Canon

# EOS System



120 million EF





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80 million EOS
120 million EF

# TRANSCEND YOUR LIMITS

For creative individuals, inspiration can strike in an instant. With the right equipment, it can help you capture stunning moments that express your creativity. Canon EOS cameras, along with EF, EF-S and EF-M lenses as well as accessories, are tools designed to complement various shooting styles, and to help you achieve the very best in still and moving image capture. For inspired performance in the hands of a beginner, a professional and everyone in between, capture what you envision with the EOS System.





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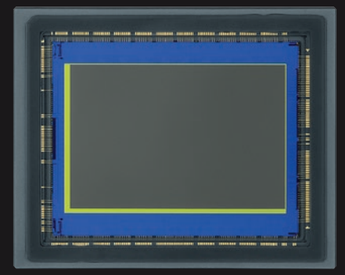
# EOS TECHNOLOGY

The history of Canon EOS cameras is brimming with examples of technological innovations that have set new industry standards for performance and usability. And yet, at Canon, technology is never an end in itself. Every technological advancement must yield tangible benefits to the user. Does a new feature enable the camera to more quickly and faithfully respond to the photographer's will? Does a new material or process improve the camera's long-term reliability? Canon EOS camera advancements are designed to enhance the photographic experience, whether you are a seasoned professional or a beginner. Put simply, the technologies of Canon EOS cameras are impressive because of the quality of the images they enable you to create.

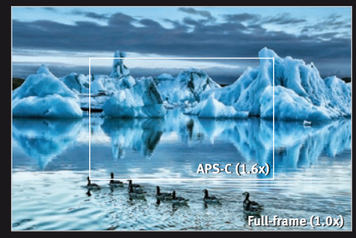



## Canon CMOS Sensor

Canon develops and produces its own CMOS sensors, refining and improving their performance with each successive generation. With resolutions of up to 50.6 Megapixels on the EOS 5DS and EOS 5DS R cameras, today's Canon CMOS sensors can capture images of up to 8712 x 5813 effective pixels for a level of detail suitable for fine art printing, significant cropping and numerous other critical applications. Movie recording is just as impressive, with select cameras featuring 4K video recording capabilities at up to 60p. On-chip noise reduction, combined with improvements in microlens technology, helps result in clean, robust images with impressive dynamic range, even at higher ISOs. To help capture an even higher level of detail, the EOS 5DS R camera has a low-pass filter* (LPF) effect cancellation. While the low-pass filter found on most CMOS sensors is useful for reducing color artifacts and moiré typical with digital capture, it also reduces detail at the pixel level. With the LPF disabled, the EOS 5DS R can take full advantage of the original resolving power of the camera's 50.6 Megapixel sensor.



*EOS-1D X Mark II Full-frame CMOS Sensor (actual size)*




*When using the same lens with different cameras, the angle-of-view varies depending on the sensor size.*

As such, images captured and processed with the EOS 5DS R maintain a pixel-level detail that stands up to the scrutiny of large-scale display.

Canon's CMOS sensors complement their high-resolution capabilities with remarkable speed. Multi-channel signal paths and 14-bit A/D converters help process larger image files quickly, maintaining the camera's overall responsiveness. Whether constructed in full-frame 35mm or APS-C dimensions, Canon CMOS sensors can feature Canon's Dual Pixel CMOS technology with built-in phase-detection AF points for incredibly fast and accurate Live View AF.

## Full-frame and APS-C CMOS Sensors

Canon's full-frame CMOS sensors help photographers and moviemakers take full advantage of the expansive capabilities of wide-angle lenses while providing greater control of depth of field, which can affect the mood and tone of both still and moving images. The physically larger individual pixels in full-frame sensors can result in lower noise levels at all ISO values, pairing incredible image quality with a high level of creative control.

EOS cameras with APS-C sensors are compatible with all EF and EF-S lenses, providing a focal length multiplier effect of 1.6x that's excellent for extending the range of telephoto lenses. Smaller dimensions mean APS-C sensors can be incorporated into compact camera bodies, including EOS M series cameras, for portable, high-resolution photography and video.

## Extensive ISO Range**

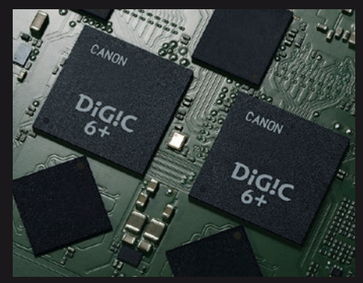
EOS cameras feature an extensive ISO range for greater flexibility in diverse photographic situations. The EOS-1D X Mark II camera features the extended ISO range of 100–51200 (L: 50, H1: 102400, H2: 204800, H3: 409600). The EOS 5D Mark IV camera has an ISO range of 100–32000 (L: 50, H1: 51200, H2: 102400), while the EOS 6D camera has an ISO range of 100–25600 (L: 50, H1: 51200, H2: 102400). Even at higher ISO settings where a higher degree of noise is expected, the Canon CMOS sensor and noise reduction system work to help ensure superb image quality. Accordingly, even demanding photographers can use EOS cameras with confidence, no matter the light.



***High ISO*** *– ISO 32000, taken with EOS 5D Mark IV camera using the EF 16–35mm f/4L IS USM*

## DiG!C 7/6+/6/5+/5/4 Image Processor

Designed to help maximize performance during capture and recording, the DiG!C Image Processor uses advanced signal processing technologies to help enhance image quality and deliver a more intuitive, responsive camera. The DiG!C 4 Image Processor enables Face Detection AF, Live View composing and Full HD video recording. The DiG!C 5 Image Processor makes advanced functions like HDR Backlight Control and Creative Filters possible. The DiG!C 5+ Image Processor extends performance to greater levels of noise reduction at higher ISOs, while Dual DiG!C 5+ Image Processors add lightning-fast speed. The DiG!C 6 Image Processor enhances and accelerates these performance boosts across the board, and Dual DiG!C 6 Image Processors provide turbocharged features like noise-reduction processing at ISO 16000. Dual DiG!C 6+ Image Processors help enable 16 fps*** operations and 4K/60p movie recording, facilitating lens distortion and diffraction correction. The next level up, The DiG!C 7 Image Processor enhances subject detection and tracking for smooth AF, and can increase image clarity and sharpness with lower noise, especially at higher ISOs.




*Dual DIGIC 6+ Image Processors (EOS-1D X Mark II)*

** The possibility of moiré and color artifacts is greater due to the LPF cancellation function.*
*** Standard output sensitivity. Recommended exposure index.*
**** Continuous shooting speed may vary depending on the shutter speed, the aperture, the lens being used, the battery charge and various camera settings.*

# EOS 4K and Full HD Advantage






**Select EOS cameras feature 4096 x 2160 4K and 1920 x 1080 Full HD video capture, offering the enhanced image quality, smooth frame rates and adaptive exposure compensation necessary in professional movie-making tools. By shooting video with an EOS camera, it's simple to take advantage of the image quality and characteristics intrinsic to large sensor cameras, resulting in richer, more detailed and more diverse images. The large sensor found in EOS cameras means more high-quality pixels plus the potential to shoot at higher ISO sensitivities with minimal loss of detail.**

## Artistic Capabilities with EOS Lenses

Canon EF, EF-S and EF-M lenses offer an incredible selection of lenses (wide-angle, macro, super-telephoto, tilt-shift and fisheye) to complement the user's creative vision. With the flexibility to create images of great beauty and controlled depth of field, interchangeable lenses bring video shooting to a whole new level. The range of focal lengths is simply staggering. For example, the Canon EF 8–15mm f/4L Fisheye USM can capture a fish's-eye view of the world, offering a unique perspective to take your pictures in. There's an EF, EF-S or EF-M lens for everyone. No matter the videographer, no matter the situation, Canon lenses help ensure quality results.

## 4K Resolution

The EOS-1D X Mark II and the EOS 5D Mark IV cameras can record 4K video (4096 x 2160) at up to 60 fps and 30 fps* respectively, capturing even fast-moving subjects in smooth, beautiful detail. This stunningly high resolution enables photographers to capture sharp video footage and edit it with virtually minimal image degradation to help achieve their ideal shot. A 4K still frame grab feature** can also save a gorgeous 8.8-Megapixel still image from your video.

## Dual Pixel CMOS AF

Canon's Dual Pixel CMOS AF delivers remarkably fast and smooth Continuous AF during Live View shooting. Compatible with virtually all Canon EF lenses, Dual Pixel CMOS AF works quickly and quietly, whether focus points are selected automatically or specified manually on the touch panel LCD of compatible cameras. For accurate AF transitions during movie recording, the Dual Pixel CMOS AF system enables Movie Servo AF across a large portion of the image plane, and can be customized to set tracking sensitivity, AF speed and even Face Tracking priority.







***Movie Servo AF** – Movie Servo AF allows continuous autofocus tracking of moving subjects while recording video.*

## Manual Control

For complete creative decision-making on the go, select EOS cameras offer flexible manual controls for their movie modes. Not only can one take advantage of the range of ISO sensitivities, it's simple to control exposure and depth of field, all of which can have a profound effect on the mood of a scene. It's all as easy as the press of a button. By controlling depth of field, it's simple to create gorgeous background blur. Exposure can be determined and set even in complex lighting situations, maintaining the same look and feel throughout an entire scene, not just the initial shot.

## Movie Servo AF

For accurate and steady focus during video shooting, Canon developed Movie Servo AF (select EOS cameras only). Movie Servo AF takes advantage of the Hybrid CMOS AF systems on select EOS Rebel and EOS M series digital cameras, and the Dual Pixel CMOS AF system on the EOS-1D X Mark II, EOS 5D Mark IV, EOS 7D Mark II, EOS 80D and EOS 70D cameras to lock focus on a subject with great speed and track it throughout the composition. Movie Servo AF automatically determines the distance of the subject as its position changes through the frame. On the EOS-1D X Mark II, EOS 5D Mark IV, EOS 7D Mark II, EOS 80D and EOS 70D, Dual Pixel CMOS AF and Movie Servo AF work in concert to provide smooth and consistent autofocus tracking, even on fast-moving subjects. When cameras featuring Movie Servo AF (the EOS-1D X Mark II, EOS 5D Mark IV, EOS 7D Mark II, EOS 80D and EOS 70D cameras have customizable settings for more control) are used with one of Canon's STM lenses, continuous AF performance is remarkably quiet and smooth.

## HDR Movie

The EOS 5D Mark IV, EOS 80D and EOS Rebel T6s cameras have an HDR movie mode that helps minimize blown-out highlights in high-contrast scenes. By alternatively shooting properly exposed and underexposed images at 60 fps, then generating 30 fps movies, these cameras can produce stunning videos with extensive color gradation, plus extensive highlight and shadow detail.

## Frame Rates

In select models, Full HD video can be captured at 1920 x 1080 resolution for up to 4GB per clip. The EOS-1D X Mark II and EOS 5D Mark IV cameras can also capture 4K video at 4096 x 2160 resolution for up to 4GB per clip. Videos are saved as MOV files (the EOS-1D X Mark II, EOS 5D Mark IV and EOS 7D Mark II cameras can record in both MOV and MP4 formats at 50/60 fps, and the EOS 80D camera can record in both formats with MP4 at 60 fps) and can be viewed in Full HD with HDMI output. Other recording sizes include HD at 1280 x 720 (50/60 fps) or SD/VGA at 640 x 480 (50/60 fps). No matter the end-application, the proper resolution and frame rate can be easily defined with EOS cameras.

## MP4 Format

Select EOS cameras can now record videos in MP4 format. MP4 format provides video that is easily shareable, and compatible across smartphones, tablets and other mobile devices. Recording in MP4 format compresses the video into smaller sized files without affecting video quality.

## Movie Digital Zoom

On the EOS 80D, EOS 70D and EOS Rebel T6s cameras, Movie Digital Zoom makes it possible to zoom from 3x to 10x while shooting video, helping add a dramatic effect to video clips.

## Movie Crop

The Movie Crop function (select EOS DSLR cameras) enables zooming at 7x the captured focal length for distant action and extreme close-ups. This feature is perfect when the chosen subject is in a crowd, like a specific athlete, or when it's impossible to get close to the action. Recorded as a VGA video, Movie Crop shots are perfect for emailing, posting online or editing into other video clips.

## Video Snapshot

With the Video Snapshot feature (select EOS DSLR cameras) short video clips (of 2, 4 or 8 seconds) can be stitched together, in-camera, into one video file as a "snapshot album," perfect for sharing online, or displaying to an HDTV directly from the camera. Select EOS DSLR cameras feature advanced Video Snapshot that makes in-camera editing even easier: still images can be captured during video recording simply by pressing the shutter button, and video clips can be reordered or deleted in an album during playback.

## Advanced Video Recording Options

Select EOS DSLR cameras offer a choice between All-I, IPB and Light IPB compression and support High Profile under the H.264/MPEG-4 AVC standard, combining high image quality with high coding efficiency and producing files that are well suited for transmission or broadcast. The FAT file system automatically splits files greater than 4GB, and creates a new file without interruption. Additional options include timecoding at all times (Free Run) or only during recording (Rec Run), which is useful for multicamera shots.

** 4K requires the following write speed requirements: CF UDMA7 (100MB/sec. or faster); SD UHS-I (90MB/sec. or higher).*
*** Saving a still image from a single movie frame does not result in the same image quality as a normal still image.*




***Advanced AF Technology*** *— The EOS-1D X Mark II camera incorporates a highly advanced 61-point Area AF that delivers outstanding focus accuracy. It provides multi-zone wide area coverage for better tracking and astonishing AF performance in low light.*

## Autofocus Technology

61 point High Density Reticular AF

The EOS System features advanced autofocus technology with multi-point AF systems that deliver an impressive combination of accuracy and speed in diverse situations. The EOS-1D X Mark II, EOS 5D Mark IV, EOS 5DS and EOS 5DS R cameras lead the way in AF technology with 61-point High Density Reticular AF II systems (EOS-1D X Mark II and EOS 5D Mark IV) and 61-point High Density Reticular AF (EOS 5DS and EOS 5DS R) systems. The EOS 7D Mark II camera has a 65-point§ all cross-type AF system for precise and efficient focus, no matter the camera's orientation. These AF systems provide a wide coverage area for excellent subject tracking across the image plane and are remarkably sensitive in low-light situations (the EOS-1D X Mark II and EOS 5D Mark IV offer EV -3 with an f/8* lens, the EOS 7D Mark II and EOS 80D offer EV -3 with an f/2.8 lens and the EOS 5DS and EOS 5DS R offer EV -2 for a central point with an f/2.8 lens). These systems can even remain stable in adverse conditions, with secondary imaging sensors that use temperature- and humidity-resistant glass molding.

## Subject Tracking and Recognition

Sophisticated AF systems not only achieve focus quickly, but also help maintain sharp focus even with fast or erratically moving subjects, or changing light sources. Incorporating decades of experience developing and producing some of the most advanced focusing systems in the world, Canon's EOS system has provided photographers and moviemakers with robust, reliable AF systems for their most important work.

***AF Sensor Performance***
*The number and pattern of AF points differ depending on the brightness of the lens used with the camera. The information depicted in the table below is of the EOS-1D X Mark II camera.*

| | | | |
|---|---|---|---|
| AF sensor | Number of AF points | | 61 |
| | AF points (max.) and AF pattern | Dual cross-type AF points at f/2.8 and f/5.6 | 5 |
| | | Cross-type AF points at f/4.0+f/5.6 | 20 |
| | | Cross-type AF points at f/5.6 | 21 |
| | | Horizontal-line sensitive AF points at f/5.6 | 20 |
| | | AF points at f/8 (Cross-type AF points) | 61 (21 ) |

Focusing patterns

**EOS iSA System and iTR AF** – For reliable and fast exposure readings, EOS cameras like the EOS-1D X Mark II and the EOS 5D Mark IV feature RGB+IR metering sensors and processors that help deliver impressive AF performance for both stills and video. Thanks to high resolution and infrared sensitivity combined with a refined detection algorithm, these sensors improve the color and shape recognition capabilities of iSA (Intelligent Subject Analysis) systems. This increases the camera's ability to recognize faces, color and subjects for faster, more precise AF, metering and exposure compensation. This additional exposure and subject information also helps the camera's iTR (Intelligent Tracking and Recognition) AF system maintain focus on a moving subject with a greater level of consistency, essential when shooting sports and wildlife.

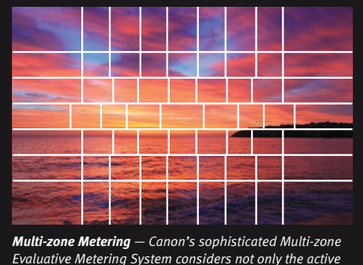
**AI Servo AF III+** – Subject tracking is further enabled with AI Servo AF III+, which is found in the EOS 1D X Mark II and the EOS 5D Mark IV cameras. Equipped with a new AF algorithm, the latest version of AI Servo AF incorporates a Scene Analysis function that improves tracking performance when the subject's movements are unpredictable. This can be invaluable when shooting sports, wildlife or performances as it helps the camera maintain focus on the original subject even when it crosses paths with a similar object. If a camera happens to lose focus of a particular athlete, animal or other moving subject, AI Servo AF helps maintain focus in the right place. Micro adjustments, configurable in the camera's AF configuration tool, help the photographer fine-tune performance for the specifics of the scene at hand.

## AF Modes and AF Selection Option

Canon EOS cameras feature a number of dedicated autofocus modes designed for reliable operation in specific shooting situations. In One-Shot AF mode the camera can automatically select the optimum focusing point quickly bringing the subject into focus, even when off-center. Where One-Shot AF is appropriate for static subjects, AI Servo AF mode is excellent for moving subjects. It precisely tracks subject movement across the wide AF coverage area, automatically shifting the active focusing point vertically and horizontally as required. AI Focus AF mode, in which the camera automatically decides between One-Shot and AI Servo AF modes based on subject movement, is ideal for shooting unpredictable subjects. Focus points can be defined in numerous configurations as well. On the EOS 5DS and EOS 5DS R cameras, there are 6 AF point selection methods to suit different shooting needs: spot, single point, single point and adjacent 4 points, single point and adjacent 8 points, zone selection and full automatic. The EOS-1D X Mark II, EOS 5D Mark IV, EOS 7D Mark II and EOS 80D cameras add a Large Zone AF mode as well.

## Superb Exposure Control

Refined over decades, EOS exposure control systems can embolden the photographer to focus on their subject, and provide them with confidence that the camera can read, react and compensate for the light at hand.

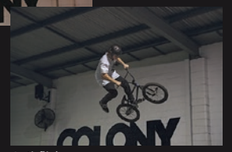


***Multi-zone Metering*** *— Canon's sophisticated Multi-zone Evaluative Metering System considers not only the active focusing point, but also a range of metered values throughout the frame to determine correct exposure even in difficult lighting.*

The EOS Intelligent Subject Analysis (iSA) system uses its own multi-zone metering system to define subjects and improve exposure based on analysis of the scene at hand. iFCL (Intelligent Focus Color Luminance) metering systems incorporate the color wavelength surrounding the chosen focus point to help ensure more natural color rendition. These exposure control systems are complemented by sophisticated metering for flash photography. E-TTL (Evaluative Through-The-Lens) and E-TTL II autoflash systems work in conjunction with the multi-zone metering sensor found in EOS cameras to help take the guesswork out of flash photography. Exposure and color balance in artificial light can even be addressed with EOS Anti-flicker technology, which uses the metering sensor to detects occurrence of lighting source flicker, compensating white balance and activating the shutter only at peak light volume for more consistent, accurate exposure through successive shots. Numerous metering modes, including spot, partial, center-weighted and evaluative are indispensable for manual operation and round out the excellent options available for dynamic and adaptable photographic performance. (See the Speedlite section for more details.)



*Anti-flicker Shooting OFF*



*Anti-flicker Shooting ON*



*Live View Multi-point AF (Zone select)*



*Touch AF*



*Face & Tracking Priority AF*

## Live View AF

LiveView MODE

Canon's versatile Live View technology expands the options and capabilities of EOS cameras exponentially, enabling on-screen composition, control of camera settings and shutter release, plus sophisticated AF systems excellent for still and video capture. Canon's Dual Pixel CMOS AF provides fast and accurate AF across the image plane by putting two phase-detection AF points on each pixel. Hybrid CMOS AF combines phase and contrast detection AF, aided by pixels on the CMOS sensor that assist in predicting subject location. Live View enables the photographer to zoom in and navigate the composition to fine-tune focus, and can be directed to detect faces with Face Priority AF. Live View excels when used remotely, offering comprehensive operation through a computer or compatible mobile device. Whether tracking a subject with Movie Servo AF on a tablet or composing still images on the camera's screen, Canon's Live View functions complement traditional metering and viewing with broad applications for creative photography and video recording.

**Dual Pixel CMOS AF** enhances Live View performance with EOS cameras and is compatible with almost all EF lenses. Featuring two photodiodes per pixel with each pixel capable of phase-difference detection autofocus, it easily delivers fast and accurate AF throughout approximately 80% of the image plane. Able to detect shifts in movement at the pixel level, Dual Pixel CMOS AF enables continuous automatic AF and AF tracking for sharp still images and smooth focus transitions in recorded video.

**Hybrid CMOS AF** uses both phase and contrast detection AF to increase autofocus speed during Live View and video shooting on select EOS cameras. It detects distance location then refines it with Contrast AF to achieve sharp focus. Pixels on the camera's CMOS sensor assist in predicting subject location, making continuous focus tracking quick and accurate while enhancing focusing speed. Performance capabilities are also extended with a number of selectable zones. Hybrid CMOS AF III, the latest version found on the EOS Rebel T6s, EOS Rebel T6i and EOS M3 cameras, provides even faster precision AF, covering approximately 80% of the image plane.

**FlexiZone Multi mode** divides the scene into 31 AF zones and uses special algorithms that give priority to the center and closer subject for focusing. Taking advantage of the touch screen LCD monitor featured on select EOS cameras, users can simply touch one of nine zones (center left, center right, center, center top, center bottom, and the four corners) and select it for automatic focusing. For selecting a single AF point, cameras with a touch screen also feature Touch AF.

**Face & Tracking Priority AF** detects faces and enables the camera to focus and track the selected face by switching the AF points. After detection, face tracking will continue even if the face turns to the side view. Other parts of the body besides the face can also be selected on the monitor and tracked in the same way.

## Live View Focusing

Canon's Live View Function includes three focusing modes: Quick mode†, Live mode, and Face Detection Live mode. In Quick mode One-Shot AF is set automatically and the AF point is selectable even while the Live View image is displayed. In Live mode, AF can be started by pressing the AE button for either AF mode. In Face Detection Live mode, the largest face near center is detected initially, but the multi-controller can be used to select any face detected.

§ *The number of available AF points, and whether single line or cross-type, varies depending on the lens.*
* *Except when using the Canon EF 50mm f/2.5 Macro, EF 100mm f/2.8 Macro, EF 100mm f/2.8 Macro USM, EF 100mm f/2.8L Macro IS USM and EF 28–80mm f/2.8–4L USM lenses.*

† *Not available on the EOS-1D X Mark II, 5DS, 5DS R, 5D Mark IV, 7D Mark II, 80D, M5, M3 and M10 cameras.*



Up to 16.0 Frames Per Sec LiveView Mode

***Up to 16.0 fps**** — *Proprietary Canon technologies in the EOS-1D X Mark II camera deliver outstanding performance: an astounding continuous shooting speed of up to 16.0 fps* (RAW+JPEG) in Live View shooting and up to 14.0 fps* in Viewfinder shooting at full resolution.*

## High-Speed Shooting

EOS cameras are designed to excel at high speeds, with the flagship EOS-1D X Mark II shooting up to 14 fps* (up to 16 fps* in Live View mode). The EOS-1D X Mark II and EOS 7D Mark II combine enhanced AF systems, fast data readout, image processor speed (Dual DIGIC 6+ Image Processors and Dual DIGIC 6 Image Processors, respectively), speedier shutters and mirror systems that help to raise the bar for digital camera performance. An enhanced mirror mechanism enables improved AF precision, speed and stability. The main mirror is equipped with two balancers and one bounce-lock mechanism, and the sub-mirror has two balancers and two bounce-lock mechanisms, effectively controlling mirror bounce. This contributes not only to high-speed continuous shooting capabilities, but also to a stable viewfinder image for greater AF and AE accuracy.

## Maximum Durability and Performance

EOS cameras are designed to perform admirably and consistently no matter the situation. Many EOS camera bodies are constructed of rigid, high-strength magnesium alloy for rugged performance. The EOS-1D X Mark II and EOS 5D Mark IV cameras feature weather-sealing at surfaces and connection points for reliable performance in wet and dusty situations. The EOS-1D X Mark II even has a lightweight shutter with carbon-fiber blades that can maintain up to 16.0 fps* performance for up to 400,000 cycles and has a minimum shutter release lag of 36ms.

**EOS Integrated Cleaning System** – Canon has designed an Integrated Cleaning System with a Self Cleaning sensor unit customized to the specifications and performance characteristics of each EOS camera that helps combat stray dust that can enter the camera when changing a lens or when out in the field. The front surface of the sensor's IR-cut/low-pass filter cleans itself automatically with ultrasonic vibrations every time the camera is turned on or off. Removed dust adheres to material around the filter to help it stay off. With DPP, dust missed by the cleaning unit can be captured by Canon's Dust Delete Data Detection and can be erased from the image file.

**Ultrasonic Wave Motion Cleaning** – Select EOS cameras feature Canon's integrated dust removal cleaning, which uses a carrier wave type self-cleaning sensor unit. Previous dust removal systems removed dust adhered to the surface of the infrared-absorbing, ultraviolet-blocking glass in a frontward direction by vibrating the glass with ultrasound. The wave-type system effectively rolls rather than shakes the dust particles off, removing an even greater amount of dust, especially smaller particles. The IR/UV absorbing glass in front of the camera's sensor is treated with an anti-dust fluorine coating, making it easier to remove damp or sticky dust particles.



*Weather-resistant Magnesium Alloy Body (EOS-1D X Mark II)*



***Built to Perform** – Canon EOS cameras are built to go wherever your photography takes you. Select cameras are sealed for dust- and weather-resistance (EOS 7D Mark II camera shown).*

## Intelligent Viewfinder

Intelligent Viewfinder

An Intelligent Viewfinder uses a transparent LCD monitor to superimpose a customizable combination of focus points, gridlines and other shooting information within the viewfinder. Whereas the representation of AF points and metering areas are static with standard viewfinders, the Intelligent Viewfinder allows the information to be displayed, adjusted or hidden with ease. This means less distraction and more clarity to view the image in its entirety. The Intelligent Viewfinder II on the EOS 5D Mark IV and EOS 7D Mark II cameras even allows users to change settings right from the viewfinder while shooting. With Grid Display and in Spot Metering mode, the specific area metered is shown.

## Viewfinder

100% Viewfinder

A clear, bright viewfinder is the photographer's first tool for great images, and Canon viewfinders offer approximately 100% viewfinder coverage in select EOS DSLR cameras. Several EOS DSLR cameras also have a larger pentaprism for higher viewfinder magnification. All EOS DSLR cameras offer dioptric correction while numerous EOS DSLR cameras have a number of different viewfinder accessories for almost any application.

## Electronic Viewfinder

Providing a convenient way to capture even in bright light, the EOS M5 camera is equipped with a built-in high-resolution electronic viewfinder. It features approximately 2,360,000 dots for a high level of detail, and Organic Light Emitting Diode (OLED) technology for high-contrast, high-color images that help properly display the scene.

* *Continuous shooting speed may vary depending on the shutter speed, the aperture, the lens being used, the battery charge and various camera settings.*



## Superb Ergonomics

EOS cameras not only produce phenomenal images, they are designed to be comfortable to use and carry all day long. From bright viewfinders, to tactile buttons and knobs, Canon is constantly refining ergonomics based on the feedback of real users. Canon's Custom functions further enable photographers to tailor features and operations to their shooting style. The EOS-1D X Mark II camera provides a wide variety of button customization for AF, exposure, image quality control, movie shooting control and playback control. What's more, it has a small grip diameter that makes it easy to hold, as well as buttons that have a distinctive feel for easy identification even when they can't be seen.







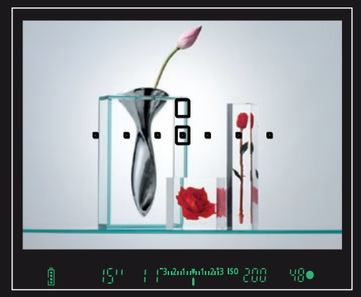
## Dual Axis Electronic Level Sensor

Dual-Axis Electric Level

Developed by Canon and featured in select EOS cameras, the brilliant Dual Axis Electronic Level display aids in achieving perfectly oriented shots. Capable of displaying both roll and pitch in 1° increments, the Dual Axis Electronic Level is visible in the viewfinder on select EOS DSLR cameras and on the camera's LCD monitor, in both Live View mode or as a standalone. This feature can be invaluable for architectural photography, macro photography, video or any situation where critical composition is important.




*View of rear LCD monitor with Live View*



*Viewfinder display with Intelligent Viewfinder*

## Versatile LCD Monitors

Vari angle LCD

Tilt-up 85° Tilt-down 180° LCD

Canon's Clear View LCD monitors provide a brilliantly sharp display even in difficult shooting situations, with the latest Clear View LCD II technology featuring smudge-resistant coating to help keep the LCD bright and clear. Vari-angle LCD monitors are designed to flip out from the back of the camera and can rotate 180° for positioning at a low angle, high angle or even forward and directly at the subject for self-portraits. Tilt-type LCD monitors, such as the one found on the EOS M5 camera, can also tilt up and down to help compose pictures at high and low angles with ease. As an added plus, select EOS cameras' LCD monitors have touch screen capabilities for more intuitive control.

## Live View Function

LiveView MODE

The Live View function offers the photographer the ability to compose and shoot directly from the camera's LCD monitor, which can be an indispensable feature for creative photography in any number of situations. It enables the photographer to zoom in and navigate the composition 5x or 10x its normal size (6x or 16x for EOS 5DS and 5DS R), while enabling critical focus and allowing more attention to detail. Users can even choose a grid overlay, perfect for architectural photography. In the studio, Live View Function can be used remotely through the camera's USB connection, or wirelessly if the optional Wireless File Transmitter is used.

## Enhanced GUI (Feature Guide, Easier Menu System)

Canon is constantly refining and developing new features for a smoother user experience. Accordingly, the Graphical User Interface has been revamped based on the response and feedback of professional users. The GUI is faster, more precise and more intuitive than ever. The menu structure has been redesigned so that frequently used functions previously buried in the menu hierarchy are brought to the front. Operations previously assigned to buttons, controls, menus and custom functions have been consolidated for quick access in the menu, helping to ensure the photographer can concentrate on shooting images with the knowledge that the camera's settings are just right. Select EOS cameras offer operational help through the press of the Info button, identifying features quickly, instructing on their use and helping to minimize confusion, even for photographers operating the camera for the first time.





***Live View Function** – With Live View Function, images can be composed and captured from the camera's LCD monitor, including the ability to zoom in up to 10x. (Up to 16x for EOS 5DS and 5DS R)*



*Taken with the EOS 7D Mark II camera using the EF 70–200mm f/2.8L IS II USM*

## Shooting Modes

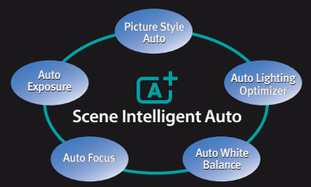


Beyond normal shooting modes such as Auto, Aperture priority and Shutter priority, select EOS cameras offer shooting features such as Picture Style technology, which helps optimize camera settings for subjects like landscapes and portraits, even monochromes. For even more creative imaging freedom, Canon developed Basic+. Basic+ makes it easy to create whatever image effects are desired using two option categories: In "Shoot by ambiance selection," standard white balance and exposure compensation are altered according to the chosen ambience, such as vivid, soft, warm, intense, cool, brighter, darker and monochrome. In "Shoot by lighting or scene type," white balance is adjusted according to selections like daylight, cloudy, shade, tungsten, fluorescent and sunset. These features, complemented by the Canon Auto Lighting Optimizer, Lens Peripheral Illumination Correction, Highlight Tone Priority and Noise Reduction, help ensure accurate, nuanced results.

## Scene Intelligent Auto




Scene Intelligent Auto, found on select EOS cameras, merges a number of very complex measurements into settings that help create photographs of gorgeous tonality, accurate color, sharp focus and phenomenal detail.



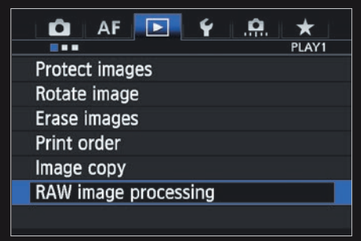

## Dual Pixel RAW

Available on the EOS 5D Mark IV camera, photographs shot as Dual Pixel Raw (DPRAW) files offer expanded post-production adjustment possibilities with Canon's Digital Photo Professional software. DPRAW files can be adjusted with functions that include Image Micro-adjustment to help reduce blur and maximize detail sharpness, Bokeh Shift for more pleasing soft focus areas and Ghosting Reduction to help minimize aberrations and flare.

## Advanced RAW+JPEG Recording (in-camera processing)

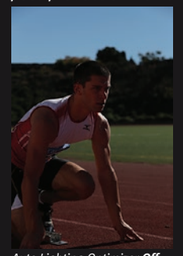



Best described as "digital negatives," RAW images contain pre-processed image data as captured by the sensor and, with post-processing, they yield the highest image quality possible from an EOS camera. While professionals and advanced amateurs often prefer to shoot in RAW mode, JPEG images take up significantly less storage space and are often more immediately pleasing to the eye. With Canon's EOS cameras, images can be captured in a number of RAW and JPEG modes, depending on the camera's sensor, as well as record numerous combinations of RAW, sRAW and JPEG images simultaneously. Select EOS cameras feature in-camera post processing with image correction options like white balance, brightness, picture style and more, plus image resizing with JPEG images. Additional features include Expanded Quick Control functions during playback like image protect, image rotate, rating, RAW image processing, resize, highlight alert, AF point and image jump, meaning a streamlined workflow can begin in the field.

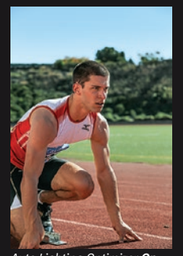



## Auto Lighting Optimizer

The Auto Lighting Optimizer automatically corrects image exposure to help ensure accurate brightness and contrast. It can actually brighten areas of the composition while maintaining highlight details and accurate exposure in others, or darken areas of the composition while maintaining brightness and shadow details in others. This remarkable feature is available as both an automatic feature in Full Auto and Creative Auto shooting modes, and can be used and fine-tuned in other modes. The Canon Auto Lighting Optimizer helps produce beautifully exposed images that require little to no post-production work.



*Auto Lighting Optimizer **Off***

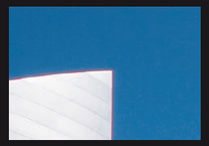


*Auto Lighting Optimizer **On***

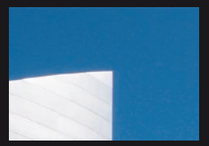
## Lens Chromatic Aberration Correction



With the advanced processing power of DiG!C Image Processors on select EOS cameras, chromatic aberration in Canon lenses can be corrected at the time of shooting. Select models can read the correction data from a lens and that lens can be registered to the camera. These cameras can also distinguish between different lenses of the same model by supporting registration of serial numbers (with compatible EF lenses).



*Lens Chromatic Aberration Correction **OFF***



*Lens Chromatic Aberration Correction **ON***

## Lens Peripheral Illumination Correction

Another feature available in select EOS cameras is Canon's Lens Peripheral Illumination Correction feature. Taking into account the lens in use, this feature automatically brightens the light level at the four corners of the composition where light falloff may have occurred. Peripheral illumination characteristics and correction data are detected automatically on a number of Canon lenses and can be entered manually through Canon's EOS Utility software. This function can be applied when shooting to JPEG images, and in post-processing with RAW images.



*Lens Peripheral Illumination Correction **OFF***



*Lens Peripheral Illumination Correction **ON***

## Highlight Tone Priority

Loss of highlight detail is one of the greatest concerns for photographers shooting digitally in brightly lit and high-contrast situations. Canon's Highlight Tone Priority function calculates the exposure to expand the image's dynamic range so that more detail is preserved in highlights.



*Highlight Tone Priority **OFF***



*Highlight Tone Priority **ON***

This renders a more continuous tone image without blown highlights, and helps to save time in post-processing for highlight retrieval.

## High Dynamic Range

HDR
High Dynamic Range

Perfect for capturing scenes with extreme highlights or shadows, High Dynamic Range (HDR) shooting is a feature found in select EOS cameras. HDR merges three images of varying exposure, in-camera, capturing a broad range of shadow and highlight detail and delivering an image with stunning tonal range. Adjustable to cover a range of ±3 stops, and with five different effect settings on select EOS cameras, HDR recording expands the parameters of the light and dark detail a camera can actually record, displaying a range of depth and detail that's not easy to capture.

## Picture Style Technology




With the myriad features and settings available, even the best photographer might occasionally have doubts as to whether all of the camera settings are optimal for the shot. Canon's ingenious Picture Style feature comes to the rescue, providing a number of user-friendly presets, including standard, neutral and landscape, giving the ability to fine-tune the images the camera produces. They enable the photographer to make optimal choices based simply on the type of shooting. These presets can be used in much the same way one would use different types of film, and more can be created using Canon's included Picture Style Editor Software. Individual camera settings – such as sharpening, contrast, color tone and saturation – can be overridden if need be. Select EOS models even feature Picture Style Auto, which automatically determines an ideal style for a particular scene. The EOS-1D X Mark II, EOS 5DS, EOS 5DS R, EOS 5D Mark IV, EOS 80D and EOS M5 cameras also include a new Fine Detail style to emphasize patterns, textures and fine edges.

## Multiple Exposure Control




Select EOS DSLR cameras offer multiple exposure shooting modes for film-like image creation with the convenience of in-camera processing. They offer up to four compositing methods for proper exposure and composition: additive, average, bright and dark (the EOS 6D, EOS 80D and EOS 70D cameras feature additive and average only). Multiple exposure shots from 2 to 9 are stored as one final image and can be taken in both RAW and JPEG shooting modes.

## Multi-Aspect Ratios




For the ultimate in custom shooting, select EOS models are able to shoot in a number of aspect ratios, like 4:3, 3:2, 16:9 and even 1:1 for square compositions!

## Creative Filters

Select EOS cameras feature fun Creative Filters, such as Grainy B&W, Fisheye Effect, Toy Camera Effect, Miniature Effect, Art Bold Effect and Water Painting Effect. On the EOS 80D, EOS Rebel SL1, EOS M5, EOS M3 and EOS M10 cameras, Miniature Effect can also be applied to videos. Each effect can be applied in three different levels (low, standard and strong), and easily previewed on the LCD panel in Live View on select EOS cameras.

## Combination IS

Select cameras have the option of using Combination IS, which uses the camera's Digital IS system in conjunction with a combination IS-compatible lens's Optical IS. This makes for an even less chance of blur due to shaking, which helps ensure that videos recorded are as sharp as possible.

## EOS In-camera Features Can Give Your Photos a Creative Edge:

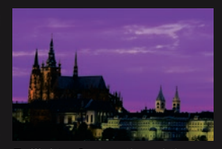
### *Picture Style Settings Help Fine-tune Images to Match Your Scene*



***Landscape*** *– Great for shooting nature scenes and blue skies, this setting enhances the blues and greens typical in landscapes and enhances saturation, contrast and sharpening.*



***Monochrome*** *– This setting emulates the color filters of silver halide film for bold black and white images and allows for red, green and other types of filter work.*



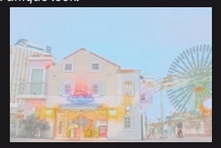
***Twilight*** *– Capture the subtle vibrancy of colors illuminated by the soft glow of the receding sun using the twilight setting. (Extended Function, online support only.)*

### *Creative Filters*

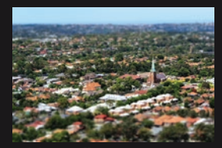
*Fun, in-camera filters give images a unique look:*



***Art Bold Effect***



***Water Painting Effect***



***Miniature Effect***

### *Multiple Exposure Mode*

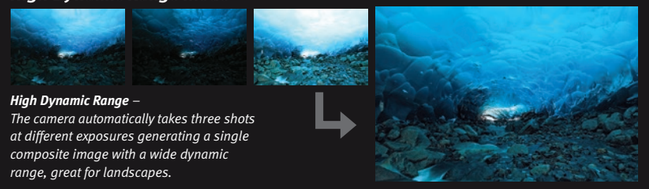


***Bright*** *– A number of images are merged into a single image in-camera for incredible creative compositions.*



***Continuous Shooting Priority*** *– Capture fast-action photography on a single image.*

### *High Dynamic Range Mode*



***High Dynamic Range*** *– The camera automatically takes three shots at different exposures generating a single composite image with a wide dynamic range, great for landscapes.*

## Wireless Transmitter Technology




*Wireless File Transmitter WFT-E8A*

The WFT-E8A features ac/n/a/g/b compatibility, WFT Server Remote Live View and a camera linking function, while the WFT-E6A, WFT-E7A and WFT-E7A Ver. 2 feature a/b/g/n compatibility, WPS compatibility, WFT Server Remote Live View, a camera linking function and Bluetooth® connectivity. The WFT-E6A and WFT-E7A conform to IEEE 802.11a/b/g/n standards, performing up to 2.5x faster (for the WFT-E6A) and up to 3x faster (for the WFT-E7A) than other models. The WFT-E8A conforms to IEEE 802.11ac/n/a/g/b standards, performing up to 9x faster than other models. They all feature an image resend feature that helps ensure that all images get transferred, even if wireless signal drops interrupt transmission.

**Media Server Function** – Models such as the WFT-E8A, WFT-E7A, WFT-E6A and WFT-E5A also include a media server function. With all models, in WFT Server mode, up to three separate computers can access the camera's memory card using a standard web browser from virtually anywhere in the world. Images can be selected from the browser window and dragged onto a computer's desktop or to a folder, which copies the full file to a computer. Remote firing of the camera over the Internet is also possible using the Remote Live View function. Select EOS DSLR cameras also allow a dedicated media server to be created with DLNA (Digital Living Network Alliance) compliant devices, allowing numerous points of access to images instantaneously.

**Computer Connectivity** – EOS Utility Mode, or PTP (Point-to-Point) connectivity, allows the photographer to connect a single camera to a computer for advanced two-way communication and professional tethered camera operation. WFT units can also connect to select GPS[1] units, adding location and time code shooting data. Plus, WFT models can be used as remote control receivers, allowing for wireless shooting and control, from a range of wireless-enabled handheld devices, including compatible smartphones.

**USB Host Capability with GPS Support** – Photographers can take full advantage of the WFT unit's USB host capability[2] by connecting a compatible GPS device via USB cable or optional Bluetooth® dongle. This makes it possible to add GPS coordinates, altitude and UTC time code to embedded shooting data within image files. Compatible GPS units include several in Garmin's GPSMAP series and in the Magellan eXplorist series (using NMEA 0183 v.2.0.1 output data standard or "Garmin protocol"). USB Host capability also allows connectivity to some external hard drives for added storage options.

**Weather-Resistant Design** –The WFT units designed for EOS-1D class professional DSLR cameras feature rugged and lightweight magnesium alloy bodies, just like the cameras to which they attach. Moreover, they feature the same weather-resistant construction, helping to ensure that the highly robust design of the camera is not compromised.

**Extensive Wired and Wireless LAN Functions** – Select WFT units not only support wireless LAN environments but also enable wired [3] network connections, providing high-speed 100Base-TX communication. Built-in WPS (Wi-Fi Protected Setup) makes it easy to make secure LAN connections.

**Linked Multi-Camera Shooting** – Using multiple WFT units on compatible EOS digital cameras, up to ten slave/remote cameras can be linked wirelessly to a master camera. Connections are made simply and conveniently via wireless LAN. Remote camera shutters are automatically tripped when the master camera shutter is released. With such a setup, a photographer can, for example, shoot simultaneously from various angles.




## Built-in Wi-Fi®[4], Bluetooth®[5] Smart and NFC[6]

Select EOS cameras incorporate sophisticated capabilities into their compact and lightweight design with built-in Wi-Fi®[4], Bluetooth®[5] Smart and NFC[6] (Near Field Communication) technology. With built-in wireless technology, the camera can connect directly to a compatible smartphone for remote operation. Exposure settings, focus and shutter can be operated wirelessly so that images can be reviewed, rated, deleted, filed and transferred. Built-in Wi-Fi®[4] also allows easy sharing between compatible products, quick uploading to CANON iMAGE GATEWAY[#] for easy sharing, as well as remote printing and more. Bluetooth®[5] Smart pairing provides a smooth connection for quick photo sharing and remote control possibilities. For that next level of connectivity, a direct Wi-Fi® connection can be established, which allows use of a compatible phone as a viewfinder, and also to check and download previously captured photos and videos. Built-in NFC[6] technology enables virtually seamless connection to your smart device for quick, easy sharing of your images.




## Wi-Fi Adapter W-E1[7]




The Wi-Fi Adapter W-E1 accessory[7] enables the EOS 5DS, EOS 5DS R and EOS 7D Mark II cameras[8] to wirelessly communicate with compatible smartphones, tablets and computers for remote operation and image transfer. Easily installed in the camera's SD card slot[9], it delivers Wi-Fi®[4] operation quickly and conveniently for enhanced photographic potential.

## Canon Camera Connect App[4]

Canon's Camera Connect app[4] connects compatible mobile devices to any Wi-Fi®-equipped Canon camera. With an intuitive interface developed for both iOS® and Android™ operating systems, it makes it easy to view photos and videos, transfer them to mobile devices and use the device to control the camera.

## Built-in GPS[1] Transmitter

With built-in GPS[1], the EOS-1D X Mark II, EOS 5D Mark IV, EOS 6D and EOS 7D Mark II cameras can record longitude, latitude and altitude data as EXIF data, have a logging function that can track movement at set intervals and can even set the camera's internal clock to local time!

## Expandable Accessories

The GPS Receivers GP-E1[10] and GP-E2[10] attach to select EOS DSLR cameras. The receivers offer the same dust- and water-resistance as the camera body itself; the GP-E2 even features its own power supply. GPS Receiver GP-E2 can also connect to the select EOS cameras via hot shoe or digital terminal. Canon GPS receivers are always ready to append location data to images. They record latitude, longitude/elevation and UTC time, and feature GPS Time Sync Function and even an electronic compass that records the camera's orientation when shooting[1].

*1 In certain countries and regions, the use of GPS may be restricted. Therefore, be sure to use GPS in accordance with the laws and regulations of your country or region. Be particularly careful when traveling outside your home country. As a signal is received from GPS satellites, take sufficient measures when using in locations where the use of electronics is regulated.*

*2 The WFT-E6A and WFT-E7A provide an internal Bluetooth® function but do not have USB host capability. A dedicated GP-E1 accessory is available for the EOS-1D X. USB Host functionality is available only on the WFT-E2 II A, WFT-E5A, and WFT-E4A.*

*3 The WFT-E6A has no provision for wired LAN connectivity because the EOS-1D X is equipped with a Gigabit Ethernet port.*

*4 Compatible with iOS® versions 8.0/8.1/8.2/8.3/8.4/9.0/9.1/9.2/9.3, Android™ smartphone and tablet versions 4.1/4.2/4.3/4.4/5.0/5.1/6.0. Data charges may apply with the download of the free Canon Camera Connect app. This app helps enable you to upload images to social media services. Please note that image files may contain personally identifiable information that may implicate privacy laws. Canon disclaims and has no responsibility for your use of such images. Canon does not obtain, collect or use such images or any information included in such images through this app.*

*5 Compatible with select smartphone and tablet devices (Android™ version 5.0 or later and the following iOS® devices: iPhone 4s or later, iPad 3rd gen. or later, iPod Touch 5th gen. or later) equipped with Bluetooth version 4.0 or later and the Camera Connect App Ver. 1.3.20 or above. This application is not guaranteed to operate on all listed devices, even if minimum requirements are met.*

*6 Compatible with Android™ smartphone and tablet versions 4.0/4.1/4.2/4.3/4.4/5.0/5.1/6.0.*

*# One-time registration is required on CANON iMAGE GATEWAY online photo album.*

*7 The Wi-Fi Adapter W-E1 must be inserted into the available SD card slot. The W-E1 does not have storage and is not designed to record images. To record and store images, a CompactFlash card must be used in the dedicated CF card slot.*

*8 EOS 7D Mark II, EOS 5DS and EOS 5DS R cameras that have already been purchased separately require a firmware update to utilize the Wi-Fi Adapter W-E1.*

*9 The Wi-Fi Adapter W-E1 does not have storage capabilities like standard SD cards.*

*10 The GP-E1 does not require any additional USB or Bluetooth® connections to communicate with the EOS-1D X. The EOS 5D Mark III requires a firmware upgrade to be compatible with the GPS Receiver GP-E2, which is now available.*



© Clay Blackmore, Canon Explorer of Light

# EOS 5D Mark IV

## See Legendary

The EOS 5D Mark IV camera builds on the powerful legacy of the 5D series, offering amazing refinements in image quality, performance and versatility. Canon's commitment to imaging excellence is the soul of the EOS 5D Mark IV. Wedding and portrait photographers, nature and landscape shooters, as well as creative videographers will appreciate the brilliance and power that the EOS 5D Mark IV delivers. Superb image quality is achieved with Canon's all-new 30.4 Megapixel full-frame sensor, and highly-detailed 4K video is captured with ease. Enhancements range from improved focus accuracy, to fast operation and continuous shooting to even new wireless capabilities that allow the camera to become an extension of you. When quality matters, the EOS 5D Mark IV helps deliver results to inspire even the most discerning imagemaker.



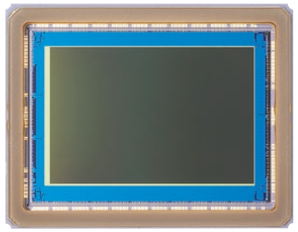

30.4 MEGA PIXELS CMOS · DiG!C 6+ · FULL FRAME CMOS · Up to 7.0 Frames Per Sec · 61 High Density Reticular AF II · ISO 32000 FHD 25600 4K 12800 · 150,000 PIXEL RGB+IR Metering sensor · Dual Pixel CMOS AF · 4K · 4K Frame Grab · FULL HD 1080 · Dual Pixel RAW · 3:2 WIDE 8.1cm / 3.2" LCD ClearView II · Approx. 100% Viewfinder · Intelligent Viewfinder II · Wi-Fi / NFC



### 30.4 Megapixel Full-frame CMOS Sensor

30.4 MEGA PIXELS CMOS · FULL FRAME CMOS

The EOS 5D Mark IV camera has a full-frame, high-speed CMOS sensor that delivers beautiful images of weddings, wildlife, sports and more. Measuring approximately the same size and ratio as a 35mm film frame, it records approximately 30.1 Megapixels and captures tremendous still and 4K video clips suitable for significant post-processing, retouching and cropping.



*30.4 Megapixel Full-frame CMOS sensor*

### ISO Range of 100–32000 (expandable to 50–102400)

ISO 32000

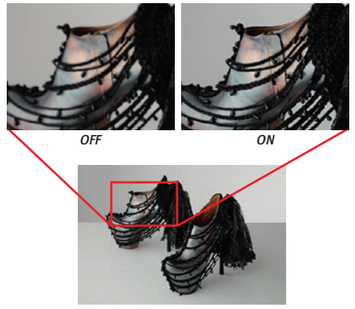
Featuring an ISO range of 100–32000 (expandable to 50–102400), the EOS 5D Mark IV camera thrives at low-light photography. Whether shooting at night, in inclement weather or even in dimly lit auditoriums, the EOS 5D Mark IV camera's sensor has an improved S/N ratio plus an improved noise-processing algorithm to help deliver high-level light sensitivity, without compromising image quality.

### In-camera Digital Lens Optimizer

In-Camera Digital Lens Optimizer

The EOS 5D Mark IV camera is equipped with a number of in-camera optical correction functions for more clarity, less distortion and less light fallout in the corners of the frame. It comes preloaded with aberration data particular to specific lenses, and is able to correct for peripheral brightness, chromatic aberration and distortion correction.

*Diffraction Correction*




*Diffraction correction helps to eliminate the blurring effects from diffraction.*

### Dual Pixel RAW

Dual Pixel RAW

The EOS 5D Mark IV camera's Dual Pixel CMOS AF system enables capture of Dual Pixel RAW (DPRAW) files*. Images shot as DPRAWs offer advanced photographers significantly more parameters for post-production adjustment with Canon's Digital Photo Professional software. DPRAW files processed in Digital Photo Professional can be adjusted with functions that include Image Micro-adjustment to help reduce blur and maximize sharpness in detail areas, Bokeh Shift for more pleasing soft focus areas and Ghosting Reduction to help minimize aberrations and flare.

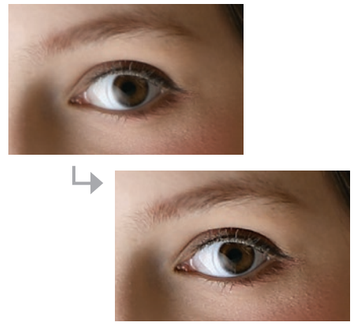


*Image Micro-adjustment maximizes sharpness in detail areas.*



*Bokeh shift creates more pleasing soft focus areas.*

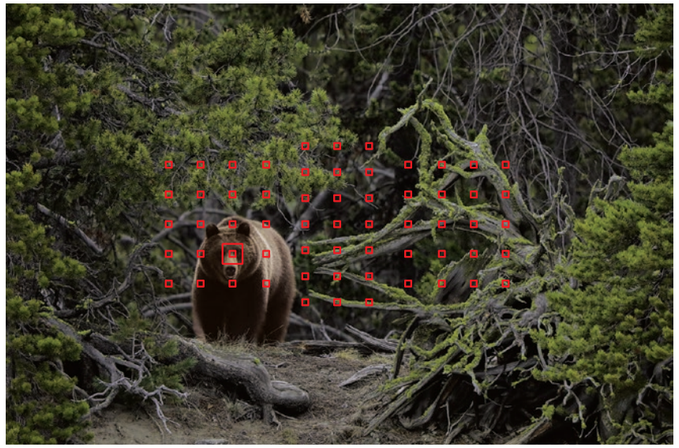
### DiG!C 6+ Image Processors

DiG!C 6+

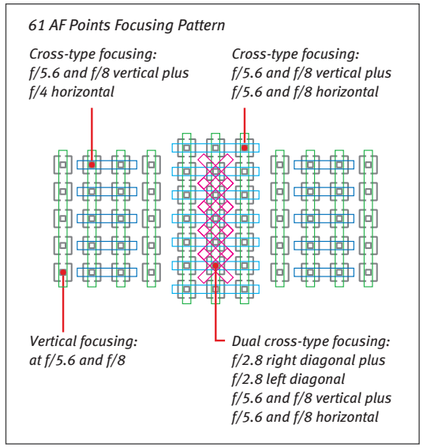
The powerful DiG!C 6+ Image Processor increases the EOS 5D Mark IV camera's in-camera capabilities, enabling fast operation across the board and helping to achieve high-quality still image and 4K video recording. Equipped with a noise-processing algorithm and a Digital Lens Optimizer, it helps produce sharp images in various shooting environments.




* When lens diaphragm setting is fully open, adjustment volume and compensation effect are emphasized. Sufficient adjustment volume and compensation effect may not be achieved, depending on lens in use and shooting conditions. Adjustment volume and compensation effect vary depending on camera position (landscape or portrait).



Subject area detection




## 61-point High Density Reticular AF II System

Max. 61 point — High Density Reticular AF II

The EOS 5D Mark IV has a new AF sensor, with 61 AF points and up to 41 cross-type AF points available to deliver excellent accuracy and performance. It covers a broader vertical area of the image than its predecessor, and improves upon low-light sensitivity as well as AF with tele extenders at f/8 maximum effective apertures.

## iTR AF with 150,000-pixel RGB+IR Metering Sensor

150,000 PIXEL — RGB+IR Metering sensor

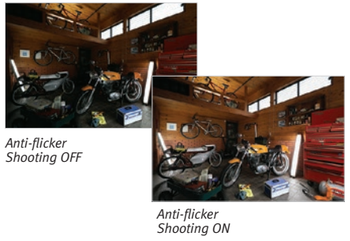
To determine and maintain proper exposure, the EOS 5D Mark IV camera's iSA (Intelligent Scene Analysis) system has a dedicated RGB+IR light sensor with approximately 150,000-pixel resolution for quick and comprehensive image analysis. Canon's Intelligent Tracking and Recognition system (iTR AF) also helps detect and track subjects, automatically switching the AF point to maintain subject tracking.



*Detects subjects and keeps tracking a subject by shifting among active AF points.*

## Anti-flicker Function

The 150,0000-pixel RGB+IR metering sensor enables the EOS 5D Mark IV camera's anti-flicker function. Especially helpful when shooting under fluorescent lights, the function detects the frequency and phase of a light source's flicker and captures images near the point of peak brightness when the subject is most likely to be properly illuminated.



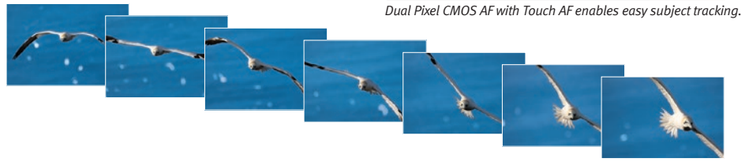
*Anti-flicker Shooting OFF*

*Anti-flicker Shooting ON*

## Up to 7.0 fps* Continuous Shooting

Up to 7.0 Frames Per Sec

The EOS 5D Mark IV camera is equipped with a remarkable shutter, advanced AF and exposure and image processing systems to help ensure virtually instantaneous response and performance at up to 7.0 fps*, even at full resolution. Whether immortalizing a bird in flight or a father's first dance with the bride, it's designed to capture the action.



## Dual Pixel CMOS AF

Dual Pixel CMOS AF

Featuring Dual Pixel CMOS AF and Touch AF, the EOS 5D Mark IV camera delivers quick, smooth AF for excellent subject tracking while shooting video. Used in conjunction with the touch screen, it's easy to select the location and size of the AF frame, which can be especially useful when the subject is off center or for dramatic focus shifts.



*AF is applicable to approx. 80% of the entire image.*



*Dual Pixel CMOS AF with Touch AF enables easy subject tracking.*

** Continuous shooting speed may vary depending on the shutter speed, the aperture, the lens being used, the battery charge and various camera settings.*






*DCI 4K*

## DCI 4K Video (30p or 24p)**

4K

The EOS 5D Mark IV is a remarkably capable video camera that can capture Digital Cinema (DCI) standard 4K (Motion JPEG) videos of 4096 x 2160 pixels at up to 30 or 24 fps**. Adding to its versatility, it also supports the 4K broadcasting standard of 3840 x 2160 pixels with slight trimming on the left and right sides.

## Full HD (60p, MP4)

FULL HD 1080

Along with capturing beautiful 4K videos, the EOS 5D Mark IV is equally able to shoot Full HD video at up to 60p plus HD at frame rates as high as 120p, ideal for smooth slow-motion video. It also supports both MOV and MP4 formats for a variety of applications right out of the camera.

## 4K Frame Grab***

4K Frame Grab

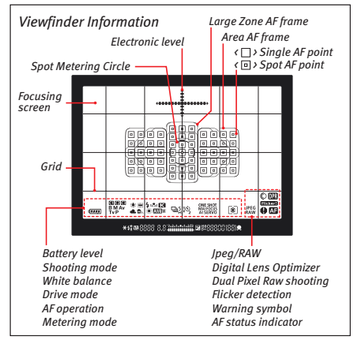
To confirm focus, review compositions and even to save still photos for printing or sharing, the EOS 5D Mark IV camera can save individual frames from 4K video as new 8.8 million pixel still image files, which is easily done using on-screen commands during video playback.




## Intelligent Viewfinder II

Intelligent Viewfinder II — Approx. 100% Viewfinder

For ease and comfort in all day shooting, the EOS 5D Mark IV camera's Intelligent Viewfinder II offers a bright, customizable view that includes AF points, an electronic level and numerous relevant camera settings.




## Touch Panel LCD

The EOS 5D Mark IV camera features a 1.62 million dot, low-reflection 3.2-inch Clear View LCD II monitor for bright, sharp display in a wide variety of shooting situations. The LCD's touch panel surface facilitates fast, intuitive operation, and is built for convenience with a shutter release function, a customizable Quick Control screen and more.



## Improved Controls

For reliable, durable operation, the EOS 5D Mark IV camera has been refined to include a more accessible remote controller port location, a cable protector for the USB 3.0 Micro B port as well as a new AF Area Selection button for a more intuitive feel.



*Remote controller port*



*AF Area Selection button*



*USB 3.0 Micro B Cable protector*

## Dust- and Drip-resistant

The EOS 5D Mark IV camera is designed to perform where the action is, in a variety of conditions. Not only is it lightweight for easy portability, but it also features a robust structural design. Its dust- and water-resistance is enhanced with numerous seals around the camera's buttons, ports and lens mount.^



*Sealing materials*
*High-precision parts*

## Built-in Wi-Fi®^^ and NFC^^^ Technology

Wi-Fi / NFC

Thanks to its built-in Wi-Fi® connectivity^^, the EOS 5D Mark IV can be easily set up to operate remotely, with control of select camera settings from compatible mobile devices. Image review and transfer are fast and convenient, without even having to take the camera out of its bag. Built-in NFC technology also helps provide a virtually seamless connection to compatible Android™ devices^^^.

## Built-in GPS†

GPS

The EOS 5D Mark IV camera has built-in GPS† to help photographers and filmmakers automatically tag their images with location data, and adjust the time and timestamp on the camera automatically. This sophisticated system can also time sync with Universal Time Code (UTC) via satellites around the globe.

*** 4K requires the following write speed requirements: CF UDMA7 (100MB/sec. or faster); SD UHS-I (90MB/sec. or higher).*
****Saving a still image from a single movie frame may not result in the same image quality as a normal still image.*
*^ Compartment covers, terminal covers or any other camera components that can be opened must be closed properly to enhance dust-resistant and drip-resistant performance.*
*^^ Compatible with iOS® versions 8.0/8.1/8.2/8.3/8.4/9.0/9.1/9.2/9.3, Android™ smartphone and tablet versions 4.1/4.2/4.3/4.4/5.0/5.1/6.0. Data charges may apply with the download of the free Canon Camera Connect app. This app helps enable you to upload images to social media services. Please note that image files may contain personally identifiable information that may implicate privacy laws. Canon disclaims and has no responsibility for your use of such images. Canon does not obtain, collect or use such images or any information included in such images through this app.*
*^^^ Compatible with Android™ smartphone and tablet versions 4.0/4.1/4.2/4.3/4.4/5.0/5.1/6.0.*
*† In certain countries and regions, the use of GPS may be restricted. Therefore be sure to use GPS in accordance with the laws and regulations of your country or region. Be particularly careful when traveling outside your home country. As a signal is received from GPS satellites, take sufficient measures when using in locations where the use of electronics is regulated.*



# EOS M5

## The New Dimension of Excellence

Compact. Powerful. Fast. The EOS M5 features the brilliant image quality you can expect from the EOS line of cameras, in a lightweight, portable design with fast autofocus and quick processing to help make sure you don't miss that unforgettable shot. Inside its rugged frame is a 24.2 Megapixel CMOS (APS-C) sensor that's able to capture sharp, high-resolution images even in low-light situations. Easy to keep on hand for virtually every situation, it's also fast enough to capture the moment thanks to Dual Pixel CMOS AF, which quickly and accurately locks onto your subject. A high-resolution electronic viewfinder and a 3.2-inch tilt-type LCD monitor offer versatility in lining up the angle you want. Equipped with these impressive features and a whole lot more, the EOS M5 can be ideal for advanced photographers, enthusiasts and anyone looking to capture and save the best moments from everyday life and beyond.

NEW




24.2 MEGA PIXELS CMOS TTL: 25.8 MP · DIGIC 7 · FULL HD 1080 · ISO 25600 6400 · Up to 7.0 Frames Per Sec · EOS System Accessories · Tilt-up 85° Tilt-down 180° LCD · Dual Pixel CMOS AF · OLED EVF 2,360,000 dots · Remote Shooting · Creative Assist · Wi-Fi / NFC · Bluetooth · Picture Style · SDXC · HDMI



### 24.2 Megapixel CMOS (APS-C) Sensor

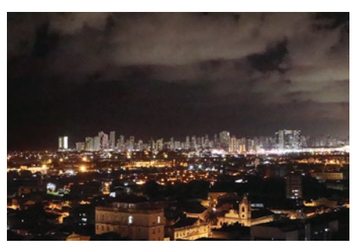
24.2 MEGA PIXELS CMOS TTL: 25.8 MP

The EOS M5 camera features a 24.2 Megapixel (APS-C) sensor capable of capturing large image and movie files. At 24.2 Megapixels, the EOS M5's sensor delivers images suitable for enlargements with sufficient resolution for significant trimming. Whether making poster-sized prints, zooming in on a particular detail or making Full HD movies, the EOS M5's sensor is primed to deliver.

### ISO 100–25600

ISO 25600 6400

With an ISO range of 100-25600, the EOS M5 camera can capture images with low noise and high detail in a wide variety of lighting conditions. This means that whether you're hiking at midday, exploring a city at sunset or having a dinner with friends at a candle-lit restaurant, the EOS M5 helps you get the photo you want.



*ISO 25600*

### DiG!C 7 Image Processor

DIGIC 7

Powerful all around, the new **DiG!C 7** Image Processor helps ensure your photos and videos look sharp and lifelike with minimal unwanted noise or grain. It features enhanced tracking and detection capabilities from improved face tracking to Dual Sensing IS to help keep subjects in focus, even in fast-action or low-light situations.



### Continuous Shooting Up to 7.0 fps (Up to 9.0 fps with AF Lock)

Up to 7.0 Frames Per Sec

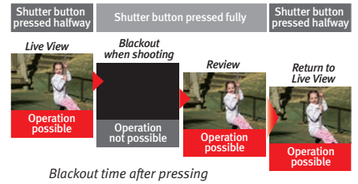
To help you get multiple images of a fast-moving subject and ensure you capture the moment you want, the EOS M5 camera is capable of taking up to 7.0 frames per second (up to 9.0 fps with AF Lock), and staying locked on with its new **DiG!C 7** Image Processor.



*7.0 fps*

### Short Start Up Time

With a quick startup time** of approx. 1.0 second, the EOS M5 camera goes from off to able to take a picture almost immediately. Thanks to its fast processing, there's also less time between image captures. This means the EOS M5 is ready to take that key moment when you need it.




*Blackout time after pressing the shutter button is shortened.*

### Dual Pixel CMOS AF

Dual Pixel CMOS AF

The EOS M5 camera's Dual Pixel CMOS AF system offers fast and precise autofocus that stays locked onto your subject, even if your subject is in motion, for both photos and videos. Using over 24.2 million phase-difference sensors, it helps ensure your images are sharp, quickly locks onto your subject and smoothly maintains focus where you want it.



*AF is applicable to approx. 80% of the entire image.*





*Smooth focus transitioning between subjects*

** *Approx. 66% faster than the EOS M3 camera.*




## Built-in High-resolution EVF

OLED
**EVF**
**2,360,000**
dots

The built-in high-resolution electronic viewfinder on the EOS M5 camera features approximately 2,360,000 dots so you can see high amounts of detail in what you're capturing, even on a bright sunny day. Its Organic Light Emitting Diode (OLED) technology offers high-contrast, high-color images that help properly display the scene you want to capture.







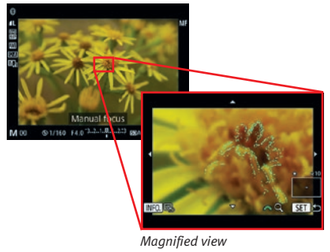
## Touch & Drag AF

While looking through the EVF, Touch & Drag AF lets you use the rear screen as a touchpad to change what the camera is focusing on. This helps you quickly get the photo you have in mind, without having to change the camera's position or move your hands just to adjust the focus.




## MF-point Zoom & MF Peaking

The viewfinder allows fast and accurate assessment of manual focus thanks to MF-point Zoom and MF Peaking. They allow you to zoom in on any part of the image in the viewfinder, highlighting the specific area you want in focus. They also reflect exposure and white balance setting changes in the viewfinder, providing a convenient way to confirm changes in real time.




*Magnified view*

## Compact Size with Full-scale Performance

Incredibly lightweight and compact, the EOS M5 camera is stylish and speedy while including a host of proven EOS camera controls. It's designed for those who appreciate a portable, mirrorless body but want the option of interchangeable lenses, with a large sensor and the manual controls and image quality associated with the EOS line of cameras.

## Intuitive Touch Screen 3.2 Tilt-type LCD

Tilt-up 85° Tilt-down 180°
LCD

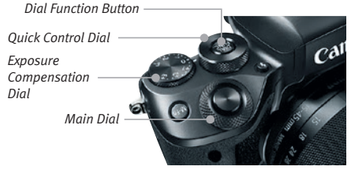
The EOS M5 camera has a large, high-resolution, 3.2" LCD monitor that tilts up 85° and down 180°, ideal for composing pictures at high and low angles with ease. Its touch screen is designed to be fast and easy to use for many operations, allowing accessible AF selection right on the panel.






## Customize Function with Dials and Buttons

The EOS M5 camera features multiple customizable dials to help you keep the adjustments you want, right at your fingertips. Positioned for easy accessibility while using the camera, the Main Dial, Quick Control Dial, Dial Function button and Exposure Compensation Dial allow for quick setting changes on the go.






## Full HD 60p Video in MP4 Format

FULL HD 1080

Whether you're creating artistic film clips or capturing special occasions, the EOS M5 camera can catch them in incredibly realistic 1080p Full HD video, which can be recorded at 60 fps with stereo sound in convenient MP4 format. Video is smooth and richly detailed even when played back on a large-screen HDTV via the camera's HDMI output.

## 5-axis Image Stabilization* with Lens Optical IS and In-camera Digital IS

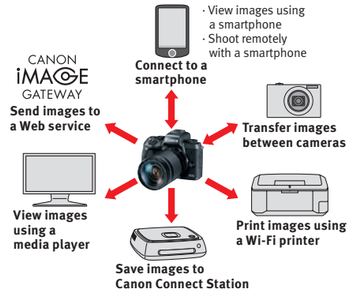
To counter unintentional shaking, the EOS M5 camera features 5-axis Digital Image Stabilization* when recording video, which combats blur due to movement by digitally minimizing it in-camera. When a combination IS-compatible lens is attached, the EOS M5 can also use the lens's Optical IS in conjunction with Digital IS for even less chance of blur due to shaking.




## Built-in Wi-Fi®^ and NFC^^ Technologies

Wi-Fi / NFC

The EOS M5 camera is designed to make wireless connections fast and easy. Thanks to built-in Wi-Fi® technology^, it can exchange data with compatible devices, upload directly to various web services and more. Built-in NFC technology^^ means it can connect directly to compatible devices by simply touching the NFC icon on the camera to the device.




## Bluetooth®^^^ Smart

Bluetooth®

Thanks to Bluetooth® ^^^ Smart pairing, you can easily connect to and remotely control the EOS M5 camera from compatible smartphones. After the initial pairing, you can set the camera to automatically connect, then control camera operations remotely. You can also establish a direct Wi-Fi® connection to use your phone as a viewfinder, and check and download previously captured photos and videos.



*Remote Playback* *Remote Shooting*

## EF-M Lenses

EF-M lenses are compact, lightweight and made just for EOS M series digital cameras like the EOS M5 camera. With a full line-up of options, excellent image stabilization for low-light performance, impressive optics and more, EF-M lenses are suited to take both stills and HD video in a wide range of situations.



*EF-M 28mm f/3.5 Macro IS STM*



*EF-M 18–150mm F/3.5–6.3 IS STM*

## Compatibility with EOS System Accessories

EOS System Accessories

To expand creative opportunities, the EOS M5 camera boasts smooth compatibility with the full line of Canon's EF and EF-S lenses with use of the optional Mount Adapter EF-EOS M. It's also compatible with other EOS accessories like Speedlites, Speedlite Transmitters and even Macro Ring Lites.



*Mount Adapter EF-EOS M*

* *Maximum image stabilization is achieved when using either the EF-M 18–150mm f/3.5–6.3 IS STM or the EF-M 15–45mm f/3.5–6.3 IS STM with the firmware update.*

^ *Compatible with iOS® versions 8.0/8.1/8.2/8.3/8.4/9.0/9.1/9.2/9.3, Android™ smartphone and tablet versions 4.1/4.2/4.3/4.4/5.0/5.1/6.0. Data charges may apply with the download of the free Canon Camera Connect app. This app helps enable you to upload images to social media services. Please note that image files may contain personally identifiable information that may implicate privacy laws. Canon disclaims and has no responsibility for your use of such images. Canon does not obtain, collect or use such images or any information included in such images through this app.*

^^ *Compatible with Android™ smartphone and tablet versions 4.0/4.1/4.2/4.3/4.4/5.0/5.1/6.0.*

^^^ *Compatible with select smartphone and tablet devices (Android™ version 5.0 or later and the following iOS® devices: iPhone 4s or later, iPad 3rd gen. or later, iPod Touch 5th gen. or later) equipped with Bluetooth version 4.0 or later and the Camera Connect App Ver. 1.3.20 or above. This application is not guaranteed to operate on all listed devices, even if minimum requirements are met.*




# EOS-1D X Mark II

## The Mark of Legends

Immense power. Phenomenal speed. A remarkable combination of innovation and refinement. The new EOS-1D X Mark II camera is nothing but legendary every step of the way. Blazingly fast, it can capture up to 14 fps (16 fps in Live View mode)* at a burst rate of up to 170 RAWs with a CFast™ card, delivering clean, sharp images even in dim light with an improved 61-point AF system. This remarkable speed means faster recording too: 4K video can be recorded at up to 60 fps with smooth AF and strikingly clear detail. Combined with superb low-light performance thanks to its improved ISO sensitivities, the EOS-1D X Mark II camera performs brilliantly from the stadium, safari or studio to virtually everywhere in between, marking a new page in the legacy of the EOS series of cameras.




DPREVIEW GOLD AWARD

20.2 MEGA PIXELS CMOS
DIGIC 6 DUAL
FULL FRAME CMOS
Up to 14.0 Frames Per Sec
Up to 16.0 Frames Per Sec LiveView Mode
61 points High Density Reticular AF II
ISO 51200
ISO H FHD 25600 4K 12800
360,000 PIXEL RGB+IR Metering sensor
4K
4K Frame Grab
FULL HD 1080
Dual Pixel CMOS AF
LiveView Mode
3:2 WIDE 8.1cm/3.2" LCD ClearView II
Intelligent Viewfinder II
RAW JPEG In-Camera Digital Lens Optimizer
CFast 2.0





# EOS 5Ds/5DsR

## The Freedom of High Resolution

Marking a new standard in high-resolution digital SLR photography, the Canon EOS 5DS camera shatters the status quo with a 50.6 Megapixel, full-frame CMOS sensor and dual **DiG!C 6** Image Processors. Perfect for studio, commercial, fine art, landscape, architectural, portrait and wedding photography, plus large-scale printing, the EOS 5DS represents the ultimate combination of EOS performance and ultra-high megapixel capture. Joining the EOS 5DS is the EOS 5DS R, which adds an LPF* (low-pass filter) cancellation effect, for specialized applications where pixel-level sharpness and detail are desired. Now capable of wireless operation using the available Wi-Fi Adapter W-E1** card so you can remote shoot in the studio or on location, the EOS 5DS and 5DS R provide even more versatility for your creative endeavors.

LOW-PASS FILTER CANCELLATION EFFECT***

The Wi-Fi Adapter W-E1** is now available to help the EOS 5DS / 5DS R camera connect wirelessly!




50.6 MEGA PIXELS CMOS
DIGIC 6 DUAL
FULL FRAME CMOS
Picture Style
FULL HD 1080
Up to 5.0 Frames Per Sec
LiveView MODE
ISO 6400 6400
61 points High Density Reticular AF
150,000 PIXEL RGB+IR Metering sensor
3:2 WIDE 8.1cm/3.2" LCD ClearView II
Intelligent Viewfinder II
DIRECT PRINT
PictBridge
HDMI
SUPERSPEED USB

** The possibility of moiré and color artifacts is greater due to the LPF cancellation function.*
*** To use Wi-Fi® functions with Wi-Fi Adapter W-E1 inserted, the firmware version of the EOS 5D S/5D SR must be 1.1.0 or later.*
**** EOS 5DS R camera only.*



# EOS 5D Mark III

FIRMWARE UPDATE Available*

## The Power to Create

For stunning high resolution, full-frame photography with supercharged EOS performance, there's nothing quite like the EOS 5D Mark III camera. With a full-frame 22.3 Megapixel Canon CMOS sensor, Canon's amazing **DiG!C 5+** Image Processor, a 61-Point High Density Reticular AF, dual card slots and shooting performance up to 6.0 fps, the refined EOS 5D Mark III is designed to perform. With an extended ISO range of 100–25600 (expandable to 50 (L), 51200 (H1) and 102400 (H2)), an Intelligent Viewfinder and Canon's advanced iFCL Metering System, plus HDR, Multiple Exposure, refined HD video recording and more, the EOS 5D Mark III is one of the most user-friendly, professional level, full-frame EOS cameras ever.




22.3 MEGA PIXELS CMOS · DiG!C 5+ · FULL FRAME CMOS · Picture Style · FULL HD 1080 · Up to 6.0 Frames Per Sec · LiveView MODE · ISO 25600 12800

61 High-Density Reticular AF · EOS Integrated Cleaning System · 3:2 WIDE 3.2" LCD ClearView II · DIRECT PRINT · PictBridge · Hi-Speed USB · Intelligent Viewfinder

** The EOS 5D Mark III firmware update is available at:* ***usa.canon.com/internet/portal/us/home/support/details/cameras/dslr/eos-5d-mark-iii#drivers_downloads_tab***





# EOS 6D

## Unlock Your Vision

Designed to bring all of the benefits of full-frame photography and moviemaking to a compact, lightweight and simple to operate DSLR, the EOS 6D is the perfect camera to help you realize your creative vision. The EOS 6D camera features a 20.2 Megapixel full-frame CMOS sensor, Canon's amazing **DiG!C 5+** Image Processor, a 63-zone AE sensor and an 11-point AF system with a center point light sensitive to EV -3 for outstanding performance even in low-light conditions. The camera has a bright viewfinder and a brilliant 3.0-inch Clear View LCD monitor, and offers advanced, professional level HD capture for beautiful, cinematic HD quality videos, can shoot up to 4.5 frames per second, offers an extensive ISO range and conveniently features built-in wireless technology and GPS*! It's the ideal camera for advanced amateurs and videographers making the move to a Full-Frame DSLR, as well as professionals seeking a secondary camera. Whatever your inspiration, unlock your vision with the power of the EOS 6D camera.




20.2 MEGA PIXELS CMOS · DiG!C 5+ · FULL FRAME CMOS · FULL HD 1080 · Wi Fi CERTIFIED · GPS · ISO 25600 12800 · Up to 4.5 Frames Per Sec

11 point AF · 63 Dual-Layer Metering · EOS Integrated Cleaning System · Picture Style · DIRECT PRINT · PictBridge · Hi-Speed USB

** In certain countries and regions, the use of GPS may be restricted. Therefore, be sure to use GPS in accordance with the laws and regulations of your country or region. Be particularly careful when traveling outside your home country. As a signal is received from GPS satellites, take sufficient measures when using in locations where the use of electronics is regulated.*



# EOS 7D Mark II

The Wi-Fi Adapter W-E1** is now available to help the EOS 7D Mark II camera connect wirelessly!

## Fuel Your Creative Passion

The Canon EOS 7D Mark II digital SLR camera is designed to meet the demands of photographers and videographers who want a camera that can provide a wide range of artistic opportunities. With a winning combination of cutting-edge operations and a robust, ergonomic design, it is optimized to make even the most challenging photography simple and easy. The EOS 7D Mark II features a refined 20.2 Megapixel APS-C CMOS sensor with Dual **DiGiC 6** Image Processors for gorgeous imagery. It shoots up to 10 frames per second at ISOs ranging from 100–16000 (expandable to H1: 25600, H2: 51200), has a 65-point* all cross-type AF system and features Canon's amazing Dual Pixel CMOS AF for brilliant Live-View AF. To access convenient, new Wi-Fi®** capabilities, it can even be paired with Canon's optional Wi-Fi Adapter W-E1*** (and the firmware update for versions 1.1 or later). Available in a variety of kits including bundles featuring the Wi-Fi Adapter W-E1, the EOS 7D Mark II is an ideal tool for creative and ambitious photography.




20.2 MEGA PIXELS CMOS · DIGIC 6 DUAL · Up to 10.0 Frames Per Sec · Max Cross-type 65 AF point · 3:2 WIDE 7.7cm / 3.0" LCD ClearView II · Dual Pixel CMOS AF · Approx. 100% Viewfinder · Intelligent Viewfinder II

ISO 16000 16000 · FULL HD 1080 · 150,000 PIXEL RGB+IR Metering sensor · GPS · Picture Style · PictBridge · HDMI · SUPERSPEED USB

* The number of available AF points, and whether single line or cross-type, varies depending on the lens.
** Compatible with iOS® versions 8.0/8.1/8.2/8.3/8.4/9.0/9.1/9.2/9.3, Android™ smartphone and tablet versions 4.1/4.2/4.3/4.4/5.0/5.1/6.0. Data charges may apply with the download of the free Canon Camera Connect app. This app helps enable you to upload images to social media services. Please note that image files may contain personally identifiable information that may implicate privacy laws. Canon disclaims and has no responsibility for your use of such images. Canon does not obtain, collect or use such images or any information included in such images through this app.
*** The EOS 7D Mark II camera requires a firmware update to utilize the Wi-Fi® benefits provided by the Wi-Fi Adapter W-E1 unless purchased as one of the available Wi-Fi Adapter Kit bundles.





# EOS 80D

## Focus with Precision

Whether raising your game to SLR level photography or having fun with a feature-rich, versatile SLR you can use pretty much anywhere, the EOS 80D camera is your answer. It features an impressive 45-point all cross-type AF system* that provides high-speed, highly precise AF in virtually any kind of light. An Intelligent Viewfinder with approximately 100% coverage helps ensure photographers don't miss their shot. Improvements like a powerful 24.2 Megapixel (APS-C) CMOS sensor and enhanced Dual Pixel CMOS AF boost performance across the board. Complementing the EOS 80D camera's advanced operation are built-in wireless connectivity and Full HD 60p movies that can be saved as MP4s for easy sharing. Merging power, precision and operability, the EOS 80D is a dynamic SLR camera for anyone ready to realize their creative vision.




24.2 MEGA PIXELS CMOS · DIGIC 6 · Max Cross-type 45 AF point · Up to 7.0 Frames Per Sec · Approx. 100% Viewfinder · Intelligent Viewfinder II · 7,560 PIXEL RGB+IR Metering sensor · Dual Pixel CMOS AF

FULL HD 1080 · ISO 16000 12800 · 3:2 WIDE 7.7cm / 3.0" LCD ClearView II · Vari angle LCD · Wi-Fi / NFC · Picture Style · SDXC

* The number of AF points, cross-type AF points and Dual cross-type AF points vary depending on the lens used.



# EOS 70D

## Meet the New Game-Changer

Changing forever the way you capture still images and video with a DSLR camera, the EOS 70D camera is a trailblazing powerhouse featuring a revolutionary autofocus technology that unlocks the potential of Live View. The innovative Dual Pixel CMOS AF allows the EOS 70D to shoot video like a camcorder, enables you to fully benefit from the freedom of angle allowed by the camera's Vari-angle Touch Screen 3.0-inch Clear View LCD monitor II, and is compatible with over 103 Canon EF lenses for expanded creative flexibility. Built-in wireless technology further enhances shooting and sharing capabilities. Superb image quality is provided by a newly designed 20.2 Megapixel CMOS (APS-C) sensor, which enables an ISO range of 100–12800 (H: 25600), and the powerful **DiG!C 5+** Image Processor helps achieve up to 7.0 fps continuous shooting. A 19-point all cross-type AF system with a high precision dual cross f/2.8 center point and Intelligent Viewfinder with customizable display provide advanced control during composition and capture, while imaging features like HDR, Multiple Exposure and Creative Filters available in real time help create spectacular photos. Elevating the possibilities of creative expression to amazing heights, the EOS 70D with cutting-edge Dual Pixel CMOS AF is nothing short of revolutionary.




20.2 MEGA PIXELS CMOS · DiGIC 5+ · Dual Pixel CMOS AF · Wi Fi CERTIFIED · FULL HD 1080 · ISO 12800 6400 · Up to 7.0 Frames Per Sec

All Cross-type 19-point AF · 3:2 WIDE 3.0" LCD ClearView II · Intelligent Viewfinder · Vari angle LCD · Picture Style · PictBridge · SDXC



# EOS REBEL T6s / T6i

## Advanced EOS Features, Rebel Simplicity

Designed for those who want more creative control, but still want the ease-of-use of the Rebel line, the EOS Rebel T6s camera is a great choice. Wireless sharing is easy and convenient thanks to built-in Wi-Fi®* via the free Canon Camera Connect app*, as well as built-in Near Field Communication (NFC)**. Premium features like manual controls, illuminated Top LCD and more provide users the artistic freedom to easily capture truly unique and expressive photos and videos the way they envision. For simple and fun photos and videos that are easy to share, the EOS Rebel T6i camera provides built-in Wi-Fi®* and NFC**, an intuitive design, advanced AF and more so that taking beautiful, natural-looking photos and HD videos can be fun and effortless.




24.2 MEGA PIXELS CMOS · DiGIC 6 · FULL HD 1080 · ISO 12800 6400 · Up to 5.0 Frames Per Sec · 3:2 WIDE 7.7cm/3.0" LCD ClearView II · Vari angle LCD · Hybrid CMOS AF III

Cross-type 19-point AF · Max 7,560 PIXEL RGB+IR Metering sensor · Wi-Fi / NFC · Scene Intelligent Auto · Picture Style · PictBridge · SDXC · HDMI

** Compatible with iOS® versions 8.0/8.1/8.2/8.3/8.4/9.0/9.1/9.2/9.3, Android™ smartphone and tablet versions 4.1/4.2/4.3/4.4/5.0/5.1/6.0. Data charges may apply with the download of the free Canon Camera Connect app. This app helps enable you to upload images to social media services. Please note that image files may contain personally identifiable information that may implicate privacy laws. Canon disclaims and has no responsibility for your use of such images. Canon does not obtain, collect or use such images or any information included in such images through this app.*

*** Compatible with Android™ smartphone and tablet versions 4.0/4.1/4.2/4.3/4.4/5.0/5.1/6.0.*



# EOS REBEL T5i

## Renew Your Creative Soul

Photo enthusiasts rejoice! The EOS Rebel T5i camera is here to renew your artistic side with amazing imaging features and full-featured functionality. An 18.0 Megapixel CMOS (APS-C) sensor and Canon's superb **DiG!C 5** Image Processor combine with an extensive ISO range of 100–12800 (expandable to 25600 in H mode) to provide gorgeous, detailed images, even in low-light situations. 9 cross-type AF focus points, including a high-precision dual-cross f/2.8 center point, help ensure crisp focus throughout the frame, and the Hybrid CMOS AF system enables speedy and accurate autofocus when shooting in Live View mode, which is displayed on the brilliant Vari-angle Touch Screen 3.0-inch Clear View LCD monitor II. EOS Full HD Movie mode with Movie Servo AF help make shooting high quality videos easy, offering you another outlet for your creativity.




18.0 MEGA PIXELS CMOS · DiG!C 5 · FULL HD 1080 · ISO 12800 H 6400 · Up to 5.0 Frames Per Sec · 3:2 WIDE 3.0" LCD ClearView II · Vari angle LCD · Hybrid CMOS AF · All Cross-type 9 point AF · 63 ZONE Dual-Layer Metering · LiveView MODE · Scene Intelligent Auto · EOS Integrated Cleaning System · Picture Style · PictBridge · SDXC



# EOS REBEL SL1

The World's Smallest and Lightest Digital SLR Camera*

## Small Size, Big Possibilities

As the world's smallest and lightest digital SLR camera*, the EOS Rebel SL1 camera is small in size but enormous in performance. It has an 18.0 Megapixel CMOS (APS-C) sensor and Canon **DiG!C 5** Image Processor to help deliver images of outstanding quality. An ISO range of 100–12800 (expandable to H: 25600) for stills and 100–6400 (expandable to H: 12800) for video plus up to 4.0 fps continuous shooting make this camera superb in dim lighting or when capturing fast action. The 9-point AF system with a high-precision cross-type f/2.8 center point helps ensure outstanding autofocus performance when shooting with the viewfinder, while Hybrid CMOS AF II helps deliver accurate AF tracking during Live View shooting. Creative Filters add artistry to your shots, and are easily previewed on the wide Touch Screen 3.0-inch Clear View LCD monitor II. This is the DSLR you'll want to bring with you every day.




*Also available in white.*

18.0 MEGA PIXELS CMOS · DiG!C 5 · FULL HD 1080 · ISO 12800 H 6400 · Up to 4.0 Frames Per Sec · 3:2 WIDE 3.0" LCD ClearView II · Hybrid CMOS AF II · 9 point AF · 63 ZONE Dual-Layer Metering · LiveView MODE · Scene Intelligent Auto · EOS Integrated Cleaning System · Picture Style · PictBridge · SDXC

** Among digital SLR cameras which use APS-C size equivalent sensors. As of February 1, 2015, based on Canon's research (black model only).*



# EOS REBEL T6

## Share Photos that Impress

The camera with the quality your photos deserve, the EOS Rebel T6 can be ideal for smartphone or digital point-and-shoot camera users looking to step up their imaging game. It's equipped with an 18.0 Megapixel CMOS image sensor and the **DiG!C 4+** Image Processor for highly detailed, vibrant photos and videos even in low light. Whether you're out on an adventure hike or snapping candids of your friends during a late night out, the EOS Rebel T6 can help you take photos you'll want to show off. Built-in Wi-Fi®* and NFC** connectivity make it easy to get your favorite pictures up on select social media sites for your friends, family and the world to see. If you're new to DSLRs, Scene Intelligent Auto mode can conveniently and automatically adjust the camera's settings to suit your subject. Easy to use and simple to share with, the EOS Rebel T6 delivers high image quality that's sure to catch the audience's eye.

NEW




18.0 MEGA PIXELS CMOS · FULL HD 1080 · DiGiC 4+ · ISO 6400 / 6400 · Up to 3.0 Frames Per Sec · 4:3 WIDE 7.5cm / 3.0" LCD · 9 point AF · LiveView MODE

63 Zone Dual-Layer Metering · Scene Intelligent Auto · Wi-Fi / NFC · Picture Style · PictBridge · SDXC · HDMI

** Compatible with iOS® versions 8.0/8.1/8.2/8.3/8.4/9.0/9.1/9.2/9.3, Android™ smartphone and tablet versions 4.1/4.2/4.3/4.4/5.0/5.1/6.0. Data charges may apply with the download of the free Canon Camera Connect app. This app helps enable you to upload images to social media services. Please note that image files may contain personally identifiable information that may implicate privacy laws. Canon disclaims and has no responsibility for your use of such images. Canon does not obtain, collect or use such images or any information included in such images through this app.*

*** Compatible with Android™ smartphone and tablet versions 4.0/4.1/4.2/4.3/4.4/5.0/5.1/6.0.*



# EOS REBEL T5

## EOS Performance Made Simple

Perfect for families, budding photo enthusiasts and first-time SLR users alike, the EOS Rebel T5 camera makes it easy to capture movies and photos that are nothing short of dazzling. It features a powerful 18.0 Megapixel CMOS (APS-C) image sensor and Canon's **DiG!C 4** Image Processor for easy recording of HD video and high-resolution photos and has a huge 3.0-inch LCD screen for Live View recording and review. With a 63-zone, Dual-layer metering system, an expanded ISO range for outstanding operation in low-light situations, shooting modes like Scene Intelligent Auto to take the guesswork out of complex shots plus creative options like Canon's Basic+ function and Creative Auto, the EOS Rebel T5 is ready for anything. With a helpful Feature Guide, rugged, lightweight construction and proven Canon design, the EOS Rebel T5 makes EOS SLR photography fast and easy!




18.0 MEGA PIXELS CMOS · FULL HD 1080 · DiGiC 4 · ISO 6400 · Up to 3.0 Frames Per Sec · 4:3 WIDE 7.5cm / 3.0" LCD · 9 point AF · LiveView MODE

63 Zone Dual-Layer Metering · Scene Intelligent Auto · DIRECT PRINT · Picture Style · PictBridge · SDXC · HDMI



# EOS M3

## An EOS Camera in A New Light

Designed to inspire, the EOS M3 camera brings true EOS camera performance and image quality to a compact, stylish and elegant package. Able to produce stunning images with a variety of lenses, the EOS M3 is an ideal camera for portraiture, landscapes, travel and everything in between. In addition to a number of dedicated EF-M lenses, it's also compatible with a range of EOS accessories including EF* and EF-S* lenses, Speedlite flashes and an optional shoe-mounted electronic viewfinder. What's more, it features built-in Wi-Fi®** and NFC*** for numerous wireless capabilities. The EOS M3 defies the assumption that compact means compromise, with performance its users can rely on to help bring their creative ideas to life.




24.2 MEGA PIXELS CMOS · DIGIC 6 · FULL HD 1080 · ISO 12800 6400 · Up to 4.2 Frames Per Sec · EOS System Accessories · Tilt-up 180° Tilt-down 45° LCD · Hybrid CMOS AF III

Remote Shooting · Creative Assist · Wi-Fi / NFC · Scene Intelligent Auto · Picture Style · PictBridge · SDXC · HDMI

** Mount Adapter EF-EOS M is required.*
*** Compatible with iOS® versions 8.0/8.1/8.2/8.3/8.4/9.0/9.1/9.2/9.3, Android™ smartphone and tablet versions 4.1/4.2/4.3/4.4/5.0/5.1/6.0. Data charges may apply with the download of the free Canon Camera Connect app. This app helps enable you to upload images to social media services. Please note that image files may contain personally identifiable information that may implicate privacy laws. Canon disclaims and has no responsibility for your use of such images. Canon does not obtain, collect or use such images or any information included in such images through this app.*
**** Compatible with Android™ smartphone and tablet versions 4.0/4.1/4.2/4.3/4.4/5.0/5.1/6.0.*



# EOS M10

## The Power of an EOS Camera, Simplified

The EOS M10 camera combines Canon picture quality with a stylish, compact, lightweight and most of all, easy-to-use package. Equipped with a 3.0-inch tilt-type touch screen, the EOS M10 can help take great selfies. What's more, convenient settings like Creative Assist and Self Portrait simplify photo adjustments to help ensure your images are how you want them. When you're ready for the next level, the EOS M10 is compatible with a wide range of dedicated EF-M lenses, and the extensive range of EF* and EF-S* lenses. These features combine to make the EOS M10 worthy of the Canon legacy, while being conveniently wrapped in a slim, stylish camera.




18.0 MEGA PIXELS CMOS Total: 18.5 megapixels · DIGIC 6 · FULL HD 1080 · ISO 12800 6400 · Up to 4.6 Frames Per Sec. · EOS System Accessories · Tilt-up LCD 180° · Hybrid CMOS AF II

Remote Shooting · Creative Assist · Wi-Fi / NFC · Scene Intelligent Auto · Picture Style · PictBridge · SDXC · HDMI

** Mount Adapter EF-EOS M is required.*

## EOS Camera Comparison Chart

| | EOS-1D X Mark II | EOS 5DS | EOS 5DS R | EOS 5D Mark IV | EOS 5D Mark III | EOS 6D |
|---|---|---|---|---|---|---|
| **Autofocus System** | 61-point Area AF Sensor with full time red illumination in viewfinder; TTL secondary image-forming phase-difference detection system with AF-dedicated CMOS sensor that has max. of 41 cross-type points (lens dependent); One-Shot and AI Servo AF III with EOS iTR AF; Manual focusing confirmation possible with EF lenses; Automatic or manual focus point selection | 61-Point High Density Reticular AF with Offset Array Sensor; TTL-AREA-SIR AF-dedicated CMOS Sensor with 41 cross-type points (lens dependent) One-Shot and AI Servo III AF; Manual focusing confirmation possible with EF lenses; Automatic or manual focus point selection | 61-Point High Density Reticular AF with Offset Array Sensor; TTL-AREA-SIR AF-dedicated CMOS Sensor with 41 cross-type points (lens dependent) One-Shot and AI Servo III AF; Manual focusing confirmation possible with EF lenses; Automatic or manual focus point selection | 61-point Area AF Sensor with full time red illumination in viewfinder; TTL secondary image-forming phase-difference detection system with AF-dedicated CMOS sensor that has max. of 41 cross-type points (lens dependent); One-Shot and AI Servo AF III with EOS iTR AF; Manual focusing confirmation possible with EF lenses; Automatic or manual focus point selection | 61-Point High Density Reticular AF with Offset Array Sensor; TTL-AREA-SIR AF-dedicated CMOS Sensor with 41 cross-type points (lens dependant); One-Shot and AI Servo III AF; Manual focusing confirmation possible with EF lenses; Automatic or manual focus point selection | TTL-CT-SIR AF CMOS Sensor (only the center point is cross-type); One-Shot and AI Servo with Focus Prediction; AI Focus AF; Manual focusing confirmation possible with EF lenses; Automatic or manual point selection |
| **Image Processor / Image Sensor** | Dual DIGIC 6+ and dedicated DIGIC 6 for metering / 35.9 x 23.9mm, Single-plate CMOS Sensor with Carrier-wave System and Conventional System Sensor Cleaning | Dual DIGIC 6 / 36.0 x 24.0mm, Single-plate CMOS Sensor with Auto Sensor Cleaning | Dual DIGIC 6 / 36.0 x 24.0mm, Single-plate CMOS Sensor with Auto Sensor Cleaning | Dual DIGIC 6+ and dedicated DIGIC 6 for metering / 36.0 x 24.0mm, Single-plate CMOS sensor with Ultrasonic Vibration Sensor Cleaning | DIGIC 5+ / 36 x 24mm, Single-plate CMOS Sensor with Auto Sensor Cleaning | DIGIC 5+ / 35.8 x 23.9mm, Single-plate CMOS sensor with Auto Sensor Cleaning |
| **Crop Factor** | 1.0x (Full-frame) | 1.0/1.3/1.6x (Full Frame) | 1.0/1.3/1.6x (Full Frame) | 1.0x (Full-frame) | 1.0x (Full-frame) | 1.0x (Full-frame) |
| **Special Features** | • 20.2 Megapixel Full-frame CMOS sensor<br>• Built-in 3.2" Clear View LCD II monitor (approx. 1,620,000 dots)<br>• 34 Custom Functions in 7 groups<br>• Dual Pixel CMOS AF<br>• 2 Multi-controllers<br>• Simultaneous RAW + JPEG image capture<br>• Multiple Exposures<br>• Dioptric adjustment<br>• Depth of field preview<br>• FE Lock<br>• Mirror Lock<br>• In-camera RAW processing<br>• Star rating system<br>• CFast 2.0™ compatible<br>• USB 3.0 SuperSpeed compatible<br>• Magnesium alloy body<br>• Picture Style (9 settings)<br>• Dust removal feature<br>• Live View Function & Face Detection Live mode<br>• 4K Video with Still Frame Grab*<br>• Full HD Video<br>• Intelligent Viewfinder II<br>• Lens aberration correction<br>• Built-in GPS† | • 50.6 Megapixel Full-Frame CMOS sensor<br>• Built-in 3.2" Clear View II LCD monitor (approx. 1,040,000 dots)<br>• 16 Custom Functions in 4 groups<br>• Custom Quick Control Dial<br>• Electronic Level<br>• Simultaneous RAW + JPEG image capture<br>• HDR Shooting with 5 effects<br>• Multiple Exposures (4 modes)<br>• Dioptric adjustment<br>• Depth of field preview<br>• FE Lock<br>• Mirror Lock<br>• In-camera RAW processing<br>• Star rating system<br>• USB 3.0 SuperSpeed Compatible<br>• Aluminum and polycarbonate with glass fiber chassis<br>• Picture Style<br>• Dust reduction feature<br>• Live View Function & Face Detection Live mode<br>• Full HD Video<br>• All-I or IPB Compression<br>• Intelligent Viewfinder<br>• Lens aberration correction<br>• Anti-flicker feature | • 50.6 Megapixel Full-Frame CMOS sensor<br>• Low-pass filter cancellation effect††<br>• Built-in 3.2" Clear View II LCD monitor (approx. 1,040,000 dots)<br>• 16 Custom Functions in 4 groups<br>• Custom Quick Control Dial<br>• Electronic Level<br>• Simultaneous RAW + JPEG image capture<br>• HDR Shooting with 5 effects<br>• Multiple Exposures (4 modes)<br>• Dioptric adjustment<br>• Depth of field preview<br>• FE Lock<br>• Mirror Lock<br>• In-camera RAW processing<br>• Star rating system<br>• USB 3.0 SuperSpeed Compatible<br>• Aluminum and polycarbonate with glass fiber chassis<br>• Picture Style<br>• Dust reduction feature<br>• Live View Function & Face Detection Live mode<br>• Full HD Video<br>• All-I or IPB Compression<br>• Intelligent Viewfinder<br>• Lens aberration correction<br>• Anti-flicker feature | • 30.4 Megapixel Full-frame CMOS sensor<br>• Built-in 3.2" Clear View LCD II monitor (approx. 1,620,000 dots)<br>• 17 Custom Functions in 5 groups<br>• Dual Pixel CMOS AF<br>• 1 Multi-controller<br>• Custom Quick Control Dial<br>• Electronic Level<br>• Simultaneous RAW + JPEG image capture<br>• HDR Shooting with 5 effects<br>• Multiple Exposures<br>• Dioptric adjustment<br>• Depth of field preview<br>• FE Lock<br>• Mirror Lock<br>• In-camera RAW processing<br>• Star rating system<br>• USB 3.0 SuperSpeed compatible<br>• Magnesium alloy body<br>• Picture Style (9 settings)<br>• Dust removal feature<br>• Live View Function & Face Detection Live mode<br>• All-I or IPB Compression<br>• 4K Video with Still Frame Grab*<br>• Full HD Video<br>• Intelligent Viewfinder II<br>• Lens aberration correction<br>• Anti-flicker feature<br>• Built-in Wi-Fi®^ and NFC^^<br>• Built-in GPS† | • 22.3 Megapixel Full-Frame CMOS sensor<br>• Built-in 3.2" Clear View II LCD monitor (approx. 1,040,000 dots)<br>• 13 Custom Functions in 3 groups<br>• Multi-controller and Quick Control Dial<br>• Dual Axis Electronic Level<br>• Simultaneous RAW + JPEG image capture<br>• HDR Shooting with 5 effects<br>• Multiple Exposures (4 modes)<br>• Dioptric adjustment<br>• Depth of field preview<br>• FE lock<br>• Mirror lock<br>• In-camera RAW processing<br>• Star rating system<br>• USB 2.0 Hi-Speed compatible<br>• Magnesium-alloy body<br>• Picture Style<br>• Dust reduction feature<br>• Live View Function & Face Detection Live mode<br>• Full HD Video<br>• SMPTE Time Code<br>• All-I or IPB Compression<br>• Intelligent Viewfinder<br>• Lens aberration correction | • 20.2 Megapixel Full-Frame CMOS sensor<br>• Built-in 3.0" Clear View LCD monitor (approx. 1,040,000 dots)<br>• Built-in wireless technology<br>• Built-in GPS†<br>• 20 Custom Functions in 3 groups<br>• Simultaneous RAW + JPEG image capture<br>• Multiple Exposures<br>• Dioptric adjustment<br>• FE Lock<br>• Basic+<br>• In-camera RAW processing<br>• Star Rating System<br>• USB 2.0 Hi-speed compatible<br>• Picture Style<br>• Dust reduction feature<br>• Live View Function & Face Detection Live mode<br>• Full HD Video<br>• All-I or IPB Compression<br>• SMPTE Time Code<br>• Multi-shot Noise Reduction<br>• Lens Aberration Correction |
| **Video Recording Size** | 4096 x 2160 (4K): 60p (59.94) / 30p (29.97) / 24p / 23.98p,<br>1920 x 1080 (Full HD): 120p (119.9) / 60p (59.94) / 30p (29.97) / 24p / 23.98p | 1920 x 1080 (Full HD): 30p (29.97) / 25p / 24p (23.976),<br>1280 x 720 (HD): 60p (59.94) / 50p, 640 x 480 (SD): 30p (29.97) / 25p | 1920 x 1080 (Full HD): 30p (29.97) / 25p / 24p (23.976),<br>1280 x 720 (HD): 60p (59.94) / 50p, 640 x 480 (SD): 30p (29.97) / 25p | 4096 x 2160 (4K)##: 30p (29.97) / 24p / 23.98p,<br>1920 x 1080 (Full HD): 60p (59.94) / 30p (29.97) / 24p / 23.98p<br>1280 x 720 (HD): 120p (119.9) | 1920 x 1080 (Full HD): 30p (29.97) / 25p / 24p (23.976),<br>1280 x 720 (HD): 60p (59.94) / 50p, 640 x 480 (SD): 30p (29.97) / 25p | 1920 x 1080 (Full HD): 30p (29.97) / 25p / 24p (23.976),<br>1280 x 720 (HD): 60p (59.94) / 50p, 640 x 480 (SD): 30p (29.97) / 25p |
| **Number of Focusing Points** | 61 selectable AF points, 41 cross-type points (lens dependent);<br>5 dual cross-type AF points, 61 AF points at f/8# | 61 (Area AF Ellipse); 61 points selectable, 41 cross-type points (lens dependent), 5 diagonal cross-type points, AI Servo AF III | 61 (Area AF Ellipse); 61 points selectable, 41 cross-type points (lens dependent) 5 diagonal cross-type points, AI Servo AF III | 61 selectable AF points, 41 cross-type points (lens dependent); 5 dual cross-type AF points, 61 AF points at f/8 | 61 (Area AF Ellipse); 61 points selectable, 41 cross-type points (lens dependent) 5 diagonal cross-type points, AI Servo AF III | 11; 1 Center Cross-type point; 11 point selectable (manually-selected AF point position used in horizontal/vertical shooting can be set separately) |
| **ISO Range** (Standard output sensitivity. Recommended exposure index.) | (Still) ISO 100–51200, L: 50, H1: 102400, H2: 204800, H3: 409600<br>(Video) ISO 100–25600, H: 51200, H1: 102400, H2: 204800 | (Still) ISO 100–6400, L:50, H: 12800<br>(Video) ISO 100–6400, H: 12800 | (Still) ISO 100–6400, L:50, H: 12800<br>(Video) ISO 100–6400, H: 12800 | (Still) ISO 100–32000, L: 50, H1: 51200, H2: 102400<br>(4K Video) ISO 100–12800, H: 16000/20000/25600/32000, H1: 51200<br>(Full HD Video) ISO 100–25600, H: 32000, H1: 51200 | (Still) ISO 100–25600, L: 50, H1: 51200, H2: 102400<br>(Video) ISO 100–12800, H: 25600 | (Still) ISO 100–25600, L: 50, H1: 51200, H2: 102400<br>(Video) ISO 100–12800, H: 25600 |
| **Recording Media** | CF Card (Type 1, UDMA 7 supported) and CFast™ Card (CFast 2.0™ supported) | 1 UDMA CF/CF Card (Type I) and 1 SD/SDHC/SDXC (UHS-I Compatible) Memory Cards | 1 UDMA CF/CF Card (Type I) and 1 SD/SDHC/SDXC (UHS-I Compatible) Memory Cards | CF Card (Type 1, UDMA 7 supported), SD/SDHC/SDXC (UHS-I compatible) Memory Cards | 1 UDMA CF/CF Card (Type I ) and 1 SD/SDHC/SDXC Memory Card | SD/SDHC/SDXC (UHS-I Compatible) Memory Cards |
| **Maximum Frames Per Second** | Single, 14 fps**, 16 fps** in Live View Mode, 5 fps in Silent High-speed Continuous Shooting | Single, 5.0 fps, 3.0 fps | Single, 5.0 fps, 3.0 fps | Single, 7.0 fps**, 3.0 fps (low-speed and silent continuous) | Single, 3.0 fps, 6.0 fps | Single and 4.5 fps |
| **Shutter Speeds** | 30–1/8000 sec. & Bulb; manually settable in 1/3-, 1/2- or 1-stop increments | 30–1/8000 sec. & Bulb; manually settable in 1/3- or1/2-stop increments | 30–1/8000 sec. & Bulb; manually settable in 1/3- or1/2-stop increments | 30–1/8000 sec. & Bulb; manually settable in 1/3-, 1/2- or 1-stop increments | 30–1/8,000 sec. & Bulb; manually settable in 1/3- or 1-stop increments | 30–1/4000 sec. & Bulb, manually settable in 1/3- or 1/2-stop increments |
| **Autofocus Sensitivity** | Center AF Point: EV -3–18 (at ISO 100 with f/2.8 lens) | Center AF point: EV -2 to 18 (at ISO 100, f/2.8); Four AF points (top/bottom center focusing; EV -1 to 18 (at ISO 100, f/2.8); Center AF Point: EV -1 to 18 (at ISO 100, f/5.6); Peripheral AF points: EV +0.5 to 18 (at ISO 100, f/5.6) | Center AF point: EV -2 to 18 (at ISO 100, f/2.8); Four AF points (top/bottom center focusing; EV -1 to 18 (at ISO 100, f/2.8); Center AF Point: EV -1 to 18 (at ISO 100, f/5.6); Peripheral AF points: EV +0.5 to 18 (at ISO 100, f/5.6) | Center AF Point: EV -3–18 (at ISO 100 with f/2.8 lens) | EV -2 to 18 (at ISO 100 with f/1.4 lens) | Center AF Point: EV -3 to 18 (at ISO 100)<br>Other AF Points: EV -0.5 to 18 (at ISO 100) |
| **Autofocus Auxiliary Light Built-in** | – | – | – | – | – | – |
| **Shutter** | Vertical-travel, mechanical, focal-plane shutter with all speeds electronically controlled | Vertical-travel, mechanical, focal-plane shutter with all speeds electronically controlled | Vertical-travel, mechanical, focal-plane shutter with all speeds electronically-controlled | Vertical-travel, mechanical, focal-plane shutter with all speeds electronically controlled | Vertical-travel, focal-plane shutter with soft-touch electromagnetic release, all speeds electronically controlled | Vertical-travel, mechanical, focal-plane shutter with all speeds electronically controlled |
| **Maximum Flash Synchronization Speed** | Up to 1/250 sec. | Up to 1/200 sec.; high-speed sync. Available with EX-series Speedlite flashes | Up to 1/200 sec.; high-speed sync. Available with EX-series Speedlite flashes | Up to 1/200 sec.; high-speed sync. available with all EX-series Speedlite flashes. | Up to 1/200 sec.; high-speed sync. available with EX-series Speedlite flashes | Up to 1/180 sec.; high-speed sync. available with EX-series Speedlite flashes |
| **Metering System** | TTL full-aperture metering:<br>• 216-zone Evaluative metering<br>• Approx. 6.2% Partial metering<br>• Approx. 1.5% Spot metering<br>• Center spot metering<br>• AF point-linked spot metering<br>• Multi-spot metering<br>• Center-weighted average metering | TTL full-aperture metering:<br>• 252-zone Evaluative metering<br>• 6.1% Partial metering<br>• 1.3% Spot metering<br>• Center-weighted average metering | TTL full-aperture metering:<br>• 252-zone Evaluative metering<br>• 6.1% Partial metering<br>• 1.3% Spot metering<br>• Center-weighted average metering | TTL full-aperture metering:<br>• 315-zone Evaluative metering<br>• Approx. 6.3% Partial metering<br>• Approx. 2.7% Spot metering<br>• Center-weighted average metering | TTL full-aperture metering:<br>• 63-zone Evaluative metering<br>• 7.2% Partial metering<br>• 1.5% Spot metering (Center Point)<br>• Center-Weighted average metering | TTL full-aperture metering:<br>• 63-zone Evaluative metering<br>• Approx. 8% Partial metering<br>• Approx. 3.5% Spot metering<br>• Center-weighted average metering |
| **Metering Sensitivity** | EV 0–20 (at 73°F/23°C, ISO 100, with evaluative metering) | EV 0–20 (at ISO 100) | EV 0–20 (at ISO 100) | EV 0–20 (at 73°F/23°C, ISO 100) | EV 0–20 for all patterns (at ISO 100 with f/1.4 lens) | EV 0–20 (at ISO 100 with f/1.4 lens) |
| **Exposure Compensation** | Manual: ±5 stops in 1/3-stop or 1/2-stop increments; AEB: ±3 stops in 1/3-stop or 1/2-stop increments | ±5 stops in 1/3- or 1/2-stop increments | ±5 stops in 1/3- or 1/2-stop increments | Manual: ±5 stops in 1/3-stop or 1/2-stop increments; AEB: ±3 stops in 1/3-stop or 1/2-stop increments | ±5 stops in 1/3- or 1/2-stop increments | ±5 stops in 1/3- or 1/2-stop increments |
| **Flash Exposure Compensation** | Up to ±3 stops in 1/3-stop or 1/2-stop increments | ±3 stops in 1/3-stop or 1/2-stop increments | ±3 stops in 1/3-stop or 1/2-stop increments | Up to ±3 stops in 1/3-stop or 1/2-stop increments | ±3 stops in 1/3- or 1/2-stop increments | ±3 stops in 1/3- or 1/2-stop increments |
| **AE Lock** | Yes | Yes | Yes | Yes | Yes | Yes |
| **Exposure Modes** | • Program AE (shiftable)<br>• Shutter Speed-priority AE (Safety shift possible)<br>• Aperture-priority AE (Safety shift possible)<br>• Manual Exposure<br>• Bulb<br>• Custom (Three Custom shooting modes) | • Shutter-priority AE<br>• Aperture-priority AE<br>• Program AE (shiftable)<br>• Manual Exposure<br>• Scene Intelligent Auto<br>• Bulb | • Shutter-priority AE<br>• Aperture-priority AE<br>• Program AE (shiftable)<br>• Manual Exposure<br>• Scene Intelligent Auto<br>• Bulb | • Scene Intelligent Auto<br>• Program AE (shiftable)<br>• Shutter Speed-priority AE (Safety shift possible)<br>• Aperture-priority AE (Safety shift possible)<br>• Manual Exposure<br>• Bulb<br>• Custom (Three Custom shooting modes) | • Shutter Speed-priority AE<br>• Aperture-priority AE<br>• Program AE (shiftable)<br>• Manual Exposure<br>• Scene Intelligent Auto<br>• E-TTL II Flash AE<br>• Bulb | • Program AE<br>• Shutter Speed-priority AE<br>• Aperture-priority AE<br>• Manual Exposure<br>• Scene Intelligent Auto<br>• Creative Auto<br>• E-TTL II Flash AE<br>• Bulb |
| **Viewfinder** | Fixed eye-level pentaprism | Fixed eye-level pentaprism | Fixed eye-level pentaprism | Fixed eye-level pentaprism | Fixed eye-level pentaprism | Fixed eye-level pentaprism |
| **Viewfinder Coverage** | Approx. 100% horizontal and vertical at 0.76x | Approx. 100% horizontal and vertical at 0.71x | Approx. 100% horizontal and vertical at 0.71x | Approx. 100% horizontal and vertical at 0.71x | Approx. 100% horizontal and vertical at 0.71x | Approx. 97% horizontal and vertical at 0.71x |
| **Viewfinder Information** | Inside the picture area: Sixty-one focusing points, 1.5% Spot metering circle. Displayed at the bottom and side of the viewing area: Numeric and textual information with 7-segment LCD.<br>• Shutter speed<br>• Aperture value<br>• AE Lock<br>• FE Lock<br>• Shots remaining<br>• Maximum burst<br>• Metering mode<br>• Exposure compensation / Flash compensation<br>• Flash ready / High-speed sync<br>• Highlight Tone Priority (D+)<br>• Focus confirmation<br>• White balance<br>• ISO speed<br>• JPEG indicator<br>• RAW indicator<br>• Battery check<br>• Memory card full warning<br>• Shooting mode<br>• Electronic level (dedicated indicator)<br>• AF status indicator<br>• AF area selection modes<br>• AF point information<br>• Spot metering circle<br>• Grid display<br>• Metering mode<br>• Drive mode<br>• AF operation<br>• Flicker detection<br>• Warning symbol | Inside the picture area: Sixty-one focusing points, 1.3% Spot metering circle. Displayed at the bottom of the viewing area: Numeric and textual information with 7-segment LCD<br>• Shutter speed<br>• Aperture value<br>• AE Lock<br>• FE Lock<br>• Shots remaining<br>• Maximum burst<br>• Multi-spot readings<br>• Metering Pattern<br>• Manual Exposure level<br>• Exposure compensation / Flash compensation<br>• Exposure bracketing<br>• Flash ready / Hi-speed sync<br>• Highlight Tone Priority (D+)<br>• Focus confirmation<br>• White Balance +/–<br>• ISO speed<br>• JPEG indicator<br>• RAW indicator<br>• Battery check<br>• Memory card full warning<br>• Shooting Mode<br>• Electronic Level<br>• AF Indicator | Inside the picture area: Sixty-one focusing points, 1.3% Spot metering circle. Displayed at the bottom of the viewing area: Numeric and textual information with 7-segment LCD<br>• Shutter speed<br>• Aperture value<br>• AE Lock<br>• FE Lock<br>• Shots remaining<br>• Maximum burst<br>• Multi-spot readings<br>• Metering Pattern<br>• Manual Exposure level<br>• Exposure compensation / Flash compensation<br>• Exposure bracketing<br>• Flash ready / Hi-speed sync<br>• Highlight Tone Priority (D+)<br>• Focus confirmation<br>• White Balance +/–<br>• ISO speed<br>• JPEG indicator<br>• RAW indicator<br>• Battery check<br>• Memory card full warning<br>• Shooting Mode<br>• Electronic Level<br>• AF Indicator | Inside the picture area: Sixty-one focusing points, 1.3% Spot metering circle. Displayed at the bottom of the viewing area: Numeric and textual information with 7-segment LCD<br>• Shutter speed<br>• Aperture value<br>• AE Lock<br>• FE Lock<br>• Shots remaining<br>• Maximum burst<br>• Metering mode<br>• Exposure compensation / Flash compensation<br>• Flash ready / High-speed sync<br>• Highlight Tone Priority (D+)<br>• Focus confirmation<br>• White balance<br>• ISO speed<br>• JPEG indicator<br>• RAW indicator<br>• Battery check<br>• Memory card full warning<br>• Electronic level (dedicated indicator)<br>• AF status indicator<br>• AF area selection modes<br>• AF point information<br>• Spot metering circle<br>• Grid display<br>• Drive mode<br>• AF operation<br>• Flicker detection<br>• Warning symbol<br>• Digital Lens Optimizer<br>• Dual Pixel RAW shooting | Inside the picture area: Sixty-one focusing points, 1.5% Spot metering circle. Displayed at the bottom of the viewing area: Numeric and textual information with 7-segment LCD<br>• Shutter speed<br>• Aperture value<br>• AE Lock<br>• FE Lock<br>• Shots remaining<br>• Maximum burst<br>• Multi-spot readings<br>• Metering Pattern<br>• Manual Exposure level<br>• Exposure compensation / Flash compensation<br>• Exposure bracketing<br>• Flash ready / Hi-speed sync<br>• Highlight Tone Priority (D+)<br>• Focus confirmation<br>• White Balance +/–<br>• ISO speed<br>• JPEG indicator<br>• RAW indicator<br>• Battery check<br>• Memory card full warning<br>• Shooting Mode<br>• Electronic Level<br>• AF Indicator | Inside the picture area: Eleven focusing points, 3.5% Spot metering circle. Numeric and textual information with 7-segment LCD<br>• Shutter speed<br>• Aperture value<br>• AE lock<br>• FE lock<br>• Maximum burst<br>• Exposure level / Exposure Warning<br>• Flash Exposure compensation<br>• Flash ready / High-speed sync<br>• Highlight Tone Priority (D+)<br>• Focus Confirmation<br>• White Balance + / –<br>• ISO Speed<br>• JPEG indicator<br>• RAW indicator<br>• Battery Check<br>• Memory card full warning<br>• Shooting Mode<br>• Electronic Level (Horizontal only) |
| **Focusing Screens** | Intelligent Viewfinder II with adaptable LCD overlay displaying Compositional Grid, AF Selection Modes, AF Points, Area AF Frame and Spot Metering Circle; focusing screen Ec-C6 provided, can be changed to Ec-A, B or L | Intelligent Viewfinder with adaptable LCD overlay displaying Electronic Level (non-interchangeable) | Intelligent Viewfinder with adaptable LCD overlay displaying Electronic Level (non-interchangeable) | Intelligent Viewfinder II with adaptable LCD overlay displaying Electronic Level (non-interchangeable) | Intelligent Viewfinder with adaptable LCD overlay displaying Dual Axis Electronic Level (Non-interchangeable) | Standard screen Eg-A II. Interchangeable with precision laser-matte with grid Eg-D and super precision laser-matte Eg-S; incompatible with Eg-A |
| **Self-Timer** | Electronically controlled with 2- or 10-second delay | Electronically controlled with 2- or 10-second delay | Electronically controlled with 2- or 10-second delay | Electronically controlled with 2- or 10-second delay | Electronically controlled with 2- or 10-second delay | Electronically controlled with 2- or 10-second delay |
| **Body Dimensions (W x H x D)** | Approx. 6.2 x 6.6 x 3.3 in. / 158.0 x 167.6 x 82.6mm | Approx. 6.0 x 4.6 x 3.0 in. / 152.0 x 116.4. x 76.4mm | Approx. 6.0 x 4.6 x 3.0 in. / 152.0 x 116.4. x 76.4mm | Approx. 5.9 x 4.6 x 3.0 in. / 150.7 x 116.4 x 75.9mm | Approx. 6.0 x 4.6 x 3.0 in. / 152 x 116.4 x 76.4mm | Approx. 5.7 x 4.4 x 2.8 in. / 144.5 x 110.5 x 71.2mm |
| **Weight (CIPA standards)** | Approx. 54.0 oz. / 1530g | Approx. 32.8 oz. / 930g | Approx. 32.8 oz. / 930g | Approx. 31.4 oz. / 890g | Approx. 33.5 oz. / 950g | Approx. 26.7 oz. / 755g |

** Saving a still image from a single movie frame does not result in the same image quality as a normal still image. ** Continuous shooting speed may vary depending on the shutter speed, the aperture, the lens being used, the battery charge and various camera settings. † In certain countries and regions, the use of GPS may be restricted. Therefore be sure to use GPS in accordance with the laws and regulations of your country or region. Be particularly careful when traveling outside your home country. As a signal is received from GPS satellites, take sufficient measures when using in locations where the use of electronics is regulated. †† The possibility of moiré and color artifacts is greater due to the LPF cancellation function. # Except when using the Canon EF 50mm f/2.5 Macro, EF 100mm f/2.8 Macro, EF 100mm f/2.8 Macro USM, EF 100mm f/2.8L Macro IS USM and EF 28-80mm f/2.8-4L USM lenses.*

*^ Compatible with iOS® versions 8.0/8.1/8.2/8.3/8.4/9.0/9.1/9.2/9.3, Android™smartphone and tablet versions 4.1/4.2/4.3/4.4/5.0/5.1/6.0. Data charges may apply with the download of the free Canon Camera Connect app. This app helps enable you to upload images to social media services. Please note that image files may contain personally identifiable information that may implicate privacy laws. Canon disclaims and has no responsibility for your use of such images. Canon does not obtain, collect or use such images or any information included in such images through this app. ^^ Compatible with Android™ smartphone and tablet versions 4.0/4.1/4.2/4.3/4.4/5.0/5.1/6.0. ## 4K requires the following write speed requirements: CF UDMA7 (100MB/sec. or faster); SD UHS-I (90MB/sec. or higher).*

## EOS Camera Comparison Chart

| | EOS 7D Mark II | EOS 80D | EOS 70D | EOS Rebel T6s | EOS Rebel T6i | EOS Rebel T5i |
|---|---|---|---|---|---|---|
| **Autofocus System** | TTL secondary image-forming phase-difference detection system with AF-dedicated CMOS sensor; Automatic or manual focus point selection | TTL secondary image-forming phase-difference detection system with AF-dedicated CMOS sensor that has max. 45 points (all points are cross-type); One-Shot, AI Servo AF II and AI Focus AF; Manual focusing confirmation possible with EF and EF-S lenses; Automatic or manual point selection | TTL-CT-SIR AF CMOS Sensor (all points are cross-type); One-Shot and AI Servo AF with Focus Prediction; AI Focus AF; Manual focusing confirmation possible with EF and EF-S lenses; Automatic or manual point selection | TTL-CT-SIR AF CMOS sensor (all points are cross-type); One-Shot and AI Servo AF with Focus Prediction; AI Focus AF; Manual Focusing confirmation possible with EF and EF-SE Lenses; Automatic or manual focus point selection | TTL-CT-SIR AF CMOS sensor (all points are cross-type); One-Shot and AI Servo AF with Focus Prediction; AI Focus AF; Manual Focusing confirmation possible with EF and EF-SE Lenses; Automatic or manual focus point selection | TTL-CT-SIR AF CMOS Sensor (all points are cross-type); One-Shot and AI Servo AF with Focus Prediction; AI Focus AF; Manual Focusing confirmation possible with EF and EF-S lenses; Automatic or manual point selection |
| **Image Processor / Image Sensor** | Dual DIGIC 6 / 22.4 x 15.0mm, Single-plate CMOS Sensor with Auto Sensor Cleaning | DIGIC 6 / 22.3 x 14.9mm, Single-plate CMOS sensor with Auto Sensor Cleaning | DIGIC 5+ / 22.4 x 15.0mm, Single-plate CMOS sensor with Auto Sensor Cleaning | DIGIC 6 / 22.3 x 14.9mm, Single-plate CMOS sensor with Auto Sensor Cleaning | DIGIC 6 / 22.3 x 14.9mm, Single-plate CMOS sensor with Auto Sensor Cleaning | DIGIC 5 / 22.3 x 14.9mm, Single-plate CMOS sensor with Auto Sensor Cleaning |
| **Crop Factor** | 1.6x (APS-C) | 1.6x (APS-C) | 1.6x (APS-C) | 1.6x (APS-C) | 1.6x (APS-C) | 1.6x (APS-C) |
| **Special Features** | • 20.2 Megapixel CMOS sensor<br>• Built-in 3.0" Clear View II LCD monitor (approx. 1,040,000 dots)<br>• Built-in GPS technology†<br>• 18 custom functions in 5 groups<br>• Dual Pixel CMOS AF<br>• Simultaneous RAW + JPEG image capture<br>• Intelligent Viewfinder II Display<br>• Multiple Aspect Ratios<br>• FE Lock<br>• Feature Guide<br>• Basic+<br>• High Dynamic Range<br>• Multiple Exposures<br>• Creative Filters with real-time display<br>• Full HD Video Movie Servo AF<br>• All-I or IPB Compression<br>• EOS Scene Detection Technology, Scene Intelligent Auto and Picture Style Auto<br>• Dioptric adjustment<br>• In-camera RAW processing<br>• Star Rating System<br>• USB 3.0 SuperSpeed compatible<br>• Lens Aberration Correction<br>• Dual card slots for CF and SD cards<br>• EOS iTR AF with 150,000-pixel RGB+IR metering sensor<br>• Digital Compass | • 24.2 Megapixel CMOS Sensor<br>• Built-in Vari-angle Touch Screen 3.0" Clear View LCD II monitor (approx. 1,040,000 dots)<br>• 26 Custom Functions in 65 Settings<br>• Dual Pixel CMOS AF<br>• Simultaneous RAW + JPEG Image Capture<br>• Multiple Aspect Ratios<br>• FE Lock<br>• Feature Guide<br>• Multi-shot Noise Reduction<br>• High Dynamic Range<br>• Multiple Exposures<br>• Handheld Night Scene mode<br>• HDR Backlight Control mode<br>• Creative Filters with real-time display<br>• All-I or IPB Compression<br>• Dioptric adjustment<br>• In-camera RAW processing<br>• Star rating system<br>• Video Snapshot<br>• USB 2.0 Hi-speed compatible<br>• EOS Scene Detection Technology, Scene Intelligent Auto and Picture Style Auto<br>• Full HD Video with Movie Servo AF<br>• Intelligent Viewfinder<br>• Lens aberration correction<br>• Built-in Wi-Fi®^ and NFC^^ | • 20.2 Megapixel CMOS sensor<br>• Built-in Vari-angle Touch Screen 3.0" Clear View LCD II monitor (approx. 1,040,000 dots)<br>• Built-in wireless technology<br>• 23 custom functions in 4 groups<br>• Dual Pixel CMOS AF<br>• Simultaneous RAW + JPEG image capture<br>• Intelligent Viewfinder Display<br>• Multiple Aspect Ratios<br>• FE Lock<br>• Feature Guide<br>• Basic+<br>• Multi-shot Noise Reduction<br>• High Dynamic Range<br>• Multiple Exposures<br>• Handheld Night Scene mode<br>• HDR Backlight Control mode<br>• Creative Filters with real-time display<br>• All-I or IPB Compression<br>• Dioptric adjustment<br>• In-camera RAW processing<br>• Star Rating System<br>• Video Snapshot<br>• USB 2.0 Hi-speed compatible<br>• Lens Aberration Correction | • 24.2 Megapixel CMOS sensor<br>• Built-in Vari-angle Touch Screen 3.0" Clear View LCD II monitor (approx. 1,040,000 dots)<br>• 14 Custom Functions in 41 Settings<br>• Quick Control Dial<br>• Top LCD panel<br>• Hybrid CMOS AF III<br>• Simultaneous RAW + JPEG image capture<br>• FE Lock<br>• Mirror Lock<br>• Feature Guide<br>• Basic+<br>• Multi-shot Noise Reduction<br>• Creative Filters with real-time display<br>• HDR Backlight Control mode<br>• HDR Movie<br>• Handheld Night Scene mode<br>• Full HD Video with Movie Servo AF<br>• EOS Scene Detection Technology<br>• Scene Intelligent Auto and<br>• Picture Style Auto<br>• Dioptric Adjustment<br>• Multiple Aspect Ratios<br>• Video Snapshot<br>• USB 2.0 Hi-Speed Compatible<br>• Built-in Flash with Speedlite Transmitter<br>• Lens Aberration Correction<br>• Built-in Wi-Fi®^ and NFC^^<br>• Anti-flicker feature | • 24.2 Megapixel CMOS sensor<br>• Built-in Vari-angle Touch Screen 3.0" Clear View LCD II monitor (approx. 1,040,000 dots)<br>• 13 Custom Functions in 39 Settings<br>• Hybrid CMOS AF III<br>• Simultaneous RAW + JPEG image capture<br>• FE Lock<br>• Mirror Lock<br>• Feature Guide<br>• Basic+<br>• Multi-shot Noise Reduction<br>• Creative Filters with real-time display<br>• HDR Backlight Control mode<br>• Handheld Night Scene mode<br>• Full HD Video with Movie Servo AF<br>• EOS Scene Detection Technology<br>• Scene Intelligent Auto and<br>• Picture Style Auto<br>• Dioptric Adjustment<br>• Multiple Aspect Ratios<br>• Video Snapshot<br>• USB 2.0 Hi-Speed Compatible<br>• Built-in Flash with Speedlite Transmitter<br>• Lens Aberration Correction<br>• Built-in Wi-Fi®^ and NFC^^<br>• Anti-flicker feature | • 18.0 Megapixel CMOS sensor<br>• Built-in Vari-angle Touch Screen 3.0" Clear View LCD II monitor (approx. 1,040,000 dots)<br>• 8 Custom Functions with 24 settings<br>• Hybrid CMOS AF<br>• Simultaneous RAW + JPEG image capture<br>• FE Lock<br>• Mirror Lock<br>• Feature Guide<br>• Basic+<br>• Multi-shot Noise Reduction<br>• Creative Filters with real-time display<br>• HDR Backlight Control mode<br>• Handheld Night Scene mode<br>• Full HD Video with Movie Servo AF<br>• EOS Scene Detection Technology, Scene Intelligent Auto and Picture Style Auto<br>• Dioptric Adjustment<br>• Multiple Aspect Ratios<br>• Video Snapshot<br>• USB 2.0 Hi-Speed Compatible<br>• Built-in Flash with Speedlite Transmitter<br>• Lens Aberration Correction |
| **Video Recording Size** | 1920 x 1080 (Full HD): 60p (59.94) / 50 p / 30p (29.97) / 25p / 24p (23.98), 1280 x 720 (HD): 60p (59.94) / 50p, 640 x 480 (SD): 30p (29.97) / 25p | 1920 x 1080 (Full HD): 60p (59.94) / 30p (29.97) / 24p (23.98), 1280 x 720 (HD): 60p (59.94) / 30p (29.98) | 1920 x 1080 (Full HD): 30p (29.97) / 25p / 24p (23.976), 1280 x 720 (HD): 60p (59.94) / 50p, 640 x 480 (SD): 30p (29.97) / 25p | 1920 x 1080 (Full HD): 30p (29.97) / 25p / 24p (23.976), 1280 x 720 (HD): 60p (59.94) /50p, 640 x 480 (SD): 30p (29.97) / 25p | 1920 x 1080 (Full HD): 30p (29.97) / 25p / 24p (23.976), 1280 x 720 (HD): 60p (59.94) /50p, 640 x 480 (SD): 30p (29.97) / 25p | 1920 x 1080 (Full HD): 30p (29.97) / 25p / 24p (23.976), 1280 x 720 (HD): 60p (59.94) / 50p, 640 x 480 (SD): 30p (29.97) / 25p |
| **Number of Focusing Points** | 65◊; Each AF point has cross-type sensors; Center AF point is dual high-precision cross-type sensor with f/2.8 or faster lenses | 45◊◊; Each point has cross-type sensors; Center AF point has additional high-precision, dual cross-type sensor with f/2.8 or faster lenses | 19; Each point has cross-type sensors; Center AF point has additional high-precision, dual cross-type sensor with f/2.8 or faster lenses | 19; Each point has cross-type sensors; Center AF point has additional high-precision dual cross-type sensor with f/2.8 or faster lenses | 19; Each point has cross-type sensors; Center AF point has additional high-precision dual cross-type sensor with f/2.8 or faster lenses | 9; Each point has cross-type sensors; Center AF point has additional high-precision dual cross-type sensor with f/2.8 or faster lenses |
| **ISO Range** (Standard output sensitivity. Recommended exposure index.) | (Still) ISO 100–16000, H1: 25600, H2: 51200<br>(Video) ISO 100–16000, H: 25600 | (Still) ISO 100–16000, H: 25600<br>(Video) ISO 100–12800, H: 25600 | (Still) ISO 100–12800, H: 25600<br>(Video) ISO 100–6400, H: 12800 | (Still) ISO 100–12800, H: 25600<br>(Video) ISO 100–6400, H: 12800 | (Still) ISO 100–12800, H: 25600<br>(Video) ISO 100–6400, H: 12800 | (Still) ISO 100–12800, H: 25600<br>(Video) ISO 100–6400, H: 12800 |
| **Recording Media** | CF Card (Type I); Compatible with UDMA CF cards; SD, SDHC, and SDXC Memory Cards | SD/SDHC/SDXC (UHS-I and Eye-Fi Compatible) Memory Cards | SD/SDHC/SDXC (UHS-I Compatible) Memory Cards | SD/SDHC/SDXC (UHS-I Compatible) Memory Cards | SD/SDHC/SDXC (UHS-I Compatible) Memory Cards | SD/SDHC/SDXC (UHS-I Compatible) Memory Cards |
| **Maximum Frames Per Second** | Single, 10.0 fps, 3.0 fps (low-speed), 4.0 fps (silent continuous) | Single and 7.0 fps | Single and 7.0 fps | Single, 5.0 fps, 3.0 fps | Single, 5.0 fps, 3.0 fps | Single and 5.0 fps |
| **Shutter Speeds** | 30–1/8000 sec. & Bulb, manually settable in 1/3- or 1/2-stop increments | 30–1/8000 sec. & Bulb, manually settable in 1/3- or 1/2-stop increments | 30–1/8000 sec. & Bulb, manually settable in 1/3- or 1/2-stop increments | 30–1/4000 sec. & Bulb, manually settable in 1/3- or 1/2 stop increments | 30–1/4000 sec. & Bulb, manually settable in 1/3- or 1/2 stop increments | 30–1/4000 sec. & Bulb, manually settable in 1/3- or 1/2-stop increments |
| **Autofocus Sensitivity** | Center AF Point: EV -3 to 18 (at ISO 100)<br>Other AF Points: EV -0.5 to 18 (at ISO 100) | Center AF point f/2.8: EV -3 to 18 (at ISO 100, f/2.8) | Center AF point: EV -0.5 to 18 (at ISO 100)<br>Other AF points: EV 0 to 18 (at ISO 100) | Single, Center point: EV -0.5 to 18 (at ISO 100)<br>Other AF points: EV 0 to 18 (at ISO 100) | Single, Center point: EV -0.5 to 18 (at ISO 100)<br>Other AF points: EV 0 to 18 (at ISO 100) | EV -0.5 to 18 (at ISO 100) |
| **Autofocus Auxiliary Light Built-in** | Yes (via built-in flash) | Yes (via built-in flash) | Yes (via built-in flash) | Yes (via built-in flash) | Yes (via built-in flash) | Yes (via built-in flash) |
| **Shutter** | Vertical-travel, mechanical, focal-plane shutter with all speeds electronically controlled | Vertical-travel, mechanical, focal-plane shutter with all speeds electronically controlled | Vertical-travel, mechanical, focal-plane shutter with all speeds electronically-controlled | Vertical-travel, mechanical, focal-plane shutter with all speeds electronically-controlled | Vertical-travel, mechanical, focal-plane shutter with all speeds electronically-controlled | Vertical-travel, mechanical, focal-plane shutter with all speeds electronically-controlled |
| **Maximum Flash Synchronization Speed** | Up to 1/250 sec.; high-speed sync. available with EX-series Speedlite flashes | Up to 1/250 sec.; high-speed sync. available with EX-series Speedlite flashes | Up to 1/250 sec.; high-speed sync. available with EX-series Speedlite flashes | Up to 1/200 sec.; high-speed sync. Available with EX-series Speedlite Flashes | Up to 1/200 sec.; high-speed sync. Available with EX-series Speedlite Flashes | Up to 1/200 sec.; high-speed sync. available with EX-series Speedlite flashes |
| **Metering System** | TTL full aperture metering:<br>• 252-zone Evaluative metering<br>• 6% Partial metering<br>• 1.8% Spot metering<br>• Center-weighted average metering | TTL full-aperture metering:<br>• 63-zone Evaluative metering<br>• Approx. 6.0% Partial metering<br>• Approx. 3.8% Spot metering<br>• Center-weighted average metering | TTL full-aperture metering:<br>• 63-zone Evaluative metering<br>• Approx. 7.7% Partial metering<br>• Approx. 3.0% Spot metering<br>• Center-weighted average metering | TTL full-aperture metering:<br>• 63-zone Evaluative metering<br>• 6.0% Partial metering<br>• 3.5% Spot metering<br>• Center-weighted average metering | TTL full-aperture metering:<br>• 63-zone Evaluative metering<br>• 6.0% Partial metering<br>• 3.5% Spot metering<br>• Center-weighted average metering | TTL full-aperture metering:<br>• 63-zone Evaluative metering<br>• Approx. 9% Partial metering<br>• Approx. 4% Spot metering<br>• Center-weighted average metering |
| **Metering Sensitivity** | EV 0–20 (with evaluative metering at ISO 100) | EV 1–20 (ISO 100, with evaluative metering) | EV 0–20 (at ISO 100 with f/1.4 lens) | EV 1–20 (at ISO 100) | EV 1–20 (at ISO 100) | EV 1–20 (at ISO 100 with f/1.8 lens) |
| **Exposure Compensation** | ±5 stops in 1/3- or 1/2-stop increments | Manual: ±5 stops in 1/3-stop or 1/2-stop increments; AEB: ±3 stops in 1/3-stop or 1/2-stop increments | ±5 stops in 1/3- or 1/2-stop increments | ±5 stops in 1/3-stop or 1/2-stop increments | ±5 stops in 1/3-stop or 1/2-stop increments | ±5 stops in 1/3- or 1/2-stop increments |
| **Flash Exposure Compensation** | Up to ±3 stops in 1/3- or 1/2-stop increments | Up to ±3 stops in 1/3-stop or 1/2-stop increments | Up to ±3 stops in 1/3- or 1/2-stop increments | Up to ±2 stops in 1/3- or 1/2-stop increments | Up to ±2 stops in 1/3- or 1/2-stop increments | Up to ±2 stops in 1/3- or 1/2-stop increments |
| **AE Lock** | Yes | Yes | Yes | Yes | Yes | Yes |
| **Exposure Modes** | • Scene Intelligent Auto<br>• Program AE (shiftable)<br>• Shutter Speed-priority AE<br>• Aperture-priority AE<br>• Manual Exposure<br>• Bulb | • Program AE (shiftable)<br>• Shutter Speed-priority AE<br>• Aperture-priority AE<br>• Manual Exposure<br>• Bulb<br>• Custom Shooting Mode C1 or C2<br>• Scene Intelligent Auto (Program AE/non-shiftable)<br>• Flash off<br>• Creative Auto<br>• Special Scene<br>• Creative Filters | • Program AE<br>• Shutter Speed-priority AE<br>• Aperture-priority AE<br>• Manual Exposure<br>• Bulb<br>• Custom Shooting mode<br>• Scene Intelligent Auto<br>• Flash Off<br>• Creative Auto<br>• Programmed AE with ambience selection<br>• E-TTL II Flash AE | • Program AE<br>• Shutter Speed-priority AE<br>• Aperture-priority AE<br>• Manual Exposure<br>• Bulb<br>• Automatic depth of field AE<br>• Scene Intelligent Auto<br>• Flash Off<br>• Creative Auto<br>• Programmed AE with ambience selection<br>• E-TTL II Flash AE | • Program AE<br>• Shutter Speed-priority AE<br>• Aperture-priority AE<br>• Manual Exposure<br>• Bulb<br>• Automatic depth of field AE<br>• Scene Intelligent Auto<br>• Flash Off<br>• Creative Auto<br>• Programmed AE with ambience selection<br>• E-TTL II Flash | • Program AE<br>• Shutter Speed-priority AE<br>• Aperture-priority AE<br>• Manual Exposure<br>• Bulb<br>• Automatic depth of field AE<br>• Scene Intelligent Auto<br>• Flash Off<br>• Creative Auto<br>• Programmed AE with ambience selection<br>• E-TTL II Flash AE |
| **Viewfinder** | Fixed eye-level pentaprism | Fixed eye-level pentaprism | Fixed eye-level pentaprism | Fixed eye-level pentamirror | Fixed eye-level pentamirror | Fixed eye-level pentamirror |
| **Viewfinder Coverage** | Approx. 100% horizontal/vertical at 1.0x | Approx. 100% horizontal and vertical at 0.95x | Approx. 98% horizontal and vertical at 0.95x | Approx. 95% horizontal and vertical at 0.82x | Approx. 95% horizontal and vertical at 0.82x | Approx. 95% horizontal/vertical at 0.85x |
| **Viewfinder Information** | Inside the picture area: Sixty-five focusing points, 1.8% Spot metering circle, Compositional Grid. Displayed at the bottom of the viewing area: Numeric and textual information with 7-segment LCD<br>• Shutter speed<br>• Aperture value<br>• ISO speed<br>• AE Lock<br>• FE Lock<br>• Maximum burst<br>• Exposure level<br>• Flash exposure compensation<br>• Flash ready / High-speed sync<br>• Focus confirmation<br>• Highlight Tone Priority (D+)<br>• Red-eye reduction lamp<br>• Battery check<br>• Grid display<br>• AF Status<br>• White Balance<br>• JPEG/RAW<br>• Memory Card Full warning<br>• Electronic level | Inside the picture area: Forty-five focusing points, 3.8% Spot metering circle. Displayed at the bottom and tope of the viewing area: Numeric and textual information with 7-segment LCD.<br>• Shutter speed<br>• Aperture value<br>• AE Lock<br>• FE Lock<br>• Maximum burst<br>• Exposure level<br>• Flash exposure compensation<br>• Flash ready / High-speed sync<br>• Highlight Tone Priority (D+)<br>• Red-eye Reduction Light<br>• AF area selection modes<br>• AF point (focusing point) information<br>• Area AF frame<br>• ISO speed<br>• Battery check<br>• Grid display<br>• Electronic level (Horizontal only)<br>• Spot metering circle<br>• Aspect line (4:3, 16:9, 1:1)<br>• Flicker detection<br>• Warning symbol | Inside the picture area: Nineteen focusing points, 3.0% Spot metering circle. Displayed at the bottom of the viewing area: Numeric and textual information with 7-segment LCD<br>• Shutter speed<br>• Aperture value<br>• AE lock<br>• FE lock<br>• Maximum burst<br>• Exposure level / Exposure Warning<br>• Flash Exposure Compensation<br>• Flash ready / High-speed sync<br>• Highlight Tone Priority (D+)<br>• Red-eye Reduction Light<br>• AF Points<br>• Focus Confirmation<br>• AF Area Selection Mode<br>• ISO Speed<br>• Battery Check<br>• Memory card full warning<br>• Grid Display<br>• Electronic Level (Horizontal only) | Inside the picture area: Nineteen focusing points, 3.5% Spot metering circle. Displayed at the bottom of the viewing area: Numeric and textual information with 7-segment LCD<br>• Shutter speed<br>• Aperture Value<br>• AE Lock<br>• FE Lock<br>• Maximum burst<br>• Exposure Level<br>• Flash Exposure Compensation<br>• Exposure Warning<br>• AF Points<br>• Focus Confirmation<br>• Flash Ready / High-speed Sync<br>• Highlight Tone Priority (D+)<br>• Red-eye Reduction Light<br>• ISO Speed<br>• White Balance Correction<br>• Memory card full warning<br>• Electronic Level (Horizontal only)<br>• Flicker detection | Inside the picture area: Nineteen focusing points, 3.5% Spot metering circle. Displayed at the bottom of the viewing area: Numeric and textual information with 7-segment LCD<br>• Shutter speed<br>• Aperture Value<br>• AE Lock<br>• FE Lock<br>• Maximum burst<br>• Exposure Level<br>• Flash Exposure Compensation<br>• Exposure Warning<br>• AF Points<br>• Focus Confirmation<br>• Flash Ready / High-speed Sync<br>• Highlight Tone Priority (D+)<br>• Red-eye Reduction Light<br>• ISO Speed<br>• White Balance Correction<br>• Memory card full warning<br>• Flicker detection | Inside the picture area: Nine focusing points, 4% Spot metering circle. Displayed at the bottom of the viewing area: Numeric and textual information with 7-segment LCD<br>• Shutter speed<br>• Aperture Value<br>• AE Lock<br>• FE Lock<br>• Maximum burst<br>• Exposure Level<br>• Flash Exposure Compensation<br>• Exposure Warning<br>• AF Points<br>• Focus Confirmation<br>• Flash Ready / High-speed Sync<br>• Highlight Tone Priority (D+)<br>• Red-eye Reduction Light<br>• ISO Speed<br>• White Balance Correction<br>• Monochrome Shooting<br>• Memory card full warning |
| **Focusing Screens** | Interchangeable Eh-A Standard Focusing Screen and Eh-S Super Precision Matte | Intelligent Viewfinder with adaptable LCD overlay displaying Compositional Grid, AF Selection Modes, AF Points, Area AF Frame, Spot Metering Circle, Electronic Level and Warning Symbol; fixed focusing screen | Intelligent Viewfinder with adaptable LCD overlay displaying AF selection Modes, AF points, Compositional Grid, Spot Metering Circle, and Electronic Level; precision laser-matte screen marked with focusing points (non-interchangeable) | Precision laser-matte screen marked with focusing points (non-interchangeable) | Precision laser-matte screen marked with focusing points (non-interchangeable) | Precision laser-matte screen marked with focusing points (Non-interchangeable) |
| **Self-Timer** | Electronically controlled with 2- or 10-second delay | Electronically controlled with 2- or 10-second delay | Electronically controlled with 2- or 10-second delay | Electronically controlled with 2- or 10-second delay | Electronically controlled with 2- or 10-second delay | Electronically controlled with 2- or 10-second delay |
| **Body Dimensions (W x H x D)** | Approx. 5.9 x 4.4 x 3.1 in. / 148.6 x 112.4 x 78.2mm | Approx. 5.5 x 4.1 x 3.1 in. / 139.0 x 105.2 x 78.5mm | Approx. 5.5 x 4.1 x 3.1 in. / 139.0 x 104.3 x 78.5mm | Approx. 5.2 x 4.0 x 3.1 in. / 131.9 x 100.9 x 77.8mm | Approx. 5.2 x 4.0 x 3.1 in. / 131.9 x 100.7 x 77.8mm | Approx. 5.2 x 3.9 x 3.1 in. / 133.1 x 99.8 x 78.8mm |
| **Weight (CIPA standards)** | Approx. 32.1 oz. / 910g | Approx. 25.8 oz. / 730g | Approx. 26.7 oz. / 755g | Approx. 19.9 oz. / 565g | Approx. 19.6 oz. / 555g | Approx. 20.5 oz. / 580g |

*† In certain countries and regions, the use of GPS may be restricted. Therefore be sure to use GPS in accordance with the laws and regulations of your country or region. Be particularly careful when traveling outside your home country. As a signal is received from GPS satellites, take sufficient measures when using in locations where the use of electronics is regulated. ◊ The number of available AF points, and whether single line or cross-type, varies depending on the lens. ◊◊ The number of AF points, cross-type AF points and Dual cross-type AF points vary depending on the lens used.*

*^ Compatible with iOS® versions 8.0/8.1/8.2/8.3/8.4/9.0/9.1/9.2/9.3, Android™smartphone and tablet versions 4.1/4.2/4.3/4.4/5.0/5.1/6.0. Data charges may apply with the download of the free Canon Camera Connect app. This app helps enable you to upload images to social media services. Please note that image files may contain personally identifiable information that may implicate privacy laws. Canon disclaims and has no responsibility for your use of such images. Canon does not obtain, collect or use such images or any information included in such images through this app. ^^ Compatible with Android™ smartphone and tablet versions 4.0/4.1/4.2/4.3/4.4/5.0/5.1/6.0.*

## EOS Camera Comparison Chart

| | EOS Rebel SL1  | EOS Rebel T6 NEW  | EOS Rebel T5  | EOS M5 NEW  | EOS M3  | EOS M10  |
|---|---|---|---|---|---|---|
| **Autofocus System** | TTL-CT-SIR AF CMOS Sensor (only the center point is cross-type); One-Shot and AI Servo AF with Focus Prediction; AI Focus AF; Manual Focusing confirmation possible with EF and EF-S lenses; Automatic or manual point selection | TTL secondary image-forming phase-difference detection system with AF-dedicated senso (only the center point is cross-type); One-Shot and AI Servo with Focus Prediction; AI Focus AF; Manual focusing confirmation possible with EF and EF-S lenses; Automatic or manual point selection | TTL-CT-SIR AF CMOS Sensor (only the center point is cross-type); One-Shot and AI Servo with Focus Prediction; AI Focus AF; Manual focusing confirmation possible with EF and EF-S lenses; Automatic or manual point selection | TTL autofocus; One-Shot and Servo AF; Manual focusing confirmation possible with EF lenses | TTL-CT-SIR AF CMOS Sensor; One Shot and Servo AF; One-Point AF and Face+ Tracking; Continuous AF; Manual Focusing; Automatic or manual point selection | TTL-CT-SIR AF CMOS Sensor; One Shot and Servo AF; One-Point AF and Face+ Tracking; Continuous AF; Manual Focusing; Automatic or manual point selection |
| **Image Processor / Image Sensor** | DIGIC 5 / 22.3 x 14.9mm, Single-plate CMOS sensor with Auto Sensor Cleaning | DIGIC 4+ / 22.3 x 14.9mm, Single-plate CMOS sensor | DIGIC 4 / 22.3 x 14.9mm, Single-plate CMOS Sensor | DIGIC 7 / 22.3 x 14.9mm, Single-plate CMOS sensor | DIGIC 6 / 22.3 x 14.9mm, Single-plate CMOS sensor with Auto Sensor Cleaning | DIGIC 6 / 22.3 x 14.9mm, Single-plate CMOS sensor with Auto Sensor Cleaning |
| **Crop Factor** | 1.6x (APS-C) | 1.6x (APS-C) | 1.6x (APS-C) | 1.6x (APS-C) | 1.6x (APS-C) | 1.6x (APS-C) |
| **Special Features** | • 18.0 Megapixel CMOS sensor<br>• Built-in Touch Screen 3.0" Clear View LCD II monitor (approx. 1,040,000 dots)<br>• 8 Custom Functions with 24 settings<br>• Hybrid CMOS AF II<br>• Simultaneous RAW + JPEG image capture<br>• FE Lock<br>• Mirror Lock<br>• Feature Guide<br>• Basic+<br>• Multi-shot Noise Reduction<br>• Creative Filters with real-time display<br>• Special Scene Modes (HDR Backlight Control, Handheld Night Scene, Night Portrait, Kids, Candlelight, Food)<br>• Full HD Video with Movie Servo AF<br>• EOS Scene Detection Technology, Scene Intelligent Auto and Picture Style Auto<br>• Dioptric Adjustment<br>• Multiple Aspect Ratios<br>• Video Snapshot<br>• USB 2.0 Hi-Speed Compatible<br>• Built-in Flash<br>• Lens Aberration Correction | • 18.0 Megapixel CMOS sensor<br>• Built-in 3.0" LCD monitor (approx. 920,000 dots)<br>• 11 Custom Functions with 33 Settings<br>• Simultaneous RAW + JPEG image capture<br>• Dioptric adjustment<br>• Depth of field preview<br>• FE Lock<br>• Feature Guide<br>• Basic+<br>• Peripheral Illumination Correction<br>• Creative Filters<br>• Full HD Video<br>• EOS Scene Detection Technology, Scene Intelligent Auto and Picture Style Auto<br>• Multiple Aspect Ratios<br>• Video Snapshot<br>• Built-in Flash<br>• USB 2.0 Hi-Speed Compatible<br>• Star rating system<br>• Dust removal feature<br>• Built-in Wi-Fi®^ and NFC^^ | • 18.0 Megapixel CMOS sensor<br>• Built-in 3.0" LCD monitor (approx. 460,000 dots)<br>• 11 Custom Functions with 33 Settings<br>• Simultaneous RAW + JPEG im age capture<br>• FE Lock<br>• Dioptric Adjustment<br>• Feature Guide<br>• Basic+<br>• Peripheral Illumination Correction<br>• Creative Filters<br>• Full HD Video<br>• EOS Scene Detection Technology, Scene Intelligent Auto and Picture Style Auto<br>• Multiple Aspect Ratios<br>• Video Snapshot<br>• Built-in Flash<br>• USB 2.0 Hi-Speed Compatible | • 24.2 Megapixel CMOS sensor<br>• Built-in 3.2" LCD monitor (approx. 1,620,000 dots)<br>• Custom Functions<br>• Dual Pixel CMOS AF<br>• Custom Quick Control Dial<br>• Electronic Level<br>• Simultaneous RAW + JPEG image capture<br>• Depth of field preview<br>• FE Lock<br>• Mirror Lock<br>• In-camera RAW processing<br>• USB 2.0 Hi-Speed compatible<br>• Picture Style (9 settings)<br>• Dust removal feature<br>• Full HD Video with Combination IS<br>• Peripheral illumination correction<br>• Chromatic aberrtion correction<br>• Diffractive blur correction<br>• Built-in Wi-Fi®^, NFC^^ and Bluetooth®^^^ Smart<br>• Built-in EVF (approximately 2.36 million dot OLED)<br>• Time-lapse movie setting | • 24.2 Megapixel CMOS sensor<br>• Built-in Vari-angle Touch Screen 3.0" Clear View LCD II monitor (approx. 1,040,000 dots)<br>• 6 Custom Functions with 15 Settings<br>• Hybrid CMOS AF III<br>• Simultaneous RAW and JPEG Image Capture<br>• FE Lock<br>• Multi-shot Noise Reduction<br>• Creative Assist with real-time display<br>• Special Scene Modes<br>• Basic Zone<br>• Creative Zone<br>• Full HD Video with Movie Servo AF<br>• EOS Scene Detection Technology, Scene Intelligent Auto and Picture Style Auto<br>• Multiple Aspect Ratios<br>• Built-in Flash<br>• Lens Aberration Correction<br>• Built-in Wi-Fi®^ and NFC^^ | • 18.0 Megapixel CMOS sensor<br>• Built-in Tilt-type Touch Screen 3.0" monitor (approx. 1,040,000 dots)<br>• 6 Custom Functions<br>• Hybrid CMOS AF II35<br>• Simultaneous RAW and JPEG Image Capture<br>• FE Lock<br>• Multi-shot Noise Reduction<br>• Creative Assist with real-time display<br>• Self Portrait Mode<br>• Special Scene Modes<br>• Basic Zone<br>• Creative Zone<br>• Full HD Video with Movie Servo AF<br>• EOS Scene Detection Technology, Scene Intelligent Auto and Picture Style Auto<br>• Multiple Aspect Ratios<br>• Built-in Flash<br>• Lens Aberration Correction<br>• Built-in Wi-Fi®^ and NFC^^ |
| **Video Recording Size** | 1920 x 1080 (Full HD): 30p (29.97) / 25p / 24p (23.976), 1280 x 720 (HD): 60p (59.94) / 50p, 640 x 480 (SD): 30p (29.97) / 25p | 1920 x 1080 (Full HD): 30p (29.97) / 23.98p, 1280 x 720 (HD): 60p (59.94), 640 x 480 (SD): 30p (29.97) | 1920 x 1080 (Full HD): 30p (29.97) / 25p / 24p (23.976), 1280 x 720 (HD): 60p (59.94), 50p / 640 x 480 (SD): 30p (29.97), 25p | 1920 x 1080 (Full HD): 60p (59.94) / 30p (29.97) / 24p (23.98) 1280 x 720 (HD): 60p (59.94), 640 x 480 (SD): 30p (29.97) | 1980 x 1080 (Full HD): 30p (29.97) / 24p (23.976), 1280 x 720 (HD): 60p (59.94), 640 x 480 (SD): 30p (29.97) | 1980 x 1080 (Full HD): 30p (29.97) / 24p (23.976), 1280 x 720 (HD): 60p (59.94), 640 x 480 (SD): 30p (29.97) |
| **Number of Focusing Points** | 9; Center AF point is a high precision cross-type, vertical-line sensitive at f/2.8. | 9; Center AF point is cross-type, vertical-line sensitive at f/5.6 | 9; Center AF point is cross-type, vertical-line sensitive at f/5.6. | 49 points | 49; Maximum 49 points with aspect ratio 3:2, 16:9, 4:3, 35 points with aspect ratio 1:1 | 49 |
| **ISO Range** (Standard output sensitivity. Recommended exposure index.) | (Still) ISO 100–12800, H: 25600<br>(Video) ISO 100–6400, H: 12800 | (Still) ISO 100–6400, H: 12800<br>(Video) ISO 100–6400 | (Still) ISO 100–6400, H: 12800<br>(Video) ISO 100–6400 | (Still) ISO 100–25600<br>(Video) ISO 100–6400 | (Still) ISO 100–12800, H: 25600<br>(Video) ISO 100–6400, H: 12800 | (Still) ISO 100–12800, H: 25600<br>(Video) ISO 100–6400, H: 12800 |
| **Recording Media** | SD/SDHC/SDXC (UHS-I Compatible) Memory Cards | SD/SDHC/SDXC Memory Cards | SD/SDHC/SDXC Memory Cards | SD/SDHC/SDXC (UHS-I compatible) Memory Cards | SD/SDHC/SDXC (UHS-I Compatible) Memory Card | SD/SDHC/SDXC (UHS-I Compatible) Memory Card |
| **Maximum Frames Per Second** | Single and 4.0 fps | Single and 3.0 fps | Single and 3.0 fps | Single, 9.0 fps (AF fixed), 7.0 fps (AF tracking) | Single and 4.2 fps‡ (AF fixed) | Single and 4.6 fps‡ (AF fixed) |
| **Shutter Speeds** | 30-1/4000 sec. & Bulb; manually settable in 1/3- or 1/2-stop increments | 30–1/4000 sec. & Bulb; manually settable in 1/3- or 1/2-stop increments | 30–1/4000 sec. & Bulb, manually settable in 1/3- or 1/2-stop increments | 30–1/4000 sec. | 30–1/4000 sec. & Bulb; manually settable in 1/3-stop increments | 30–1/4000 sec.‡‡‡‡ |
| **Autofocus Sensitivity** | Center AF Point: -0.5 to 18 (at ISO 100)<br>Other AF Points: 0.5 to 18 (at ISO 100) | Center AF Point: EV 0 to 18 (at ISO 100)<br>Other AF Points: EV 1 to 18 (at ISO 100) | Center AF Point: EV 0 to 18 (at ISO 100)<br>Other AF Points: EV 1 to 18 (at ISO 100) | EV -1–18 (ISO 100, when using EF-M 22mm f/2 STM) | EV 2–18 (at ISO 100) | EV 1–18 (at ISO 100) |
| **Autofocus Auxiliary Light Built-in** | Yes (via built-in flash) | – | Yes (via built-in flash) | – | Yes (via built-in flash) | Yes (via built-in flash) |
| **Shutter** | Vertical-travel, mechanical, focal-plane shutter with all speeds electronically-controlled | Vertical-travel shutter with electronic first-curtain control and mechanical second-curtain control | Vertical-travel, mechanical, focal-plane shutter with all speeds electronically-controlled | Vertical-travel, mechanical, focal-plane shutter with all speeds electronically controlled | Vertical-travel, mechanical, focal-plane shutter with all speeds electronically-controlled‡‡ | Electronically controlled focal-plane shutter |
| **Maximum Flash Synchronization Speed** | Up to 1/200 sec.; high-speed sync. available with EX-series Speedlite flashes | Up to 1/200 sec.; high-speed sync. available with all EX-series Speedlite flashes except the Speedlite 600 EX-RT | Up to 1/200 sec.; high-speed sync. available with EX-series Speedlite flashes | Up to 1/200 sec.; high-speed sync. available with all EX-series Speedlite flashes | Up to 1/200 sec.; high-speed sync available with EX-series Speedlite flashes | Up to 1/200 sec. |
| **Metering System** | TTL full-aperture metering:<br>• 63-zone Evaluative metering<br>• Approx. 9% Partial metering<br>• Approx. 4% Spot metering<br>• Center-weighted average metering | TTL full-aperture metering:<br>• 315-zone Evaluative metering<br>• Approx. 10% Partial metering<br>• Center-weighted average metering | TTL full-aperture metering:<br>• 63-zone Evaluative metering<br>• Approx. 10% Partial Metering<br>• Center-weighted average metering | Real-time metering using the image sensor<br>• Evaluative metering<br>• Partial metering<br>• Spot metering<br>• Center-weighted average metering | TTL full-aperture metering:<br>• 384-zone Evaluative metering<br>• Approx. 10% Partial metering<br>• Approx. 2% Spot metering<br>• Center-weighted average metering | TTL full-aperture metering:<br>• Evaluative metering<br>• Partial metering<br>• Spot metering<br>• Center-weighted average metering |
| **Metering Sensitivity** | EV 1–20 (at ISO 100 with f/1.8 lens) | EV 1–20 (ISO 100, evaluative metering) | EV 1 – 20 (at ISO 100) | EV 1–20 (ISO 100) | EV 1–20 (at ISO 100) | EV 1–20 (at ISO 100) |
| **Exposure Compensation** | ±5 stops in 1/3- or 1/2-stop increments | Manual: ±5 stops in 1/3-stop or 1/2-stop increments; AEB: ±2 stops in 1/3-stop or 1/2-stop increments | ±5 stops in 1/3- or 1/2-stop increments | Manual: ±3 stops in 1/3-stop increments; AEB: ±2 stops in 1/3-stop increments | ±3 stops in 1/3-stop increments | ±3 stops in 1/3-stop increments |
| **Flash Exposure Compensation** | Up to ±2 stops in 1/3- or 1/2-stop increments | Up to ±2 stops in 1/3-stop or 1/2-stop increments | ±2 stops in 1/3- or 1/2-stop increments | ±2 stops in 1/3-stop increments | ±2 stops in 1/3-stop increments‡‡‡ | ±2 stops in 1/3-stop increments |
| **AE Lock** | Yes | Yes | Yes | Yes | Yes | Yes |
| **Exposure Modes** | • Program AE<br>• Shutter Speed-priority AE<br>• Aperture-priority AE<br>• Manual Exposure<br>• Bulb<br>• Automatic depth of field AE<br>• Scene Intelligent Auto<br>• Flash Off<br>• Creative Auto<br>• Programmed AE with ambience selection<br>• E-TTL II Flash AE | • Program AE (shiftable)<br>• Shutter Speed-priority AE (Safety shift possible)<br>• Aperture-priority AE (Safety shift possible)<br>• Manual Exposure<br>• Bulb<br>• Scene Intelligent Auto<br>• Flash off<br>• Creative Auto<br>• E-TTL II autoflash program AE | • Program AE (shiftable)<br>• Shutter Speed-priority AE<br>• Aperture-priority AE<br>• Manual Exposure<br>• Scene Intelligent Auto<br>• Flash Off<br>• Creative Auto<br>• E-TTL II autoflash program AE | • Program AE<br>• Shutter Speed-priority AE (Safety shift possible)<br>• Aperture-priority AE (Safety shift possible)<br>• Manual Exposure | • Program AE (shiftable)<br>• Shutter Speed-priority AE<br>• Aperture-priority AE<br>• Manual Exposure<br>• Bulb<br>• Custom<br>• Scene Intelligent Auto<br>• Hybrid Auto<br>• Creative Assist<br>• SCN<br>• Creative Filters<br>• E-TTL II autoflash program AE | • Program AE<br>• Shutter Speed-priority AE<br>• Aperture-priority AE<br>• Manual Exposure<br>• Custom<br>• Scene Intelligent Auto<br>• Hybrid Auto<br>• Creative Assist<br>• Self Portrait<br>• SCN<br>• Creative Filters<br>• E-TTL II autoflash program AE |
| **Viewfinder** | Fixed eye-level pentamirror | Fixed eye-level pentamirror | Fixed eye-level pentamirror | Fixed eye-level pentamirror | N/A | N/A |
| **Viewfinder Coverage** | Approx. 95% horizontal/vertical at 0.87x | Approx. 95% horizontal and vertical at 0.8x | Approx. 95% horizontal/vertical at 0.8x | Approx. 100% coverage | N/A | N/A |
| **Viewfinder Information** | Inside the picture area: Nine focusing points, 4% Spot metering circle. Displayed at the bottom of the viewing area: Numeric and textual information with 7-segment LCD<br>• Shutter speed<br>• Aperture Value<br>• AE Lock<br>• FE Lock<br>• Maximum burst<br>• Exposure Level<br>• Flash Exposure Compensation<br>• Exposure Warning<br>• AF Points<br>• Focus Confirmation<br>• Flash Ready / High-speed Sync<br>• Highlight Tone Priority (D+)<br>• Red-eye Reduction Light<br>• ISO Speed<br>• White Balance Correction<br>• Monochrome Shooting<br>• Memory card full warning | Inside the picture area: Nine focusing points. Displayed at the bottom of the viewing area: Numeric and textual information with 7-segment LCD<br>• Shutter speed<br>• Aperture value<br>• AE Lock<br>• FE Lock<br>• Maximum burst<br>• Exposure level<br>• Flash exposure compensation<br>• Exposure warning<br>• AF points<br>• Flash ready / High-speed sync<br>• Focus confirmation<br>• Highlight Tone Priority (D+)<br>• Red-eye Reduction Light<br>• ISO Speed<br>• White Balance Correction | Inside the picture area: Nine focusing points. Displayed at the bottom of the viewing area: Numeric and textual information with 7-segment LCD<br>• Shutter speed<br>• Aperture value<br>• AE Lock<br>• FE Lock<br>• Maximum burst<br>• Exposure Level<br>• Flash Exposure Compensation<br>• Exposure warning<br>• AF points<br>• Flash Ready / High-speed Sync<br>• Focus Confirmation<br>• Highlight Tone Priority (D+)<br>• Red-eye Reduction Light<br>• ISO Speed<br>• White Balance Correction | Inside the picture area: Forty-nine focusing points. Displayed at the bottom of the viewing area: Numeric and textual information with 7-segment LCD<br>• Shutter speed<br>• Aperture value<br>• AE Lock<br>• FE Lock<br>• Maximum burst<br>• Exposure level<br>• Flash exposure compensation<br>• Exposure warning<br>• AF points<br>• Flash ready / High-speed sync<br>• Focus confirmation<br>• Highlight Tone Priority (D+)<br>• Red-eye Reduction Light<br>• ISO speed<br>• White balance correction<br>• Bluetooth | N/A | N/A |
| **Focusing Screens** | Precision laser-matte screen marked with focusing points (Non-interchangeable) | Precision laser-matte screen marked with focusing points (Non-interchangeable) | Precision laser-matte screen marked with focusing points (Non-interchangeable) | Precision laser-matte screen marked with focusing points (Non-interchangeable) | N/A | N/A |
| **Self-Timer** | Electronically controlled with 2- or 10-second delay | Electronically controlled with 2- or 10-second delay | Electronically controlled with 2- or 10-second delay | Electronically controlled with 2- or 10-second delay | Electronically controlled with 2- or 10-second delay | Electronically controlled with 2- or 10-second delay |
| **Body Dimensions (W x H x D)** | Approx. 4.6 x 3.6 x 2.7 in. / 116.8 x 90.7 x 69.4mm | Approx. 5.1 x 4.0 x 3.1 in. / 129.0 x 101.3 x 77.6mm | Approx. 5.1 x 3.9 x 3.1 in. / 129.6 x 99.7 x 77.9mm | Approx. 4.6 x 3.5 x 2.4 in. / 115.6 x 89.2 x 60.6mm | Approx. 4.4 x 2.7 x 1.8 in. / 110.9 x 68.0 x 44.4mm | Approx. 4.3 x 2.6 x 1.4 in. / 108.0 x 66.6 x 35.0mm |
| **Weight (CIPA standards)** | Approx. 14.4 oz. / 407g (Black color), 14.5 oz. / 410g (White color) | Approx. 17.1 oz. / 485g | Approx. 16.9 oz. / 480g | Approx. 15.1 oz. / 427g | Approx. 12.9 oz. / 366g | Approx. 10.6 oz. / 301g |

*^ Compatible with iOS® versions 8.0/8.1/8.2/8.3/8.4/9.0/9.1/9.2/9.3, Android™smartphone and tablet versions 4.1/4.2/4.3/4.4/5.0/5.1/6.0. Data charges may apply with the download of the free Canon Camera Connect app. This app helps enable you to upload images to social media services. Please note that image files may contain personally identifiable information that may implicate privacy laws. Canon disclaims and has no responsibility for your use of such images. Canon does not obtain, collect or use such images or any information included in such images through this app.. ^^ Compatible with Android™ smartphone and tablet versions 4.0/4.1/4.2/4.3/4.4/5.0/5.1/6.0.*

*^^^ Compatible with select smartphone and tablet devices (Android™ version 5.0 or later and the following iOS® devices: iPhone 4s or later, iPad 3rd gen. or later, iPod Touch 5th gen. or later) equipped with Bluetooth® version 4.0 or later and the Camera Connect App Ver. 1.3.20 or above. This application is not guaranteed to operate on all listed devices, even if minimum requirements are met. ‡ Measured at initial settings, shutter speed 1/500 sec. or higher. ‡‡ Electronic 1st curtain and mechanical 2nd curtain (Hybrid Single Blade Shutter) ‡‡‡ Internal/external flash exposure compensation available from camera side. ‡‡‡‡ The minimum shutter speed is limited to 1/30 sec. at 24/25/30 fps or 1/60 sec. at 50/60 fps.*

## Video Recording Size and Time

### EOS-1D X Mark II†,††

| Video Recording Size | Frame Rate | | Total Recording Time 4GB Card | 16GB Card | 64GB Card | File Size |
|---|---|---|---|---|---|---|
| **MOV FORMAT** | | | | | | |
| 4096 x 2160 | 59.94fps | Motion JPEG | 39 sec. | 2 min. | 10 min. | 5733 MB/min. |
| | 29.97fps/24.00fps/23.98 fps | Motion JPEG | 1 min. | 4 min. | 17 min. | 3587 MB/min. |
| 1920 x 1080 | 119.9 fps | All-I | 1 min. | 5 min. | 23 min. | 2585 MB/min. |
| | 59.94fps | All-I | 2 min. | 11 min. | 47 min. | 1298 MB/min. |
| | | IPB | 8 min. | 34 min. | 2 hr. 18 min. | 440 MB/min. |
| | 29.97fps/24.00fps/23.98 fps | All-I | 5 min. | 23 min. | 1 hr. 33 min. | 654 MB/min. |
| | | IPB | 16 min. | 1 hr. 7 min. | 4 hr. 30 min. | 225 MB/min. |
| **MP4 FORMAT** | | | | | | |
| 1920 x 1080 | 59.94fps | IPB | 8 min. | 35 min. | 2 hr. 21 min. | 431 MB/min. |
| | 29.97fps/24.00fps/23.98 fps | IPB | 17 min. | 1 hr. 10 min. | 4 hr. 41 min. | 216 MB/min. |
| | 29.97fps | IPB (Light) | 43 min. | 2 hr. 53 min. | 11 hr. 35 min. | 87 MB/min. |

### EOS 5D Mark IV†,††

| Video Recording Size | Frame Rate | | Total Recording Time 8GB Card | 32GB Card | 128GB Card | File Size |
|---|---|---|---|---|---|---|
| **MOV FORMAT** | | | | | | |
| 4096 x 2160^ | 29.97fps/24.00fps/23.98 fps | Motion JPEG | 2 min. | 8 min. | 34 min. | 3587 MB/min. |
| 1920 x 1080 | 59.94fps | All-I | 5 min. | 23 min. | 1 hr. 34 min. | 1298 MB/min. |
| | | IPB | 17 min. | 1 hr. 09 min. | 4 hr. 37 min. | 440 MB/min. |
| | 29.97fps/24.00fps/23.98 fps | All-I | 11 min. | 46 min. | 3 hr. 06 min. | 654 MB/min. |
| | | IPB | 33 min. | 2 hr. 15 min. | 9 hr. 01 min. | 225 MB/min. |
| 1280 x 720 | 119.9fps | All-I | 6 min. | 26 min. | 1 hr. 45 min. | 1155 MB/min. |
| **MP4 FORMAT** | | | | | | |
| 1920 x 1080 | 59.94fps | IPB | 17 min. | 1 hr. 10 min. | 4 hr. 43 min. | 431 MB/min. |
| | 29.97fps/24.00fps/23.98 fps | IPB | 35 min. | 2 hr. 20 min. | 9 hr. 23 min. | 216 MB/min. |
| | 29.97fps | IPB (Light) | 1 hr. 26 min. | 5 hr. 47 min. | 23 hr. 11 min. | 87 MB/min. |

### EOS 5DS and EOS 5DS R

| Video Recording Size | Frame Rate | | Total Recording Time 4GB Card | 8GB Card | 16GB Card | File Size |
|---|---|---|---|---|---|---|
| **MOV FORMAT** | | | | | | |
| 1920 x 1080 | 30fps/25fps/24fps | All-I | 5 min. | 11 min. | 23 min. | 654 MB/min. |
| | 30fps/25fps/24fps | IPB | 16 min. | 33 min. | 1 hr. 7 min. | 255 MB/min. |
| 1280 x 720 | 60fps/50fps | All-I | 6 min. | 13 min. | 26 min. | 583 MB/min. |
| | 60fps/50fps | IPB | 19 min. | 38 min. | 1 hr. 17 min. | 196 MB/min. |
| 640 x 480 | 30fps/25fps | IPB | 48 min. | 1 hr. 37 min. | 3 hrs. 14 min. | 78 MB/min. |

### EOS 7D Mark II

| | | | | | | |
|---|---|---|---|---|---|---|
| **MOV FORMAT** | | | | | | |
| 1920 x 1080 | 60fps/50fps | IPB | 8 min. | 17 min. | 34 min. | 440 MB/min. |
| | 30fps/25fps/24fps | All-I | 5 min. | 11 min. | 23 min. | 654 MB/min. |
| | 30fps/25fps/24fps | IPB | 16 min. | 33 min. | 1 hr. 7 min. | 255 MB/min. |
| 1280 x 720 | 60fps/50fps | All-I | 6 min. | 13 min. | 23 min. | 583 MB/min. |
| | 60fps/50fps | IPB | 19 min. | 38 min. | 1 hr. 17 min. | 196 MB/min. |
| 640 x 480 | 30fps/25fps | IPB | 50 min. | 1 hr. 41 min. | 3 hrs. 22 min. | 75 MB/min. |
| **MP4 FORMAT** | | | | | | |
| 1920 x 1080 | 60fps/50fps | IPB | 8 min. | 17 min. | 35 min. | 431 MB/min. |
| | 30fps/25fps/24fps | All-I | 5 min. | 11 min. | 23 min. | 645 MB/min. |
| | 30fps/25fps/24fps | IPB | 17 min. | 35 min. | 1 hr. 10 min. | 216 MB/min. |
| | 30fps/25fps | Light (IPB) | 43 min. | 1 hr. 26 min. | 2 hrs. 53 min. | 87 MB/min. |
| 1280 x 720 | 60fps/50fps | All-I | 6 min. | 13 min. | 26 min. | 574 MB/min. |
| | 60fps/50fps | IPB | 20 min. | 40 min. | 1 hr. 21 min. | 187 MB/min. |
| | 30fps/25fps | Light (IPB) | 2 hrs. 5 min. | 4 hrs. 10 min. | 8 hrs. 20 min. | 30 MB/min. |
| 640 x 480 | 30fps/25fps | IPB | 57 min. | 1 hr. 55 min. | 3 hrs. 50 min. | 66 MB/min. |
| | 30fps/25fps | Light (IPB) | 2 hrs. 43 min. | 5 hrs. 26 min. | 10 hrs. 53 min. | 23 MB/min. |

### EOS 5D Mark III, EOS 6D and EOS 70D

| Video Recording Size | Frame Rate | | Total Recording Time 8GB Card | 16GB Card | File Size |
|---|---|---|---|---|---|
| **MOV FORMAT** | | | | | |
| 1920 x 1080 | 30fps | All-I | 11 min. | 22 min. | 685 MB/min. |
| | | IPB | 32 min. | 64 min. | 235 MB/min. |
| | 25fps | All-I | 11 min. | 22 min. | 685 MB/min. |
| | | IPB | 32 min. | 64 min. | 235 MB/min. |
| | 24fps | All-I | 11 min. | 22 min. | 685 MB/min. |
| | | IPB | 32 min. | 64 min. | 235 MB/min. |
| 1280 x 720 | 60fps | All-I | 12 min. | 25 min. | 610 MB/min. |
| | | IPB | 37 min. | 74 min. | 205 MB/min. |
| | 50fps | All-I | 12 min. | 25 min. | 610 MB/min. |
| | | IPB | 37 min. | 74 min. | 205 MB/min. |
| 640 x 480 | 30fps | IPB | 97 min. | 194 min. | 78 MB/min. |
| | 25fps | IPB | 97 min. | 194 min. | 78 MB/min. |

### EOS Rebel T5i, EOS Rebel SL1 and EOS Rebel T5

| | | | | |
|---|---|---|---|---|
| **MOV FORMAT** | | | | |
| 1920 x 1080 | 30fps/25fps/24fps | 22 min. | 44 min. | 330 MB/min. |
| 1280 x 720 | 60fps/50fps | 22 min. | 44 min. | 330 MB/min. |
| 640 x 480 | 30fps/25fps | 1 hr. 32 min. | 3 hrs. 4 min. | 82.5 MB/min. |

### EOS 80D†,††

| Video Recording Size | Frame Rate | | Total Recording Time 4GB Card | 8GB Card | 16GB Card | 32GB Card | 64GB Card | File Size |
|---|---|---|---|---|---|---|---|---|
| **MOV FORMAT** | | | | | | | | |
| 1920 x 1080 | 29.97fps/23.98 fps | All-I | 5 min. | 11 min. | 23 min. | 46 min. | 1 hr. 33 min. | 654 MB/min. |
| **MP4 FORMAT** | | | | | | | | |
| 1920 x 1080 | 59.94fps | IPB | 8 min. | 17 min. | 35 min. | 1 hr. 10 min. | 2 hr. 21 min. | 431 MB/min. |
| | 29.97fps/23.98 fps | IPB | 17 min. | 35 min. | 1 hr. 10 min. | 2 hr. 20 min. | 4 hr. 41 min. | 216 MB/min. |
| | 29.97fps | IPB (Light) | 43 min. | 1 hr. 26 min. | 2 hr. 53 min. | 5 hr. 47 min. | 11 hr. 35 min. | 87 MB/min. |
| 1280 x 720 | 59.94fps | IPB | 20 min. | 40 min. | 1 hr. 21 min. | 2 hr. 41 min. | 5 hr. 24 min. | 184 MB/min. |
| | 29.97fps | IPB (Light) | 2 hr. 5 min. | 4 hr. 10 min. | 8 hr. 20 min. | 16 hr. 41 min. | 33 hr. 22 min. | 30 MB/ min. |
| 1920 x 1080 (HDR Movie Shooting) | 29.97fps | IPB | 17 min. | 35 min. | 1 hr. 10 min. | 2 hr. 20 min. | 4 hr. 41 min. | 216 MB/min. |

### EOS Rebel T6s and EOS Rebel T6i

| Video Recording Size | Frame Rate | | Total Recording Time 4GB Card | 8GB Card | 16GB Card | File Size |
|---|---|---|---|---|---|---|
| **MP4 FORMAT** | | | | | | |
| 1920 x 1080 | 30fps/25fps/24fps | Standard | 17 min. | 35 min. | 1 hr. 10 min. | 216 MB/min. |
| | 30fps/25fps/24fps | Lightweight | 43 min. | 1 hr. 26 min. | 2 hrs. 53 min. | 87 MB/min. |
| 1280 x 720 | 60fps/50fps | Standard | 20 min. | 40 min. | 1 hr. 21 min. | 187 MB/min. |
| | 60fps/50fps | Lightweight | 2 hrs. 5 min. | 4 hrs. 10 min. | 8 hrs. 20 min. | 30 MB/min. |
| 640 x 480 | 30fps/25fps | Standard | 57 min. | 1 hr. 55 min. | 3 hrs. 50 min. | 66 MB/min. |
| | 30fps/25fps | Lightweight | 2 hrs. 43 min. | 5 hrs. 26 min. | 10 hrs. 53 min. | 23 MB/min. |
| 1280 x 720 (HDR Movie Shooting◊) | 30fps/25fps | Standard | 40 min. | 1 hr. 20 min. | 2 hrs. 40 min. | 94 MB/min. |

### EOS Rebel T6†

| Video Recording Size | Frame Rate | Total Recording Time 8GB Card | 16GB Card | 32GB Card | 64GB Card | File Size |
|---|---|---|---|---|---|---|
| **MOV FORMAT** | | | | | | |
| 1920 x 1080 | 30fps | 22 min. | 44 min. | 1 hr. 29 min. | 2 hrs. 59 min. | 340 MB/min. |
| | 24fps | | | | | |
| 1280 x 720 | 60fps | 22 min. | 44 min. | 1 hr. 29 min. | 2 hrs. 59 min. | 340 MB/min. |
| 640 x 480 | 30fps | 1 hr. 25 min. | 2 hrs. 50 min. | 5 hrs. 40 min. | 11 hrs. 20 min. | 90 MB/min. |

### EOS M5†

| Video Recording Size | Frame Rate | Total Recording Time (16GB Card) | File Size |
|---|---|---|---|
| **MOV FORMAT** | | | |
| 1920 x 1080 | 59.94 fps | 59 min. 30 sec. | 4288 KB/sec. |
| | 29.97 fps/23.98 fps | 1 hr. 26 min. 5 sec. | 2945 KB/sec. |
| 1280 x 720 | 59.94 fps | 2 hr. 8 min. 27 sec. | 1969 KB/sec. |
| 640 x 480 | 29.97 fps | 10 hr. 22 min. 35 sec. | 382 KB/sec. |

### EOS M3 and EOS M10†

| | | | |
|---|---|---|---|
| **MP4 FORMAT** | | | |
| 1920 x 1080 | 29.97 fps/23.98 fps††† | 1 hr. 26 min. 5 sec. | 172.6 MB/min. |
| 1280 x 720 | 59.94 fps | 2 hr. 8 min. 27 sec. | 115.4 MB/min. |
| 640 x 480 | 29.97 fps | 10 hr. 22 min. 35 sec. | 22.4 MB/min. |

*† Continuous shooting is possible until the memory card becomes full or the recording length for one movie reaches approx. 29 minutes 59 seconds. †† With MOV and MP4, movie shooting does not stop automatically even if the file size reaches 4GB. ††† Actual frame rate is 23.976 fps. ◊ EOS Rebel T6s only.*

## Image Format and Capacity Chart

### EOS-1D X Mark II*,**

| Image Format | | Recording Resolution | Recording Method | Image File Size (MB) | Recording Capacity (shot) |
|---|---|---|---|---|---|
| JPEG | Large | 5472 x 3648 (Approx. 20.00 MP) | JPEG | 6.2 | 1160 |
| | Medium 1 | 4368 x 2912 (Approx. 12.70 MP) | | 4.3 | 1650 |
| | Medium 2 | 3648 x 2432 (Approx. 8.90 MP) | | 3.4 | 2120 |
| | Small | 2736 x 1824 (Approx. 5.00 MP) | | 2.2 | 3180 |
| RAW | .CR2 | 5472 x 3648 (Approx. 20.00 MP) | Lossless RAW | 23.2 | 300 |
| RAW + JPEG | Large | – | RAW + Separate JPEG File | 23.2 + 6.2 | 230 |
| mRAW | .CR2 | 4104 x 2736 (Approx. 11.20 MP) | Lossless RAW | 18.5 | 370 |
| mRAW + JPEG | Large | – | mRAW + Separate JPEG File | 18.5 + 6.2 | 280 |
| sRAW | .CR2 | 2736 x 1824 (Approx. 5.00 MP) | Lossless RAW | 12.7 | 530 |
| sRAW + JPEG | Large | – | sRAW + Separate JPEG File | 12.7 + 6.2 | 360 |

### EOS 5DS and EOS 5DS R*

| | | | | | |
|---|---|---|---|---|---|
| JPEG | Large/Fine | 8688 x 5792 (Approx. 50.3 MP) | JPEG | 14.1 | 510 |
| | Large/Normal | | | 7.0 | 1030 |
| | Medium 1/Fine | 7680 x 5120 (Approx. 39.3 MP) | | 10.9 | 660 |
| | Medium 1/Normal | | | 5.5 | 1310 |
| | Medium 2/Fine | 5760 x 3840 (Approx. 22.1 MP) | | 7.1 | 1010 |
| | Medium 2/Normal | | | 3.5 | 2030 |
| | Small/Fine | 4320 x 2880 (Approx. 12.4 MP) | | 4.5 | 1590 |
| | Small/Normal | | | 2.3 | 3120 |
| | Small 2 | 1920 x 1280 (Approx. 2.5 MP) | | 1.2 | 5600 |
| | Small 3 | 720 x 480 (Approx. 0.35 MP) | | 0.3 | 20380 |
| RAW | .CR2 | 8688 x 5792 (Approx. 50.3 MP) | Lossless RAW | 60.5 | 100 |
| RAW + JPEG | Large | – | RAW + Separate JPEG File | 60.5+14.1 | 87 |
| mRAW | .CR2 | 6480 x 4320 (Approx. 28.0 MP) | Lossless RAW | 44.0 | 140 |
| mRAW + JPEG | Large | – | mRAW + Separate JPEG File | 44.0+14.1 | 110 |
| sRAW | .CR2 | 4320 x 2880 (Approx. 12.4 MP) | Lossless RAW | 29.8 | 190 |
| sRAW + JPEG | Large | – | sRAW + Separate JPEG File | 29.8+14.1 | 140 |

### EOS 5D Mark IV*,**,#

| Image Format | | Recording Resolution | Recording Method | Image File Size (MB) | Recording Capacity (shot) |
|---|---|---|---|---|---|
| JPEG | Large/Fine | 6720 x 4480 (Approx. 30.1 MP) | JPEG | 8.8 | 820 |
| | Large/Normal | | | 4.5 | 1590 |
| | Medium/Fine | 4464 x 2976 (Approx. 13.3 MP) | | 4.7 | 1530 |
| | Medium/Normal | | | 2.4 | 2970 |
| | Small 1/Fine | 3360 x 2240 (Approx. 7.5 MP) | | 3.0 | 2350 |
| | Small 1/Normal | | | 1.5 | 4560 |
| | Small 2 | 1920 x 1080 (Approx. 2.50 MP) | | 1.3 | 5420 |
| | Small 3 | 720 x 480 (Approx. 0.35 MP) | | 0.3 | 20330 |
| RAW | .CR2 | 6720 x 4480 (Approx. 30.1 MP) | Lossless RAW | 36.8 | 170 |
| RAW:DPR | .CR2 | 6720 x 4480 (Approx. 30.1 MP) | Lossless RAW | 66.9 | 90 |
| RAW + JPEG | Large/Fine | – | RAW + Separate JPEG File | 36.8 + 8.8 | 140 |
| mRAW | .CR2 | 5040 x 3360 (Approx. 16.9 MP) | Lossless RAW | 27.7 | 220 |
| mRAW + JPEG | Large/Fine | – | mRAW + Separate JPEG File | 27.7 + 8.8 | 170 |
| sRAW | .CR2 | 3360 x 2240 (Approx. 7.5 MP) | Lossless RAW | 18.9 | 310 |
| sRAW + JPEG | Large/Fine | – | sRAW + Separate JPEG File | 18.9 + 8.8 | 220 |

### EOS 5D Mark III*

| | | | | | |
|---|---|---|---|---|---|
| JPEG | Large/Fine | 5760 x 3840 (Approx. 22.10 MP) | JPEG | 7.0 | 1010 |
| | Large/Normal | | | 3.7 | 1930 |
| | Medium/Fine | 3840 x 2560 (Approx. 9.80 MP) | | 3.8 | 1860 |
| | Medium/Normal | | | 2.0 | 3430 |
| | Small/Fine | 2880 x 1920 (Approx. 5.50 MP) | | 2.5 | 2810 |
| | Small/Normal | | | 1.3 | 5240 |
| | Small 2 | 1920 x 1280 (Approx. 2.50 MP) | | 1.4 | 5030 |
| | Small 3 | 720 x 480 (Approx. 0.35 MP) | | 0.3 | 19520 |
| RAW | .CR2 | 5760 x 3840 (Approx. 22.10 MP) | Lossless RAW | 27.1 | 260 |
| RAW + JPEG | Large/Fine | – | RAW + Separate JPEG File | 27.1 +7.0 | 210 |
| mRAW | .CR2 | 3960 x 2640 (Approx. 10.5 MP) | Lossless RAW | 19.1 | 370 |
| mRAW + JPEG | Large/Fine | – | mRAW + Separate JPEG File | 19.1 + 7.0 | 270 |
| sRAW | .CR2 | 2880 x 1920 (Approx. 5.5 MP) | Lossless RAW | 15.1 | 480 |
| sRAW + JPEG | Large/Fine | – | sRAW + Separate JPEG File | 15.1+ 7.0 | 320 |

### EOS 6D*

| | | | | | |
|---|---|---|---|---|---|
| JPEG | Large/Fine | 5472 x 3648 (Approx. 20.00 MP) | JPEG | 6.0 | 1250 |
| | Large/Normal | | | 3.1 | 2380 |
| | Medium/Fine | 3648 x 2432 (Approx. 8.90 MP) | | 3.2 | 2300 |
| | Medium/Normal | | | 1.7 | 4240 |
| | Small/Fine | 2736 x 1824 (Approx. 5.00 MP) | | 2.1 | 3450 |
| | Small/Normal | | | 1.1 | 6370 |
| | Small 2 | 1920 x 1280 (Approx. 2.50 MP) | | 1.2 | 6130 |
| | Small 3 | 720 x 480 (Approx. 0.35 MP) | | 0.3 | 23070 |
| RAW | .CR2 | 5472 x 3648 (Approx. 20.00 MP) | Lossless RAW | 23.5 | 300 |
| RAW + JPEG | Large/Fine | – | RAW + Separate JPEG File | 23.5+6.0 | 240 |
| mRAW | .CR2 | 4104 x 2736 (Approx. 11.0 MP) | Lossless RAW | 18.5 | 380 |
| mRAW + JPEG | Large/Fine | – | mRAW + Separate JPEG File | 18.5+6.0 | 290 |
| sRAW | .CR2 | 2736 x 1824 (Approx. 5.00 MP) | Lossless RAW | 13.0 | 550 |
| sRAW + JPEG | Large/Fine | – | sRAW + Separate JPEG File | 13.0+6.0 | 380 |

### EOS 7D Mark II*

| | | | | | |
|---|---|---|---|---|---|
| JPEG | Large/Fine | 5472 x 3648 (Approx. 20.0 MP) | JPEG | 6.6 | 1090 |
| | Large/Normal | | | 3.5 | 2060 |
| | Medium/Fine | 3648 x 2432 (Approx. 8.9 MP) | | 3.6 | 2000 |
| | Medium/Normal | | | 1.8 | 3810 |
| | Small/Fine | 2736 x 1824 (Approx. 5.0 MP) | | 2.3 | 3060 |
| | Small /Normal | | | 1.2 | 5800 |
| | Small 2 | 1920 x 1280 (Approx. 2.5 MP) | | 1.3 | 5240 |
| | Small 3 | 720 x 480 (Approx. 0.35 MP) | | 0.3 | 20330 |
| RAW | .CR2 | 5472 x 3648 (Approx. 20.0 MP) | Lossless RAW | 24.0 | 290 |
| RAW + JPEG | Large/Fine | – | RAW + Separate JPEG File | 24.0 + 6.6 | 220 |
| mRAW | .CR2 | 4104 x 2736 (Approx. 11.2 MP) | Lossless RAW | 19.3 | 350 |
| mRAW + JPEG | Large/Fine | – | mRAW + Separate JPEG File | 19.3+ 6.6 | 260 |
| sRAW | .CR2 | 2736 x 1824 (Approx. 5.0 MP) | Lossless RAW | 13.3 | 510 |
| sRAW + JPEG | Large/Fine | – | sRAW + Separate JPEG File | 13.3 + 6.6 | 340 |

### EOS 80D*,**

| | | | | | |
|---|---|---|---|---|---|
| JPEG | Large/Fine | 6000 x 4000 (Approx. 24.0 MP) | JPEG | 7.6 | 940 |
| | Large/Normal | | | 3.9 | 1800 |
| | Medium/Fine | 3984 x 2656 (Approx. 10.6 MP) | | 4.1 | 1730 |
| | Medium/Normal | | | 2.0 | 3430 |
| | Small/Fine | 2976 x 1984 (Approx. 5.9 MP) | | 2.6 | 2700 |
| | Small/Normal | | | 1.3 | 5260 |
| | Small 2 | 1920 x 1280 (Approx. 2.5 MP) | | 1.3 | 5260 |
| | Small 3 | 720 x 480 (Approx. 0.35 MP) | | 0.3 | 20180 |
| RAW | .CR2 | 6000 x 4000 (Approx. 24.0 MP) | Lossless RAW | 28.9 | 240 |
| RAW + JPEG | Large/Fine | – | RAW + Separate JPEG File | 28.9 + 7.6 | 190 |
| mRAW | .CR2 | 4500 x 3000 (Approx. 13.5 MP) | Lossless RAW | 22.8 | 300 |
| mRAW + JPEG | Large/Fine | – | mRAW + Separate JPEG File | 22.8 + 7.6 | 220 |
| sRAW | .CR2 | 3000 x 2000 (Approx. 6.0 MP) | Lossless RAW | 15.9 | 440 |
| sRAW + JPEG | Large/Fine | – | sRAW + Separate JPEG File | 15.9 + 7.6 | 300 |

*JPEG file sizes will vary depending on the subjects, shooting mode and ISO speed.*
*^ 4K requires the following write speed requirements: CF UDMA7 (100MB/sec. or faster); SD UHS-I (90MB/sec. or higher).*
** The number of possible shots apply to an 8GB card based on Canon's testing standards. ** The image file size, number of possible shots, and maximum burst vary depending on the shooting conditions (subject, memory card brand, ISO speed, Picture Style, etc.).*
*# Image file size, number of possible shots, and maximum burst during continuous shooting are measured based on Canon's testing standards (3:2 aspect ratio, ISO 100, and Standard Picture Style), using an 8 GB CF card and SD card that meets Canon's testing standards. These values vary depending on the shooting conditions. ## Image file size, number of possible shots, and maximum burst during continuous shooting are measured based on Canon's testing standards (3:2 aspect ratio, ISO 100, and Standard Picture Style), using a UHS-I compatible, 16 GB memory card that meets Canon's testing standards. These values vary depending on the shooting conditions. ### Image file size, number of possible shots, and maximum burst during continuous shooting are measured based on Canon's testing standards (3:2 aspect ratio, ISO 200, and Standard Picture Style), using a UHS-I compatible, 16 GB memory card that meets Canon's testing standards. These values vary depending on the shooting conditions.*

### EOS 70D*

| Image Format | | Recording Resolution | Recording Method | Image File Size (MB) | Recording Capacity (shot) |
|---|---|---|---|---|---|
| JPEG | Large/Fine | 5472 x 3648 (Approx. 20.0 MP) | JPEG | 6.6 | 1000 |
| | Large/Normal | | | 3.5 | 1920 |
| | Medium/Fine | 3648 x 2432 (Approx. 8.9 MP) | | 3.6 | 1840 |
| | Medium/Normal | | | 1.8 | 3410 |
| | Small 1/Fine | 2736 x 1824 (Approx. 5.0 MP) | | 2.3 | 2790 |
| | Small 1/Normal | | | 1.2 | 5200 |
| | Small 2 | 1920 x 1280 (Approx. 2.5 MP) | | 1.3 | 4990 |
| | Small 3 | 720 x 480 (Approx. 0.35 MP) | | 0.3 | 19380 |
| RAW | .CR2 | 5472 x 3648 (Approx. 20.0 MP) | Lossless RAW | 24.0 | 260 |
| RAW + JPEG | Large/Fine | – | RAW + Separate JPEG File | 24.0 + 6.6 | 200 |
| mRAW | .CR2 | 4104 x 2736 (Approx. 11.2 MP) | Lossless RAW | 19.3 | 370 |
| mRAW + JPEG | Large/Fine | – | mRAW + Separate JPEG File | 19.3 + 6.6 | 270 |
| sRAW | .CR2 | 2736 x 1824 (Approx. 5.0 MP) | Lossless RAW | 13.3 | 470 |
| sRAW + JPEG | Large/Fine | – | sRAW + Separate JPEG File | 13.3 + 6.6 | 320 |

### EOS Rebel T6s and EOS Rebel T6i*

| | | | | | |
|---|---|---|---|---|---|
| JPEG | Large/Fine | 6000 x 4000 (Approx. 24.0 MP) | JPEG | 7.6 | 940 |
| | Large/Normal | | | 3.9 | 1810 |
| | Medium/Fine | 3984 x 2656 (Approx. 10.6 MP) | | 4.0 | 1770 |
| | Medium/Normal | | | 2.0 | 3500 |
| | Small 1/Fine | 2976 x 1984 (Approx. 5.9 MP) | | 2.5 | 2830 |
| | Small 2/Normal | | | 1.3 | 5320 |
| | Small 2 | 1920 x 1280 (Approx. 2.50 MP) | | 1.3 | 5320 |
| | Small 3 | 720 x 480 (Approx. 0.35 MP) | | 0.3 | 20180 |
| RAW | .CR2 | 6000 x 4000 (Approx. 24.0 MP) | Lossless RAW | 28.1 | 240 |
| RAW + JPEG | Large | – | RAW + Separate JPEG File | 28.1+7.6 | 190 |

### EOS Rebel T5i and EOS Rebel SL1*

| | | | | | |
|---|---|---|---|---|---|
| JPEG | Large/Fine | 5184 x 3456 (Approx. 17.90 MP) | JPEG | 6.4 | 1140 |
| | Large/Normal | | | 3.2 | 2240 |
| | Medium/Fine | 3456 x 2304 (Approx. 8.0 MP) | | 3.4 | 2150 |
| | Medium/Normal | | | 1.7 | 4200 |
| | Small/Fine | 2592 x 1728 (Approx. 4.5 MP) | | 2.2 | 3350 |
| | Small/Normal | | | 1.1 | 6360 |
| | Small 2 | 1920 x 1280 (Approx. 2.5 MP) | | 1.3 | 5570 |
| | Small 3 | 720 x 480 (Approx. 0.35 MP) | | 0.3 | 21560 |
| RAW | .CR2 | 5184 x 3456 (Approx. 17.9 MP) | Lossless RAW | T5i: 24.5<br>SL1: 23.5 | 290 |
| RAW + JPEG | Large/Fine | – | RAW + Separate JPEG File | T5i: 24.5+6.4<br>SL1: 23.5+6.4 | 230 |

### EOS Rebel T6*,**, EOS Rebel T5*

| | | | | | |
|---|---|---|---|---|---|
| JPEG | Large/Fine | 5184 x 3456 (Approx. 17.90 MP) | JPEG | 6.4 | 1110 |
| | Large/Normal | | | 3.2 | 2190 |
| | Medium/Fine | 3456 x 2304 (Approx. 8.0 MP) | | 3.4 | 2100 |
| | Medium/Normal | | | 1.7 | 4100 |
| | Small/Fine | 2592 x 1728 (Approx. 4.5 MP) | | 2.2 | 3270 |
| | Small/Normal | | | 1.1 | 6210 |
| | Small 2 | 1920 x 1280 (Approx. 2.5 MP) | | 1.3 | 5440 |
| | Small 3 | 720 x 480 (Approx. 0.35 MP) | | 0.3 | 21060 |
| RAW | .CR2 | 5184 x 3456 (Approx. 17.90 MP) | Loseless RAW | 24.5 | 290 |
| RAW + JPEG | Large/Fine | – | RAW + Separate JPEG File | 24.5+6.4 | 230 |

### EOS M5##

| | | | | | |
|---|---|---|---|---|---|
| JPEG | Large/Fine | 6000 x 4000 (Approx. 24.0 MP) | JPEG | 8.2 | 1833 |
| | Large/Normal | | | 5.5 | 2760 |
| | Medium/Fine | 3984 x 2656 (Approx. 10.6 MP) | | 4.8 | 3114 |
| | Medium/Normal | | | 3.2 | 4671 |
| | Small 1/Fine | 2976 x 1984 (Approx. 5.9 MP) | | 3.2 | 4717 |
| | Small 1/Normal | | | 2.2 | 6656 |
| | Small 2 | 2400 x 1600 (Approx. 3.8 MP) | | 1.8 | 8098 |
| RAW | .CR2 | 6000 x 4000 (Approx. 24.0 MP) | Loseless RAW | 33.6 | 450 |
| RAW + JPEG | Large/Fine | – | RAW + Separate JPEG File | 33.6+8.2 | 361 |

### EOS M3##

| | | | | | |
|---|---|---|---|---|---|
| JPEG | Large/Fine | 6000 x 4000 (Approx. 24.0 MP) | JPEG | 9.0 | 1680 |
| | Large/Normal | | | 5.8 | 2612 |
| | Medium/Fine | 4320 x 2880 (Approx. 12.4 MP) | | 5.8 | 2612 |
| | Medium/Normal | | | 3.6 | 4152 |
| | Small 1/Fine | 2880 x 1920 (Approx. 5.50 MP) | | 3.0 | 5061 |
| | Small 2/Normal | | | 2.0 | 7592 |
| | Small 2 | 2304 x 1536 (Approx. 3.50 MP) | | 1.8 | 8377 |
| | Small 3 | 720 x 480 (Approx. 0.35 MP) | | 0.3 | 48592 |
| RAW | .CR2 | 6000 x 4000 (Approx. 24.0 MP) | Lossless RAW | 30.2 | 500 |
| RAW + JPEG | Large | – | RAW + Separate JPEG File | 30.2 + 9.0 | 385 |

### EOS M10###

| | | | | | |
|---|---|---|---|---|---|
| JPEG | Large/Fine | 5184 x 3456 (Approx. 17.9 MP) | JPEG | 6.8 | 2208 |
| | Large/Normal | | | 4.4 | 3397 |
| | Medium/Fine | 4320 x 2880 (Approx. 12.4 MP) | | 5.8 | 2612 |
| | Medium/Normal | | | 3.6 | 4152 |
| | Small 1/Fine | 2880 x 1920 (Approx. 5.50 MP) | | 3.0 | 5061 |
| | Small 2/Normal | | | 2.0 | 7592 |
| | Small 2 | 2304 x 1536 (Approx. 3.50 MP) | | 1.8 | 8377 |
| | Small 3 | 720 x 480 (Approx. 0.35 MP) | | 0.3 | 48592 |
| RAW | .CR2 | 5184 x 3456 (Approx. 17.9 MP) | Lossless RAW | 22.7 | 666 |
| RAW + JPEG | Large | – | RAW + Separate JPEG File | 22.7 + 6.8 | 512 |

## EOS System Chart

EOS-1D X Mark II
EOS-1D X
EOS-1Ds Mark III
EOS-1D Mark IV
EOS 5DS/R/EOS 5DS
EOS 5D Mark IV
EOS 5D Mark III
EOS 6D
EOS 5D Mark II
EOS 7D Mark II
EOS 7D
EOS 5D
EOS 80D
EOS 70D
EOS 60D/60Da
EOS 50D
EOS 40D

### EOS-1D X Mark II / EOS-1D X / EOS-1Ds Mark III / EOS-1D Mark IV

**1D X Mark II Only**
- Ec-Series Focusing Screens
- Interface Cable IFC-500U II
- Wireless File Transmitter WFT-E8A
- Cable Protector
- Interface Cable IFC-150U II

- Battery Pack LP-E19
- Battery Charger LC-E19
- Battery Pack LP-E4N/LP-E4#
- Battery Charger LC-E4N/LC-E4##
- AC Adapter AC-E19
- DC Coupler DR-E19
- AC Adapter Kit ACK-E4###
- Car Battery Cable CB-570*
- Ec-Series Focusing Screens *(Not for EOS-1D Mark II)*
- Interface Cable IFC-500U*
- Mini-HDMI Cable HTC-100**
- Interface Cable IFC-200U*
- Stereo AV Cable AVC-DC400ST***
- Angle Finder C
- External Microphone**

**1D X Only**
- GPS Receiver GP-E2
- GPS Receiver GP-E1
- Cable Protector

**1Ds Mark III/1D Mark IV Only**
- Video Cable VC-100 *(Not for EOS-1D Mark IV)*
- Cable Protector
- Wireless File Transmitter WFT-E2 II A/WFT-E2A
- Original Data Security Kit OSK-E3

- Wireless File Transmitter WFT-E6A†
- Dioptric Adjustment Lens Eg Series
- Eyecup Eg
- Anti-Fog Eyepiece Eg

* *Not for EOS-1D X Mark II*
** *Not for EOS-1Ds Mark III*
*** *Not for EOS-1D X Mark II/ 1Ds Mark III*
† *Not for EOS-1Ds Mark III/ 1D Mark IV*

### EOS 5DS / 5DS R / 5D Mark IV / 5D Mark III / 6D / 5D Mark II

**5DS/5DS R/5D Mark III Only**
- Battery Grip BG-E11
- Wireless File Transmitter WFT-E7A^^/E7A (Ver. 2)
- Eyecup Eg
- Dioptric Adjustment Lens Eg Series
- Anti-Fog Eyepiece Eg
- Interface Cable IFC-150U II*
- Interface Cable IFC-500U II*
- Battery Magazine BGM-E11L
- Battery Magazine BGM-E11A
- Cable Protector*
- GPS Receiver GP-E2^
- Wi-Fi Adapter W-E1*
- Stereo AV Cable AVC-DC400ST *(EOS 5D Mark III only)*

**5D Mark IV Only**
- Battery Grip BG-E20
- Anti-Fog Eyepiece Eg
- Dioptric Adjustment Lenses Eg
- Eyecup Eg
- Cable Protector
- Wireless File Transmitter WFT-E7A^^/E7A (Ver. 2)
- Battery Magazine BGM-E20
- Interface Cable IFC-500U II
- Interface Cable IFC-150U II

**6D Only**
- Battery Magazine BGM-E13L
- Battery Magazine BGM-E13A
- Rubber Frame Eb
- Dioptric Adjustment Lens E Series
- Eyecup Eb
- Battery Grip BG-E13
- Eyepiece Extender EP-EX15
- Focusing Screen Eg-A II
- Eg-Series Focusing Screens
- Stereo AV Cable AVC-DC400ST
- GPS Receiver GP-E2

**5D Mark II Only**
- Battery Magazine BGM-E6
- Rubber Frame Eb
- Dioptric Adjustment Lens E Series
- Stereo Video Cable STV-250N
- Battery Grip BG-E6
- Wireless File Transmitter WFT-E4 II A / WFT-E4A
- Eyecup Eb
- Eyepiece Extender EP-EX15
- Eg-Series Focusing Screens
- Original Data Security Kit OSK-E3

- Battery Pack LP-E6N/E6
- Battery Charger LC-E6
- Angle Finder C
- Interface Cable IFC-200U**
- AC Adapter AC-E6N *(Not for 5D Mark II)*
- DC Coupler DR-E6
- AC Adapter Kit ACK-E6
- Interface Cable IFC-500U**
- Mini-HDMI Cable HTC-100
- Car Battery Cable CB-570
- Car Battery Charger CBC-E6
- External Microphone

* *EOS 5DS/5DS R only* ** *Not for EOS 5DS/5DS R/5D MarkIV*

### EOS 7D Mark II / 7D

**7D Mark II Only**
- Battery Grip BG-E16
- Battery Magazine BGM-E16L
- Battery Magazine BGM-E16A
- Focusing Screen Eh-A
- Focusing Screen Eh-S
- Wi-Fi Adapter W-E1
- Wireless File Transmitter WFT-E7A^^/E7A (Ver. 2)
- Cable Protector
- Interface Cable IFC-150U II
- Interface Cable IFC-500U II

- Battery Pack LP-E6N/E6
- Battery Charger LC-E6
- Car Battery Cable CB-570
- Car Battery Charger CBC-E6
- Eyecup Eg
- Anti-Fog Eyepiece Eg
- Dioptric Adjustment Lens Eg Series
- Angle Finder C

**7D Only**
- Battery Grip BG-E7
- Wireless File Transmitter WFT-E5A
- Battery Magazine BGM-E6
- Original Data Security Kit OSK-E3
- GPS Receiver GP-E2^
- Interface Cable IFC-500U
- Interface Cable IFC-200U
- Stereo AV Cable AVC-DC400ST
- Wireless Remote Controller RC-1/RC-5

- AC Adapter AC-E6N
- DC Coupler DR-E6
- AC Adapter Kit ACK-E6
- Mini-HDMI Cable HTC-100
- External Microphone

### EOS 5D

- Battery Grip BG-E4
- Battery Pack BP-511A
- Battery Charger CB-5L
- Interface Cable IFC-400PCU
- Video Cable VC-100
- Angle Finder C
- Ee-Series Focusing Screens
- AC Adapter Kit ACK-E2
- Car Battery Cable CB-570
- Compact Power Adapter CA-570
- Eyepiece Extender EP-EX15
- Eyecup Eb
- Rubber Frame Eb
- Dioptric Adjustment Lens E Series
- Wireless File Transmitter WFT-E1A
- Extended Range Antenna ERA-E1

### EOS 80D / 70D / 60D / 60Da / 50D / 40D

**80D/70D Only**
- Battery Grip BG-E14
- Battery Magazine BGM-E14L
- Battery Magazine BGM-E14A
- USB Interface Cable IFC-400PCU
- GPS Receiver GP-E2

**80D/70D/60D/60Da Only**
- Battery Pack LP-E6N/E6
- Battery Charger LC-E6
- External Microphone
- Stereo AV Cable AVC-DC400ST (Not for EOS 80D)
- Car Battery Charger CBC-E6
- Interface Cable IFC-500U
- Interface Cable IFC-130U/200U
- Mini-HDMI Cable HTC-100 (Not for EOS 40D)
- Magnifier MG-Eb
- Eyepiece Extender EP-EX15
- Eyecup Eb
- Rubber Frame Eb
- Dioptric Adjustment Lens E Series

**60D/60Da Only**
- Battery Grip BG-E9
- Battery Magazine BGM-E9L
- Battery Magazine BGM-E9A

**60D/60Da/50D/40D Only**
- Eyepiece Extender EP-EX-15 II
- Ef-Series Focusing Screens
- Original Data Security Kit OSK-E3

- AC Adapter AC-E6N
- DC Coupler DR-E6
- AC Adapter Kit ACK-E6

**50D/40D Only**
- Battery Grip BG-E2N
- Wireless File Transmitter WFT-E3A
- Battery Magazine BGM-E2
- AC Adapter Kit ACK-E2
- DC Coupler DR-400
- Battery Charger CG-580 or CB-5L
- Battery Pack BP-511A
- Video Cable VC-100
- Compact Power Adapter CA-570
- Compact Power Adapter CA-PS400
- Car Battery Cable CB-570
- Angle Finder C

- Wireless Controller LC-5†
- Remote Switch RS-80N3†
- Timer Remote Controller TC-80N3^^^
- Remote Switch Adapter RA-N3††
- Remote Switch RS-60E3†††
- Extension Cord ET-1000N3◊
- Wireless Remote Controller RC-6◊◊

† *Not compatible with EOS 80D, 70D and 60D/60Da*
†† *1Ds Mark III, 1D Mark IV, 5D, 50D and 40D only*
††† *EOS 80D, 70D and 60D/60Da only*
◊ *1Ds Mark III, 1D Mark IV, 5D, 7D, 50D and 40D only*
◊◊ *5DS, 5DS R, 5D Mark IV, 5D Mark III, 6D,5D Mark II, 7D Mark II, 7D, 80D, 70D and 60D/60Da only*

EOS Rebel T6s
EOS Rebel T6i
EOS Rebel T5i
EOS Rebel T4i
EOS Rebel T3i
EOS Rebel T2i
EOS Rebel SL1
EOS Rebel T6
EOS Rebel T5
EOS Rebel T3
EOS M5
EOS M3
EOS M10
EOS M
EOS-1v

### EOS Rebel T6s / T6i / T5i / T4i / T3i / T2i / SL1 / T6 / T5 / T3

**Rebel T6s/T6i Only**
- Battery Grip BG-E18
- Battery Pack LP-E17
- Battery Charger LC-E17
- Stereo AV Cable AVC-DC400ST
- External Microphone
- AC Adapter AC-E6N
- DC Coupler DR-E18
- AC Adapter Kit ACK-E18
- USB Interface Cable IFC-400PCU
- GPS Receiver GP-E2

**Rebel T5i/T4i/T3i/T2i Only**
- Battery Grip BG-E8
- Battery Pack LP-E8
- Battery Charger LC-E8
- Battery Magazine BGM-E8L
- Stereo AV Cable AVC-DC400ST
- Compact Power Adapter CA-PS700
- DC Coupler DR-E8
- AC Adapter Kit ACK-E8
- External Microphone
- GPS Receiver GP-E2 *(Not for EOS Rebel T3i/T2i)*

**Rebel SL1 Only**
- Battery Pack LP-E12
- Battery Charger LC-E12
- Stereo AV Cable AVC-DC400ST
- Compact Power Adapter CA-PS700
- DC Coupler DR-E15
- AC Adapter Kit ACK-E15
- External Microphone
- GPS Receiver GP-E2

**Rebel T6/T5/T3 Only**
- Battery Pack LP-E10
- Battery Charger LC-E10
- Compact Power Adapter CA-PS700
- DC Coupler DR-E10
- AC Adapter Kit ACK-E10
- USB Interface Cable IFC-400PCU*
- GPS Receiver GP-E2*

* *Not for EOS Rebel T3*

- Interface Cable IFC-130U
- Interface Cable IFC-200U
- Interface Cable IFC-500U
- Mini-HDMI Cable HTC-100
- Eyecup Ef
- Magnifier MG-Ef
- Eyepiece Extender EP-EX15 II
- Rubber Frame Ef
- Dioptric Adjustment Lens E Series
- Angle Finder C
- Timer Remote Controller TC-80N3 (Requires RA-E3)
- Remote Controller Adapter RA-E3
- Wireless Remote Controller RC-6 *(Not for EOS Rebel T6/T5/T3)*
- Remote Switch RS-60E3

### EOS M5 / M3 / M10 / M

**EOS M5 Only**
- Battery Pack LP-E17
- Battery Charger LC-E17
- Compact Power Adapter CA-PS700
- DC Coupler DR-E17
- AC Adapter Kit ACK-E17
- Interface Cable IFC-600PCU
- Remote Switch RS-60E3

**EOS M3 Only**
- Battery Pack LP-E17
- Electronic Viewfinder EVF-DC1
- AC Adapter Kit ACK-E17
- Interface Cable IFC-500U
- Interface Cable IFC-200U
- Battery Charger LC-E17
- Compact Power Adapter CA-PS700
- DC Coupler DR-E17
- External Microphone

**EOS M10**
- Battery Pack LP-E12
- AC Adapter Kit ACK-E12
- Battery Charger LC-E12
- Compact Power Adapter CA-PS700
- DC Coupler DR-E12

**EOS M Only**
- Battery Pack LP-E12
- AC Adapter Kit ACK-E12
- External Microphone
- Stereo AV Cable AVC-DC400ST
- Battery Charger LC-E12
- Compact Power Adapter CA-PS700
- DC Coupler DR-E12
- GPS Receiver GP-E2
- Interface Cable IFC-130U
- Interface Cable IFC-200U
- Interface Cable IFC-500U

- Mini-HDMI Cable HTC-100†
- Mount Adapter EF-EOS M
- Interface Cable IFC-400PCU†††
- Wireless Remote Controller RC-6††

† *Not for EOS M5*
†† *Not for EOS M10*
††† *Not for EOS M5 and M*

### EOS-1v

- Power Drive Booster PB-E2
- Battery Magazine BM-E2
- Ni-MH Pack NP-E2
- Ni-MH Charger NC-E2
- Battery Pack BP-E1
- Ec-Series Focusing Screens
- Wireless Controller LC-5
- Anti-Fog Eyepiece Ec
- Eyepiece Extender EP-EX15
- Eyecup Ec-II
- Rubber Frame Ec
- Dioptric Adjustment Lens E Series
- Angle Finder C
- Timer Remote Controller TC-80N3
- Remote Switch RS-80N3
- Extension Cord 1000T3◊
- Remote Switch 60T3◊
- Extension Cord ET-1000N3
- Cable Release Adapter T3◊
- Remote Switch Adapter RA-N3
- Remote Switch Adapter T3◊
- EOS Link Software ES-E1

◊ *Requires RA-N3 with EOS-1v*

- 600EX II-RT
- 600EX-RT
- 580EX II
- 430EX III-RT
- 430EX II
- 320EX
- 270EX II
- 220EX
- 90EX
- Macro Twin Lite MT-24EX
- Macro Ring Lite MR-14EX II
- Macro Ring Lite MR-14EX
- Speedlite Transmitter ST-E3-RT
- Speedlite Transmitter ST-E2
- Off-Camera Shoe Cord OC-E3
- TTL Hot Shoe Adapter 3◊◊
- Connecting Cord 60◊◊
- Connecting Cord 300◊◊
- TTL Distributor◊◊
- Off-Camera Shoe Adapter OA-2◊◊

◊◊ *These accessories provide TTL or manual flash control, but are not compatible with E-TTL or E-TTL II; no automatic flash with select EOS cameras.*

### Connect Station CS100 and Directional Microphone DM-E1

- Connect Station CS100
- Directional Microphone DM-E1*

EOS-1D X Mark II
EOS-1D X
EOS 5DS
EOS 5DS R
EOS 5D Mark IV
EOS 5D Mark III
EOS 6D
EOS 7D Mark II
EOS 80D
EOS 70D
EOS 60D/60Da
EOS Rebel T6s
EOS Rebel T6i
EOS Rebel T5i
EOS Rebel T4i
EOS Rebel T3i
EOS Rebel T2i
EOS Rebel SL1
EOS Rebel T6
EOS Rebel T5
EOS Rebel T3
EOS M5
EOS M3
EOS M10
EOS M

**Applies to all Canon EOS digital cameras with a microphone jack.*

*# When using Battery Pack LP-E4/E4N with the EOS-1D X Mark II camera the continuous shooting speed and maximum burst rate will be lowered when compared to using the Battery Pack LP-E19. ## Although Battery Charger LC-E19 can be used to charge Battery Pack LP-E4/E4N, Battery Charger LC-E4/E4N cannot be used to charge Battery Pack LP-E19. ### When using ACK-E4 with the EOS-1D X Mark II camera the continuous shooting speed and maximum burst rate will be lowered when compared to using AC-E19 + DR-E19. ^ The EOS 5D Mark III and EOS 7D require a firmware upgrade to be compatible with the GPS Receiver GP-E2. Firmware updates are available on each individual product's webpage on the Canon website. See* ***usa.canon.com/consumer*** *for our full line of products. ^^ The WFT-E7A requires a firmware update and Interface Cables IFC-40AB II or IFC-150AB II to work with the EOS 5DS, 5DS R, 5D Mark IV and 7D Mark II. ^^^ EOS 80D, 70D, 60D/60Da, 50D and 40D need the Remote Controller Adapter RA-E3.*



*Taken with the EOS 5D Mark IV camera using the EF 16–35mm f/2.8L III USM*

# EF LENS TECHNOLOGY

**Great images start with great optics. A digital camera is often defined by the quality, breadth and scope of its lens system. As such, Canon lenses alone are reason enough to choose the EOS System. Combining some of the world's most advanced optical, microelectronic and precision manufacturing technologies, EF lenses are engineered in Canon's laboratories, proven in the field and beloved by generations of photographers. With over 120 million lenses produced◊, Canon EF lenses have proven they are capable for a multitude of photographic situations.**



## Optical Image Stabilizer

OIS

Canon Optical Image Stabilizer technology makes handheld photography more practical at slow shutter speeds, accommodating more low-light shooting situations than ever before. Camera shake typically occurs at shutter speeds less than 1/ [the camera's focal length], resulting in image blur. Canon Optical Image Stabilizer technology uses miniature sensors and a high-speed microcomputer built into the lens. The sensors analyze vibrations and apply correction via a special stabilizing lens group that shifts the image parallel to the focal plane. Motion blur is reduced, resulting in a sharper image. With Optical Image Stabilization, it's like gaining up to four stops. Canon Optical Image Stabilizer technology is built into many EF, EF-S and EF-M lenses, allowing for more movement of the stabilizing lens group. Especially with telephoto lenses, as the lens focal length increases, the effect of shake and the degree of correction needed to cancel it increases as well. With the Optical Image Stabilizer in the lens, Canon can equip each IS lens with a stabilization unit optimized for the focal lengths and optical characteristics unique to that lens.



*Image Stabilizer **ON***



*Image Stabilizer **OFF***

◊ *Refers to EF Lenses, EF-S Lenses and Cinema Lenses produced worldwide from 1987 to Second Half of 2016.*

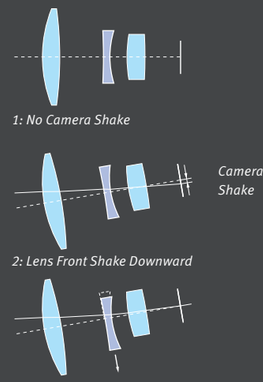



# Image Stabilization: It Belongs In the Lens

**Because every lens is different, different lenses have different Optical Image Stabilizer needs.**

- Reduces motion blur by counteracting camera shake during handheld photography
- With Optical Image Stabilizer in the lens, Canon can equip each Optical Image Stabilizer lenswith the stabilizer it needs
- Found on some telephoto lenses, Optical Image Stabilizer Mode 2 is especially effective when doing panned shots
- With Canon Optical Image Stabilizer, the effects of the stabilization can be seen in the viewfinder –the image is steadier, making composition more accurate

***Optical Image Stabilizer Parallel Movement Principle***




*1: No Camera Shake*

*2: Lens Front Shake Downward*

*3: Image-stabilizing group counteracting downward camera shake*

## Hybrid Image Stabilizer

HYBRID IS
HYBRID IMAGE STABILIZER

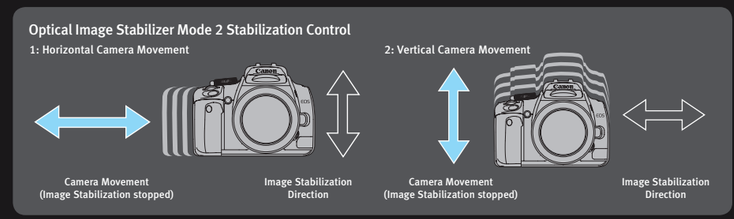
During normal shooting situations, sudden camera movement is rotational and can cause significant image blur. During macro or close-up photography, however, the image blur caused by linear camera shake – when the camera moves parallel to the subject – is more pronounced. Optical Image Stabilizer is designed to counteract rotational or linear camera shake and works well for most camera shooting situations. To help compensate for linear camera shake, an acceleration sensor determines the amount of shift-based camera movement. Canon Hybrid Image Stabilizer technology employs a highly sophisticated algorithm that combines the feedback of both the acceleration sensor and angular velocity sensor (found in Hybrid OIS technology), and moves the image stabilizer lens elements, effectively compensating for both rotational and linear camera shake. Hybrid IS enhances the effects of Optical Image Stabilizer, especially during macro shooting, which may be difficult for conventional image stabilization technologies.



*Linear Camera Shake*

## Optical Image Stabilizer Mode 2 and Mode 3

The standard settings of the Optical Image Stabilizer are set so that it is most effective when photographing stationary subjects. However, when panning with a moving subject is attempted (tracking of the subject horizontally or vertically), the shake-correction of the OIS may inadvertently over-compensate and interfere with framing. To help resolve this, Canon developed Optical Image Stabilizer Mode 2. In this mode, if you move the lens to follow a subject for a pre-determined time, the Optical Image Stabilizer does not correct for the intentional panning, while continuing to correct any camera shake that's perpendicular to the panning motion. The result is a virtually smooth viewfinder image as you follow the moving subject. Optical Image Stabilizer Mode 3 activates IS only when the shutter button is fully pressed, allowing for easy panning of fast-moving subjects.




## Dynamic Image Stabilizer

DIS

During video shooting, Canon's Dynamic IS stabilization offers a wide image stabilization correction range, creating an Image Stabilizer effect equivalent to a shutter speed approximately 4 settings faster, which is effective for shooting handheld, while walking and in similar types of shooting situations.




*EF-S 18–135mm f/3.5–5.6 IS USM*

*EF 70–300mm f/4–5.6 IS II USM*

# FOCUS WITH SPEED AND PRECISION

NANO USM

NANO USM AF not only makes quiet, fast and smooth AF transitions that can be ideal for movie recording, it also delivers high-speed AF and precise manual focus for superb still photography. Combining Ring USM and STM (lead-screw type) features, NANO USM incorporates a diminutive chip-shaped ultrasonic motor into the lens design that's engineered to deliver high-speed, smooth, precise and near-silent operation. This means quiet and fluid focus transitions when shooting video, critical when recording sound, with no compromise in speed or size. Nano USM lenses focus with speed similar to EF and EF-S lenses with Ultrasonic motors, remaining lightweight, compact and portable for all day use.



*NANO USM*



*USM feature*
***High-speed still image AF***

+

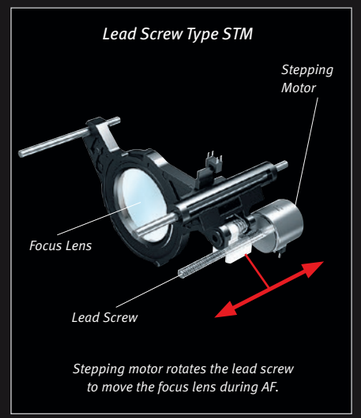


*STM feature*
***Silent and smooth movie AF***

## STM

STM

A challenge of shooting video has been achieving continuous autofocus. In response, certain Canon EF, EF-S and EF-M lenses now offer a stepping motor (STM) drive designed to deliver smooth and quiet continuous AF during video shooting when paired with the Movie Servo AF feature found on select EOS cameras. Canon's decades of optical experience allows Canon to incorporate the right type of stepping motor for each lens. The EF 40mm f/2.8 STM utilizes a gear-type that allows the lens to achieve an ultra-compact and lightweight design; whereas the EF-S 18–135mm f/3.5–5.6 IS STM uses a lead-screw type, which prioritizes AF performance, offering smooth and quiet operation.




*Stepping motor rotates the lead screw to move the focus lens during AF.*

## Ultrasonic Motor

Canon developed the world's first lens-based Ultrasonic Motor (USM) to power the lens autofocus mechanism. Instead of large, noisy drive trains powered by conventional motors, Canon USM lenses employ the minute electronic vibrations created by piezoelectric ceramic elements. The focusing action of the lens is fast and quiet, with virtually instantaneous stops and starts. USM lenses also draw minimal power from the camera, helping to ensure longer battery life. Canon makes two types of Ultrasonic Motor lenses. Ring-type USM lenses, found in large aperture and super-telephoto designs, permit manual focusing without first switching out of the auto mode. Micro USM designs bring the performance benefits of Canon's USM technology to a wide assortment of affordable EF lenses.

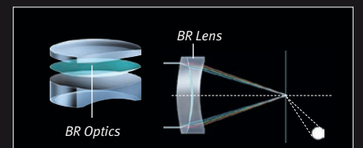
## L-Series Lenses

Highly regarded among professional photographers, Canon L-series lenses are distinguished by a bold red ring around the outer barrel. What makes them truly distinctive, however, is their remarkable optical performance – the result of sophisticated Canon technologies, such as Ultra-low Dispersion (UD) glass, fluorite and aspherical elements and Super Spectra Coating.

## BR Optics

BR

Canon's new Blue Spectrum Refractive Optics (BR) lens elements deliver a significant reduction in chromatic aberration and color fringing, even at maximum apertures. When combined with other specialized lens elements, BR Optics help to provide a level of edge-to-edge sharpness, clarity and resolving power befitting the high-resolution sensors of Canon's advanced EOS DSLR cameras.

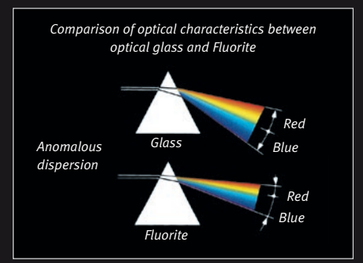



*Since a BR lens can greatly refract blue light (short wavelength spectrum), placing it between a concave and convex lens allows all visible light wavelevngths to be focused onto a single point.*

## Fluorite / UD Elements

CaF2 UD S-UD

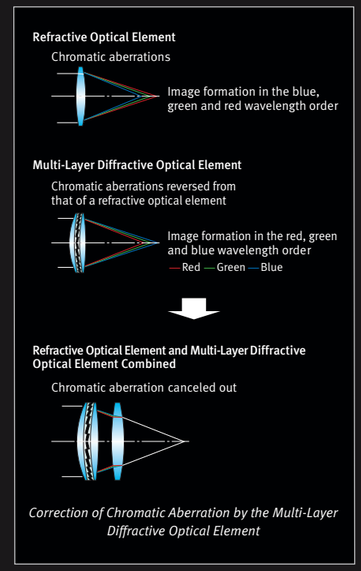
Reducing color fringing, or chromatic aberration, has been one of the great challenges in the design of telephoto lenses. L-series telephoto lenses – like the EF 70–200mm f/2.8 IS II USM and EF 300mm f/4L IS USM – employ Canon's Ultra-low Dispersion glass to help minimize this effect, providing much improved contrast and sharpness. Even more effective at suppressing chromatic aberration are fluorite elements, used in high-end super-telephoto L-series lenses. Composed of crystallized calcium fluoride ($CaF_2$), a single fluorite element, although costly, has roughly the corrective power of two UD glass elements, giving these L-series lenses their spectacular performance and relatively compact design.




## Diffractive Optics

DO

Canon's use of diffractive optics (DO) results in high-performance lenses that are much smaller and lighter than traditional designs. Canon's multilayer diffractive elements are constructed by bonding diffractive coatings to the surfaces of two or more lens elements. These elements are then combined to form a single multilayer DO element. Conventional glass lens elements disperse incoming light, causing chromatic aberration. The DO element's dispersion characteristics are designed to help reduce chromatic aberrations significantly at various wavelengths when combined with conventional glass optics. This technology results in smaller lenses that provide amazing results. Canon has also developed a triple-layer type DO lens that uses an advanced diffractive grating to deliver excellent performance, with superb control of color fringing. This configuration is ideal for zoom lens optics and provides significant reductions in size. A good example is the EF 70–300mm f/4.5–5.6 DO IS USM lens, which is 28 percent shorter than the EF 70–300mm f/4–5.6 IS USM lens.

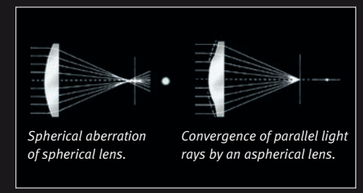



*Correction of Chromatic Aberration by the Multi-Layer Diffractive Optical Element*

## Aspherical Elements

AL

Wide-angle lenses and fast normal-focal-length lenses often suffer from spherical aberration. When the light rays coming through the center of the lens do not converge at the same point as light rays coming through the lens edge, the image can appear blurred because there is no sharp point of focus. Canon's aspherical elements use a varying curved surface to help ensure that the entire image plane appears focused. Aspherical optics also help to correct curvilinear distortion as one might find in ultra wide-angle lenses. Canon designs aspherical elements with extremely precise variable curvature of one or both sides, making possible lighter, more compact lenses.



*Spherical aberration of spherical lens.*

*Convergence of parallel light rays by an aspherical lens.*

## Subwavelength and Fluorine Anti-smear Coatings

SWC FASC

The Subwavelength Coating (SWC) is a proprietary lens coating that helps control ghosting and flare to a far greater degree than with earlier coating technologies. Utilizing SWC technology on large-curvature lens elements that are mainly found in wide-angle lenses significantly minimizes the occurrence of ghosting and flare caused by reflected light in environments that have posed problems. SWC is used on the Canon wide-angle lens, EF 24mm f/1.4L II USM. The fluorine anti-smear coating helps minimize soiling, smears and fingerprints for easy cleaning.

## ASC

ASC

Air Sphere Coating (ASC) technology is designed to help reduce backlit flare and ghosting significantly typical with multi-optic zoom lenses. ASC includes air spheres that are applied over the lenses' conventional vapor deposition coatings.

## Circular Aperture

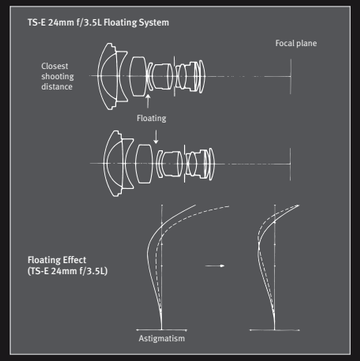
CA

Canon lenses featuring circular aperture diaphragms employ curved blades to create a smoothly rounded opening as the lens is stopped down. As a result, most out-of-focus background highlights are rendered as natural-looking rounded shapes rather than as distracting polygons. These lenses deliver smooth, consistent stop-down action (even at 14.0 fps), near-silent operation and excellent optical characteristics.

## Floating System

Float

Typically, lenses will correct optical aberrations at commonly used focusing distances. Not surprisingly, at other focusing distances, especially close range, aberrations can compromise image quality.




Rather than using fixed spacings, Canon's floating system dynamically varies the gap between key lens elements based on focusing distance. Most aberrations can be effectively suppressed throughout the focusing range, helping to assure high image quality in all shooting situations.

## Inner and Rear Focusing

I/R

An inner focusing lens has the focusing lens group(s) in front of the diaphragm, while a rear focusing lens has the focusing lens group(s) behind the diaphragm. Both designs allow for compact optical systems that produce faster AF, and because the front of the lens does not rotate to focus, filter orientation remains constant.

## AF Stop Feature

AFSF

Pressing the AF Stop button (featured on several EF IS telephoto lenses) will momentarily lock the AF to help prevent the focus from shifting to a passing obstruction. After the obstruction has cleared, the focus will still be on the subject, and you can quickly resume shooting. AF Stop buttons are positioned at four locations around the lens grip for easy access.

## Focus Preset

FP

Focus Preset enables you to program a focusing distance in the camera's memory. Normal picture taking and focusing are unaffected by preset distances. For example, at a soccer game, you would focus preset the goal area. While you can shoot normally elsewhere on the field, once the action moves toward the goal, the user can instantly return to the preset distance by turning a ring on the lens.

## Full-time Manual Focusing

FT-M

Canon EOS cameras with EF lenses deliver impeccable AF precision. Manual focusing capability, nevertheless, can enhance flexibility. Canon EF lenses with full-time manual focusing enables the photographer to manually tweak focus without switching out of AF mode. Since AF action does not cause the focusing ring to turn, it can be made wider for improved grip and comfort.




## Dust- and Water-resistant Construction

DW-R

Most L-series EF telephoto lenses are dust- and water-resistant thanks to rubber seals at the switch panels, exterior seams, drop-in filter compartments and lens mounts. Moving parts, such as the focusing ring and switches, are also designed to help keep out environmental contaminants, providing reliable performance under harsh conditions.



### *TS-E Movements*

*Tilt Movements alter the angle of the plane of focus between the lens and focal plane, and Shift Movements move the lens' optical axis in parallel.*



*Reverse tilt and shift greatly reduces the range on which focusing is possible.*



*Shift was used to adjust the image to keep the building perpendicular all the way to the top.*

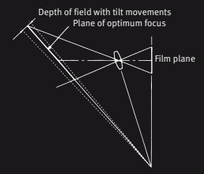


*The lens' tilt mechanism is used to achieve a pan focus effect that allows focusing all the way back.*



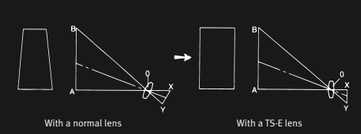
*Without shift, the image of the building leans in at the top.*

***Tilt Movements** – Using a normal lens, shallow or deep focus is controlled by the size of the aperture used to adjust depth of field. Canon TS-E lenses can help achieve this by the tilting of the lens barrel in relationship to the focal and subject planes. This allows for the appearance of extremely deep focus even at wide open apertures, and shallow focus at smaller apertures.*




Using Tilt Movements to Focus an Oblique Subject Plane

***Shift Movements** – By keeping the camera level, and using the shift function to raise the lens instead, this perspective effect can be corrected. With the camera's focal plane set parallel to the building, shifting the lens upward will obtain a more rectangular-looking building.*




Using Shift Movements to Focus a Tall Building

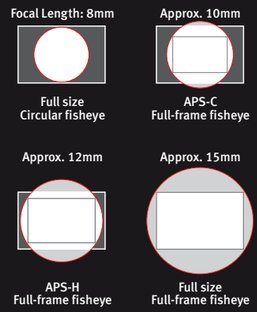


*EF 8–15mm f/4L Fisheye USM • f/4 • 1024 sec.*

## Specialty Lenses

**Fisheye** — With its unique focal length range, the EF 8–15mm f/4L Fisheye USM offers an interesting and exciting perspective. It delivers 180° diagonal angle of view images for all EOS cameras with imaging formats ranging from full-frame to APS-C, and provides 180° circular fisheye images for full-frame EOS models. This Canon lens has a wide zoom range feature that provides a truly elevated level of creativity and performance for users shooting artistic compositions or panoramic landscapes, as well as astronomy and sports.

**The diagram below shows the relationship between each image size and a 180° angle of view for each focal length.**




** The red circle for each focal length is the size of a 180° angle of view on the image plane.*

**EF-S lenses** — Designed for the Canon EOS 7D Mark II, EOS 80D and all EOS Rebel models with APS-C sensors with a 1.6x crop factor, Canon's EF-S lenses take advantage of the camera sensor's smaller size to help deliver optimized performance in compact, lightweight designs.

**EF-M lenses** — EF-M lenses deliver high-caliber operation in a convenient size. From the wide-angle EF-M 11–22mm f/4–5.6 IS STM to the telephoto zoom EF-M 55–200mm f/4.5–6.3 IS STM, they cover a wide range of focal lengths. Plus, they're impressively portable: the EF-M 11–22mm f/4–5.6 IS STM and the EF-M 15–45mm f/3.5–6.3 IS STM even feature a lens-retraction mechanism for reduced size when not in use.

**TS-E** — TS-E lenses are capable of tilt and shift movements, which bring many of the advantages of technical view cameras to the EOS System. Tilt movements alter the angle of the plane of focus between the lens and film plane, making broad depth of field possible even at larger apertures; shift movements slide the lens' optical axis along the film/sensor plane, enabling photographers to correct or alter perspective at almost any angle.

**Macro** — Canon's EF lens lineup has a number of options for true close-up and macro photography. With seven macro lenses for precision, plus three screw-on close-up lenses for convenience – in addition to the Life-Size Converter EF and two Extension Tubes – Canon's macro lenses and close-up accessories can uncover and even illuminate (using the EF-M 28mm f/3.5 Macro IS STM's Built-in Macro Lite) detail nearly undetectable by the human eye.

## EF Mount

The Canon EF mount is much more than simply a way to attach a lens to a camera body. As the communication conduit between camera and lens, this fully electronic mount enables high-speed autofocus, precise aperture control and preview, makes automatic compensation with lens extenders possible and can communicate data such as focal length, lens model, even serial number for in-camera processing and recording. Ready for the future, the EF mount offers both forward and backward compatibility with lens technologies such as USM and Hybrid IS, as well as new optical designs, such as EF-S lenses and Cinema EOS lenses as they are developed by Canon.

### *About Macro Magnification*

*A life-size macro lens – that is, a 1.0x magnification – records an image on film at its actual size. If you're photographing fruits, for example, and it has a diameter of 1.0 in., it will occupy 1.0 in. of your actual slide or negative. With a digital camera, at 1.0x magnification, the image projected onto your camera's sensor will likewise be the same size at the sensor plane as the actual subject itself. Other macro lenses have lower or higher magnifications. A lens with 0.5x magnification will produce an image on film that is half the size of the actual subject. Your 1.0 in. fruit then would only occupy 0.5 in. on film.*

*In the other direction, a 5x magnification lens will convert the 1-in. fruit to a 5-in. diameter image. Since the entire image won't fit in the frame of your film, you will have an enlarged image of a detail of the fruit.*

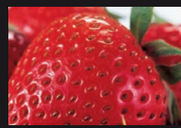
*Magnification is not the same as focal length. A 50mm lens and a 180mm might both be macro lenses with, for example, 1.0x magnification. The advantage of the longer lens is that it allows greater distance from a subject, while allowing the same magnification in the final image. The 180mm lens is ideal for shooting tiny subjects without disturbing them; the 50mm is better choice for copying flat documents.*



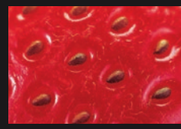
*0.25x*



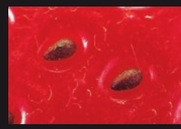
*0.5x*



*1.0x*



*3.0x*



*5.0x*

## FOCAL LENGTH COMPARISON



# Take In the Wider View.

Canon EF fixed-focal-length wide-angle lenses are amazingly sharp, virtually distortion-free, and fast – making them great choices for low-light shooting. EF ultra-wide zooms can deliver stunning perspectives. The added versatility of zooming makes them perfect for enthusiasts and professionals alike.

EF LENSES for EOS Cameras

## Ultra-Wide Zoom



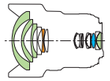
**EF 8–15mm f/4L Fisheye USM**



UD 1 · AL 1 · CA · I/R · FT-M · SWC · FASC · DW-R



**EF 11–24mm f/4L USM**



CaF2 1 · S-UD 1 · UD 1 · AL 4 · CA · I/R · FT-M · SWC · DW-R · ASC



**EF-S 10–18mm f/4.5–5.6 IS STM***

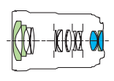


UD 1 · AL 2 · OIS · STM · CA · I/R · FT-M

NEW



**EF 16–35mm f/2.8L III USM**



CaF2 1 · UD 2 · AL 3 · CA · I/R · FT-M · SWC · FASC · DW-R · ASC



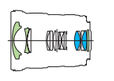
**EF-S 10–22mm f/3.5–4.5 USM***



S-UD 1 · AL 3 · CA · I/R · FT-M · DW-R



**EF 16–35mm f/2.8L II USM**



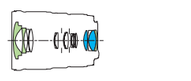
UD 2 · AL 3 · CA · I/R · FT-M · SWC · DW-R



*EF 11–24mm f/4L USM • f/8.0 • 2.6 sec.*



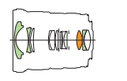
**EF 16–35mm f/4L IS USM**



UD 2 · AL 3 · OIS · CA · I/R · FT-M · DW-R · FASC · DW-R



**EF 17–40mm f/4L USM**



S-UD 1 · AL 3 · CA · I/R · FT-M · DW-R

## Wide-Angle



**EF 14mm f/2.8L II USM**



UD 2 · AL 2 · I/R · FT-M · DW-R



**EF 28mm f/1.8 USM**



AL 1 · I/R · FT-M



**EF 20mm f/2.8 USM**



I/R · Float · FT-M



**EF 28mm f/2.8 IS USM****



AL 1 · OIS · CA · I/R · FT-M



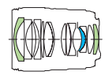
**EF 24mm f/1.4L II USM**



UD 2 · AL 2 · CA · I/R · Float · FT-M · SWC · DW-R



**EF 35mm f/1.4L II USM**



UD 1 · AL 2 · BR · CA · I/R · FT-M · SWC · DW-R · FASC



**EF 24mm f/2.8 IS USM****



AL 1 · OIS · CA · I/R · FT-M



**EF 35mm f/1.4L USM**



AL 1 · I/R · Float · FT-M



**EF-S 24mm f/2.8 STM***



AL 1 · STM · CA · FT-M



**EF 35mm f/2 IS USM**



AL 1 · OIS · CA · I/R · FT-M

***Diagram:*** ● *Super UD Lens* ● *UD Lens* ● *Aspherical Lens* ***Icons:*** *See "EF Lens Technology" section.*

** For EOS 7D Mark II, 7D, 80D, 70D, 60D, 60Da, 50D, 40D, 30D, 20D, 20Da, Rebel T6s, T6i, T5i, T4i, SL1, T3i, T2i, T6, T5, T3, T1i, XSi, XS and all versions of EOS Digital Rebel only.*

*** Please be advised that when EF 24mm f/2.8 IS USM and EF 28mm f/2.8 IS USM are used with EOS-1D Mark IV, the firmware of the camera should be updated to version 1.1.1 or later. The update helps to optimize the exposure accuracy. The firmware is available on our website.*



# See It. Capture It.

EF "standard" zooms cover a popular range of focal lengths for most photographers, from wide-angle through telephoto. This versatility makes them great for a wide range of shooting situations. EF medium telephoto lenses help deliver natural perspective with wide maximum apertures that make them ideal for low-light shooting.

EF LENSES for EOS Cameras

## Standard Zoom



**EF-S 15–85mm f/3.5–5.6 IS USM***



UD 1 · AL 3 · OIS · CA · I/R



**EF-S 18–135mm f/3.5–5.6 IS STM***



UD 1 · AL 1 · OIS · DIS · STM · CA · I/R



**EF-S 17–55mm f/2.8 IS USM***



UD 2 · AL 3 · OIS · CA · I/R · FT-M



**EF-S 18–135mm f/3.5–5.6 IS***



UD 1 · AL 1 · OIS · CA · I/R



**EF-S 18–55mm f/3.5–5.6 IS STM***



AL 1 · OIS · STM · CA · I/R · FT-M



**EF-S 18–200mm f/3.5–5.6 IS***



UD 1 · AL 2 · OIS · CA



**EF-S 18–55mm f/3.5–5.6 IS II***



AL 1 · OIS · CA



**EF 24–70mm f/2.8L USM**



UD 1 · AL 2 · CA · I/R · FT-M · DW-R

NEW



**EF-S 18–135mm f/3.5–5.6 IS USM***



S-UD 1 · UD 1 · AL 3 · CA · I/R · FT-M · FASC · DW-R



**EF 24–70mm f/2.8L II USM**



S-UD 1 · UD 1 · AL 3 · CA · I/R · FT-M · FASC · DW-R



**EF 24–70mm f/4L IS USM**



UD 2 · AL 2 · OIS · CA · I/R · FT-M · FASC · DW-R

NEW



**EF 24–105mm f/4L IS II USM**



CaF2 1 · AL 4 · OIS · CA · I/R · FT-M · FASC · DW-R · ASC



**EF 24–105mm f/3.5–5.6 IS STM**



UD 1 · AL 2 · OIS · STM · CA · I/R · FT-M



**EF 24–105mm f/4L IS USM**



S-UD 1 · AL 3 · OIS · CA · I/R · FT-M



*EF-S 18–135mm f/3.5–5.6 IS USM • f/8 • 1/2700 sec.*

***Diagram:*** ● *Super UD Lens* ● *UD Lens* ● *Aspherical Lens* ***Icons:*** *See "EF Lens Technology" section.*

** For EOS 7D Mark II, 7D, 80D, 70D, 60D, 60Da, 50D, 40D, 30D, 20D, 20Da, Rebel T6s, T6i, T5i, T4i, SL1, T3i, T2i, T6, T5, T3, T1i, XSi, XS and all versions of EOS Digital Rebel only.*

# Get a Good Look.

Well-suited to portraiture, sports and other general photography, standard and medium telephoto lenses offer a convenient angle of view that's neither too close nor too wide. With a number of compact, bright lenses available, Canon's standard and medium telephoto lenses lend themselves to handheld photography and feature bright maximum apertures to excel in low light.

EF LENSES for EOS Cameras

## Standard and Medium Telephoto



EF 40mm f/2.8 STM



AL 1 | STM | CA | FT-M



EF 50mm f/1.2L USM



AL 1 | CA | FT-M | DW-R



EF 50mm f/1.8 STM



STM | CA | FT-M



EF 50mm f/1.4 USM



FT-M



EF 50mm f/1.8 II





EF 85mm f/1.2L II USM



AL 1 | CA | Float | FT-M



*EF 50mm f/1.8 STM • f/1.8 • 1/250 sec.*



EF 85mm f/1.8 USM



UD 4 | I/R | FT-M



EF 100mm f/2 USM



UD 4 | I/R | FT-M

**Diagram:** ● *Super UD Lens* ● *UD Lens* ● *Aspherical Lens* **Icons:** *See "EF Lens Technology" section.*



# Focus Your Attention.

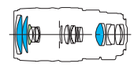
Telephoto lenses make it easy to throw backgrounds out of focus, grab detail or "get close" to unapproachable subjects... and these EF zoom lenses are superb tools for the job. EF fixed-focal-length telephotos combine great picture quality with fast maximum apertures, making them ideal for handheld shooting in low light.

EF LENSES for EOS Cameras

## Telephoto Zoom



EF 28–300mm f/3.5–5.6L IS USM



UD 3 | AL 3 | OIS | I/R | FT-M | DW-R



EF-S 55–250mm f/4–5.6 IS STM*



UD 1 | OIS | STM | CA | I/R | FT-M



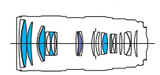
EF-S 55–250mm f/4–5.6 IS II*



UD 1 | OIS | CA



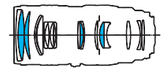
EF 70–200mm f/2.8L IS II USM



CaF 1 | UD 5 | OIS | I/R | CA | I/R | FT-M | DW-R



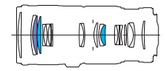
EF 70–200mm f/2.8L USM



UD 4 | I/R | FT-M



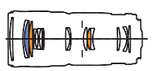
EF 70–200mm f/4L IS USM



CaF 1 | UD 2 | OIS | I/R | FT-M | DW-R



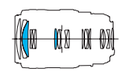
EF 70–200mm f/4L USM



CaF 1 | S-UD 2 | I/R | FT-M



EF 70–300mm f/4–5.6L IS USM



UD 2 | OIS | CA | I/R | Float | FT-M | FASC | DW-R



EF 70–300mm f/4.5–5.6 DO IS USM

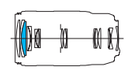


AL 1 | DO | OIS | CA | I/R | FT-M

NEW



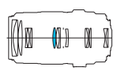
EF 70–300mm f/4–5.6 IS II USM



UD 1 | OIS | NANO USM | CA | I/R | FT-M



EF 70–300mm f/4–5.6 IS USM



UD 1 | OIS | CA



EF 75–300mm f/4–5.6 III USM





EF 75–300mm f/4–5.6 III





EF 100–400mm f/4.5–5.6L IS II USM



CaF 1 | S-UD 1 | OIS | CA | I/R | Float | FT-M | DW-R | ASC



EF 100–400mm f/4.5–5.6L IS USM



CaF 1 | S-UD 1 | OIS | I/R | Float | FT-M

**Diagram:** ● *Fluorite Lens* ● *Super UD Lens* ● *UD Lens* ● *Aspherical Lens* ● *DO Lens* **Icons:** *See "EF Lens Technology" section.*

** For EOS 7D Mark II, 7D, 80D, 70D, 60D, 60Da, 50D, 40D, 30D, 20D, 20Da, Rebel T6s, T6i, T5i, T4i, SL1, T3i, T2i, T6, T5, T3, T1i, XSi, XS and all versions of EOS Digital Rebel only.*

# Get a Closer Look.

Canon's telephoto lenses and lens extenders are designed to bring the action closer, providing images of clarity and detail that's otherwise too far away to see. Whether shooting sports, stage, landscapes or wildlife, telephoto lenses and extenders help capture distant action and dramatic portraits, providing a unique perspective to stills and video.

EF LENSES for EOS Cameras

## Telephoto



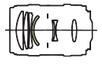
**EF 135mm f/2L USM**



UD 2 | I/R | FT-M



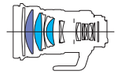
**EF 135mm f/2.8 w/Softfocus**



AL 1 | I/R



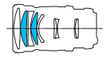
**EF 200mm f/2L IS USM**



CaF2 2 | UD 2 | OIS | CA | I/R | FT-M | FP | AFSF | DW-R



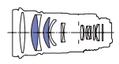
**EF 200mm f/2.8L II USM**



UD 2 | I/R | FT-M



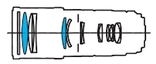
**EF 300mm f/2.8L IS II USM**



CaF2 2 | OIS | CA | I/R | FT-M | SWC | FASC | AFSF | DW-R



**EF 300mm f/4L IS USM**



UD 2 | OIS | I/R | FT-M

## Extenders



**EXTENDER EF 1.4x III**



FASC | DW-R



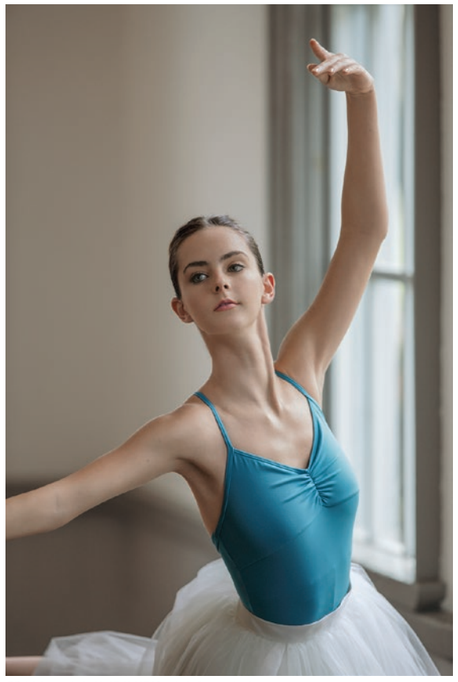
**EXTENDER EF 2x III**



FASC | DW-R



**Extension Tube EF 12 II**
**Extension Tube EF 25 II**



*EF 300mm f/2.8L IS II USM • f/2.8 • 1/250 sec.*

***Diagram:*** *Fluorite Lens • Super UD Lens • UD Lens • Aspherical Lens* ***Icons:*** *See "EF Lens Technology" section.*



# Up Close Detail from Afar.

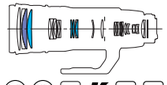
Distinguished by their white color and seen at major sporting events around the world, the powerful EF super-telephotos are also ideal for nature, scenic and even outdoor fashion photography. Canon's ring-type USM delivers a high level of focusing performance, and most feature Canon's superb Image Stabilization. EF tele extenders and extension tubes add even more power and versatility.

EF LENSES for EOS Cameras

## Super Telephoto



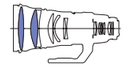
**EF 200–400mm f/4L IS USM Extender 1.4X**



CaF2 2 | UD 4 | OIS | CA | I/R | FT-M | SWC | FASC | AFSF | DW-R



**EF 400mm f/2.8L IS II USM**



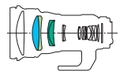
CaF2 2 | OIS | CA | I/R | FT-M | SWC | FASC | AFSF | DW-R



*EF 400mm f/2.8L IS II USM • f/2.8 • 1/2000 sec*



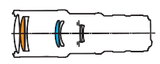
**EF 400mm f/4 DO IS II USM**



UD 1 | AL 1 | DO | OIS | CA | I/R | FT-M | SWC | FASC | FP | AFSF | DW-R



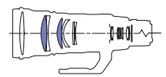
**EF 400mm f/5.6L USM**



S-UD 1 | UD 1 | I/R | FT-M



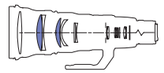
**EF 500mm f/4L IS II USM**



CaF2 2 | OIS | CA | I/R | FT-M | SWC | FASC | FP | AFSF | DW-R



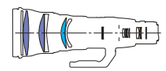
**EF 600mm f/4L IS II USM**



CaF2 2 | OIS | CA | I/R | FT-M | SWC | FASC | FP | AFSF | DW-R



**EF 800mm f/5.6L IS USM**



CaF2 2 | S-UD 1 | UD 1 | OIS | CA | I/R | FT-M | FP | AFSF | DW-R

***Diagram:*** *Fluorite Lens • Super UD Lens • UD Lens • Aspherical Lens • DO Lens* ***Icons:*** *See "EF Lens Technology" section.*

# Solutions for Specialized Shooting.

Canon's manual focus TS-E (Tilt-Shift) lenses provide tilt capability to alter the plane of focus and shift capability for perspective correction, offering solutions for numerous applications, from architectural to studio photography. Canon also offers a range of close-up, high-magnification shooting solutions with a lineup of outstanding macro lenses and accessories.

EF LENSES for EOS Cameras

## Tilt-Shift



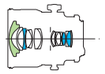
**TS-E 17mm f/4L**



UD 2 · AL 1 · CA · I/R · Float · SWC



**TS-E 24mm f/3.5L II**



UD 3 · AL 1 · CA · I/R · Float · SWC



**TS-E 45mm f/2.8**



I/R · Float



**TS-E 90mm f/2.8**



## Macro



**EF 50mm f/2.5 Compact Macro**



Float



**EF-S 60mm f/2.8 Macro USM***



CA · I/R · Float · FT-M



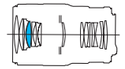
**MP-E 65mm f/2.8 1–5x Macro Photo**



UD 1 · Float



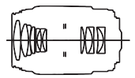
**EF 100mm f/2.8L Macro IS USM**



UD 1 · OIS · CA · I/R · FT-M · DW-R



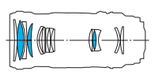
**EF 100mm f/2.8 Macro USM**



I/R · Float · FT-M



**EF 180mm f/3.5L Macro USM**



UD 3 · I/R · Float · FT-M



**Life-Size Converter EF**





*TS-E 24mm f/3.5L II • f/14 • 21.0 sec.*

*Diagram:* ● *Super UD Lens* ● *UD Lens* ● *Aspherical Lens* ***Icons:*** *See "EF Lens Technology" section.*

** For EOS 7D Mark II, 7D, 80D, 70D, 60D, 60Da, 50D, 40D, 30D, 20D, 20Da, Rebel T6s, T6i, T5i, T4i, SL1, T3i, T2i, T6, T5, T3, T1i, XSi, XS and all versions of EOS Digital Rebel only.*



# Canon Optics, Made Compact.

Designed specifically for use with EOS M series cameras, EF-M lenses combine versatility and Canon optics in a portable package. With zooms ranging from wide-angle to telephoto, fixed lenses and even the first macro lens with a built in Macro Lite, EF-M lenses provide diminutive designs and excellent quality to complement the compact performance of EOS M series cameras.

EF LENSES for EOS M Series Cameras

## Ultra Wide Zoom



**EF-M 11–22mm f/4–5.6 IS STM***



UD 1 · AL 2 · OIS · STM · DIS · CA · I/R · FT-M

## Wide-Angle



**EF-M 22mm f/2 STM***



AL 1 · STM · CA · Float · FT-M

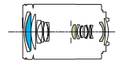


*EF-M 28mm f/3.5 Macro IS STM • f/7.1 • 0.5 sec. (Macro Lite **ON** - Both Lights Illuminated)*

## Standard Zoom



**EF-M 18–150mm f/3.5–6.3 IS STM***



UD 1 · AL 2 · OIS · STM · DIS · CA · I/R · FT-M



**EF-M 15–45mm f/3.5–6.3 IS STM***



AL 1 · OIS · STM · CA · I/R · FT-M



**EF-M 18–55mm f/3.5–5.6 IS STM***

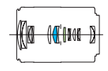


AL 3 · OIS · DIS · STM · CA · I/R

## Telephoto Zoom



**EF-M 55–200mm f/4.5–6.3 IS STM***



UD 1 · AL 1 · OIS · STM · CA · I/R · FT-M

## Macro



**EF-M 28mm f/3.5 Macro IS STM***



UD 1 · AL 2 · OIS · STM · CA · I/R · FT-M

## Mount Adapter



**Mount Adapter EF-EOS M***

The optical Mount Adapter EF-EOS M makes EOS M series digital cameras compatible with the entire line of Canon's EF and EF-S lenses.

*Diagram:* ● *Super UD Lens* ● *UD Lens* ● *Aspherical Lens* ***Icons:*** *See "EF Lens Technology" section.*

** For EOS M series digital cameras only.*

# EF Lens Chart

| CANON EF LENS SPECIFICATIONS | Apparent Focal length (mm) APS-C | Apparent Focal length (mm) APS-H | Focus Drive | Angle of View (Diagonal) 35mm | Angle of View (Diagonal) APS-C | Angle of View (Diagonal) APS-H | Lens Construction (Groups/ Elements) | Minimum Aperture (f) | Filter Diameter (mm) | Closest Focusing Distance (ft.) | Closest Focusing Distance (m) | Length (in.) | Length (mm) | Weight (oz.) | Weight (g) | Lens Hood | Lens Cap | Case |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **EF/EF-S Lenses** | | | | | | | | | | | | | | | | | | |
| **Standard Zoom** | | | | | | | | | | | | | | | | | | |
| • EF-S 15–85mm f/3.5–5.6 IS USM †† | 24–136 | N/A | Ultrasonic | N/A | 84°30′–18°25′ | N/A | 12/17 | 36 | 72 | 1.15 | 0.35 | 3–7/16 | 87.5 | 20.3 | 575 | EW-78E | E-72U | LP1116 |
| • EF-S 17–55mm f/2.8 IS USM †† | 27–88 | N/A | Ultrasonic | N/A | 78°30′–27°50′ | N/A | 12/19 | 22 | 77 | 1.5 | 0.45 | 4–2/5 | 110.6 | 22.8 | 645 | EW-83J | E-77U | – |
| • EF-S 17–85mm f/4–5.6 IS USM †/†† | 27–136 | N/A | Ultrasonic | N/A | 78°30′–18°25′ | N/A | 12/17 | 22 | 67 | 1.1 | 0.35 | 3–5/8 | 92.0 | 1.1 lbs. | 475 | EW-73B | E-67U | LP1116 |
| • EF-S 18–55mm f/3.5–5.6 IS STM †† | 29–88 | N/A | STM | N/A | 74°20′–27°50′ | N/A | 11/13 | 22–38 | 58 | 0.82 | 0.25 | 3.0 | 75.2 | 7.2 | 205 | EW-63C | E-58 II | LP1016 |
| • EF-S 18–55mm f/3.5–5.6 IS †† / IS II †† | 29–88 | N/A | MM | N/A | 74°20′–27°50′ | N/A | 9/11 | 22 | 58 | 0.82 | 0.25 | 2–3/4 | 68.5 | 7.8 | 200 | EW-60C | E-58 | LP814 |
| • EF-S 18–55mm f/3.5–5.6 †/†† / IS II †/†† | 29–88 | N/A | Ultrasonic | N/A | 74°20′–27°50′ | N/A | 9/11 | 22–38 | 58 | 0.92 | 0.28 | 2–5/8 | 66.2 | 6.7 | 190 | EW-60C | E-58U | LP814 |
| • EF-S 18–55mm f/3.5–5.6 †† *** | 29–88 | N/A | MM | N/A | 74°20′–27°50′ | N/A | 9/11 | 22–38 | 58 | 0.92 | 0.28 | 2–5/8 | 66.2 | 6.7 | 190 | EW-60C | E-58U | LP814 |
| • EF-S 18–135mm f/3.5–5.6 IS USM †† | 29–216 | N/A | Nano-USM | N/A | 74°20′–11°30′ | N/A | 12/16 | 22–36 | 67 | 1.3 | 0.39 | 3.8 | 96 | 18.2 | 515 | EW-73D | E-67 II | LP1116 |
| • EF-S 18–135mm f/3.5–5.6 IS STM †† | 29–216 | N/A | STM | N/A | 74°20′–11°30′ | N/A | 12/16 | 22–36 | 67 | 1.3 | 0.39 | 3.8 | 96 | 16.9 | 480 | EW-73B | E-67 | LP1116 |
| • EF-S 18–135mm f/3.5–5.6 IS †† | 29–216 | N/A | MM | N/A | 74°20′–11°30′ | N/A | 12/16 | 36 | 67 | 1.5 | 0.45 | 4 | 101 | 16.0 | 455 | EW-73B | E-67 | LP1116 |
| EF-S 18–200mm f/3.5–5.6 IS †† | 29–320 | N/A | DC motor | N/A | 74°20′–07°48′ | N/A | 12/16 | 22-36 | 72 | 1.5 | 0.45 | – | 102 | 21.0 | 595 | EW-78D | E-72 | LP1116 |
| • EF 22–55mm f/4–5.6 USM † | 35–88 | 29–72 | Ultrasonic | 88°56′–42°52′ | 63°38′–27°52′ | 75°03′–34°09′ | 9/9 | 22–32 | 58 | – | 0.35 | 4–7/8 | – | – | 175 | – | – | – |
| EF 24–70mm f/2.8L USM | 38–112 | 31–91 | Ultrasonic | 84°–34° | 59°15′–22°04′ | 70°18′–27°08′ | 13/16 | 22 | 77 | 1.25 | 0.38 | 4.4 | 123.5 | 2.1 lbs. | 950 | EW-83F | E-77U | LP1219 |
| • EF 24–70mm f/2.8L II USM | 38–112 | 31–91 | Ultrasonic | 84°–34° | 59°15′–22°04′ | N/A | 13/18 | 22 | 82 | 1.25 | 0.38 | 2–3/4 | 113 | 28.4 | 805 | EW-88C | E-82U | LP1219 |
| • EF 24–70mm f/4L IS USM | 38–112 | 31–91 | Ultrasonic | 84°–34° | 59°15′–22°04′ | 70°18′–27°08′ | 12/15 | 22 | 77 | 1.25 | 0.38 | 3.7 | 93 | 21 | 600 | EW-83L | E-77 II | LP1219 |
| • EF 24–85mm f/3.5–4.5 USM † | 38–136 | 31–111 | Ultrasonic | 84°–28°30′ | 59°15′–18°14′ | 70°18′–22°29′ | 12/15 | 22–32 | 67 | 1.6 | 0.5 | 3–5/16 | 69.5 | 13.4 | 380 | EW-73II | E-67U | LP1014 |
| • EF 24–105mm f/3.5–5.6 IS STM | 38–168 | 31–136 | STM | 84°–23°20′ | 59°15′–14°48′ | 70°18′–18°17′ | 13/17 | 22–36 | 77 | 1.3 | 0.4 | 4.1 | 104 | 18.52 | 525 | EW-83M | E-77II | LP1219 |
| NEW • EF 24–105mm f/4L IS II USM | 38–168 | 31–136 | Ultrasonic | 84°–23°20′ | 59°15′–14°48′ | 70°18′–18°17′ | 12/17 | 22 | 77 | 1.5 | 0.45 | 4.7 | 118 | 28.04 | 795 | EW-83M | E-77 II | LP1219 |
| • EF 24–105mm f/4L IS USM | 38–168 | 31–136 | Ultrasonic | 84°–23°20′ | 59°15′–14°48′ | 70°18′–18°17′ | 13/18 | 22–27 | 77 | 1.5 | 0.45 | 4–5/8 | 107 | 1.5 lbs. | 670 | EW-83H | E-77U | LP1219 |
| EF 28–70mm f/2.8L USM † | 45–112 | 36–91 | Ultrasonic | 75°–34° | 51°58′–22°04′ | 62°13′–27°08′ | 11/16 | 22 | 77 | 1.6 | 0.5 | – | 117.6 | 1.9 lbs. | 880 | EW-83B | E-77U | – |
| EF 28–70mm f/3.5–4.5 † | 45–112 | 36–91 | MM | 75°–34° | 51°58′–22°04′ | 62°13′–27°08′ | 9/10 | 29 | 52 | – | 0.39 | 2–13/16 | – | – | 300 | – | – | – |
| EF 28–80mm f/3.5-5.6 IV USM † / V USM † | 45–128 | 36–104 | Ultrasonic | 75°–30° | 51°58′–19°21′ | 62°13′–25°51′ | 10/10 | 22–38 | 58 | 1.25 | 0.38 | 2–13/16 | 71.2 | 7.8 | 200 | EW-60C | E-58 | LP814 |
| EF 28–80mm f/3.5–5.6 II † / III † | 45–128 | 36–104 | MM | 75°–30° | 51°58′–19°21′ | 62°13′–25°51′ | 10/10 | 22–38 | 58 | 1.25 | 0.38 | 2–13/16 | 71.2 | 7.8 | 200 | EW-60C | E-58 | LP814 |
| • EF 28–80mm f/3.5–5.6 † | 45–128 | 36–104 | MM | 75°–30° | 51°58′–19°21′ | 62°13′–25°51′ | 10/10 | 22–38 | 58 | 1.25 | 0.38 | 2–13/16 | 71.2 | 7.8 | 200 | EW-60C | E-58 | LP814 |
| • EF 28–90mm f/4–5.6 USM † / II USM † | 45–144 | 36–117 | MM/Ultrasonic | 75°–27° | 51°58′–17°14′ | 62°13′–21°16′ | 8/10 | 22–32 | 58 | 1.3 | 0.38 | 2–13/16 | 71.0 | 6.7 | 190 | EW-60C | E-58U/E-58 | LP814 |
| • EF 28–90mm f/4–5.6 USM † | 45–144 | 36–117 | Ultrasonic | 75°–27° | 51°58′–17°14′ | 62°13′–21°16′ | 8/10 | 22–32 | 58 | 1.3 | 0.38 | 3 | 71.0 | 6.7 | 190 | EW-60C | E-58 | LP814 |
| • EF 28–105mm f/3.5–4.5 USM † / II USM | 45–168 | 36–136 | Ultrasonic | 75°–23°20′ | 51°58′–14°48′ | 62°13′–18°17′ | 12/15 | 22–27 | 58 | 1.6 | 0.5 | 2–11/16 | 75.0 | 13.1 | 375 | EW-63II | E-58U | LP814 |
| • EF 28–105mm f/4–5.6 USM † | 45–168 | 36–136 | Ultrasonic | 75°–23°20′ | 51°58′–14°48′ | 62°13′–18°17′ | 9/10 | 22–32 | 58 | 1.57 | 0.48 | 3–13/16 | 68.0 | 7.4 | 210 | EW-63B | E-58U | LP814 |
| • EF 28–135mm f/3.5–5.6 IS USM † | 45–216 | 36–176 | Ultrasonic | 75°–18° | 51°58′–11°32′ | 62°13′–14°16′ | 12/16 | 22–36 | 72 | 1.64 | 0.5 | 3–1/2 | 96.8 | 1.2 lbs. | 540 | EW-78BII | E-72U | LP1116 |
| • EF 28–200mm f/3.5–5.6 USM † | 45–320 | 36–260 | Ultrasonic | 75°–12° | 51°58′–07°48′ | 62°13′–09°39′ | 12/16 | 22–36 | 72 | 1.5 | 0.45 | 2–1/2 | 89.6 | 1.1 lbs. | 500 | EW-78D | E-72U | LP1116 |
| • EF 35–80mm f/4–5.6 II / III † / USM † | 56–128 | 46–104 | MM | 63°–30° | 42°36′–19°21′ | 51°32′–23°51′ | 8/8 | 22–32 | 52 | 1.3 | 0.4 | 3–3/8 | 63.5 | 6.2 | 175 | EW-54II | E-52 | LP814 |
| EF 35–135mm f/4–5.6 USM † | 56–216 | 46–176 | Ultrasonic | 63°–18° | 42°36′–11°32′ | 51°32′–14°16′ | 12/14 | 22–32 | 58 | 2.5 | 0.75 | | 86.0 | 15.0 | 425 | EW-62 | – | – |
| **Telephoto Zoom** | | | | | | | | | | | | | | | | | | |
| • EF 28–300mm f/3.5–5.6L IS USM | 45–480 | 36–390 | Ultrasonic | 75°–8°15′ | 51°58′–5°12′ | 62°13′–06°26′ | 16/22 | 38 | 77 | 2.3 | 0.7 | 7–1/4 | 184.0 | 3.7 lbs. | 1,670 | EW-83G | E-77U | LZ1324 |
| EF 35–350mm f/3.5–5.6L USM † | 56–560 | 46–455 | Ultrasonic | 63°–07°03′ | 42°36′–04°28′ | 51°32′–05°31′ | 15/21 | 22–32 | 72 | 2.0 | 0.6 | 6–9/16 | 167 | 3.0 lbs. | 1,385 | EW-78 | E-72U | – |
| EF 55–200mm f/4–5.6 USM † / II USM † | 88–320 | 72–260 | Ultrasonic | 43°–12° | 27°–07°48′ | 34°09′–09°39′ | 13/13 | 22–29 | 52 | 3.9 | 1.2 | 3–13/16 | 97.3 | 10.9 | 310 | EF-54 | E-52U | LP1016 |
| • EF-S 55–250mm f/4–5.6 IS STM †† | 88–400 | N/A | STM | N/A | 27°50′–6°15′ | N/A | 10/12 | 22–32 | 58 | 3.6 | 1.1 | 4.3 | 108 | 13.8 | 390 | EF-60 | E-58 | LP1019 |
| • EF-S 55–250mm f/4–5.6 IS † / IS II †† | 88–400 | N/A | DC motor | N/A | 27°5′–6°15′ | N/A | 10/12 | 22–32 | 58 | 3.6 | 1.1 | 4.3 | 108 | 13.8 | 390 | EF-60 | E-58 | LP1019 |
| • EF 70–200mm f/2.8L IS II USM Δ | 112–320 | 91–260 | Ultrasonic | 34°–12° | 22°04′–07°48′ | 27°08′–09°39′ | 19/23 | 32 | 77 | 3.9 | 1.2 | 7.8 | 199 | 3.3 lbs. | 1,490 | EF-87 | E-77U | LZ1326 |
| • EF 70–200mm f/2.8L USM † / IS USM Δ | 112–320 | 91–260 | Ultrasonic | 34°–12° | 22°04′–07°48′ | 27°08′–09°39′ | 18/23 | 32 | 77 | 4.6 | 1.4 | 7–13/16 | 197.0 | 3.2 lbs. | 1,470 | EF-86 | E-77U | LZ1324 |
| • EF 70–200mm f/4L IS USM | 112–320 | 91–260 | Ultrasonic | 34°–12° | 22°04′–07°48′ | 27°08′–09°39′ | 15/20 | 32 | 67 | 3.9 | 1.2 | 6–7/8 | 172.0 | 26.8 | 760 | EF-74 | E-67U | LP1224 |
| • EF 70–200mm f/4L USM ΔΔ | 112–320 | 91–260 | Ultrasonic | 34°–12° | 22°04′–07°48′ | 27°08′–09°39′ | 13/16 | 32 | 67 | 3.9 | 1.2 | 6–7/8 | 172.0 | 19.2 | 705 | EF-74 | E-67U | LP1224 |
| EF 70–300mm f/4–5.6L IS USM **** | 112–480 | 91–390 | Ultrasonic | 34°–8°15′ | 22°04′–05°12′ | 27°08′–06°26′ | 14/19 | 32 | 67 | 3.9 | 1.2 | 5.6 | 143 | 27.8 | 788 | EF-73B | E-67U | LP1424 |
| • EF 70–300mm f/4.5–5.6 DO IS USM | 112–480 | 91–390 | Ultrasonic | 34°–8°15′ | 22°04′–05°12′ | 27°08′–06°26′ | 12/18 | 32–38 | 58 | 4.6 | 1.4 | 3–7/8 | 99.0 | 1.6 lbs. | 720 | EF-65B | E-58U | LP1116 |
| NEW • EF 70–300mm f/4–5.6 IS II USM | 112–480 | 91–390 | Nano-USM | 34°–8°15′ | 22°04′–05°12′ | 27°08′–06°26′ | 12/17 | 32 | 67 | 3.9 | 1.2 | 5.73 | 145.5 | 25.04 | 710 | EF-74B | E-67 II | LP1222 |
| • EF 70–300mm f/4–5.6 IS USM | 112–480 | 91–390 | Ultrasonic | 34°–8°15′ | 22°04′–05°12′ | 27°08′–06°26′ | 10/15 | 32–45 | 58 | 4.9 | 1.5 | 5–7/16 | 137.2 | 1.4 lbs. | 630 | EF-65B | E-58U | LP1222 |
| EF 75–300mm f/4–5.6 IS USM † | 120–480 | 98–390 | Ultrasonic | 32°11′–8°15′ | 20°37′–05°12′ | 25°23′–06°26′ | 10/15 | 32–45 | 58 | 4.9 | 1.5 | 5–7/16 | 137.2 | 1.4 lbs. | 650 | EF-64II | E-58U | LP1022 |
| • EF 75–300mm f/4–5.6 III / III USM / IS USM † | 120–480 | 98–390 | MM/Ultrasonic | 32°11′–8°15′ | 20°37′–05°12′ | 25°23′–06°26′ | 9/13 | 32–45 | 58 | 4.9 | 1.5 | 4–13/16 | 122.0 | 1.1 lbs. | 480 | EF-60 | E-58U | LP1019 |
| EF 75–300mm f/4–5.6 USM | 120–480 | 98–390 | Ultrasonic | 32°11′–8°15′ | 20°37′–05°12′ | 25°23′–06°26′ | 10/15 | 32–45 | 58 | 4.9 | 1.5 | 5–7/16 | 137.2 | 1.4 lbs. | 650 | EF-64II | E-58U | LP1022 |
| EF 80–200mm f/2.8L † | 160–480 | 130–390 | AFD | 30°–12° | 19°21′–07°48′ | 25°31′–09°39′ | 13/16 | 32 | 72 | 5.9 | 1.8 | 7–5/16 | 186 | 2.9 lbs. | 1330 | ES-79 | – | – |
| • EF 80–200mm f/4.5–5.6 II † / USM † | 128–320 | 104–260 | MM/Ultrasonic | 30°–12° | 19°21′–07°48′ | 25°31′–09°39′ | 7/10 | 22–27 | 52 | 4.9 | 1.5 | 3–1/8 | 78.5 | 8.8 | 250 | EF-54 | E-52 | LP1014 |
| EF 100–300mm f/4.5–5.6 USM † | 160–480 | 130–390 | Ultrasonic | 24°–8°15′ | 15°32′–05°12′ | 19°11′–06°26′ | 10/13 | 32–38 | 58 | 4.9 | 1.5 | 4–3/4 | 121.5 | 1.2 lbs. | 540 | EF-65III | E-58U | LP1019 |
| • EF 100–300mm f/5.6 L † | 160–480 | 130–390 | AFD | 24°–8°15′ | 15°32′–05°12′ | 19°11′–06°26′ | 10/15 | 32 | 58 | 4.6 | 1.4 | 6–9/16 | 167 | 1.5 lbs. | 695 | EF-62II | – | – |
| • EF 100–400mm f/4.5–5.6L IS II USM | 160–640 | 130–520 | Ultrasonic | 24°–6°10′ | 15°32′–03°54′ | 19°11′–04°50′ | 16/21 | 32–38 | 77 | 3.2 | 0.98 | 7.6 | 193 | 55.38 | 1,570 | EF-83D | E-77 II | LZ1326 |
| EF 100–400mm f/4.5–5.6L IS USM ΔΔΔ | 160–640 | 130–520 | Ultrasonic | 24°–6°10′ | 15°32′–03°54′ | 19°11′–04°50′ | 14/17 | 32–38 | 77 | 5.9 | 1.8 | 7–7/16 | 189.0 | 3.0 lbs. | 1,360 | EF-83C | E-77U | LZ1324 |
| **Wide-Angle** | | | | | | | | | | | | | | | | | | |
| • EF 14mm f/2.8L II USM | 22 | 18 | Ultrasonic | 114° | 88°32′ | 100°43′ | 11/14 | 22 | Gelatin | 0.66 | 0.2 | 3–3/4 | 116.0 | 22.8 | 645 | Built-in | Exclusive | LP1016 |
| • EF 14mm f/2.8L USM ‡ | 22 | 18 | Ultrasonic | 114° | 88°32′ | 100°43′ | 10/14 | 22 | Gelatin | 0.8 | 0.25 | 3–1/2 | 89.0 | 1.2 lbs. | 560 | Built-in | Exclusive | LP1016 |
| EF 15mm f/2.8 Fisheye † | 24 | 20 | AFD | 180° | 108°15′ | 137°08′ | 7/8 | 22 | Gelatin | 0.7 | 0.2 | 2–7/16 | 62.2 | 11.6 | 330 | Built-in | E-73 | LP814 |
| • EF 20mm f/2.8 USM | 32 | 26 | Ultrasonic | 94° | 68°37′ | 80°23′ | 9/11 | 22 | 72 | 0.8 | 0.25 | 2–13/16 | 70.6 | 14.3 | 405 | EW-75II | E-72U | LP1214 |
| • EF 24mm f/1.4L II USM | 38 | 31 | Ultrasonic | 84° | 59°15′ | 70°18′ | 10/13 | 22 | 77 | 0.8 | 0.25 | 3.4 | 86.9 | 22.9 | 650 | EW-83K | E-77U | LP1319 |
| • EF 24mm f/1.4L USM † | 38 | 31 | Ultrasonic | 84° | 59°15′ | 70°18′ | 9/11 | 22 | 77 | 0.82 | 0.25 | 3 | 77.4 | 1.2 lbs. | 550 | EW-83DII | E-77U | LP1214 |
| • EF 24mm f/2.8 IS USM ‡ | 38 | 31 | Ultrasonic | 84° | 59°15′ | 70°18′ | 9/11 | 22 | 58 | 0.66 | 0.2 | 2.2 | 55.7 | 9.9 | 280 | EW-65B | E-58U | LP1014 |
| EF-S 24mm f/2.8 STM †† | 38 | 31 | STM | 84° | 59°10′ | 70°18′ | 5/6 | 22 | 52 | 0.52 | 0.16 | 0.9 | 22.8 | 4.4 | 125 | ES-52 | E-52 II | LP811 |
| EF 24mm f/2.8 † | 38 | 31 | AFD | 84° | 59°15′ | 70°18′ | 10/10 | 22 | 58 | 0.8 | 0.25 | 1–7/8 | 48.5 | 9.5 | 270 | EW-60II | E-58 | LP811 |
| • EF 28mm f/1.8 USM | 45 | 36 | Ultrasonic | 75° | 51°58′ | 62°13′ | 9/10 | 22 | 58 | 0.8 | 0.25 | 2–3/16 | 55.6 | 10.9 | 310 | EW-63II | E-58U | LP814 |
| • EF 28mm f/2.8 IS USM ‡ | 45 | 36 | Ultrasonic | 75° | 51°58′ | 62°13′ | 7/9 | 22 | 58 | 0.75 | 0.23 | 2 | 51.5 | 9.2 | 260 | EW-65B | E-58U | LP1014 |
| EF 28mm f/2.8 † | 45 | 36 | AFD | 75° | 51°58′ | 62°13′ | 5/5 | 22 | 52 | 1.0 | 0.3 | 1–11/16 | 42.5 | 6.5 | 185 | EW-65II | E-52 | LP1014 |
| • EF 35mm f/1.4L II USM | 56 | 46 | Ultrasonic | 63° | 42°36′ | 51°32′ | 11/14 | 22 | 72 | 0.92 | 0.28 | 4.2 | 105.5 | 26.8 | 760 | EW-77B | E-72 II | LP1219 |
| • EF 35mm f/1.4L USM | 56 | 46 | Ultrasonic | 63° | 42°36′ | 51°32′ | 9/11 | 22 | 72 | 0.98 | 0.25 | 3–2/5 | 86.0 | 1.3 lbs. | 580 | EW-78C | E-72U | LP1214 |
| EF 35mm f/2 IS USM | 56 | 46 | Ultrasonic | 63° | 42°6′ | 51°32′ | 8/10 | 22 | 67 | 0.79 | 0.24 | 2.5 | 62.6 | 11.8 | 335 | EW-72 | E-67 II | LP1116 |
| EF 35mm f/2 † | 56 | 46 | AFD | 63° | 42°36′ | 51°32′ | 5/7 | 22 | 52 | 0.8 | | 1–11/16 | 42.5 | 7.4 | 210 | EW-65II | E-52 | LP1011 |

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*‡ Please be advised that when EF 24mm f/2.8 IS USM and EF 28mm f/2.8 IS USM are used with EOS-1D Mark IV, the firmware of the camera should be updated to version 1.1.1 or later. The update helps to optimize the exposure accuracy. Firmware updates are available on each individual product's webpage on the Canon website. See* ***usa.canon.com/consumer*** *for our full line of products. † Discontinued. †† Compatible only with EOS 7D Mark II, 7D, 80D, 70D, 60D, 60Da, 50D, 40D, 30D, 20D, 20Da, Rebel T6s/T6i/T5i/T4i/SL1/T3i/T2i/T5/T3/T1i/XSi/XS and Digital Rebel XTi/XT only. # With Adapter Ring. • Incorporates distance information with E-TTL II. * TS-E AND MP-E lenses are manual focus only, with automatic diagram. ** Life Size Converter EF is for exclusive use with 50mm f/2.5 Compact Macro. *** Available only with the EOS 40D, 30D, 20D and Digital Rebel Kit. **** Not compatible with tele-extenders. Δ Compatible with Extenders EF 1.4x II/III and 2x II/III. ΔΔ Compatible with Extenders EF 1.4x II/III and 2x II/III (manual focus available only when Extender EF 2x II/III is used). ΔΔΔ Compatible with Extenders EF 1.4x II/III and 2x II/III, but manual focus only. ΔΔΔΔ Compatible with Extenders EF 1.4x II/III and 2x II/III, but manual focus available only when EF 1.4x II/III is used and when focused closer than 2.6 feet.*



| CANON EF LENS SPECIFICATIONS | Apparent Focal length (mm) APS-C | Apparent Focal length (mm) APS-H | Focus Drive | Angle of View (Diagonal) 35mm | Angle of View (Diagonal) APS-C | Angle of View (Diagonal) APS-H | Lens Construction (Groups/ Elements) | Minimum Aperture (f) | Filter Diameter (mm) | Closest Focusing Distance (ft.) | Closest Focusing Distance (m) | Length (in.) | Length (mm) | Weight (oz.) | Weight (g) | Lens Hood | Lens Cap | Case |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Ultra-Wide Zoom** | | | | | | | | | | | | | | | | | | |
| • EF 8–15mm f/4L Fisheye USM | 13–24 | 1 | Ultrasonic | 180°0′–175°30′ | 180° @ approx. 10mm | 180° @ approx. 12mm | 11/14 | 22 | Gelatin | 0.49 | 0.15 | 3.3 | 83 | 19.1 | 540 | EW-77 | 8-15 | LP1219 |
| • EF-S 10–18mm f/4.5–5.6 IS STM †† | 16–29 | N/A | STM | N/A | 107°30′–74°20′ | N/A | 11/14 | 22–29 | 67 | 0.72 | 0.22 | 2.8 | 72 | 8.5 | 240 | EW-73C | E-67 II | LP1116 |
| • EF-S 10–22mm f/3.5–4.5 USM †† | 16–35 | N/A | Ultrasonic | N/A | 107°30′–63°30′ | N/A | 10/13 | 22 | 77 | 0.8 | 0.24 | 3–1/2 | 89.8 | 13.6 | 385 | EW-83E | E-77U | LP1319 |
| NEW • EF 11–24mm f/4L USM | 17.6–38.4 | 14.3–31.2 | Ultrasonic | 126°05′–84° | N/A | N/A | 11/16 | 22 | Gelatin | 0.92 | 0.28 | 5.2 | 132.0 | 41.6 | 1,180 | Built-in | 11-24 | LP1424 |
| • EF 16–35mm f/2.8L III USM | 26–56 | 21–45 | Ultrasonic | 108°10′–63° | 80°56′–42°36′ | 93°08′–51°32′ | 11/16 | 22 | 82 | 0.92 | 0.28 | 5.0 | 127.5 | 27.9 | 790 | EW-88D | E-82 II | LP1222 |
| • EF 16–35mm f/2.8L II USM | 26–56 | 21–45 | Ultrasonic | 108°10′–63° | 80°56′–42°36′ | 93°08′–51°32′ | 12/16 | 22 | 82 | 0.92 | 0.28 | 4–2/5 | 111.6 | 22.4 | 635 | EW-88 | E-82U | LP1319 |
| EF 16–35mm f/2.8L USM † | 26–56 | 21–45 | Ultrasonic | 108°10′–63° | 80°56′–42°36′ | 93°08′–51°32′ | 10/14 | 22 | 77 | 0.9 | 0.28 | 4-1/8 | 103 | 1.3 lbs. | 600 | EW-83E | E-77U | LP1319 |
| • EF 16–35mm f/4L IS USM | 26–56 | 21–45 | Ultrasonic | 108°10′–63° | 80°56′–42°36′ | 93°08′–51°32′ | 12/16 | 22 | 77 | 0.92 | 0.28 | 4.4 | 112.8 | 21.7 | 615 | EW-82 | E-77 II | LP1219 |
| EF 17–35mm f/2.8L USM † | 27–56 | 22–46 | Ultrasonic | 104°–63° | 78°30′–42°36′ | 89°39′–51°32′ | 10/15 | 22 | 77 | 1.38 | 0.42 | 3–3/4 | 95.7 | 19.1 | 545 | EW-83C | E-77U | – |
| • EF 17–40mm f/4L USM | 27–64 | 22–52 | Ultrasonic | 104°–57°30′ | 78°30′–37°41′ | 89°39′–45°48′ | 9/12 | 22 | 77 | 0.92 | 0.28 | 3–3/4 | 96.8 | 1.1 lbs. | 475 | EW-83E | E-77U | LP1319 |
| EF 20–35mm f/2.8 USM † | 32–56 | 26–46 | AFD | 94°–63° | 78°37′–42°36′ | 80°23′–51°32′ | 12/15 | 22 | 72 | 1.6 | 0.5 | 3–1/2 | 89.0 | 1.2 lbs. | 540 | EW-75 | – | – |
| • EF 20–35mm f/3.5–4.5 USM † | 32–56 | 26–46 | Ultrasonic | 94°–63° | 68°37′–42°36′ | 80°23′–51°32′ | 11/12 | 22-27 | 77 | 1.1 | 0.34 | 2–3/4 | 68.9 | 11.9 | 340 | EW-83II | E-77U | LP1214 |
| **Standard & Medium Telephoto** | | | | | | | | | | | | | | | | | | |
| • EF 40mm f/2.8 STM | 64 | 52 | STM | 57°30′ | 37°41′ | 45°48′ | 4/6 | 22 | 52 | 0.98 | 0.3 | 0.9 | 22.8 | 4.6 | 130 | ES-52 | E-52 | LP811 |
| • EF 50mm f/1.0L USM † | 80 | 65 | Ultrasonic | 46° | 30°32′ | 37°21′ | 9/11 | 16 | – | 2.0 | 0.6 | 3–3/16 | 81.5 | 2.2 lbs. | 985 | ES-79 | E-72U | – |
| EF 50mm f/1.2L USM | 80 | 65 | Ultrasonic | 46° | 30°32′ | 37°21′ | 6/8 | 16 | 72 | 1.5 | 0.45 | 2.58 | 65.5 | 18.7 | 580 | ES-78 | E-72U | LP1214 |
| EF 50mm f/1.4 USM | 80 | 65 | Ultrasonic | 46° | 30°32′ | 37°21′ | 6/7 | 22 | 58 | 1.5 | 0.45 | 2 | 50.5 | 10.2 | 290 | ES-71II | E-58U | LP1014 |
| EF 50mm f/1.8 STM | 80 | 65 | STM | 46° | 30°32′ | 37°21′ | 5/6 | 22 | 49 | 1.15 | 0.35 | 1.6 | 39.3 | 5.7 | 160 | ES-68 | E-49 | LP1014 |
| EF 50mm f/1.8 II | 80 | 65 | MM | 46° | 30°32′ | 37°21′ | 5/6 | 22 | 52 | 1.5 | 0.45 | 1–5/8 | 41.0 | 4.6 | 130 | ES-62# | E-52 | LP1014 |
| • EF 50mm f/1.8 † | 80 | 65 | MM | 46° | 30°32′ | 37°21′ | 5/6 | 22 | 52 | 1.5 | 0.45 | 1–5/8 | 41.0 | 4.6 | 130 | ES-62# | E-52 | LP1014 |
| • EF 85mm f/1.2L II USM / USM † | 136 | 111 | Ultrasonic | 28°30′ | 18°14′ | 22°29′ | 7/8 | 16 | 72 | 3.2 | 0.95 | 3–5/16 | 84.0 | 2.3 lbs. | 1,025 | ES-79II | E-72U | LP1219 |
| • EF 85mm f/1.8 USM | 136 | 111 | Ultrasonic | 28°30′ | 18°14′ | 22°29′ | 7/9 | 22 | 58 | 2.8 | 0.85 | 2–13/16 | 71.5 | 15.0 | 425 | EF-65III | E-58U | LP1014 |
| EF 100mm f/2 USM | 160 | 130 | Ultrasonic | 24° | 15°32′ | 19°11′ | 6/8 | 22 | 58 | 3.0 | 0.9 | 2–7/8 | 73.5 | 1.0 lb. | 460 | EF-65III | E-58U | LP1014 |
| **Telephoto** | | | | | | | | | | | | | | | | | | |
| • EF 135mm f/2L USM Δ | 216 | 175 | Ultrasonic | 18° | 11°32′ | 14°16′ | 8/10 | 32 | 72 | 3.0 | 0.9 | 4–7/16 | 112.0 | 1.6 lbs. | 750 | ET-78II | E-72U | LP1219 |
| EF 135mm f/2.8 w/ Softfocus | 216 | 175 | AFD | 18° | 11°32′ | 14°16′ | 6/7 | 32 | 52 | 4.3 | 1.3 | 3–7/8 | 98.4 | 13.8 | 390 | ET-65III | E-52 | LP1016 |
| EF 200mm f/1.8L USM † Δ | 320 | 260 | Ultrasonic | 12° | 07°48′ | 09°39′ | 10/12 | 32 | 48 DI | 8.2 | 2.5 | 8–3/16 | 208 | 6.6 lbs. | 3,000 | ET-123 | E-162 | – |
| • EF 200mm f/2L IS USM | 320 | 260 | Ultrasonic | 12° | 07°48′ | 09°39′ | 12/17 | 32 | 52 DI | 6.2 | 1.9 | 8–3/16 | 208 | 5.6 lbs. | 2,520 | ET-120B | E-145B | – |
| • EF 200mm f/2.8L USM † / II USM | 320 | 260 | Ultrasonic | 12° | 07°48′ | 09°39′ | 7/9 | 32 | 72 | 4.9 | 1.5 | 5–3/8 | 136.2 | 1.6 lbs. | 765 | ET-83BII | E-72U | LP1222 |
| EF 300mm f/2.8L IS II USM Δ | 480 | 390 | Ultrasonic | 8°15′ | 05°12′ | 06°26′ | 12/16 | 32 | 52 DI | 6.6 | 2.0 | 9.7 | 247.5 | 5.25 lbs. | 2,400 | ET-120WII | E-145C | 300B |
| • EF 300mm f/2.8L USM † Δ / IS USM † | 480 | 390 | Ultrasonic | 8°15′ | 05°12′ | 06°26′ | 13/17 | 32 | 52 DI | 8.2 | 2.5 | 9–7/8 | 252.0 | 5.6 lbs. | 2,550 | ET-120 | E-145 | – |
| • EF 300mm f/4L USM / IS USM † ΔΔ | 480 | 390 | Ultrasonic | 8°15′ | 05°12′ | 06°26′ | 11/15 | 32 | 77 | 4.9 | 1.5 | 8–11/16 | 221.0 | 2.6 lbs. | 1,190 | Built-in | E-77U | LZ1128 |
| **Super Telephoto** | | | | | | | | | | | | | | | | | | |
| • EF 200–400mm f/4L IS USM Extender 1.4x ΔΔΔ | 1x 320–640 / 1.4x 448–896 | 260–520 / 364–728 | Ultrasonic | 12°–6°10′ / 8°50′–4°25′ | 7°48′–3°54′ / N/A | 9°39′–4°50′ / N/A | 20/25 / 24/33 | 32 | 52 DI | 6.6 | 2.0 | 14.4 | 366 | 127 | 3,620 | ET-120WII | E-145C | Lens Case 200-400 |
| • EF 400mm f/2.8L II USM Δ | 640 | 520 | Ultrasonic | 6°10′ | 03°54′ | 04°50′ | 13/17 | 32 | 52 DI | 9.0 | 3.0 | 13–11/16 | 349.0 | 11.7 lbs. | 5,300 | ET-155 | E-180C | – |
| • EF 400mm f/4 DO IS II USM Δ | 640 | 520 | Ultrasonic | 6°10′ | 03°54′ | 04°50′ | 12/18 | 32 | 52 DI | 10.83 | 3.3 | 9.16 | 232.7 | 4.6 lbs. | 2,100 | ET-120WII | E-145C | 400D |
| • EF 400mm f/4 DO IS USM † ΔΔ | 640 | 520 | Ultrasonic | 6°10′ | 03°54′ | 04°50′ | 13/17 | 32 | 52 DI | 11.48 | 3.5 | 9.16 | 232.7 | 4.3 lbs. | 1,940 | ET-120 | E-145 II | – |
| EF 400mm f/5.6L USM ΔΔΔ | 640 | 520 | Ultrasonic | 6°10′ | 03°54′ | 04°50′ | 6/7 | 32 | 77 DI | 11.5 | 3.5 | 10–1/16 | 256.5 | 2.8 lbs. | 1,250 | Built-in | E-77U | LZ1132 |
| • EF 500mm f/4L IS II USM | 800 | 650 | Ultrasonic | 5° | 03°07′

# The Finest Accessories for Your Lenses.

**To enhance the stellar features of the EF Lens system, there are a number of accessories designed to perform perfectly with your system. Canon offers cases to help protect your lenses, hoods and filters to help control glare, and a number of adapters to further expand the possibilities of your EF lenses and your EOS System.**

## General Purpose



Lens Cases

Lens Hoods

### Lens Cases and Lens Hoods

These functional, rugged cases are indispensable to help protect lenses. Lens hoods help prevent unwanted glare from affecting your photographs.

| Available Sizes |
|---|
| See EF Lens Specifications. |



55mm Protect Filter

### General Purpose Filters

Protect Filters can help protect the front element of your lens from dust, moisture, fingerprints, scratches and impact when mounted.

| Available Sizes |
|---|
| 43mm, 49mm, 52mm, 55mm, 58mm, 67mm, 72mm, 77mm, 82mm. |



52mm Drop-in
Screw Filter Holder 52WII

### Drop-in Screw Filter Holder

A holder for screw-type filters, for use with rear-mounted drop-in filters.

| Type | Available Sizes |
|---|---|
| Drop-in | 48mm, 52mm. Includes clear filter. For super-telephoto lenses. Current IS Super-teles—52mm. Previous super-teles without IS—48mm. |

## Close-up Lenses



*With Close-up Lens*



250D 500D 500

### Close-up Lens 250D/500D/500

The 250D/500D series incorporates double-element achromatic design for maximum optical performance. These screw-in lenses are used to provide a shorter minimum focusing distance with no loss of light. Each lens is optimized for a particular focal length. Manual focus is recommended with these lenses.

| Type | Available Sizes |
|---|---|
| Screw-in | 250D: 52mm, 58mm. Optimized for lenses 50 thru 135mm. 500D/500: 52mm, 72mm, 77mm. Optimized for lenses 70 thru 300mm. |

## Polarizing Filters



*Not using a Circular PL Filter*



*Using a Circular PL Filter emphasizes the blue of the sky*



*Not using a Circular PL Filter*



*Using a Circular PL Filter suppresses the reflection from the surface of the leaves and the surface of the water*



Screw-in

52mm Drop-in
Circular Polarizing
Filter PL-C 52WII

### Circular Polarizing Filter PL-CB/PL-C

Polarizing filters enhance picture quality by blocking harmful reflected light. Use it to reduce light reflections from glass and water surfaces or to improve color saturation. Simple to use, these filters polarize light circularly, rather than linearly, so they do not interfere with autofocus or TTL light metering.

**DROP-IN** — For use with lenses using rear-mounted drop-in filters, this polarizing filter can be rotated from the outside without removing the holder from the lens, helping enable precise control.

| Type | Available Sizes |
|---|---|
| Screw-in | 52mm, 58mm, 67mm, 72mm, 77mm, 82mm |
| Drop-in | 48mm, 52mm. For super-telephoto lenses. Current IS Super-teles—52mm. Previous super-teles without IS—48mm. |



## Extension Tubes



EF 25 II EF 12 II

### Extension Tube EF 25 II & EF 12 II

These close-up accessories are placed between the camera body and lens to help enable high-magnification photography. Eight electronic contact points allow communication between the camera and lens to continue as usual. The magnification differs according to the lens, but for standard zoom lenses it is about 0.3x to 0.5x for the EF 12 and 0.7x or more for the EF 25. By using both tubes effectively, the choice of magnifications can be greatly extended. However, for best results, manual focusing is recommended.

## Power Zoom Adapter

### Power Zoom Adapter PZ-E1

Canon's new Power Zoom Adapter PZ-E1 works with the EF-S 18–135mm f/3.5–5.6 IS USM lens to enhance an EOS camera's video capabilities. It provides a smooth and near-silent powered zooming function that's an ideal complement to the lens's speedy AF.



## Gelatin Filter Holders



Gelatin Filter Hoods IV
Gelatin Filter Holder IV
Gelatin Filter Holder Adapter IV
Gelatin Filter Hoods III
Gelatin Filter Holder III
Gelatin Filter Holder Adapter III

### Gelatin Filter Holder System

This convenient holder system allows the use of commercially available square filters without the need for cutting. The holder attaches to the lens through an adapter that fits the filter diameter. A special hood is available for use with the system. Use with 3-inch square type III and 4-inch square type IV gelatin filters. Gelatin filters can be used with most EF lenses.

**Gelatin Filter Holder III & IV**

| Type | Available Sizes |
|---|---|
| Screw-in | Holder for 3-inch square (III) or 4-inch (IV) gelatin filters. |

**Gelatin Filter Holder Hoods III & IV**

| Type | Available Sizes |
|---|---|
| Screw-in | Lens shades which attach to holder can be stacked with telephoto lenses. |

**Gelatin Filter Holder Adapter III & IV**

| Type | Available Sizes |
|---|---|
| Screw-in | III: 52mm, 58mm, 67mm, 72mm, 77mm.IV: 58mm, 67mm, 72mm, 77mm. |

### Drop-in Gelatin Filter Holder II

Up to three gelatin filters can be placed in these holders. To use, insert a cut piece of gelatin film between the holder's filter frame and pressure clip, and screw on to the lens.



52mm Drop-in
Gelatin Filter Holder 52WII

| Type | Available Sizes |
|---|---|
| Drop-in | 48mm, 52mm. For super-telephoto lenses. Current IS Super-teles—52mm. Previous super-teles without IS—48mm. |

## Mount Adapter

### Mount Adapter EF-EOS M

The optical Mount Adapter EF-EOS M makes EOS M series digital cameras compatible with the entire line of Canon's EF and EF-S lenses for complete versatility, from a fisheye to telephoto and everything in between.



## Loupes

### Loupe 4x

Designed for viewing 35mm film frames at high magnifications, these loupes use a high-performance lens system that help to eliminate all aberration and distortion. They offer diopter adjustment of -4 to +1 dpt, and include an eyecup, hood and case.



Loupe 4x

| Extender EF Specifications | with Extender EF 1.4x III attached | | | | | | with Extender EF 2x III attached | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Apparent Focal Length (mm) | | | f-stop (f) | Maximum Magnification | AF | Apparent Focal Length (mm) | | | f-stop (f) | Maximum Magnification | AF |
| EF Lens Attachment | 35mm | APS-H | APS-C | | | | 35mm | APS-H | APS-C | | | |
| EF 135mm f/2L USM | 189 | 246 | 302 | 2.5–45 | 0.27 | ○ | 270 | 351 | 432 | 4–64 | 0.38 | ○ |
| EF 180mm f/3.5L Macro USM | 252 | 328 | 403 | 4.5–45 | 1.4 | ○ *1 | 360 | 468 | 576 | 6.7–64 | 2.00 | × |
| EF 200mm f/2.8L II USM | 280 | 364 | 448 | 2.5–32 | 0.22 | ○ | 400 | 520 | 640 | 5.6–64 | 0.32 | ○ |
| EF 200mm f/2L IS USM | 280 | 364 | 448 | 2.8–45 | 0.18 | ○ | 400 | 520 | 640 | 4–64 | 0.24 | ○ *4 |
| EF 300mm f/2.8L IS II USM | 420 | 546 | 672 | 4–45 | 0.15 | ○ | 600 | 780 | 960 | 5.6–64 | 0.28 | ○ |
| EF 300mm f/2.8L IS USM | 420 | 546 | 672 | 4–45 | 0.15 | ○ | 600 | 780 | 960 | 5.6–64 | 0.28 | ○ |
| EF 300mm f/4L IS USM | 420 | 546 | 672 | 5.6–45 | 0.33 | ○ | 600 | 780 | 960 | 8–64 | 0.47 | × *2*3 † |
| EF 400mm f/2.8L IS II USM | 560 | 728 | 896 | 4–45 | 0.22 | ○ | 800 | 1,040 | 1,280 | 5.6–64 | 0.31 | ○ |
| EF 400mm f/2.8L IS USM | 560 | 728 | 896 | 4–45 | 0.22 | ○ | 800 | 1,040 | 1,280 | 5.6–64 | 0.31 | ○ |
| EF 400mm f/4 DO IS II USM | 560 | 728 | 896 | 5.6–45 | 0.18 | ○ | 800 | 1,040 | 1,280 | 8–64 | 0.26 | ○ *6 |
| EF 400mm f/4 DO IS USM | 560 | 728 | 896 | 5.6–45 | 0.17 | ○ | 800 | 1,040 | 1,280 | 8–64 | 0.24 | × *2*3 † |
| EF 400mm f/5.6L USM | 560 | 728 | 896 | 8–45 | 0.18 | × *2 † | 800 | 1,040 | 1,280 | 11–64 | 0.27 | × |
| EF 500mm f/4L IS USM | 700 | 910 | 1,120 | 5.6–64 | 0.17 | ○ | 1,000 | 1,300 | 1,600 | 8–90 | 0.27 | × *2*3 † |
| EF 500mm f/4L IS II USM | 700 | 910 | 1,120 | 5.6–45 | 0.21 | ○ | 1,000 | 1,300 | 1,600 | 8–64 | 0.31 | ○ *1 † |
| EF 600mm f/4L IS USM | 840 | 1,092 | 1,344 | 5.6–64 | 0.17 | ○ | 1,200 | 1,560 | 1,920 | 8–90 | 0.27 | × *2*3 † |
| EF 600mm f/4L IS II USM | 840 | 1,092 | 1,344 | 5.6–45 | 0.21 | ○ | 1,200 | 1,560 | 1,920 | 8–64 | 0.30 | ○ *1 † |
| EF 800mm f/5.6L IS USM | 1,120 | 1,456 | 1,792 | 8–45 | 0.2 | × *4 † | 1,600 | 2,080 | 2,560 | 11–64 | 0.28 | × *4 |
| EF 1200mm f/5.6L USM | 1,680 | 2,184 | 2,688 | 8–45 | 0.12 | × | 2,400 | 3,120 | 3,840 | 11–64 | 0.27 | × |
| EF 70–200mm f/2.8L IS II USM | 98–280 | 127–364 | 157–448 | 4–45 | 0.22 | ○ | 140–400 | 182–520 | 224–640 | 5.6–64 | 0.44 | ○ |
| EF 70–200mm f/2.8L USM | 98–280 | 127–364 | 157–448 | 4–45 | 0.22 | ○ | 140–400 | 182–520 | 224–640 | 5.6–64 | 0.44 | ○ |
| EF 70–200mm f/4L IS USM / USM | 98–280 | 127–364 | 157–448 | 5.6–45 | 0.29 | ○ | 140–400 | 182–520 | 224–640 | 8–64 | 0.42 | × *2 † |
| EF 100–400mm f/4.5–5.6L IS II USM | 140–560 | 182–728 | 224–896 | 6.3–45 | 0.17 | × *2 | 200–800 | 260–1,120 | 320–1,280 | 9–64 | 0.26 | × *3 |
| EF 100–400mm f/4.5–5.6L IS USM | 140–560 | 182–728 | 224–896 | 6.7–54 | 0.28 | × *2*3 † | 200–800 | 260–1,120 | 320–1,280 | 9.5–76 | 0.40 | × *3 |
| EF 200–400mm f/4L IS USM Extender 1.4x 1x | 280–560 | 364–728 | 448–896 | 5.6–45 | 0.22 | × *5 † | 400–800 | 520–1040 | 640–1280 | 8–64 | 0.31 | × *5 † |
| 1.4x | 392–784 | 510–1019 | 510–1019 | 8–64 | 0.30 | × *5 † | 560–1120 | 728–1456 | 896–1792 | 11–91 | 0.44 | × *5 † |

***1** The autofocusing range is from 2.6 feet/0.8m to infinity. ***2** With the EOS-1D Xt, EOS-1Ds Mark III, EOS-1Ds Mark II, EOS-1Ds, EOS-1D Mark IV, EOS-1D Mark III, EOS-1D Mark II N, EOS-1D Mark II, EOS-1D, EOS 5D Mark III†, EOS 7D Mark II, EOS-1V/HS, EOS 3, AF is possible with the center focusing point only. ***3** The Image Stabilizer does not operate with the following cameras: EOS650, 630, 620, 600, RT, 700, 750, 850, EOS-1, A2, A2E, 10s, ELAN, Rebel, Rebel S, Rebel II and Rebel SII. ***4** With the EOS-1Ds Mark II, EOS-1Ds, EOS-1D Mark II N, EOS-1D Mark II, EOS-1D, EOS-1v, EOS –1v HS and EOS-3, AF is possible with the center focusing point only. ***5** With the EOS-1D Mark II, EOS-1Ds Mark II, EOS -1D Mark II N, EOS-1D, EOS-1Ds, EOS-1v and EOS-1v HS, AF is possible with the center focusing point only. ***6** When using a camera capable of AF at f/8. **†** With the firmware update, the EOS-1D X and EOS 5D Mark III allow cross-type autofocusing with the center AF point when the maximum aperture of the Canon EF lens becomes f/8 with an EF extender attached. Download firmware now at: **usa.canon.com/eos1dxfirmwareupdate** and **usa.canon.com/5dmarkiiifirmware**



# SPEEDLITE TECHNOLOGY

**Integral to the EOS System, Canon Speedlite flashes are the ideal flash source for EOS cameras. They are technologically advanced to provide perfect exposure and illumination with just about any subject, yet operation is remarkably simple. Whether you're an amateur or an expert, Canon Speedlite flashes can make it easy to obtain professional results.**




## Sophisticated Flash Control Modes

**E-TTL** – In E-TTL (Evaluative Through-The-Lens) flash exposure control mode, meter readings are taken through the lens, but not off the focal plane. Using a pre-flash fired after the shutter button has been fully depressed – but before the camera's reflex mirror goes up – E-TTL uses the camera's Evaluative metering sensor to compare the ambient light values with the light reflected from the subject by the pre-flash. The camera then calculates and stores the flash output required for optimum exposure of the main subject (as identified by the AF point) and the background. E-TTL requires the use of EX-series dedicated Speedlite flashes such as the 600EX II-RT, 600EX-RT, 430EX III-RT, 430EX II, 320EX, 270EX II, MT-24EX or MR-14EX II in combination with a compatible camera.

**E-TTL II** – Available on select EOS cameras, E-TTL II incorporates distance information from compatible EF lenses (see pages 62 and 63 for details) for more versatile flash exposure control. E-TTL II helps minimize underexposure that can occur with straight reflections by ignoring sensor areas that report abnormally high levels. This feature is useful when shooting a subject with a highly reflective object in the background, or if the subject itself is highly reflective. In addition, because distance information is used in calculating the flash output level, E-TTL II prevents overexposure when photographers lock focus and recompose. For example, with the EOS 5D Mark IV, the ambient light is first measured using the camera's 150,000-pixel RGB+IR metering sensor when the shutter button is pressed. Next, a pre-flash is fired and the metering sensor takes readings. The ambient and pre-flash readings are compared. The metering areas having small differences are selected as the main flash exposure areas. Areas with large discrepancies between ambient and pre-flash readings are excluded or down-weighted because they are assumed to contain a highly reflective subject, or the subject is not in that part of the frame – an assumption validated by distance information. The algorithm thus helps avoid chronic underexposure problems in such situations. These readings are weighted, averaged and compared with the ambient light reading and the main flash output is then set and stored in memory. The E-TTL II, in effect, captures the subject as a "plane" and not as a "point." As a result, EOS cameras can help deliver consistent flash exposures even if the subject contains various colors and levels of reflection. The camera also allows the user to select an averaged metering pattern through custom function settings.

**EOS Camera Compatibility**

| Camera Model | E-TTL | E-TTL II | A-TTL / TTL |
|---|---|---|---|
| EOS-1D X Mark II/EOS-1D X/ EOS-1Ds Mark III/EOS-1D Mark IV | No | Yes† | Not Possible |
| EOS 5DS / 5DS R | No | Yes† | Not Possible |
| EOS 5D Mark IV / EOS 5D Mark III | No | Yes† | Not Possible |
| EOS 6D | No | Yes† | Not Possible |
| EOS 5D Mark II | No | Yes† | Not Possible |
| EOS 7D Mark II / 7D | No | Yes† | Not Possible |
| EOS 80D / 70D / 60D / 50D / 40D / 30D | No | Yes† | Not Possible |
| EOS Rebel T6s/ T6i / T5i / T4i / SL1 / T3i | No | Yes† | Not Possible |
| EOS Rebel T6 / T5 / T3 / T2i /T1i /XSi /XS | No | Yes† | Not Possible |
| EOS Digital Rebel XTi / XT | No | Yes† | Not Possible |
| EOS-1v / EOS-3 | Yes | No | 4-point/3-zone |
| EOS ELAN 7NE | Yes | Yes | 4-point/3-zone |
| EOS Rebel T2 / T2 Date | No | Yes | Not Possible |
| EOS Rebel K2 / K2 Date | Yes | No | 4-point/3-zone |
| EOS M5 / M3 / M | No | Yes† | Not Possible |

**Speedlite Compatibility**

| Speedlite Model | E-TTL / E-TTL II | A-TTL | TTL | Manual |
|---|---|---|---|---|
| 600EX II-RT | Yes†† | No | Yes††† | Yes |
| 600EX-RT | Yes†† | No | Yes††† | Yes |
| 580EX II | Yes†† | No | Yes††† | Yes |
| 430EX III-RT | Yes†† | No | No | Yes |
| 430EX II | Yes†† | No | No | Yes |
| 320EX | Yes†† | No | No | Yes |
| 270EX II | Yes†† | No | No | Yes |
| 90EX | Yes†† | No | No | Yes |
| MR-14EX II / MR-14EX | Yes†† | No | Yes††† | Yes |
| MT-24EX | Yes†† | No | Yes††† | Yes |

*† Not linked to AF point. †† Requires EOS body that supports E-TTL and E-TTL II respectively. ††† Defaults to TTL in all conditions except direct flash in the camera's Program mode.*

**TTL*** – TTL (Through-The-Lens) is the standard flash exposure control mode used by the built-in flash units that come with some 35mm EOS film cameras. Unlike E-TTL or E-TTL II, TTL reads flash illumination reflected from the film during the exposure. When the camera is set to Program AE mode, TTL flash sets an aperture based on the ambient light level.

## Flash Exposure Lock (FE Lock)

FE Lock adds Auto Exposure lock and Spot metering functions when shooting with EX-series Speedlite flashes and E-TTL compatible EOS cameras. The EX-series Speedlite flash's pre-flash fires when the camera's AE Lock button is depressed, storing a Spot meter reading of flash and ambient lighting data for up to 16 seconds. This provides enough time to not only recompose the shot, but also alter the ambient light exposure for maximum creative control. FE Lock is extremely useful when you wish to recompose after focus lock or to place the main subject in a part of the frame not covered by one of the focusing points. It can also eliminate potential exposure errors caused by unwanted reflections from surfaces like windows or mirrors.

## Adjusting Ambient Exposure in FE Lock**

After pre-flashing the subject with the FE Lock button, ambient exposure can be adjusted by turning the Quick Control Dial. The ambient exposure level is displayed on the exposure level scale in the viewfinder and on the external LCD panel.

## FP Mode***

FP (focal-plane) flash, or High-speed Sync, enables E-TTL and E-TTL II compatible cameras equipped with an EX-series Speedlite flash to synchronize flash at shutter speeds faster than the camera's normal maximum sync speed. Even in bright daylight, for example, a fast lens can be used at a wide aperture to reduce depth of field and emphasize the subject. FP flash can be combined with E-TTL, E-TTL II or FE Lock, and is available in all AE modes plus Manual.

## Flash Exposure Compensation****

This setting adjusts flash output without changing the shutter speed or aperture. It's a particularly effective way to fine-tune the balance between foreground and background exposure for fill flash shots, but it can also be used to compensate for extremely bright or dark tones in the subject.



*Taken with MT-24EX and EOS-1v HS*



***High-speed Sync** — EF 135mm f/2.0L USM lens • f/2 • 1/750 sec.*

## Second-Curtain Sync

Instead of firing the instant the shutter opens, Second-Curtain Sync fires the flash at the end of the exposure, allowing streaks of light to flow naturally behind a moving subject. This creative flash mode is most effective with slower shutter speeds and subjects with light sources, such as the headlights of a moving car.

## Stroboscopic Flash

Stroboscopic flash is a series of flashes fired in rapid succession during a single exposure. With stroboscopic flash, multiple images of a moving subject appear in the photograph. Using this mode, you can analyze a golf swing or record the shattering of a windowpane. (Available with Speedlite 600EX II-RT, Speedlite 600EX-RT, Macro Ring Lite MR-14EX II, Macro Twin Lite MT-24EX and the built-in flash of the EOS 7D Mark II.)

## LED Light



In a first for Canon Speedlite flashes, the 320EX features a bright, built-in LED light for illumination when shooting video or for use as a modelling light. With fully charged AA batteries, the LED light can last for up to four hours of continuous use.

## Flash Release Function

Select Speedlite flash models include a convenient feature that enables photographers to release the camera shutter from the remote flash wirelessly with a 2-second delay. With EOS cameras that provide a master function with remote reception mode, this feature makes it possible to reposition the flash with complete freedom – even out of the camera's line-of-sight and at some distance from the camera.

** A-TTL and TTL are not compatible with select EOS cameras. See lens chart for a listing of lenses that supply distance information. **Ambient exposure cannot be adjusted when the camera is set to Bulb mode or in low-light situations when the camera is set to Program AE or A-DEP. ***Unlike conventional electronic flash, FP flash output (guide number) decreases as shutter speed increases above normal X-sync speed. **** Flash exposure compensation can be set with most current Speedlite flashes, and it can also be set with all current EOS cameras other than the EOS Rebel series and EOS Digital Rebel.*

# Wireless Flash Photography

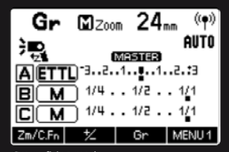
**The Canon EX-series Speedlite flashes have made multiple-flash photography simple, wireless and automatic. Using the Speedlite 600EX II-RT, Speedlite 600EX-RT, Speedlite 430EX III-RT, Macro Ring Lite MR-14EX II or Speedlite Transmitters ST-E2 or ST-E3-RT as a master unit, wireless signals are transmitted to numerous Speedlite flashes, creating myriad possibilities for lighting, no matter the location. Select EOS DSLR cameras have Integrated Speedlite Transmitters, allowing users to wirelessly control EX-series Speedlite flashes and doing away with the need for an external master unit. The Speedlite 600EX II-RT, Speedlite 600EX-RT, 430EX III-RT and the Speedlite Transmitter ST-E3-RT use two-way radio signals in addition to traditional wireless.**



*© Roberto Valenzuela, Canon Explorer of Light*

## Wireless Radio Control

For sophisticated wireless flash setups, the Speedlite 600EX II-RT, Speedlite 600EX-RT, Speedlite 430EX III-RT and the Speedlite Transmitter ST-E3-RT represent the next generation in wireless flash systems. In addition to traditional optical wireless transmission, the Speedlite 600EX II-RT, Speedlite 600EX-RT, Speedlite 430EX III-RT and the Speedlite Transmitter ST-E3-RT facilitate radio controlled, two-way wireless transmission up to 100 feet, among up to five groups or 15 individual Speedlite flashes. Communicating on 2.4 GHz frequencies for radio transmission, radio controlled flash systems do not have the same directional limitations of traditional wireless optical transmitters. Where other wireless systems' signals can be interrupted with physical obstacles, radio controlled systems excel. To avoid interference with other equipment on the same frequency, 15 transmission channels are available, selectable manually or automatically, and radio transmission IDs can be set to prevent misfiring in the event of signal interference on the same channel. With diverse flash metering options, and a number of flash modes all accessible from the menu and quick control screens of select EOS cameras, the Speedlite 600EX II-RT, Speedlite 600EX-RT, Speedlite 430EX III-RT and the Speedlite Transmitter ST-E3-RT make complex lighting setups simple. With compact, weather sealed and reliable designs, combined with improved information panels and controls, Speedlite 600EX II-RT, Speedlite 600EX-RT, Speedlite 430EX III-RT and the Speedlite Transmitter ST-E3-RT are indispensable, eminently adaptable tools for advanced, professional flash photography.

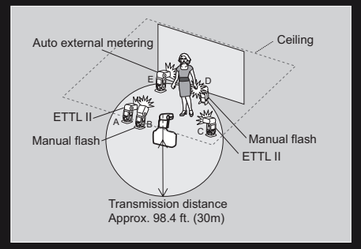



*Group firing mode*

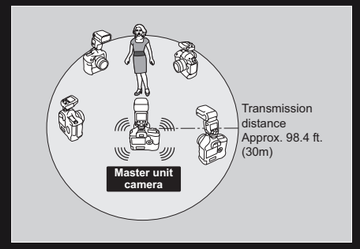
Linked shooting function – Releases the camera that has the Speedlite 600EX II-RT, Speedlite 600EX-RT, Speedlite 430EX III-RT or Speedlite Transmitter ST-E3-RT set as the master unit and release up to 15 cameras with the Speedlite or transmitter set as slave units.

## E-TTL/E-TTL II Wireless Autoflash Control

Up to three groups (for main, fill and background) of slave units can be set up for comprehensive control of flash lighting. The Speedlite flash slave units can be assigned to group A, B, or C, with output ratio between groups A and B adjustable from 8:1 to 1:1 or 1:1 to 1:8. The output of the group C can be adjusted through flash exposure compensation. Superb lighting is simple thanks to the E-TTL/E-TTL II autoflash system which controls the total flash output to ensure consistently correct exposure. Select EOS DSLR cameras with Integrated Speedlite Transmitters can control and trigger external Speedlites wirelessly through their built-in pop-up flash. The EOS 7D Mark II camera can control A, B, and C groups and also has a modeling flash feature for previewing the output of your external Speedlite flashes, available by pressing the depth of field button. Even with multiple Speedlite flashes, the modeling flash fires according to the ratios you have set. E-TTL/E-TTL II wireless autoflash also supports other Speedlite flash features including FE Lock, FP Flash, Flash Exposure Bracketing/Compensation and Stroboscopic Flash. Finally, for macro shooting, the Macro Ring Lite MR-14EX II and Macro Twin Lite MT-24EX can be used as master units as well.




***Group Firing†* –** *Set different flash modes for each group (A, B, C, D and E) and perform multiple wireless flash shooting. Two or more units can be set as the same group.*




***Linked shooting function* –** *Releases the camera that has the Speedlite 600EX II-RT, Speedlite 600EX-RT, Speedlite 430EX III-RT or Speedlite Transmitter ST-E3-RT set as the master unit and release up to 15 cameras with the Speedlite or transmitter set as slave units.*

*† Group firing mode is supported by EOS 5D Mark III and later camera models. In earlier camera models, all flashes will switch to E-TTL automatically and group control is reduced to 3 groups.*



# Amazing Flash System

**Canon offers a full range of Speedlite flash units compatible with EOS System cameras for a wide variety of applications and photographers' needs. They range from simple, economical flashes to high-power, highly advanced Speedlite flashes for professional use.**



## Speedlite

NEW



### Speedlite 600EX II-RT

- Zoom flash head covers range of 20–200mm; maximum Guide Number 197 ft./60m at ISO 100.
- Improved performance of continuous flash.
- Wireless flash shooting support available for both radio and optical transmission.
- Multiple flash system with control of up to five groups of flashes.
- Dust- and water-resistant body.
- New flash-readiness indicator on display panel, button and dial operation and manual flash output.
- New accessories including bounce adapter, color filter sets and a soft case.



### Speedlite 600EX-RT

- Wireless multiple flash system uses radio wave communication for enhanced control of up to five groups and 15 individual flash units.
- Zoom flash head covers range of 20–200mm; maximum Guide Number (197 ft./60m at ISO 100).
- Improved flash output consistency.
- Improved flash head durability, and outstanding dust and weather resistance.
- AF Assist Beam compatible with Canon's 61-Point High Density Reticular AF.*
- Dot matrix LCD panel and backlit button provide easy visibility.
- Fully swiveling head, 180° in either direction.



### Speedlite 430EX III-RT

- Compact body for space efficiency and style.
- Zoom flash head covers a range of 24–105mm; maximum guide number 141 ft./43m at ISO 100.
- Convenient controls including built-in Catchlight Panel, Dot-matrix LCD and Control Dial.
- Can move 0–90°, 150° to the left and 180° to the right.
- Wireless flash shooting support available for both radio and optical transmission.
- Shortened recycling time and quick firing from 0.1–2.5 seconds per flash.
- Accessory options include color filter and new bounce adapter.



### Speedlite 430EX II

- Superb build quality, including a metal foot for added strength.
- Approx. 20% faster recycle time, compared to previous 430EX.
- One-touch quick-lock mechanism for easy attaching/detaching flash from camera.
- Full flash control possible on camera menu with compatible EOS cameras.
- Virtually silent flash recycle.
- Full 180° swivel in either direction.
- Zoom flash head covers range of 24–105mm; max. Guide No. 141 ft./43m at ISO 100.



### Speedlite 320EX

- Built-in LED illuminates nearby subjects in dim light – especially useful for video.
- Versatile vertical and horizontal bounce capability.
- Flash release function allows wireless shutter release from the flash with a 2-second delay for flash repositioning.
- Wireless Slave function supports three groups and four channels.
- Two flash coverage settings, selectable by extending or retracting flash head.
- Max. Guide No. at Tele setting: 105 ft./32m at ISO 100.
- Fast recycle time of approximately 2.0 seconds.



### Speedlite 270EX II

- Ultra-compact, ultra-lightweight flash unit.
- Vertical bounce capability up to 90 degrees.
- Flash release function allows wireless shutter release from the flash with a 2-second delay for flash repositioning.
- Slave function allows the flash to be triggered wirelessly.
- Flash coverage can be switched between Normal and Tele settings.
- Max. Guide No. at Tele setting: 89 ft./27m at ISO 100.

** Feature compatible only with the EOS-1D X Mark II, EOS-1D X and EOS 5D Mark III cameras.*

## Macro Lites



### Macro Twin Lite MT-24EX

- Attaches to all Canon EF macro lenses (EF 180mm f/3.5L requires Macro Lite Adapter 72C).
- Twin flash heads can be rotated over 80° angle around lens in 5 degree increments.
- Heads can be swiveled or bounced and can be removed from mounting ring for added control.
- Powerful Guide Number of 78 (feet, at ISO 100), full E-TTL control and E-TTL features including FEL, Hi-speed sync and FEB.



### Macro Ring Lite MR-14EX II

- Twin-tube ring lite designed for close-up photography with EF Macro lenses; flash tubes can fire together or independently.
- Shorter recycling time and reduced size when compared to Macro Ring Lite MR-14EX.
- Supports E-TTL (TTL/E-TTL) wireless autoflash in conjunction with one or more Speedlite 600EX-RT flashes.
- White LED focusing lamps and two forms of modeling flash permit preview of lighting effects.

## Speedlite Transmitter



### Speedlite Transmitter ST-E3-RT

- Uses two-way radio wave communication for enhanced communication among master and slave units.
- Compatible with Speedlites 600EX II-RT, 600EX-RT and 430EX III-RT.
- Achieves a transmission distance of up to 98.4 ft./30m, all at a 360° angle.
- Up to 5 groups, or 15 individual flashes can be controlled via 1 transmitter.
- Supports E-TTL II flash, manual flash, strobe and external flash metering.
- Dot matrix LCD panel displays information simultaneously and backlit control panel means easy operation.



### Speedlite Transmitter ST-E2

- Dedicated transmitter to control unlimited number of slave flashes.
- Compatible with Speedlites 600EX II-RT, 600EX-RT, 580EX II, 430EX III-RT, 430EX II, 320EX and 270EX II (also 580EX, 430EX and 420EX).
- Controls slave units up to 33 ft. outdoors and 49.5 ft. indoors.

| | Speedlite 600EX II-RT | Speedlite 600EX-RT | Speedlite 580EX II† | Speedlite 430EX III-RT | Speedlite 430EX II | Speedlite 320EX II | Speedlite 270EX II | Speedlite 220EX II† | Macro Twin Lite MT-24EX | Macro Ring Lite MR-14EX II | Macro Ring Lite MR-14EX† |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Dimensions (W x H x D)** | 3.1 x 5.6 x 4.9 in. 78.7 x 143.2 x 122.7mm | 3.1 x 5.6 x 4.9 in. 80 x 143 x 125mm | 3.0 x 5.4 x 4.6 in. 76 x 137 x 117mm | 2.8 x 4.5 x 3.9 in. 71 x 114 x 98mm | 2.8 x 4.8 x 4.0 in. 72 x 122 x 101mm | 2.8 x 4.5 x 3.1 in. 70 x 115 x 78.4mm | 2.6 x 2.6 x 3.0 in. 65.8 x 65.2 x 77mm | 2.7 x 3.62 x 2.42 in. 65 x 92 x 61.3mm | Control Unit: 2.9 x 4.9 x 3.8 in. 74 x 125.9 x 97.4mm Flash Unit: 9.3 x 3.5 x 1.9 in. 235 x 90.4 x 49mm | Control Unit: 2.7 x 4.7 x 2.8 in. 69.6 x 118.8 x 71.4mm Flash Unit: 5.1 x 4.4 x 1.0 in. 129.6 x 112.1 x 25.3mm | Control Unit: 2.9 x 4.9 x 3.8 in. 74 x 125.9 x 97.4mm Flash Unit: 4.44 x 4.96 x 1.02 in. 112.8 x 126 x 25.6mm |
| **Weight (without batteries)** | 15.0 oz./435g | 15.0 oz./425g | 13.2 oz./375g | 11.4 oz./295g | 11.3 oz./330g | 9.7 oz./275g | 5.5 oz./155g | 5.6 oz./160g | 20.64 oz./585g (combined flash & control units) | 16.05 oz./455g (combined flash & control units) | 15.1 oz./428g (combined flash & control units) |
| **Compatibility** | All EOS cameras (Except EOS M10) | All EOS cameras (Except EOS M10) | All EOS cameras (Except EOS M10) | Type-A EOS cameras | All EOS cameras (Except EOS M10) | Type-A EOS cameras (Except EOS M10) | Type-A EOS cameras | All EOS cameras (Except EOS M10) | All EOS cameras (Except EOS M10) | All EOS cameras (Except EOS M10) | All EOS cameras (Except EOS M10) |
| **Max. Guide Number (ISO 100)** | 196.9 ft./60m | 196.9 ft./60m | 190 ft./58m | 141 ft./43m | 141 ft./43m | 105 ft./32m | 89 ft./27m | 72.2 ft./22m | 79 ft./24m | 34.4 ft./10.5m | 45.9 ft./14m |
| **Power Source** | AA (Alkaline, re-chargeable Ni-MH) batteries (x4); Compact Battery Pack CP-E4N; Compact Battery Pack CP-E4; Compact Battery Pack CP-E3 | AA (Alkaline, re-chargeable NiCd, Lithium-ion, Ni-MH) batteries (x4); Compact Battery Pack CP-E4; Transistor Pack E | AA (Alkaline, re-chargeable NiCd, Lithium-ion, Ni-MH) batteries (x4); Compact Battery Pack CP-E4; Transistor Pack E | AA (Alkaline, re-chargeable NiCd, Lithium-ion, Ni-MH) batteries (x4) | AA (Alkaline, re-chargeable NiCd, Lithium-ion, Ni-MH) batteries (x4) | Four AA-size batteries - alkaline, lithium, or re-chargeable Ni-MH usable | Two AA-size/ LR6 Alkaline batteries | AA (Alkaline, re-chargeable NiCd, Lithium-ion, Ni-MH) batteries (x4) | AA (Alkaline, re-chargeable NiCd, Lithium-ion, Ni-MH) batteries (x4); Compact Battery Pack CP-E3; Transistor Pack E | AA (Alkaline, re-chargeable NiCd, Lithium-ion, Ni-MH) batteries (x4); Compact Battery Pack CP-E4; Transistor Pack E | AA (Alkaline, re-chargeable NiCd, Lithium-ion, Ni-MH) batteries (x4); Compact Battery Pack CP-E4; Transistor Pack E |



# Speedlite to the Max

**Whether adding a battery pack, connecting two or more Speedlite flashes, or creating a complex wireless lighting solution, Canon has flash accessories for almost any photographic situation that are perfect complements to your Speedlite flash.**



*EF-S 60mm f/2.8 Macro USM • f/3.2 • 1/80*



### Speedlite Release Cable SR-N3

Provides remote release and linked shooting functions by transmitting a wireless release signal to the camera itself. It's compatible with cameras that have E-TTL/ETTL II autoflash; as well as an N3-type remote control terminal.



### Compact Battery Pack CP-E4N

This external power adapter helps provide a higher amount of continuous flashes and faster recycle times, as well as quieter operation during recharging.



### Compact Battery Pack CP-E4

This dedicated external power pack is dust/water-resistant and makes the flash system dust/water-resistant. The power pack's performance is the same as the Compact Battery Pack CP-E3.



### Color Filter SCF-E3

Compatible with the Speedlite 600EX II-RT, the SCF-E3 color hard-type filter sets include the Color Filter SCF-E3OR1 and the Color Filter SCF-E3OR2, which help produce warm, atmospheric results and more natural light respectively.



### Bounce Adapter SBA-E3

Compatible with the Speedlite 600EX II-RT, Bounce Adapter SBA-E3 widens and diffuses bounce lighting. This helps achieve a soft effect especially in shadow areas for more natural lighting.



### Color Filter Set SCF-E1

Compatible with the EOS Speedlite 600EX-RT, the Color Filter Set SCF-E1 includes a light orange filter and a dark orange filter. These filters allow the user to create various lighting effects or to prevent an unnatural white balance when shooting indoors.



### Color Filter SCF-E2

Compatible with the Speedlite 430EX III-RT, Color Filter SCF-E2 helps ensure consistent color in the foreground and background by changing the flash output color to match the ambient light. The camera then detects the subject and background have the same color temperature, and adjusts white balance accordingly.



### Color Filter Holder SCH-E1

Compatible with the Speedlite 600EX-RT, Color Filter Holder SCH-E1 is a detachable holder for gelatin filters. It is particularly useful for matching ambient color temperature with that of the flash head for proper compensation.



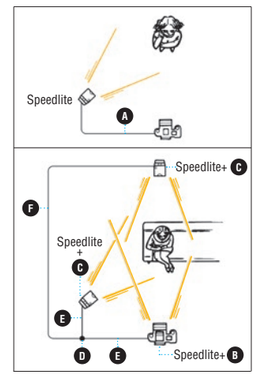
### Bounce Adapter SBA-E2

Compatible with the Speedlite 430EX III-RT, Bounce Adapter SBA-E2 is an opaque white filter that helps to diffuse the flash's output, creating an even illumination that helps to add dimension and eliminate distracting shadows, especially in portraiture.

## Other Speedlite Accessories

| | A | B | C | D | E | F |
|---|---|---|---|---|---|---|
| |  **Off-Camera Shoe Cord OC-E3** |  **TTL Hot Shoe Adapter 3*** |  **Off-Camera Shoe Adapter OA-2*** |  **TTL Distributor*** |  **Connecting Cord 60*** |  **Connecting Cord 300*** |
| **Camera Compatibility** | All EOS cameras (Except M10, 630 & RT) | All 35mm and APS SLR cameras (Not compatible with digital SLR cameras or PowerShot digital cameras) | | | | |
| **Description** | Dust- and water-resistant 2 ft. (0.6m) TTL cord; retains all on-camera flash functions. Same quick connect as 580EX II. | Placed in the EOS camera's accessory shoe, this adapter controls up to 4 off-camera Speedlite flashes. | For off-camera applications of Speedlite flash units, this adapter will accept one Speedlite flash and a connecting cord to the camera. | This connector accepts up to 4 connecting cords. | This 2 ft./60cm coiled cord has connections on both ends for TTL Distributor, OA-2, and/or Hot Shoe Adapter 3. | This 9.8 ft./3m straight cord has connections on both ends for TTL Distributor, OA-2, and/or Hot Shoe Adapter 3. |

** These accessories provide TTL or manual flash control, but are not compatible with E-TTL or E-TTL II; no automatic flash with select EOS cameras.*




## Compatibility Chart

| | | 600EX II-RT | 600EX-RT | 580EX II† | 430EX III-RT | 430EX II | 320EX | 270EX II | MT-24EX | MR-14EX II | MR-14EX | Weight |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Compact Battery Pack CP-E4N (w / Alkaline Batteries)** | | ● | ● | ● | – | – | – | – | ● | ● | ● | 8.11 oz./230g |
| | Recycling Time (Sec.) | 0.1~1.8 | TBA | TBA | – | – | – | – | TBA | TBA | TBA | |
| | Shooting Capacity (No. of Flashes) | 300~2100 | TBA | TBA | – | – | – | – | TBA | TBA | TBA | |
| **Compact Battery Pack CP-E4 (w / Alkaline Batteries)** | | ● | ● | ● | – | – | – | – | ● | ● | ● | 5.5 oz./155g |
| | Recycling Time (Sec.) | 0.1~1.8 | 0.1~2.0 | 0.1~2.0 | – | – | – | – | 0.1~3 | 0.1~5.5 | 0.1~3 | |
| | Shooting Capacity (No. of Flashes) | 300~2100 | 100~700 | 350~2,450 | – | – | – | – | 450~2,800 | 100~700 | 120~800 | |
| **Compact Battery Pack CP-E3†** | | ● | ● | ● | – | – | – | – | ● | — | ● | 5.5 oz./155g |

*† Discontinued product, for reference only.*




# THE CENTER OF YOUR IMAGING WORLD

## Connect Station CS100

The Canon Connect Station CS100 device provides an easy and convenient way to store, organize, view and access all of your photos and videos. Designed to work seamlessly with Canon cameras and camcorders, built-in Wi-Fi® and Near Field Communication (NFC)* enable virtually instant transfers to the Connect Station CS100. Whatever you capture, the Connect Station CS100 makes it possible for you to easily enjoy every photo and video with all of your family and friends.

1TB · NFC · Wi-Fi CERTIFIED · Send/Receive Images · PictBridge · CANON iMAGE GATEWAY · FULL HD 1080 · Dual Card Slots · HDMI · Ethernet

### Up to 1 TB of Storage

With accumulating photos and videos spread out among your devices, it can be difficult finding the files you're looking for. The Canon Connect Station CS100 device is the ideal long-term storage solution, boasting virtually a terabyte (about 1,000 GB) of storage so you can put all of your images, with the capacity for approx. 150,000 photos or approx. 70 hours of video content**, in one easily accessible place.

### Universal Connectivity

The Connect Station CS100 device simplifies file transfers from Canon cameras and camcorders by incorporating a USB connection and SD/CF card slots.***

### Import Images via NFC

You can save time on importing photo and video files to the Connect Station CS100 device by utilizing built-in NFC. NFC allows for streamlined, wireless transfers without having to use additional cables. To import files, simply hold the NFC-equipped Canon camera or camcorder* close to the Connect Station CS100 to automatically import new photos and videos. Previously imported photos and videos are recognized, so you will never waste space transferring multiple copies.

### Secure Backups

The Connect Station CS100 device provides secure storing and backups for all photos and videos. To copy or restore the entire digital image library, just connect the Connect Station to an external USB HDD (sold separately).

### Big Screen Worthy

Enjoy your photos and videos in stunning quality on a large screen TV. With an HDMI cable, the Connect Station connects to an HDTV to view all photos and videos at once. Photos will be displayed in clear, high resolution and high bit-rate videos will play smoothly.

### Create Albums & Slide Shows

By using a web browser or TV, it is possible to create albums and slide shows from the photos and videos that have been downloaded to the Connect Station CS100 device. Choose timing, fade options, even background music – ideal for adding personal touches to your album, even if a computer is not available.

### Support for Your Photos and Videos

The Connect Station CS100 device accepts photos and videos in various file formats, making it the ideal central storage/sharing/viewing hub. Whether the file is a JPEG, RAW****, MP4, MOV or AVCHD, the Connect Station CS100 will support it.

### View and Transfer Photos from a Web Browser^

The Connect Station CS100 device is designed to make image access and management convenient. Using a web browser^, view, upload or download photos to and from the Connect Station CS100 almost anywhere with a smartphone, tablet or PC.^^

### Print Wirelessly

You can print wirelessly right from the Connect Station CS100 device to a compatible PictBridge (Wireless LAN)-enabled Canon PIXMA, SELPHY or other printer, so printing photos is simple and convenient.

### Sharing Made Easy

Keep everyone connected through social media sites and easily share what you have captured with the Connect Station. Through CANON iMAGE GATEWAY#, you can upload your photo and video files directly from the Connect Station to select social networking sites.

### Family Sharing

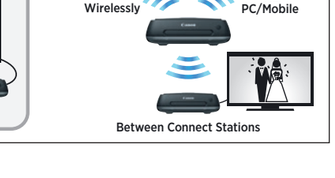
Send/Receive Images

It's easy to send photos and videos directly from one Connect Station CS100 to another, creating a great new way to share daily snaps and videos of your life with everyone. Now distant relatives can easily view full resolution photos, comfortably seated in front of their HDTV using a remote control.

### Convenience with a Touch – The New Connect Station App##

NEW

Relive your memories easily with the new Connect Station app! By seamlessly linking your compatible smart device with the CS100 device, it provides a swift and simple way to view and transfer your favorite photos.



AVAILABLE NOW ON

Download on the App Store · GET IT ON Google Play

* *Wireless image transfer is compatible only with Canon cameras and camcorders equipped with NFC and released in 2015 and later.*

** *Calculated with approx. 6.6MB for each photo and with average 32Mbps Full HD video.*

*** *Compatible with Canon Cameras and camcorders released in 2010 and later.*

**** *CR2 format only. JPEG thumbnail file in RAW image file is shown. RAW image processing is not available.*

^ *In case of operating this product through Web browser installed in terminals such as smartphones, tablets, and PCs. Normal operation has been confirmed for the following OS and Webbrowsers: Windows 8 and Windows 7: Chrome ver. 36 or later iOS® (OS ver. 6/7): Safari Android™ (OS ver. 4.2 or later): Chrome ver. 26 or later. If JavaScript is disabled by the Web browser setting, images will not be displayed properly. You needto connect the terminal to the same access point or a router as Connect Station.*

^^ *Videos cannot be uploaded to, or viewed/downloaded from Connect Station through a browser.*

\# *One-time registration is required on CANON iMAGE GATEWAY online photo album.*

## *## The Canon Connect Station CS100 device requires a firmware update to enjoy the full benefits of the new smartphone app. Now available, you can perform this update when prompted on your Connect Station CS100.*

# Batteries

**To add more power, ergonomics and speed to your EOS SLR camera's body, consider one of Canon's professional quality power boosters and grips. Check out the chart below to find the best match for your EOS camera.**



EOS 5D Mark IV camera with Battery Grip BG-E20

## Battery Grips

| | Battery Grip BG-E20† | Battery Grip BG-E18† | Battery Grip BG-E16† | Battery Grip BG-E14† |
|---|---|---|---|---|
| Weight | 115.76 oz./390g (including battery magazine and excluding batteries) | 9.35 oz./265g (without batteries) | 11.6 oz./330g (without batteries) | 10.4 oz./295g (without batteries) |
| Compatibility | EOS 5D Mark IV | EOS Rebel T6s, T6i | EOS 7D Mark II | EOS 80D, 70D |
| Functions | Shutter-Release button, AF area selection button, AF start button, AE Lock button, AF point selection button, Multi-controller, Main Dial, Multi-function button, Attach/detach dial, Vertical-grip operation switch | AE/FE Lock/ Index/ Reduce button, Main Dial, AF point selection/ Magnify button, Aperture/ exposure compensation button, Attach/ Detach button, Vertical-grip operation switch | Shutter-Release button, AE/FE Lock/ Index/Reduce button, Main Dial, AF-frame-select button, AF area Selection lever, Aperture/ Exposure compensation button, and Vertical-grip operation switch | Shutter-Release button, Main Dial, AF-point selec-tion/Magnify button, AE/FE Lock/Index/Reduce button, AF start button, AF area sel ection mode button, and Vertical-grip operation switch |
| Power Source | LP-E6N; LP-E6 (x1 or x2); or DR-E6 with AC-E6N | LP-E17 (x2); AA-size battery (x6); or AC Adapter Kit ACK-E18 | LP-E6 (x2); AA-size battery (x6); or AC Adapter Kit ACK-E6 | LP-E6 (x2); AA-size battery (x6); or AC Adapter Kit ACK-E6 |

| | Battery Grip BG-E13† | Battery Grip BG-E11† | Battery Grip BG-E9† | Battery Grip BG-E8† |
|---|---|---|---|---|
| Weight | 10.2 oz./290g (without batteries) | 10.9 oz./310g (without batteries) | 10.4 oz./295g (without batteries) | 8.1 oz./230g (without batteries) |
| Compatibility | EOS 6D | EOS 5DS, 5DS R, 5D Mark III | EOS 60D, 60Da | EOS Rebel T5i, T4i, T3i, T2i |
| Functions | Shutter-Release button, AE/FE Lock button, Main Dial. AF-point-select button, Vertical-grip operation switch | Shutter-Release button, AE/FE Lock button, Main Dial, Multi-controller. AF-point-select button, Multi-function button, Vertical-grip operation switch | AE/FE Lock/ Index/ Reduce button, Main Dial, AF point selection/ Magnify button, Aperture/expo-sure compensation button, Attach/ Detach button, Vertical-grip operation switch | AE/FE Lock/ Index/ Reduce button, Main Dial, AF point selection/ Magnify button, Aperture/expo-sure compensation button, Attach/ Detach button, Vertical-grip operation switch |
| Power Source | LP-E6 (x2); AA-size battery (x6); or AC Adaptor ACK-E6 | LP-E6 (x2); AA-size battery (x6); or AC Adaptor ACK-E6 | LP-E6 (x2); AA-size battery (x6); or AC Adapter ACK-E6 | LP-E8 (x2); AA-size battery (x6); or AC Adapter ACK-E8 |

*† Accepts optional Hand Strap E1.*

## Batteries

| | Battery Packs | | | | | | |
|---|---|---|---|---|---|---|---|
| | Battery Pack LP-E19 | Battery Pack LP-E17 | Battery Pack LP-E12 | Battery Pack LP-E10 | Battery Pack LP-E8 | Battery Pack LP-E6N/LP-E6 | Battery Pack LP-E5 |
| Weight | 6.53 oz./185g | 1.59 oz./45g | 1.2 oz./35g | 1.6 oz./45g | 1.8 oz./52g | 2.82 oz./80g | 1.8 oz./50g |
| Compatibility | EOS-1D X Mark II, 1D X, 1D Mark IV, 1Ds Mark III, 1D Mark III | EOS Rebel T6s, T6i, EOS M5, M3 | EOS Rebel SL1, EOS M10, M | EOS Rebel T6, T5, T3 | EOS Rebel T5i, T4i, T3i, T2i | EOS 5DS, 5DS R, 5D Mark IV, 5D Mark III, 6D, 5D Mark II, 7D Mark II, 7D, 80D, 70D, 60D, 60Da | EOS Rebel T1i, XSi, XS |
| Description | Lithium-ion batteries. Each battery's operating specifications are tailored specifically for the cameras they are compatible with. | | | | | | |

| | Battery Packs | | |
|---|---|---|---|
| | Battery Pack LP-E4N* | Battery Pack NP-E3 | Battery Pack BP-511A/ BP-512/ BP-514 |
| Weight | 6.5 oz./185g | 11.8 oz./325g | 2.5 oz./70g |
| Compatibility | EOS-1D X Mark II, 1D X, 1D Mark IV, 1Ds Mark III, 1D Mark III | EOS-1Ds Mark II, 1Ds, 1D Mark II N, 1D Mark II, 1D | EOS 5D, 50D, 40D, 30D, 20D,20Da,10D, D60, D30, Digital Rebel |
| Description | Lithium-ion batteries. Each battery's operating specifications are tailored specifically for the cameras they are compatible with. | | |

** When using Battery Pack LP-E4/E4N with the EOS-1D X Mark II camera the continuous shooting speed and maximum burst rate will be lowered when compared to using the Battery Pack LP-E19.*

## Chargers and Adapters

| | Battery Chargers | | | | | | |
|---|---|---|---|---|---|---|---|
| | Battery Charger LC-E19 | Battery Charger LC-E17 | Battery Charger LC-E12 | Battery Charger LC-E10 | Battery Charger LC-E8E | Battery Charger LC-E6 | Battery Charger LC-E5 |
| Weight | 11.82 oz./335g | 3 oz./85g | 2.9 oz./81g | 3.0 oz./85g (without cord) | 2.9 oz./82g | 4.6 oz./130g (without cord) | 2.8 oz./80g |
| Compatibility | EOS-1D X Mark II, 1D X, 1D Mark IV, 1Ds Mark III, 1D Mark III | EOS Rebel T6s, T6i, EOS M5, M3 | EOS Rebel SL1, EOS M10, M | EOS Rebel T6, T5, T3 | EOS Rebel T5i, T4i, T3i, T2i | EOS 5DS, 5DS R, 5D Mark IV, 5D Mark III, 6D, 5D Mark II, 7D Mark II, 7D, 80D, 70D, 60D, 60Da | EOS Rebel T1i, XSi, XS |
| Description | Battery charger that charges battery packs in approximately 170 minutes. | Battery chargers that charge battery packs in approximately 2 hours. | | | | | |

| | Battery Chargers | | | | | Car Battery Chargers | |
|---|---|---|---|---|---|---|---|
| | Battery Charger LC-E4N** | Battery Charger CG-580 | Battery Charger CB-5L | Compact Power Adapter CA-PS700 | Compact Power Adapter CA-PS400 | Car Battery Charger CBC-E6 | Car Battery Charger CBC-E5 |
| Weight | 12.3 oz./350g | 5.6 oz./160g | 3.5 oz./110g (without cord) | 6.5 oz./186g (without power cable) | 10.1 oz./287g (excluding AC cord) | 3.7 oz./105g | 4.9 oz./140g |
| Compatibility | EOS-1D X Mark II, 1D X, 1D Mark IV, 1Ds Mark III, 1D Mark III | EOS 5D, 50D, 40D, 30D, 20D, 20Da, 10D, D60, D30, Digital Rebel | EOS 5D, 50D, 40D, 30D, 20D, 20Da,10D, D60, D30, Digital Rebel | EOS Rebel T5i, T4i, T3i, T2i, T6, T5, T3, T1i, XSi, XS, Digital Rebel XTi, XT, EOS M5, M3, M10, M | EOS 5D, 50D, 40D, 30D, 20D, 20Da, 10D, D60, D30, Digital Rebel | EOS 5DS, 5DS R, 5D Mark IV, 5D Mark III, 6D, 5D Mark II, 7D Mark II, 7D, 80D, 70D, 60D, 60Da | EOS Rebel T1i, XSi, XS |
| Description | Battery chargers that charge battery packs in approximately 2 hours. | | | | | A car battery charger that plugs into a car's cigarette lighter. Charging is accomplished in approximately 2.5 hours. | |

| | DC Couplers / DC Coupler Kit | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | DC Coupler DR-E19 | DC Coupler DR-E18 | DC Coupler DR-E17 | DC Coupler DR-E15 | DC Coupler DR-E12 | DC Coupler DR-E10 | DC Coupler DR-E8 | DC Coupler DR-E6 |
| Weight | 7.23 oz./205g | 2.97 oz./84g | 0.63 oz./18g | 0.6 oz./16g | 0.5 oz./15g | 0.6 oz./17.5g | 0.7 oz./20g | 3.9 oz./110g |
| Compatibility | EOS-1D X Mark II, 1D X, 1D Mark IV, 1Ds Mark III, 1D Mark III | EOS Rebel T6s, T6i | EOS M5, M3 | EOS Rebel SL1 | EOS M10, M | EOS Rebel T6, T5, T3 | EOS Rebel T5i,T4i, T3i, T2i | EOS 5DS, 5DS R, 5D Mark IV, 5D Mark III, 6D, 5D Mark II, 7D Mark II, 7D, 80D, 70D, 60D, 60Da |
| Description | Allows the camera to draw power directly from an AC power source when used in conjunction with a compatible AC adapter. | | | | | | | |

| | AC Adapter | | AC Adapter Kit | | | | |
|---|---|---|---|---|---|---|---|
| | AC Adapter AC-E19 | AC Adapter AC-E6N | AC Adapter Kit ACK-E18 | AC Adapter Kit ACK-E17 | AC Adapter Kit ACK-E15 | AC Adapter Kit ACK-E12 | AC Adapter Kit ACK-E10 |
| Weight | 19.93 oz./565g | 6.35 oz./180g | 2.97 oz./84g (DC Coupler) 5.65 oz./160g (AC Adapter) | 0.6 oz./18g (DC Coupler) 6.5 oz./185g (AC Adapter) | 0.6 oz./16g (DC Coupler) 6.5 oz./185g (AC Adapter) | 0.5 oz./15g (DC Coupler) 6.5 oz./185g (AC Adapter) | 0.6 oz./17.5g (DC Coupler) 6.5 oz./185g (AC Adapter) |
| Compatibility | EOS-1D X Mark II, 1D X | EOS 5DS, 5DS R, 5D Mark IV, 5D Mark III, 6D, 7D Mark II, 7D, 80D, 70D, 60D, EOS Rebel T6s, T6i | EOS Rebel T6s, T6i | EOS M5, M3 | EOS Rebel SL1 | EOS M, EOS M10 | EOS Rebel T6, T5, T3 |
| Description | Allows the camera to draw power directly from an AC power source. They are designed to supply uninterrupted power. | | | | | | |

| | AC Adapter Kit | | | |
|---|---|---|---|---|
| | AC Adapter Kit ACK-E8 | AC Adapter Kit ACK-E6 | AC Adapter Kit ACK-E5 | AC Adapter Kit ACK-E4*** |
| Weight | 0.7 oz./20g (DC Coupler) 6.5 oz./185g (AC Adapter) | 3.9 oz./110g (DC Coupler) 6.2 oz./175g (AC Adapter) | 15.0 oz./425g | 14.1 oz./399g |
| Compatibility | EOS Rebel T5i,T4i, T3i, T2i, BG-E8 | EOS 5DS, 5DS R, 5D Mark IV, 5D Mark III, 6D, 5D Mark II, 7D Mark II, 7D, 80D, 70D, 60D, 60Da | EOS Rebel T1i, XSi, XS | EOS-1D X Mark II, 1D X, 1D Mark IV, 1Ds Mark III, 1D Mark III |
| Description | Allows the camera to draw power directly from an AC power source. They are designed to supply uninterrupted power. | | | |

*** Although Battery Charger LC-E19 can be used to charge Battery Pack LP-E4/E4N, Battery Charger LC-E4/E4N cannot be used to charge Battery Pack LP-E19. *** When using ACK-E4 with the EOS-1D X Mark II camera the continuous shooting speed and maximum burst rate will be lowered when compared to using AC-E19 + DR-E19.*

# Wireless File Transmitters, Wi-Fi Adapter & GPS Receivers

**Canon Wireless File Transmitters help enable wireless image transfer from EOS cameras directly to a computer, while the Wi-Fi Adapter enables wireless communication for select EOS cameras. Canon GPS† receivers record location, include a compass and can track the photographer's movements.**



EOS 7D Mark II camera with
Wireless File Transmitter WFT-E7A (Version 2)

## Wireless File Transmitter

| | Wireless File Transmitter WFT-E8A | Wireless File Transmitter WFT-E7A (Version 2)/ WFT-E7A | Wireless File Transmitter WFT-E6A | Wireless File Transmitter WFT-E5A |
|---|---|---|---|---|
| **Compatibility** | EOS-1D X Mark II | EOS 5DS*, 5DS R*, 5D Mark IV*, 5D Mark III, 7D Mark II* | EOS-1D X Mark II, 1D X | EOS 7D |
| **Description** | The Wireless File Transmitter WFT-E8A adds impressive wireless operation and speedy image transfer to the EOS-1D X Mark II camera. Improving communication speed, versatility and user interface, the WFT-E8A not only boasts incredible speed, but also streamlines wireless photography configurations whether in the studio or on location. Supporting IEEE 802.11ac wireless protocol for high-speed image transfer, the WFT-E8A also features a refined user-interface, comprehensive smart device connectivity and numerous camera linked shooting options for advanced, multi-angle photography and movies. | Wireless File Transmitter WFT-E7A transfers images from cameras directly to a computer via wireless local area networks (LAN), and offers a number of enhanced features to improve efficiency for studios and media professionals including: wireless support for IEEE 802.11 a/b/g and the latest standard 802.11n, which deliver blazing communication speed, camera clock synchronization, linked shooting function, Bluetooth support, and auto re-send of images that were not sent during a sending error. | Canon's Wireless File Transmitter WFT-E6A is designed for the EOS-1D X. It transfers images from cameras directly to a computer via wireless local area networks (LAN), and offers a number of enhanced features to improve efficiency for studios and media professionals including: wireless support for IEEE 802.11 a/b/g and the latest standard 802.11n, which deliver blazing communication speed, camera clock synchronization, linked shooting function, Bluetooth support, and auto re-send of images that were not sent during a sending error. | This wireless transmitter is dedicated to the EOS 7D. The transmitter is compatible with Wi-Fi Protected Setup to connect easily to a wireless LAN access point and automatically leads to the security setting for secure image transfer. Images can be stored in selected folders and the entire folder can be transferred. Added features include IEEE 802.11a/b/g compatibility, WPS compatibility, WFT server EOS 7D, camera linking function and Bluetooth function. It allows wireless transmission (802.11a, b or g) to Mac or Windows computers up to 492 ft. |

| | Wireless File Transmitter WFT-E4 II A | Wireless File Transmitter WFT-E4A | Wireless File Transmitter WFT-E3A | Wireless File Transmitter WFT-E2A |
|---|---|---|---|---|
| **Compatibility** | EOS 5D Mark II | EOS 5D Mark II | EOS 50D, 40D | EOS-1D Mark IV, 1Ds Mark III, 1D Mark III |
| **Description** | This wireless transmitter is dedicated to the EOS 5D Mark II with firmware upgrade. The transmitter is compatible with Wi-Fi Protected Setup to connect to a wireless LAN access point and automatically leads to the security setting for secure image transfer. Images can be stored in selected folders and the entire folder can be transferred. Added functions include IEEE 802.11a/b/g compatibility, WPS compatibility, camera linking function, Bluetooth function, media server function and WFT server Remote Live View. It allows wireless transmission (802.11a, b or g) to Mac or Windows computers up to 492 ft. | This wireless transmitter is dedicated to the EOS 5D Mark II. The transmitter is compatible with Wi-Fi Protected Setup to connect easily to a wireless LAN access point and it automatically leads to the security setting for secure image transfer. Sending a batch of photos wirelessly is easy with the WFT-E4A. Images can be stored in selected folders and the entire folder can be transferred at once. It retains the same features as the WFT-E3A including great handling for vertical shooting and wireless transmission (802.11b or g) to Mac or Windows computers up to 492 ft. (150m)** away. | This wireless transmitter is dedicated to the EOS 50D and 40D camera. Completely integrated design for outstanding handling; includes vertical controls. Wireless transmission (802.11b or g) to Mac or Windows computers. Three separate wireless methods, including wireless remote control of camera from computer. Transmits up to 492 ft. (150m)**, depending on environment and computer set-up; wired Ethernet connection up to 1,000 ft. (330m). Its USB port allows an external hard drive to be directly connected to the camera. | Canon's Wireless File Transmitter WFT-E2A allows photographers to transmit images from cameras directly to a computer over a wired or wireless local area network (LAN), incorporates a number of significant features into a robust, camera-powered system to make wireless transfer up to 492 ft. (150m)** faster, simpler and less cumbersome than WFT-E1A. The WFT-E2A is smaller and attaches to the side of the camera. |

** The WFT-E7A requires a firmware update and Interface Cables IFC-40AB II or IFC-150AB II to work with the EOS 5DS, EOS 5DS R, 5D Mark IV and 7D Mark II.*
*** With no obstructions between the transmitting and receiving antennas, and no radio interference. With a large, high-performance antenna attached to the wireless LAN access point.*

## Wi-Fi Adapter

| | Wi-Fi Adapter W-E1 |
|---|---|
| **Compatibility** | EOS 5DS, 5DS R, 7D Mark II* |
| **Description** | The Wi-Fi Adapter W-E1 accessory** fits into the SD card slot and enables wireless communications with compatible devices through dedicated apps. This allows remote operation and shutter release up to 32.8 feet away. Photos can be reviewed and transferred easily to compatible devices, as can MP4 video stored on the EOS 7D Mark II. |

## GPS Accessories

| | GPS Receiver GP-E2† | GPS Receiver GP-E1† |
|---|---|---|
| **Compatibility** | EOS-1D X, EOS 5DS, 5DS R, 5D Mark III††, 6D, 7D††, 80D, 70D, EOS Rebel T6s, T6i, T5i, T4i, SL1, T6, T5, EOS M | EOS-1D X |
| **Description** | The GP-E2 allows photographers to geotag their photos. Its compact, lightweight design smoothly integrates with the camera's hot shoe or USB terminal without the need for additional power. The GP-E2 automatically adds location information as EXIF data while shooting (latitude, longitude, altitude, direction, universal coordinated time (UTC)). An on-board electronic compass supports shooting even when held vertically, and the orientation can be displayed on a map with bundled software. The camera's clock can be easily set by the GP-E2's atomic clock. It can also be used as a stand-alone GPS logger. | To be used with the EOS-1D X, the GP-E1 is Canon's first GPS Receiver. Its compact, lightweight design smoothly integrates with the camera's extension system terminal, allowing the hot shoe to remain accessible without the need for additional power. The GP-E1 automatically adds location information as EXIF data while shooting (latitude, longitude, altitude, direction, universal coordinated time (UTC)). An on-board electronic compass supports shooting even when held vertically, and the orientation can be displayed on a map with bundled software. The EOS-1D X's clock can be easily set by the GP-E1's atomic clock. |

** EOS 7D Mark II, EOS 5DS and EOS 5DS R cameras that have already been purchased separately require a firmware update to utilize the Wi-Fi Adapter W-E1. ** The Wi-Fi Adapter W-E1 must be inserted into the available SD card slot. The W-E1 does not have storage and is not designed to record images. To record and store images, a CompactFlash card must be used in the dedicated CF card slot.*

*† In certain countries and regions, the use of GPS may be restricted. Therefore, be sure to use GPS in accordance with the laws and regulations of your country or region. Be particularly careful when traveling outside your home country. As a signal is received from GPS satellites, take sufficient measures when using in locations where the use of electronics is regulated. †† The EOS 5D Mark III and EOS 7D cameras require a firmware upgrade to be compatible with the GPS Receiver GP-E2. Firmware updates are available on each individual product's webpage on the Canon website. See* ***usa.canon.com/consumer*** *for our full line of products.*
***Note:*** *When the EOS 7D camera is used with the GP-E2 the following restrictions will apply: a) geotagging function will not work for movies while recording; b) geotagging features will not work for movies when using the Map Utility; c) electronic compass information and automatic time setting is not available; d) transmission via the hot shoe is not possible.*



# Remote Control & Accessories

**Canon accessories are the perfect choice to help enhance your EOS System's performance. Whether through recording data or controlling your camera remotely, Canon's own accessories are designed to complement your EOS camera.**



*EF 100mm f/2.8L Macro IS USM • f/5.6 • 1/80 sec.*

## Remote Controllers and Switches

| | Wireless Controller LC-5 | Remote Switch RS-80N3 | Timer Remote Controller TC-80N3* |
|---|---|---|---|
| **Compatibility** | All EOS cameras except EOS 80D, 70D, 60D, 60Da, EOS M5, M3, M10, M and Digital Rebel series, 1v Hs, 1v, 3 | All EOS cameras except EOS 80D, 70D, 60D, 60Da, EOS M5, M3, M10, M and Digital Rebel series, 1v Hs, 1v, 3 | All EOS cameras except EOS M5, M3, M10, M and 1v Hs, 1v, 3 |
| **Description** | • An extended-range Wireless Controller system designed for EOS cameras with N3 remote control sockets.<br>• Provides remote shutter release capability.<br>• Max. transmitter to receiver distance of 300 ft./91.5m | • Remote switch to prevent camera shake for super-telephoto or macro shots and bulb exposures.<br>• Works like a Shutter button, enabling halfway or complete pressing.<br>• Shutter release lock.<br>• Connects to N3-type socket.<br>• Cord length: 2.6 ft./80cm. | • Remote switch with self-timer, interval timer, long-exposure timer and exposure-count setting feature.<br>• Timer set from 1 sec. to 99 hrs., 59 min., 59 sec.<br>• Easy operations with new dial.<br>• Illuminated LCD panel.<br>• N3-type connector.<br>• Cord length: 2.6 ft./80cm. |

| | Remote Switch RS-60E3 | Wireless Remote Controller RC-6 |
|---|---|---|
| **Compatibility** | EOS 80D, 70D, 60D, 60Da, EOS M5, Rebel T6s, T6i, T5i, T4i, SL1, T3i, T6, T5, T3, T2i, T1i, XSi, Digital Rebel XTi/XT, Digital Rebel, ELAN 7 series, ELAN II/IIE, Rebel T2, Ti, 2000, G, X, XS, XSN, IX | EOS 5DS, 5DS R, 5D Mark IV, 5D Mark III, 6D, 5D Mark II, 7D Mark II, 7D, 80D, 70D, 60D, 60Da, EOS M5, M3, M, Rebel T6s, T6i, T5i, T4i, SL1, T3i, T2i, T1i, XSi, Digital Rebel XTi/XT, Digital Rebel, ELAN 7 series, ELAN II/IIE, ELAN, Rebel T2 Date, Ti Date, K2 Date, IX, 10S |
| **Description** | • Compact remote switch replicating all the functions of a shutter release button.<br>• Cord length: 2 ft./60cm. | • Compact design.<br>• Operates approximately 16.4 ft/5m from the camera.<br>• Set for either instant shutter release or 2-sec. delay.<br>• Activate mirror lock and bulb shutter functions. |

** Timer Remote Controller TC-80N3 requires Remote Controller Adapter RA-E3 to be used with the EOS 80D, 70D, 60D, 60Da Rebel T6s, T6i, T5i, T4i, SL1, T3i, T6, T5, T3 and T2i.*

## Remote Control Accessories

| | Remote Switch Adapter RA-N3 | Remote Controller Adapter RA-E3 | Remote Switch Adapter T3 | Extension Cord ET-1000N3 | Extension Cord 1000T3 |
|---|---|---|---|---|---|
| **Compatibility** | All EOS DSLR cameras except EOS-1D X Mark II, 1D X, EOS 5D Mark IV, 5D Mark II, 7D, 80D, 70D, 60D, 60Da, EOS M5 and Digital Rebel series, 1v Hs, 1v, 3 | EOS 80D, 70D, 60D, 60Da, Rebel T6s, T6i, T5i, T4i, SL1, T3i, T6, T5, T3, T2i | N3-compatible cameras*, EOS 1N RS, 1N, 1, A2/A2E, RT**, 630**, 620**, 650** | All EOS DSLR cameras except EOS-1D X Mark II, 1D X, 5D Mark IV, EOS 5D Mark II, 7D, 80D, 70D, 60D, 60Da, 50D, EOS M5 and Digital Rebel and Rebel series, 1v Hs, 1v, 3 | N3-compatible cameras*, EOS 1N RS, 1N, 1, A2/A2E, RT**, 630**, 620**, 650** |
| **Description** | • Enables old-model, T3 terminal-equipped accessories to be connected to cameras with the N3-type socket. | • Enables use of Timer Remote Controller TC80-N3 with EOS digital cameras that have a remote controller terminal that is not an N3-type socket. | • Enables use of remote control devices with standard 2-pin subminiature jacks with T3-compatible EOS cameras. | • Connects compatible EOS cameras with Timer Remote Controller TC-80N3 or Remote Switch RS-80N3.<br>• Cord length: 33 ft./10m. | • Used with any other T3-compatible accessories for extension.<br>• Cord length: 33 ft./10m. |

** T3 accessories require Remote Switch Adapter RA-N3 to be used with N3-series cameras.*
*** EOS RT, 650, 630 and 620 require Grip GR20 with built-in T3 remote socket.*

# Viewfinder Accessories

**For more customization, many of Canon's EOS cameras are compatible with a vast choice of eyecups, diopter lenses and more for greater versatility in a number of shooting situations.**



*EF 400mm f/4 DO IS II USM • f/4.5 • 1/400 sec.*

## Eyecups, Rubber Frames and Dioptric Adjustment Lenses

| | Magnifier MG-Eb[Δ] | Magnifier MG-Ef | Anti-Fog Eyepiece Ec | Anti-Fog Eyepiece Eg | Dioptric Adjustment Lens E | Dioptric Adjustment Lens Eg | Eyepiece Extender EP-EX15 II | Eyepiece Extender EP-EX15 |
|---|---|---|---|---|---|---|---|---|
| **Compatibility** | EOS 80D, 70D, 60D, 50D, 40D, 30D, 20D, 10D, D60, D30, RT, 850, 750, 700, 650, 630, 620, 10S, ELAN, Rebel T2, Ti, 2000, K2, GII, G, XSN, XS, X (Replacement eyecup) | EOS Rebel T6s, T6i, T5i, T4i, SL1, T3i, T2i, T6, T5, T3, T1i, XSi, XS, Digital Rebel XTi, XT, Digital Rebel, Rebel T2, Ti, K2 | EOS-1Ds Mark II, 1Ds, 1D Mark II N, 1D Mark II, 1D, D2000, 1v HS, 1v, 1N RS, 1N, 1 | EOS-1D X Mark II, 1D X, 1D Mark IV, 1Ds Mark III, 1D Mark III, 5DS, 5DS R, 5D Mark IV, 5D Mark III, 7D Mark II, 7D | All EOS SLR cameras except: EOS-1D X Mark II, 1D X, 1Ds Mark III, 1D Mark IV, 1D Mark III, EOS 5DS, 5DS R, 5D Mark IV, 5D Mark III, 7D Mark II, 7D, EOS-3, A2/A2e, ELAN 7 series, ELAN II/IIe, IX, IX Lite | EOS-1D X Mark II, 1D X, 1D Mark IV, 1Ds Mark III, 1D Mark III, 5DS, 5DS R, 5D Mark IV, 5D Mark III, 7D Mark II, 7D | EOS 5D Mark II, 70D 60D, 60Da, 50D, 40D, Rebel T6s, T6i,T5i, T4i, SL1, T3i, T6, T5, T3, T2i, T1i, XSi, XS | All EOS SLR cameras except: EOS-1D X Mark II, 1Ds Mark III, 1D Mark III, 6D, 5D Mark II, 60D, 60Da, 50D, 40D, EOS-3, A2/A2e, ELAN 7 series, ELAN II/IIe, IX, IX Lite |
| **Description** | These magnifiers help make it easier to check composition and magnify the images in the viewfinder by approximately 1.2 times. Note: Please note that the magnifier will reduce the field of view visible through the camera's viewfinder and display. This effect on the image through the viewfinder will be more pronounced while wearing glasses. The magnifier may blur the image visible through the viewfinder and may make it more difficult to focus the camera manually. Please note, the image taken with the camera will not be affected by any of the above. | | These eyecups use specially treated advanced-process glass, which helps to prevent condensation or fogging. The eyecups are useful in warm, humid and cold weather, when fogging is most likely to occur. | | These Dioptric Adjustment lenses provide near- and far-sighted users a clear viewfinder image without the use of eyeglasses. Available in versions from +3 to -4 dpt to match many types of eyesight, each Dioptric Adjustment Lens fits into the eyepiece holders of the appropriate EOS model for convenient use and a comfortable fit. Note: EOS-1Ds Mark III and EOS-1D Mark III require Dioptric Adjustment Lens Eg only. | | Extends the eyepiece 5/8" (15mm) from the camera body and reduces viewfinder magnification by 30%. Useful for eyeglass wearers and others to keep the tip of the nose from touching the camera body. | |

*Δ The EOS 5D Mark II, EOS 5D and EOS 6D are compatible with the Eyecup Eb, but the viewfinder image of full-size cameras will be greatly cut off, so the Magnifier cannot be used.*

| | Eyecup Eb | Eyecup Ec-II | Eyecup Ef | Eyecup Eg | Rubber Frame Eb* | Rubber Frame Ec* | Rubber Frame Ef* |
|---|---|---|---|---|---|---|---|
| **Compatibility** | EOS ELAN, Rebel series**, 700, 750, 850, 6D, 5D Mark II, 5D, 80D, 70D, 60D, 60Da, 50D, 40D, 30D, 20D, 20Da, 10D, D60, D30 | EOS-1Ds Mark II, 1Ds, 1D Mark II N, 1D Mark II, 1D, D2000, 1v HS, 1v, 1N RS, 1N, 1 | EOS Rebel T6s, T6i, T5i, T4i, SL1, T3i, T6, T5, T3, T2i, T1i, XSi, XS, Digital Rebel XTi/ XT, EOS Digital Rebel, Rebel T2, Ti, K2 | EOS-1D X Mark II, 1D X, 1D Mark IV, 1Ds Mark III, 1D Mark III, 5DS, 5DS R, 5D Mark IV, 5D Mark III, 7D Mark II, 7D | EOS 10S, ELAN, 6D 5D Mark II, 5D, 70D, 60D, 60Da, 50D, 40D, 30D, 20D, 20Da, 10D, D60, D30, Rebel series** | EOS-1Ds Mark II, 1Ds, 1D Mark II N, 1D Mark II, 1D, D2000, 1v HS, 1v, 1N RS, 1N, 1 | EOS Rebel T6s, T6i, T5i, T4i, SL1, T3i, T6, T5, T3, T2i, T1i, XSi, XS, XTi, XT, Digital Rebel, Rebel T2, Ti, K2 |

** Used with Dioptric Adjustment Lens E. ** Except Digital Rebel, Rebel T2, Ti and Rebel K2*

## Electronic Viewfinder

| | Electronic Viewfinder EVF-DC1 |
|---|---|
| **Compatibility** | EOS M3 |
| **Description** | Electronic Viewfinder EVF-DC1 provides a XGA resolution LCD that features 2.36 million dots and displays shooting information on the screen. It attaches to the hot shoe of compatible EOS cameras. |

## Angle Finder

| | Angle Finder C |
|---|---|
| **Compatibility** | All EOS SLR cameras (Includes Adapter Ec-C and Ed-C to fit any EOS camera.) |
| **Description** | Angle Finder C lets users adjust the viewing angle while providing a 2.5x magnification for critical focusing, or a full-screen image (1.25x) that includes exposure data. Provided with built-in dioptric adjustment for variations in eyesight. |

## Focusing Screens Eh Series

| | Eh-A: | Eh-S: |
|---|---|---|
| **Compatibility** | EOS 7D Mark II | |
| **Description** | Standard focus screen exclusively for the EOS 7D Mark II. Bright and easy to distinguish focus. For general photography with all lenses. | The Super Precision Matte screen obtains sharp points of focus when using bright lenses with a maximum f/2.8 or higher aperture. The finer microlens structure provides optimum focusing for various scenes. |

## Focusing Screens Eg Series

| | Eg-A II: | Eg-A: | Eg-D: | Eg-S: |
|---|---|---|---|---|
| **Compatibility** | EOS 6D | EOS 5D Mark II | EOS 6D, 5D Mark II | |
| **Description** | Standard focus screen exclusively for the EOS 6D. Bright and easy to distinguish focus. For general photography with all lenses. | Standard focus screen exclusively for the EOS 5D Mark II. Matte surface with nine AF points etched on screen. For general photography with all lenses. | Similar to standard Eg-A screen for EOS 5D Mark II, but with horizontal and vertical lines for precise subject placement or alignment. EOS 5D must be set to Custom Function IV-5-1 for accurate exposure metering. | An all-matte focus screen for the EOS 5D Mark II with finer microlens structure than the standard screens. Out-of-focus areas show more vividly than with EG-A and EG-D screens. EOS 5D Mark II must be set to Custom Function IV-5-2 for accurate exposure metering. |

## Focusing Screens Ef Series

| | Ef-A: | Ef-D: | Ef-S: |
|---|---|---|---|
| **Compatibility** | EOS 60D, 60Da, 50D, 40D | | |
| **Description** | The standard focus screen for EOS 40D. Standard Precision Matte surface, ideal with most lenses including zooms f/3.5 thru f/5.6. All matte surface. Includes a special tool to remove existing screen. | Precision Matte surface, with etched grid lines to assist composition. The EOS 40D's AF points remain fully visible. Focus characteristics suited to most lenses. | Exclusively for the EOS 40D, this focus screen is optimized for wide-aperture lenses from f/1.8 to f/2.8. Areas that are slightly out of focus appear more out of focus, making it easier to tell when focus is right-on. Ideal for users who frequently manually focus in dim light with fast lenses. |

## Focusing Screens Ec Series

| | Ec-A: Microprism | Ec-B: Split | Ec-C III: Laser-Matte | Ec-C IV: Laser-Matte |
|---|---|---|---|---|
| **Compatibility** | EOS-1D X Mark II*, 1D X††, All models of EOS-1Ds and EOS-1D, EOS D2000, EOS-1v, 1N, 1N RS, EOS-1 and EOS-3 | | | |
| **Description** | This matte field screen with microprism focusing spot in the center is used for general photography with all lenses. It achieves best results when using a lens of f/5.6 or faster. | This matte field screen with split-image focusing spot in the center is good for general photography with all lenses. | Standard on the EOS-1D series, EOS-1v HS/EOS-1v, and compatible with all EF lenses, this screen includes an Area AF ellipse and spot metering circle. Manual focus can be checked anywhere on the screen. | This Laser Matte Ec-C IV uses a shaping method improved over the Ec-C III. It is brighter, less grainy and better balanced, and achieves easier focusing and good background blur. |

| | Ec-C6: Standard Precision Matte | Ec-D: Laser-Matte with Sections | Ec-H: Laser-Matte with Scale | Ec-I: Laser-Matte with Double Cross-Hair Reticle | Ec-L: Cross-Split Image | Ec-N: Laser-Matte | Ec-R: Laser-Matte | Ec-S: Super Precision Matte† |
|---|---|---|---|---|---|---|---|---|
| **Compatibility** | EOS-1D X Mark II | EOS-1D X Mark II*, 1D X††, All models of EOS-1Ds and EOS-1D, EOS D2000, EOS-1v, 1N, 1N RS, EOS-1 and EOS-3 | | | | | | |
| **Description** | This standard precision matte screen comes bundled with the EOS-1D X Mark II camera. It features a fine microlens structure that provides superb focusing for a wide variety of scenes, as well as sharp clarity and ease of focus monitoring. | This is a matte field screen with sections. Grid lines assist in determining accurate picture composition. It is especially well suited for close-up photography or for copy work using EF macro lenses, it can also be used for general photography with all lenses. | A matte field screen with vertical and horizontal scales marked in millimeters, this screen is effective for close-up photography and photo-micrography. Useful in determining magnification ratios and composition, this screen can be used with all lenses. | This is a matte field screen with a clear center spot containing a double cross-hair reticule. Focusing is possible using the floating image of the central cross hair. This screen is particularly useful for photomicrography and astrophotography. Surrounding matte field can be used with all lenses. | This matte field screen has a cross-split image in the center, which divides the subject in half both vertically and horizontally for accurate manual focusing. Used for general photography with all lenses, best results are obtained when using a lens of f/5.6 or faster. | This is the standard screen for the EOS-3. The outer oval-shape has 45 AF points; the inner circle is for spot and FEL metering. When shooting, the focusing points will be indicated in red LCD markings. Along with the Ec-R screen, it is approximately a 1/2 stop brighter than the Laser-Matte series screens. | This is the standard screen provided with the EOS-1N RS. It compensates for decreased viewfinder brightness due to the low reflection factor of the pellicle mirror. It is about 1/2-stop brighter but otherwise similar to Focusing Screen Ec-CII. It can be used in all EOS-1 series cameras, as well as the EOS-3. | An all-matte focus screen for the EOS-1D Mark II N with finer microlens structure than the standard screens. Out-of-focus areas show more vividly than with the other Ec type screens. Ideal for fast lenses (f/1.8 through f/2.8 max aperture). |

** The EOS-1D X Mark II can only change focusing screens between EC-A, B and L.*

## Focusing Screen Sets for 4x5 and Square Formats

| | Ec-1Ds/Ec-1D/Ee: Crop Lines | Ec-1Ds/Ec-1D/Ee: Black Mask |
|---|---|---|
| **Compatibility** | EOS-1D X Mark II, EOS-1D X††, 1D Mark IV, 1Ds/1D Mark III, 1Ds/1D Mark II, 1Ds/1D | |
| **Description** | Ideal for the portrait and wedding photographer, the set "Crop Lines" includes two focus screens—one with 4x5 (or 8x10) crop lines etched on the screen, and a second screen with lines for square composition. All exposure metering can be performed normally in camera, and red focus point illumination remains fully active. The other sets "Black Mask" have an opaque black mask outside the picture area. One screen of the set shows the area for 4x5 (or 8x10) cropping, the other shows the area for square cropping. Partial or Spot metering is recommended for these screens. E-TTL II flash exposure will definitely require significant compensation. FEL (Flash Exposure Lock) in conjunction with either partial or spot metering is recommended. 3 types are available for both sets respectively, according to the size of the CMOS sensor and viewfinder optics: for full frame 1Ds series* and 1D series. * Can also be attached to 35mm EOS-1 series and EOS-3 cameras. | |

## Focusing Screens Ee Series

| | Ee-A: Precision Matte | Ee-D: Precision Matte with Grid Lines | Ee-S: Super-Precision Matte |
|---|---|---|---|
| **Compatibility** | EOS 5D | | |
| **Description** | Replacement standard focus screen exclusively for the EOS 5D. Matte surface with nine AF points etched on screen. For general photography with all lenses. | Similar to standard Ee-A screen for EOS 5D, but with horizontal and vertical lines for precise subject placement or alignment. Overall matte surface gives viewing and focusing very similar to standard Ee-A screen. EOS 5D must be set to Custom Function 00-1 for accurate exposure metering. | An all-matte focus screen for the EOS 5D with finer microlens structure than the standard screens. Out-of-focus areas show more vividly than with Ee-A and Ee-D screens. It works best with lenses from f/1.8 to f/2.8 max aperture, especially for manual focusing. EOS 5D must be set to Custom Function 00-2 for accurate exposure metering. |

***Note:*** *All focusing screens include a special tool for removing original screen and installing new screen. EOS-1Ds, EOS-1D Mark II, EOS-1D, EOS-1v HS and EOS-1v—If using New Laser Matte Focus Screens Ec-N or Ec-R, be sure to set camera's Custom Function C.Fn-0 to "0". EOS-3—If using Laser Matte Ec-A, Ec-B, Ec-C II, Ec-C III, Ec-D, Ec-I or Ec-L focus screens, be sure to set camera's Custom Function C.Fn-0 to "1". Exposure compensation is required when combining the focusing screen Ec-R with the EOS-1 or EOS-1N, and when combining the focusing screens Ec-A, B, CII, D, H, I and L with the EOS-1v RS. Refer to each focusing screen's instructions for detailed information. † EOS-1Ds Mark III, 1D Mark III and 1D Mark II N must be set to appropriate Custom Function for accurate exposure metering when this screen is installed. Manual exposure is required for use with other EOS-1 series cameras. †† For the EOS-1D X, by changing the Focusing Screen Custom Function setting, the camera can be compatible with the Laser Matte focusing screens: Ec-A, B, D, H, I, and L. The Ec-C IV and Ec-C, CII, CIII, S, N, and R focusing screens can also be installed, but since there is no Focusing Screen Custom Function setting for them, you must set exposure compensation as you shoot.*

# Peripherals

Designed to help you get the most out of your EOS cameras, Canon offers a number of different accessories, including a central storage device, cables, straps and more for added convenience and portability.



Canon Connect Station CS100

## Interface & Video Cables

| |  Interface Cable IFC-150U II*/ IFC-500U II |  Interface Cable IFC-200U**/ IFC-500U |  Interface Cable IFC-200D6 / IFC-200D4***/ IFC-200D44 |  USB Interface Cable IFC-400PCU****/ IFC-200PCU |  Mini-HDMI Cable HTC-100 |  AV Cable AVC-DC400ST***** |  Stereo Video Cable STV-250N |
|---|---|---|---|---|---|---|---|
| Length | 4.9 ft. (1.5m) /15.4 ft. (4.7m) | 6.9 ft. (1.9m) / 15.4 ft. (4.7m) | 6.6 ft. (2m) | 3.3 ft. (1m) | 9.5 ft. (2.9m) | 4.9 ft. (1.5m) | 4.9 ft. (1.5m) |
| Compatibility | EOS-1D X Mark II, 5DS, 5DS R, 5D Mark IV, 7D Mark II | EOS-1D X, 1Ds Mark III, 1D Mark III, 1D Mark IV, 5D Mark III, 6D, 5D Mark II, 7D, 80D, 70D, 60D, 60Da, 50D, 40D, Rebel T6s, T6i, T5i, T4i, SL1, T3i, T6, T5, T3, T2i, T1i, XSi, XS, EOS M3, EOS M | D6: EOS-1Ds, 1D / D4: 1Ds Mark II, 1Ds,1D Mark II N, 1D Mark II, 1D / D44: 1Ds Mark II, 1D Mark II N, 1D Mark II, IEEE 1394 (FireWire®) interface cables used to connect the EOS to a MAC or Windows. | 400 cable: EOS-1Ds, 1D Mark II, 1D Mark II N, 5D, 80D, 70D, 30D, 20D, 20Da, 10D, Rebel T6s, T6i, T6, Digital Rebel XTi, Rebel XT, Digital Rebel, EOS M3, M10 200 cable: EOS D60, D30 | EOS-1D X Mark II, 1D X, 1D Mark IV, 5DS, 5DS R, 5D Mark IV, 5D Mark III, 6D, 5D Mark II, 7D Mark II, 7D, 80D, 70D, 60D, 60Da, 50D, Rebel T6s, T6i, T5i, T4i, SL1, T3i, T6, T5, T3, T2i, T1i, EOS M3, M10, M | EOS-1D X, 1D Mark IV, 5D Mark III, 6D, 7D, 70D, 60D, 60Da, Rebel T6s, T6i, T5i, T4i, SL1, T3i, T2i, EOS M | EOS 5D Mark II |
| Description | USB cables for use with USB 3.0 Micro-B terminals, not compatible with USB Mini-B terminals. A cable protector (sold separately) must always be used. Using the IFC-500U II cable will result in the transfer speed equivalent to using USB 2.0, but it is designed to for a USB 3.0 Micro-B terminal. | | D6: 6-pin/6-pin, D4: 4-pin/6-pin, D44: 4-pin/4-pin, Mark II series cameras have 4-pin, FireWire connector. | USB interface cables used to connect the EOS to a Mac or Windows. | Cable to connect the Camera's mini-HDMI OUT terminal to the TV's HDMI port. | Enables direct image display from the EOS to an HD television or a similar display device. | Cable to connect the EOS 5D Mark II's 3.5mm dia. 4-pole mini jack to the TV or other appliance's AV jack (video and audio L/R). |

* Comes standard with the EOS-1D X Mark II, 5DS, 5DS R, 5D Mark IV, 7D Mark II. ** Comes standard with the EOS-1D X, 1Ds Mark III, 1D Mark IV, 1D Mark III, 5D Mark II, 7D, 60D, 60Da, 50D, 40D, Rebel T2i, T1i, XSi, XS.
*** Comes standard with the EOS-1D Mark II. **** Comes standard with the EOS-1Ds Mark III, 1D Mark IV, 1D Mark III, 1Ds Mark II,1D Mark II N, 1D Mark II, 5D Mark II, 7D, 5D, 50D, 40D, 30D, 20D, 10D, all Digital Rebel, and M3, M10 . ***** Comes standard with the EOS 1D Mark IV, 7D, 60D, 60Da, Rebel T3i, T2i.

## Connect Station

| |  Connect Station CS100 |
|---|---|
| Dimensions (W x H x D) | Approx. 6.13 x 2.01 x 6.13 in. / 155.6 x 51.1 x 155.6mm |
| Weight | 6.5 oz./ 185g |
| Description | A central storage device for managing, storing and viewing photos and videos. Up to 1 TB is available. Built-in Wi-Fi® and NFC help enable wireless transfer of photos and videos (wireless transferring available only with EOS, PowerShot cameras and VIXIA camcorders with NFC capabilities). |

## Microphone

| |  Directional Microphone DM-E1 |
|---|---|
| Dimensions (W x H x D) | Approx. 1.57 x 3.31 x 5.12 in. / 40.0 x 84.0 x 13.0mm |
| Weight | 3.88 oz./ 110g |
| Description | A directional stereo microphone developed to enhance the sound quality of Canon EOS digital cameras. It connects through an external mic jack, and features various directional controls to suit the environment you are in. Compatible with all Canon EOS digital cameras that have a microphone jack. |

## Rain Cover

| NEW  Rain Cover ERC-E5S | NEW  Rain Cover ERC-E5M | NEW  Rain Cover ERC-E5L |
|---|---|---|

The rain cover can be used with any EOS DSLR and select EOS film cameras by replacing the eyecup. Comes in small, medium and large to fit a wide range of lenses.



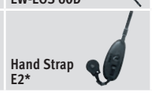
Back view

## Protecting Cloth

NEW 

Protecting Cloth PC-E1

## Canon Straps

| | | | | | |
|---|---|---|---|---|---|
|  Professional Neck Strap 1* |  Wide Neck Strap EW-EOS 5D Mark II |  Wide Strap EW-EOS 7D* |  Wide Strap EW-EOS 70D |  Wide Strap EW-EOS 60D* |  Neck Strap EM-200DB |
|  Wide Strap EW-100DB V* |  Wide Strap EW-100DB IV* |  Neck Strap L4 |  Neck Strap L3* |  Hand Strap E2* | NEW  Neck Strap EM-E2 (Brown/Black) |

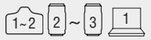
* Also available separately.

# Bags & Cases

Canon offers a comprehensive line of accessories for the photographer on the go. Canon's camera cases are built specially to help protect EOS models, and the bags can accommodate a number of different camera configurations. With a variety of styles and sizes available, these cases are the perfect complement to the EOS System.



## Bag

| |  Includes Custom Media Case 10DG Digital Gadget Bag 100DG |  Digital Gadget Bag 200DG |  Professional Gadget Bag 1EG |  Deluxe Gadget Bag 10EG |
|---|---|---|---|---|
| Storage Capacity |  |  |  |  |
| Dimensions | Inside: 13" x 9.5" x 6.25" (W x H x D) | Inside: 10.5" x 7.5" x 7" (W x H x D) | Inside: 14.2" x 8.7" x 8.3" (W x H x D) | Inside: 10.5" x 8.0" x 7.5" (W x H x D) |
| Description | To hold cameras, lenses, accessories and a laptop computer. It features a durable, water-repellent nylon extender, pockets and padded dividers. Also Custom Media Case 10DG* to organize memory cards and CDs is included. | This bag has a roomy main compartment for camera body and extra lenses. Front and side pockets hold extra batteries, storage media and others. This functional bag features a non-slip shoulder strap and water-resistant nylon covering to keep your gear safe and sound. | Waterproof, urethane-coated material provides this bag with superlative weather protection and the weather flapped top cover. Fully padded pockets and zippered pouches provide storage spaces with fast access to equipment. | Made with rugged, waterproof material with all the features of the Professional Gadget Bag 1EG. Plus a built-in waist belt that tucks away behind the rear pouch. |

| |  Gadget Bag 2400 |  Deluxe Back Pack 200EG |  Custom Gadget Bag 100EG |  Zoom Pack 1000 |
|---|---|---|---|---|
| Storage Capacity |  |  |  |  |
| Dimensions | Size: 9.5" x 7.0" x 6.0" (W x H x D) | Inside: 10" x 14.75" x 5" (W x H x D) | Inside: 9" x 7" x 5.5" (W x H x D) | Inside: 6.5" x 8.7" x 4.72" (W x H x D) |
| Description | A lightweight and versatile camera bag designed to hold your important gear. Durable water-repellant nylon shell and padded interior keep all equipment secure. Front and side pockets add storage space and easy access for smaller items. | Perfect for the active photographer. Constructed of rugged water-repellant nylon, well-arranged dividers and multiple pockets and pouches mean there is plenty of room for just about anything. | The front zippered pouch features 3 accessory pockets. The rear flat-pouch is perfect for storing things such as plane tickets. There is also a zippered full-length mesh pouch inside the tip cover. | Specially designed to comfortably transport one camera with a standard zoom lens. It features waterproof material, a belt strap and front pouch for small items such as films, memory cards or accessories. |

## Case

| |  Semi-Hard Case EH27-L |  Semi-Hard Case EH19-L |  Semi-Hard Case EH24-L | NEW  Body Jacket EH29-CJ (Brown/Black) * Cameras not included |
|---|---|---|---|---|
| Compatibility* | EOS Rebel T6s, T6i | EOS Rebel T5i, T4i, T3i, T5, T3, T1i, XSi | EOS Rebel T5i, T4i, T3i, T5, T3, T1i, XSi | EOS M5 |

* For compatibility with specific lenses see your Canon Authorized Dealer or visit ***usa.canon.com/eos***.

CINEMA EOS

LEAVE NO STORY UNTOLD

# GO WHEREVER THE STORY TAKES YOU






EOS C700 / EOS C700 PL / EOS C700 GS PL

4.5K



EOS C500 / EOS C500 PL

4K 2K HD



EOS C300 Mark II / EOS C300 Mark II PL

4K 2K HD



EOS-1D C

4K HD



EOS C100 Mark II

HD



Cinema Lenses

# CINEMA LENSES



**Canon's expanding lineup of dedicated Super 35mm Cinema Lenses is engineered to meet the most demanding requirements of high-end cinematography. Covering a wide range of popular cinema focal lengths, they're fit for everything from film production to TV commercials. These are the lenses filmmakers need for all reasons.**

### Canon Cinema Zoom and Compact Zoom Lenses

Canon Cinema Zoom and Compact Zoom Lenses use advanced optical glass materials, optical coatings and powerful sophisticated design techniques to offer amazing 4K optical performance. All four lens models are available in EF- or PL-mount versions, and for added flexibility the mount on all models can be switched at a Canon service facility.

**Zoom Lens Series** – Canon Cinema Zoom Lenses offer extraordinary optical performance that exceeds 4K resolution. They combine fluorite and aspherical lens elements, the latest in advanced optical coatings and superb lens designs for outstanding edge-to-edge image quality. These lenses also feature minimal lens distortions and exceed the resolving power of the prime lenses at all zoom levels. Surprisingly low-weight, they cover the range of focal lengths most commonly used in filmmaking.

**Compact Zoom Lens Series** – Canon Cinema Compact Zoom Lenses offer 4K resolution in form factors that enable more flexible, less intrusive shooting. They feature a constant T-number (2.8) throughout their zoom ranges as well as the latest advancements in lens design for outstanding image quality and minimal distortion. These lenses are ideal for Steadicam™ and hand-held shooting as well as for applications beyond filmmaking.

### Canon Cinema Prime Lenses

The flexible series of Canon Cinema Prime Lenses offers spectacular 4K-image quality and a full-frame image circle, in lightweight, compact designs. This family of lenses features high optical speed, produces amazingly sharp images and superb contrast and maintains tightly controlled focus breathing and geometric distortion. Low T-numbers enable better low-light shooting and enhanced image expression with shallow depth of field and beautiful bokeh of large image circles. These EF-mount models offer consistent form factors and markings that have been optimized for motion picture production, and represent the beginning of an evolving family of cinema primes. Canon Cinema Prime Lenses are also compatible – under manual operation – with all Canon EOS DSLR models, including both full-frame cameras and models that use APS-C sensors.

### CINE-SERVO and COMPACT-SERVO Lenses

Canon CINE-SERVO and COMPACT-SERVO lenses pair a servo drive unit with a compact design to facilitate mobile recording. CINE-SERVO lenses provide outstanding versatility and operability and superb 4K optical performance suitable for cinema and broadcast applications. Ideal for cinematographers who are looking to step up to a variety of professional video productions, COMPACT-SERVO lenses are even more portable and lightweight for increased mobility.

### Cinema Lens Gearing and Control

Canon Cinema Lenses meet cinematographers' highest expectations of control over focus, iris and zoom. Wide rotation angles – especially on focus controls – combine with large, highly visible scales, high mechanical accuracy and tactile resistance that augments operational precision. A unique optical design significantly minimizes focus breathing, facilitating a new level of creative focus pulls. The gears of on select lenses are precisely matched in location and diameter for convenient lens exchange during a shoot.

# CINEMA CAMERAS

**Each Cinema EOS camera offers superb image performance and outstanding operational features and benefits. They are innovative, digitally and physically robust and backed by Canon's legendary high-quality craftsmanship. Indeed, these are the cinema cameras that let you go wherever the story takes you.**

## EOS C700 / EOS C700 PL / EOS C700 GS PL 4.5K



### Our Flagship Cinema EOS Camera

The Cinema EOS C700 Digital Cinema Camera* is what so many cinematographers having been asking for from Canon, incorporating what Canon has learned through professional feedback since the original Cinema EOS C300 was announced. Designed to be a flexible "A" camera for any type of shooting scenario, the EOS C700 features both internal 4K ProRes and XF-AVC recording, and can record uncompressed RAW up to 120 frames per second with the optional 4K Codex CDX-36150 recorder. The EF and PL mount versions of the camera feature a pixel resolution up to 4.5K and a dynamic range of 15 stops, while the EOS C700 GS PL features 14 stops of dynamic range, up to 4.2K resolution and a global shutter.

** At time of printing, the Cinema EOS C700 has not been authorized as required by the rules of the Federal Communications Commission. This device is not, and may not be, offered for sale or lease, or sold or leased, until authorization is obtained.*

## EOS C500 / EOS C500 PL 4K 2K HD



### A Digital Cinema Camera with Few Competitors

The Canon EOS C500 4K Digital Cinema Camera offers many contemporary high-resolution motion-imaging choices. Direct readout from its Canon-developed Super 35mm 4K CMOS image sensor eliminates the debayering process and allows for uncompressed 2K or HD 4:4:4 RGB, as well as 4K Half Raw, at up to 120P frame rates to be output to external recorders via 3G-SDI serial interface. To accommodate 4K production, it can also image in either the cinema-centric 4096 x 2160 format, or the television-centric 3840 x 2160 UHDTV format by delivering uncompressed 4K RAW output to external recorders.

## EOS C300 Mark II / EOS C300 Mark II PL 4K 2K HD



### A Camera Built to Keep Up With Your Vision

The EOS C300 Mark II Digital Cinema Camera is an evolutionary 2nd generation Cinema EOS 4K camera system with many new features including 4K/2K/Full HD internal and external recording (including 4K RAW output), a new 10-bit Canon Log 2 Gamma and a developed 8.85 Megapixel Canon Super 35mm 16:9 CMOS image sensor. It also features an expanded dynamic range of 15 stops, improved Dual Pixel CMOS Autofocus, innovative focus assist engineering and CFast™ recording technology. It helps to deliver more creative flexibility for professional studio motion picture production applications, as well as independent productions, TV dramas, commercials, news features, sports and more.

## EOS-1D C 4K HD



### The First Ever Canon 4K DSLR Cinema Camera

The Canon EOS-1D C 4K DSLR Cinema Camera is a singularly unique, self-contained motion-imaging system. It utilizes a Canon-developed Full-Frame 18.1 Megapixel CMOS image sensor and offers digital 4K at 24 fps motion imaging, two separate modes of 16:9 HD motion imaging, and full-frame image grabs with resolution suitable for high-end digital stills – all captured in-camera to CF cards. Motion-JPEG compression is used for 4K YUV 4:2:2 recording, and MPEG-4 AVCHD / H.264 codecs for the two HD modes – each at high data rates – help ensure excellent image capture performance.

## EOS C100 Mark II HD



### A Digital HD Camera Designed for Maximum Creative Freedom

Optimized for one-person use and compatible with the full range of Canon EF, EF-S, and EF-mount CN-E Cinema lenses, the greatly evolved Canon EOS C100 Mark II Digital HD camera integrates the same Emmy®-Award winning Canon Super 35mm CMOS Sensor used in all of Canon's Cinema EOS cameras, but now it replaces the Canon DIGIC DV III Image Processor with the more sophisticated Canon DIGIC DV 4 Image Processor. In addition to improved RGB video processing, the camera's dual codec capability supports simultaneous AVCHD and MP4 recording, including 59.94P capture along with slow and fast motion recording. A re-designed 270˚ rotating 3.5-inch OLED panel, and a tiltable large EVF with large-sized eyecup, further empower the camera operator.

# The Perfect Complement to Your EOS System

PowerShot DIGITAL CAMERA

The PowerShot G-Series packs high picture quality into a line-up of premier compact cameras. They have a large 1.5-inch or 1.0-inch CMOS sensor, a fast lens and unique features designed to help you capture your vision the way you want. With the PowerShot G-Series, there's a choice for everyone.



## PowerShot G1 X Mark II DIGITAL CAMERA

### The Mark of PowerShot Excellence

The PowerShot flagship raises imaging performance with a large, 1.5-inch CMOS sensor, a powerful **DiG!C 6** Image Processor and a 5x Optical Zoom lens with Optical Image Stabilizer. Wi-Fi®** and NFC*** enabled and compatible with select EOS accessories, the PowerShot G1 X Mark II camera is a powerful compact camera that can handle most any photographic situation it encounters.

1.5" type CMOS · 12.8 MEGA PIXELS HIGH-SENSITIVITY CMOS 3:2 aspect ratio · 24mm WIDE 5× · f/2.0-3.9 LENS · HS SYSTEM · DIGIC 6 · FULL HD 1080 · 3.0" Touch 180° 45° Tilt LCD · RAW Multi aspect



## PowerShot G3 X DIGITAL CAMERA

### Voyage to Awe-Inspiring Images

The PowerShot G3 X camera packs a design that's easy to carry, a 1.0-inch CMOS sensor and an incredible 25x Optical Zoom lens. Capture action in 1080p Full HD video, and share your images/videos with built-in Wi-Fi®** and NFC***. Whether you're traveling near or far, you'll want to pack the PowerShot G3 X camera.

1.0" type CMOS · 20.2 MEGA PIXELS HIGH-SENSITIVITY CMOS · 24mm WIDE 25× · f/2.8-5.6 LENS · HS SYSTEM · DIGIC 6 · FULL HD 1080 · 3.2 aspect 180° 1.62 MEGA Dots · RAW Multi aspect



## PowerShot G5 X DIGITAL CAMERA

### Great Images Are in Your View

The first PowerShot G-Series camera to incorporate a full-featured 2.36 million dot electronic viewfinder, the PowerShot G5 X camera makes it simple to capture high-quality stills and video without taking your eye away from the camera. With its 1.0-inch CMOS sensor and a 4.2x Optical Zoom lens, it can deliver incredible performance that's easy to see.

1.0" type CMOS · 20.2 MEGA PIXELS HIGH-SENSITIVITY CMOS Total 20.9 megapixels · 24mm WIDE 4.2× · f/1.8-2.8 LENS · HS SYSTEM · DIGIC 6 · FULL HD 1080 · Vari-angle · RAW Multi aspect



## PowerShot G7 X Mark II DIGITAL CAMERA

### Illuminate Your Passion

Stay inspired with the PowerShot G7 X Mark II camera, which combines exhilarating speed and performance with a smart, compact design. Featuring a 1.0-inch sensor, the new **DiG!C 7** Image Processor, a fast 4.2x Optical Zoom lens, 31 AF points and up to 8.0 fps continuous shooting, it can help capture great images whenever your creativity sparks.

1.0" type CMOS · 20.1 MEGA PIXELS CMOS approx. 20.9 total · 24mm WIDE 4.2× · f/1.8-2.8 LENS · HS SYSTEM · DIGIC 7 · FULL HD 1080 · 3.0" Touch 180° 45° Tilt LCD · RAW Multi aspect



## PowerShot G9 X DIGITAL CAMERA

### Slim Brilliance

If you're looking for a camera that can fit in your pocket but still take high-quality photos and video, the PowerShot G9 X camera is for you. It features a 1.0-inch CMOS sensor, a **DiG!C 6** Image Processor and a 3x Optical Zoom lens in a slim, stylish package that's easy to keep with you.

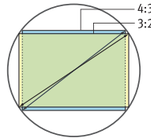
1.0" type CMOS · 20.2 MEGA PIXELS HIGH-SENSITIVITY CMOS Total 20.9 megapixels · 28mm WIDE 3× · f/2.0-4.9 LENS · HS SYSTEM · DIGIC 6 · FULL HD 1080 · 3.0" Touch · RAW Multi aspect

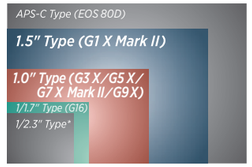


## Large CMOS Sensors

1.5" type CMOS · 1.0" type CMOS

The 1.5-inch type and 1.0-inch type CMOS sensor found on PowerShot G-Series cameras capture stills and videos in amazing quality. These large sensors capture more light with every pixel, enabling incredible low-light performance up to ISO 12800 with minimal noise and a wide dynamic range even in shadow and highlight areas. They also allow RAW images to be captured in 3:2 and 4:3 while maintaining the same angle of view. The added benefit of fast lenses offers great control over depth of field, making it easy to achieve sharp images with beautiful background blur.




** Size used in most point-and-shoot cameras*

## Bright Lenses

The PowerShot G1 X Mark II, G3 X, G5 X, G7 X Mark II and G9 X cameras come equipped with some of the most outstanding optics offered by Canon. Maximum apertures, fast lenses, wide-angle zooms and the lens-based Optical Image Stabilizer (OIS) help ensure that images are sharp and crisp. Hybrid IS works in unison with OIS to greatly reduce pitch and yaw during macro photography.



## HS SYSTEM

The superb performance of the PowerShot G1 X Mark II, G3 X, G5 X, G7 X Mark II and G9 X cameras is in no small part due to the Canon HS SYSTEM. The combination of an advanced high sensitivity sensor and the brilliant **DiG!C** Image Processor, along with bright lenses and the Canon Optical Image Stabilizer, help ensure enhanced performance. It delivers lower noise images even at higher ISO speeds and an increase in dynamic range. The result is dramatically improved image quality with less blurring and superb detail in numerous shooting situations.




## DiG!C Image Processors

DIGIC 7 · DIGIC 6

Since their groundbreaking introduction in 1999, Canon DIGIC Image Processors have set the standard for performance and brought powerful features to PowerShot digital cameras with each successive generation. **DiG!C** Image Processors provide high-speed continuous shooting and Full HD video, and also enables Full HD video in MP4 format and steadier video shooting. These processors also deliver advanced noise reduction under low light and an advanced Multi-area White Balance. The powerful **DiG!C 6** Image Processor brings outstanding clarity to low-light shooting for incredibly steady video capture, while the new **DiG!C 7** Image Processor helps ensure each image has high amounts of sharpness and keeps picture noise to a minimum.

## HD Video

FULL HD 1920×1080

The PowerShot G1 X Mark II, G3 X, G5 X, G7 X Mark II and G9 X cameras do more than take amazing photos. They are also superbly versatile image capture tools that can shoot stunning 1080p Full HD video. The PowerShot G3 X, G5 X, G7 X Mark II and G9 X can record in 1080p/60p for truly cinematic quality. Enjoy your spectacular HD footage with stereo sound on your HDTV using the convenient HDMI output connector.

## Optical Image Stabilizer

OPTICAL IMAGE STABILIZER

Handheld shooting can often lead to camera shake, making photos and videos blurry. Canon's Optical Image Stabilizer is a sophisticated system that shifts a lens group to correct unwanted camera movement. It makes handheld photography more practical in more shooting situations, reducing camera shake for a sharper, steadier image, even in low light.

## Intelligent IS

INTELLIGENT IS

Intelligent IS analyzes camera movement and applies the best shake correction method for the shooting situation. For still photos, the system automatically selects from among Normal IS, Panning IS, Macro (Hybrid) IS and Tripod modes. When shooting video, the system automatically selects from Dynamic IS, Powered IS, Macro (Hybrid) IS and active Tripod IS modes. This sophisticated technology helps you concentrate on image capture, while letting the camera make the most effective IS settings to prevent blur.

## RAW Image Capture

RAW

The PowerShot G1 X Mark II, G3 X, G5 X, G7 X Mark II and G9 X cameras offer RAW image recording in addition to JPEG. Perfect for images that the photographer wishes to work with in post-production, RAW files are the equivalent of digital negatives, in that only the image data is recorded. RAW image files allow the photographer to alter aspects like color balance, sharpness, saturation and more, infinite times in post-production practically without image degradation.

## Touch Panel LCD

3.0" Touch 180° 45° Tilt LCD

Features like a capacitive, tilt, touch panel LCD and control rings bring a new level of versatility and customization to the photographic process. The capacitive touch panel LCDs on the PowerShot G1 X Mark II, G3 X, G5 X, G7 X Mark II and G9 X make shooting more intuitive, while the tiltable LCD monitors on the PowerShot G1 X Mark II, G3 X, G5 X and G7 X Mark II cameras allow for composing and shooting at a number of angles.

## Built-in Wireless Capability

Wi Fi CERTIFIED · NFC

Built-in Wi-Fi® and NFC connectivity on the PowerShot G1 X Mark II, G3 X, G5 X, G7 X Mark II and G9 X enables easy sharing of images to social networking sites, CANON iMAGE GATEWAY#, compatible iOS® or Android™ devices** and allows for wireless printing to a PictBridge (Wireless LAN) certified printer. Wireless capabilities also make it possible to use a smartphone to control camera functions remotely using the Canon Camera Connect app**. Plus, there's built-in NFC to streamline connection to compatible Android™ devices***.

*** Compatible with iOS® versions 8.0/8.1/8.2/8.3/8.4/9.0/9.1/9.2/9.3, Android™ smartphone and tablet versions 4.1/4.2/4.3/4.4/5.0/5.1/6.0. Data charges may apply with the download of the free Canon Camera Connect app. This app helps enable you to upload images to social media services. Please note that image files may contain personally identifiable information that may implicate privacy laws. Canon disclaims and has no responsibility for your use of such images. Canon does not obtain, collect or use such images or any information included in such images through this app.*
**** Compatible with Android™ smartphone and tablet versions 4.0/4.1/4.2/4.3/4.4/5.0/5.1/6.0..*
*# One-time registration is required on CANON iMAGE GATEWAY online photo album.*

# Canon Digital Learning Center

Canon Digital Learning Center (CDLC) is an on-line educational resource designed to help users evolve and advance their skills. From information on a variety of Canon imaging equipment to tips on composition, lighting, video and printing techniques, the CDLC informs and inspires at every step to help give your creativity and confidence a boost. Simply visit **learn.usa.canon.com** and get started today!




*Events Calendar*

*Galleries*

*Mobile-friendly*

*Home Page*

*Video Knowledge Base*

## Expand Your Knowledge

Continuously updated, the CDLC offers an ever-growing collection of helpful information.

Watch How-to videos on a wide variety of imaging topics, including equipment and techniques. Visit galleries to be inspired by some of the world's most eye-catching and history-making still and motion images. Read in-depth articles on how to make the most of your equipment and check out our weekly blog written by Canon technical advisors and special guest contributors. Go behind the scenes at photo and video shoots and learn by watching the nation's greatest image-makers practice their crafts.

For those who want to go beyond online learning, the CDLC also hosts a Sponsored Events Calendar. Users can browse through a comprehensive selection of workshops, seminars, lectures and trade shows throughout the country. All combined, the CDLC is an extraordinary resource for pure inspiration and technical mastery of your Canon imaging products.




*How-to Videos and Image Galleries*




*Camera Tutorials Gallery, and Sample Tutorial Video*

# Canon Live Learning

Canon Live Learning (CLL) presents exclusive experiences offered around the country by delivering dynamic learning opportunities for enthusiasts and professionals through workshops and high-quality hands-on classes. Led by industry experts and professional photographers, including Canon's Explorers of Light, you will gain both technical and creative expertise through these exciting programs. To learn more, visit: **usa.canon.com/canonlivelearning**.



## Learn from the Pros

Canon provides professional imagemakers with the high-level instruction and educational resources needed to stay in touch with industry demands across the country, including the Canon Hollywood Professional Technology & Support Center.

With instruction from industry pros, discover new creative and technical opportunities made possible by EOS HD-capable DSLR and Cinema EOS cameras. Our hands-on intensive workshops are designed for video and film professionals who want to master the cinematographic capabilities of EOS HD DSLR and Cinema EOS, as well as still photographers looking to expand their professional offerings to the moving image. Additionally, new offerings are always in development for our professional imagemakers.

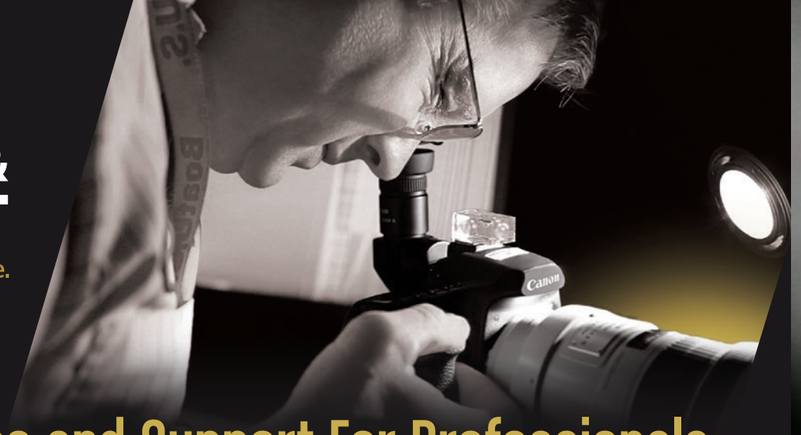
The CLL San Francisco space provides ongoing access to photo education programs for all levels of Canon users, tailoring to their camera and needs. Our most recent addition to the Canon Live Learning Program is Canon Experience Center in the Costa Mesa, California region. Canon Live Learning Orange County provides the opportunity for image enthusiasts to participate in ongoing photo education programs of all levels in our new facility featuring dedicated CLL classrooms, a CPS Lounge, Service & Support Center and Photo Focal point for testing Canon equipment.




*Canon Live Learning: Workshops and Classes Page*

For the adventuresome enthusiast, Canon combines some of the most beautiful and exciting locations in the USA with our elite Explorers of Light instructors for the EOS Destination Workshops. These intimate multi-day workshops take the CLL experience into the field.

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