

Type	
<b>Type</b>	Digital interchangeable lens, mirrorless camera
<b>Image Processor</b>	DIGIC X
<b>Recording Media</b>	(One) SD card slot <ul style="list-style-type: none"> <li>• Compatible with UHS-I</li> <li>• Eye-Fi cards and Multimedia cards (MMC) are not supported.</li> </ul>
<b>Compatible Lenses</b>	Canon RF lens group (including RF-S lenses) When using Mount Adapter EF-EOS R: Canon EF or EF-S lenses (excluding EF-M lenses)
<b>Lens Mount</b>	Canon RF mount
Image Sensor	
<b>Type</b>	APS-C CMOS sensor (compatible with Dual Pixel CMOS AF)
<b>Effective Pixels</b>	Approx. 24.2 megapixels
<b>Screen Size</b>	Approx. 36.0 x 24.0 mm
<b>Pixel Unit</b>	Approx. 3.72 μm square
<b>Total Pixels</b>	Approx. 25.5 megapixels
<b>Aspect Ratio</b>	3:2 (Horizontal: Vertical)
<b>Color Filter System</b>	RGB primary color filters
<b>Low Pass Filter</b>	Installed in front of the image sensor, non-detachable
<b>Dust Deletion Feature</b>	Self Cleaning Sensor Unit not provided.  Manual cleaning (by hand) not supported.  Dust Delete Data acquisition and appending <ul style="list-style-type: none"> <li>• The coordinates of the dust adhering to the low-pass filter are detected by a test shot and appended to subsequent images.</li> <li>• The dust coordinate data appended to the image is used by the EOS software to automatically erase the dust spots.</li> <li>• Not available during focus bracket shooting.</li> </ul>
Recording System	
<b>Recording Format</b>	Compliant to Design rule for Camera File system 2.0 and Exif 2.31* *Supports time offset information
<b>Image Format</b>	JPEG (.JPG), HEIF (.HIF), RAW, C-RAW (.CR3) Movies: ALL-I (Time-lapse video only), IPB (Light)

**File Size**

	<b>Image Quality</b>	<b>File Size [Approx. MB]</b>	<b>Available Shots [Approx.]*<sup>1</sup></b>
<b>JPEG*<sup>2</sup></b>	<b>L (fine)</b>	8.7	3510
	<b>L (Normal)</b>	4.6	6610
	<b>M (fine)</b>	4.7	6430
	<b>M (Normal)</b>	2.6	11400
	<b>S1 (Fine)</b>	3.1	9760
	<b>S1 (Normal)</b>	1.8	16130
	<b>S2</b>	1.8	16260
<b>HEIF*<sup>3</sup></b>	<b>L (fine)</b>	9.1	3360
	<b>L (Normal)</b>	7.0	4380
	<b>M (fine)</b>	5.4	5630
	<b>M (Normal)</b>	4.3	7170
	<b>S1 (Fine)</b>	3.7	8220
	<b>S1 (Normal)</b>	3.0	10100
	<b>S2</b>	2.2	14110
<b>RAW*<sup>2</sup></b>	<b>RAW</b>	27.0	1140
	<b>C-RAW</b>	14.0	2230
<b>RAW+JPEG*<sup>2</sup></b>	<b>RAW + L (fine)</b>	27.0 + 8.7	860
	<b>C-RAW + L (fine)</b>	14.0 + 8.7	1360
<b>RAW+HEIF*<sup>3</sup></b>	<b>RAW + L (fine)</b>	29.9 + 9.1	780
	<b>C-RAW + L (fine)</b>	16.9 + 9.1	1180

\*1: Number of shots using a 32 GB card that conforms to Canon testing standards.

\*2: When set to [HDR shooting (HDR PQ): Disable].

\*3: When set to [HDR shooting (HDR PQ): Enable].

\* File sizes are determined based on Canon testing standards.

\* File size varies by shooting conditions (such as aspect ratio, subject, ISO speed, Picture Style, and Custom Functions).

	Image Quality	Electronic 1st-curtain (Approx. 12 shots/sec.)	Electronic shutter (Approx. 15 shots/sec.)	
		Standard card*1	Standard card*1	
<b>Maximum Burst</b>	<b>JPEG*2</b>	L (fine)	42	28
		M (fine)	42	28
		S1 (Fine)	42	28
		S2	42	28
	<b>HEIF*3</b>	L (fine)	41	24
		M (fine)	41	24
		S1 (Fine)	41	24
		S2	41	24
	<b>RAW*2</b>	RAW	7	7
		C-RAW	15	15
	<b>RAW+JPEG*2</b>	RAW + L (fine)	7	7
		C-RAW + L (fine)	13	13
	<b>RAW+HEIF*3</b>	RAW + L (fine)	7	7
		C-RAW + L (fine)	13	13
	<b>File Numbering</b>	<p>The following file numbers can be set:</p> <ol style="list-style-type: none"> <li>1. File numbering methods <ol style="list-style-type: none"> <li>a. Continuous numbering <ol style="list-style-type: none"> <li>i. The numbering of captured images continues even after you replace the card.</li> </ol> </li> <li>b. Auto reset <ol style="list-style-type: none"> <li>i. When you replace the card, the numbering will be reset to start from 0001. If the new SD card already contains images, the numbering will continue from the last recorded image in the card.</li> </ol> </li> </ol> </li> <li>2. Manual reset <ol style="list-style-type: none"> <li>a. Resets the file number to 0001, and creates a new folder automatically. <ul style="list-style-type: none"> <li>* When manually resetting the file number, folders can also be renamed.</li> </ul> </li> </ol> </li> </ol>		
	<b>RAW + JPEG / HEIF Simultaneous Recording</b>	Simultaneous recording of any combination of RAW/C-RAW and JPEG/HEIF image-recording quality is supported.		
<b>Color Space</b>	Selectable between sRGB and Adobe RGB			

\*1: Number of shots using a 32 GB UHS-I card that conforms to Canon testing standards.

\*2: When set to [HDR shooting (HDR PQ): Disable].

\*3: When set to [HDR shooting (HDR PQ): Enable].

\* Maximum burst as measured under conditions conforming to Canon testing standards (High-speed continuous shooting + in One-Shot AF mode, ISO 100, and Standard Picture Style).

\* Number of shots available varies depending on shooting conditions (such as cropping/aspect ratio, subject, memory card brand, ISO speed, Picture Style, and Custom Function).

<b>Picture Style</b>	<p>(1) Auto  (2) Standard  (3) Portrait  (4) Landscape  (5) Fine Detail  (6) Neutral  (7) Faithful  (8) Monochrome  (9) User Defined 1–3</p> <p>* Picture Style files can be registered to user-defined settings 1–3.</p>
<b>White Balance</b>	
<b>Settings</b>	<p>(1) Auto (Ambience priority/White priority)  (2) Daylight  (3) Shade  (4) Cloudy*<sup>1</sup>  (5) Tungsten light  (6) White fluorescent light  (7) Flash  (8) Custom (Custom WB)  (9) Color temperature*<sup>2</sup></p> <p>*1: Effective also in twilight and sunset.  *2: With an EX / EL-series Speedlite having the color temperature information transmission feature, the color temperature setting changes to match the color temperature when the flash is fired. Set to approx. 6000 K if the flash unit does not have the color temperature communication feature.</p>
<b>Auto White Balance</b>	Option between ambience priority and white priority settings, using SET button
<b>White Balance Shift</b>	<p>Blue/amber bias: ±9 levels  Magenta/green bias: ±9 levels</p> <ul style="list-style-type: none"> <li>• Shifted from the color temperature of the current WB mode.</li> <li>• Blue/amber and magenta/green shift can be set at the same time.</li> </ul> <p>WB Bracketing available, up to ±3 levels Blue/amber or magenta/green, via Quick Control Dial</p>
<b>Viewfinder</b>	
<b>Type</b>	OLED color electronic viewfinder; 0.39-inch, approx. 2.36 million dots
<b>Coverage</b>	Approx. 100% (at JPEG Large image quality, 3:2 aspect ratio, approx. 22 mm eyepoint)
<b>Magnification / Angle of View</b>	Approx. 0.96× / Approx. 28.0° (3:2 aspect ratio, with 50mm lens at infinity, –1 m–1)
<b>Eye Point</b>	Approx. 22 mm (at –1 m <sup>-1</sup> from eyepiece lens end)
<b>Dioptic Adjustment Range</b>	Approx. –3.0 to +1.0 m <sup>-1</sup> (dpt)

<b>Viewfinder Information</b>	<ul style="list-style-type: none"> <li>(1) Maximum burst</li> <li>(2) Possible shots/Sec. until self-timer shoots</li> <li>(3) Focus Bracketing/ Multiple-exposure/HDR shooting/Multi Shot Noise Reduction/Bulb time/Interval timer</li> <li>(4) Shooting mode</li> <li>(5) AF method</li> <li>(6) AF operation</li> <li>(7) Image quality</li> <li>(8) Card</li> <li>(9) Drive mode</li> <li>(10) Metering mode</li> <li>(11) No. of remaining shots for focus bracketing, multiple exposures, or interval timer</li> <li>(12) Electronic level</li> <li>(13) Movie recording time available</li> <li>(14) Battery level</li> <li>(15) Image Stabilizer (IS mode)</li> <li>(16) Histogram (Brightness/RGB)</li> <li>(17) Quick Control button</li> <li>(18) Anti-flicker shooting</li> <li>(19) White balance/White balance correction</li> <li>(20) Picture style</li> <li>(21) Auto Lighting Optimizer</li> <li>(22) Still photo cropping / Aspect ratio</li> <li>(23) AF point (1-point AF)</li> <li>(24) AEB/FEB</li> <li>(25) View Assist</li> <li>(26) HDR PQ</li> <li>(27) Flash ready / FE lock / High-speed sync</li> <li>(28) Electronic shutter</li> <li>(29) Touch shutter / Create folder</li> <li>(30) AE lock</li> <li>(31) Shutter speed / Multi-function lock warning</li> <li>(32) Aperture value</li> <li>(33) Wi-Fi® function</li> <li>(34) Wi-Fi® signal strength</li> <li>(35) Bluetooth® function</li> <li>(36) Exposure simulation</li> <li>(37) Magnify button</li> <li>(38) ISO speed</li> <li>(39) Highlight tone priority</li> <li>(40) Exposure compensation</li> <li>(41) Exposure level indicator</li> </ul>
<b>Autofocus</b>	
<b>Focus Method</b>	Dual Pixel CMOS AF
<b>Number of AF zones available for Automatic Selection</b>	AF area: Horizontal: Approx. 100% x Vertical: Approx. 100% (100% x 100% AF coverage in Face Detect + Tracking AF; coverage can vary, depending upon lens being used) Stills: Max. 651 zones (31 x 21) Movies: Max. 527 zones (31 x 17)
<b>Selectable Positions for AF Point</b>	AF area: Horizontal: Approx. 90% x Vertical: Approx. 100% Stills: Max. 4503 positions (79 x 57) Movies: Max 3713 positions (79 x 47)
<b>Focusing brightness range (still photo shooting)</b>	EV -4.0 to 20 (with an f/1.2 lens,* center AF point, One-Shot AF at room temperature, and ISO 100) * Except RF lenses with a Defocus Smoothing (DS) coating.

<b>Focusing brightness range (movie recording)</b>	EV -3.5 to 20 (with an f/1.2 lens,* center AF point, One-Shot AF at room temperature, ISO 100, and 29.97 / 25.00 fps.) * Except RF lenses with a Defocus Smoothing (DS) coating.
<b>Available AF Areas</b>	<ul style="list-style-type: none"> <li>• Spot AF</li> <li>• 1-point AF</li> <li>• Expand AF area: Above/below/left/right</li> <li>• Expand AF area: Around</li> <li>• Flexible Zone AF 1</li> <li>• Flexible Zone AF 2</li> <li>• Flexible Zone AF 3</li> <li>• Whole area AF</li> </ul>
<b>Available Subject Detection</b>	<ul style="list-style-type: none"> <li>• Auto</li> <li>• People</li> <li>• Animals (dogs / cats / birds)</li> <li>• Vehicles (motorsports cars or motorcycles)</li> </ul> <p>* Certain types of animals or vehicles may not be detected, depending on shape and appearance</p>
<b>Eye Detection</b>	<p><b>Auto:</b></p> <ul style="list-style-type: none"> <li>• Selects the eye closer to the camera (as detected from the angle of the face).</li> <li>• At the same distance from the camera, selects the eye closer to the center of the AF area.</li> </ul> <p><b>Left/right eye detection:</b> Not supported</p>
<b>Exposure Control</b>	
<b>Metering Modes</b>	<p>Real-time metering from CMOS image sensor (384 [24x16] metering zones)</p> <ol style="list-style-type: none"> <li>(1) Evaluative metering (AF point-linked)</li> <li>(2) Partial metering (approx. 5.8% of the area at the center of the screen)</li> <li>(3) Spot metering (approx. 2.9% of the area at the center of the screen)</li> <li>(4) Center-weighted average metering</li> </ol>
<b>Metering Range</b>	<p>Still Photo Shooting: EV -2 to 20 Movie Recording: EV 0 to 20</p>
<b>Exposure Modes</b>	<p>Still Photo Shooting:</p> <ol style="list-style-type: none"> <li>(1) Scene Intelligent Auto</li> <li>(2) Hybrid Auto</li> <li>(3) Special Scenes</li> <li>(4) Creative Filters</li> <li>(5) Flexible-priority AE</li> <li>(6) Program AE</li> <li>(7) Shutter-priority AE</li> <li>(8) Aperture-priority AE</li> <li>(9) Manual Exposure</li> <li>(10) Bulb Exposure</li> </ol> <p>Movie Recording:</p> <ol style="list-style-type: none"> <li>(1) Movie for close-up demos</li> <li>(2) Movie IS mode</li> <li>(3) HDR movies</li> <li>(4) Movie auto exposure</li> <li>(5) Movie manual exposure</li> <li>(6) Custom Shooting mode (C mode)</li> </ol>

<b>ISO Speed Range</b>	<b>Manually Set</b>																											
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<b>ISO Auto details for still photo shooting</b> <table border="1"> <thead> <tr> <th rowspan="2">Shooting mode</th> <th rowspan="2">No Flash</th> <th colspan="2">Using Flash</th> </tr> <tr> <th>Compatible Lens</th> <th>Incompatible Lens</th> </tr> </thead> <tbody> <tr> <td rowspan="2"><b>Creative Zone</b></td> <td><b>P / Tv / Av / M (other than bulb)</b></td> <td>ISO 100<sup>*1*</sup>–32000<sup>*2</sup></td> <td>ISO 100–6400<sup>*2</sup></td> <td>ISO 100<sup>*1*</sup>–1600<sup>*2</sup></td> </tr> <tr> <td><b>M (bulb)</b></td> <td>ISO 400<sup>*3</sup></td> <td colspan="2">ISO 400<sup>*3</sup></td> </tr> <tr> <td rowspan="3"><b>Basic Zone</b></td> <td><b>Scene Intelligent Auto / Hybrid Auto</b></td> <td>ISO 100–6400</td> <td>ISO 100–6400</td> <td>ISO 100–3200<sup>*4</sup></td> </tr> <tr> <td><b>Special Scene</b></td> <td colspan="3">Varies by shooting mode</td> </tr> <tr> <td><b>Creative Filters</b></td> <td colspan="3">Varies by shooting mode</td> </tr> </tbody> </table> <p><sup>*1</sup>: ISO 200 when set to [Highlight tone priority: Enable/Enhanced].  <sup>*2</sup>: Varies depending on the [Max for Auto] settings.  <sup>*3</sup>: If outside the setting range, changed to the value closest to ISO 400.  <sup>*4</sup>: When using the built-in flash. ISO 1600 when using an external flash unit.</p>	Shooting mode	No Flash	Using Flash		Compatible Lens	Incompatible Lens	<b>Creative Zone</b>	<b>P / Tv / Av / M (other than bulb)</b>	ISO 100 <sup>*1*</sup> –32000 <sup>*2</sup>	ISO 100–6400 <sup>*2</sup>	ISO 100 <sup>*1*</sup> –1600 <sup>*2</sup>	<b>M (bulb)</b>	ISO 400 <sup>*3</sup>	ISO 400 <sup>*3</sup>		<b>Basic Zone</b>	<b>Scene Intelligent Auto / Hybrid Auto</b>	ISO 100–6400	ISO 100–6400	ISO 100–3200 <sup>*4</sup>	<b>Special Scene</b>	Varies by shooting mode			<b>Creative Filters</b>	Varies by shooting mode		
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<b>AE Lock</b>	<p>(1) Automatic AE lock</p> <ul style="list-style-type: none"> <li>• In One-Shot AF mode, AE is locked as soon as subjects are in focus.</li> </ul> <p>(2) Manual AE lock</p> <ul style="list-style-type: none"> <li>• By using the AE Lock button in P, Tv, Av, and M mode.</li> </ul> <p>Toggling: Press again to cancel and once more to refresh.</p> <ul style="list-style-type: none"> <li>• Enabled in all metering modes.</li> </ul>																											
<b>Shutter</b>																												
<b>Type</b>	<p>Electronically controlled focal-plane shutter.  Rolling shutter, using the image sensor.</p> <p>(1) Electronic first curtain  (2) Electronic shutter</p> <p>* When set to [Electronic], the camera makes no mechanical shutter sound. (An electronic shutter sound can be configured in [Beep] and [Volume: Shutter volume]). Note that the camera may make sounds other than the shutter release sound, such as sounds for aperture adjustment or the lens focus drive, or beeps. Moreover, using long exposure noise reduction with shutter speeds of 1 sec. or longer involves a mechanical second-curtain shutter, which produces a mechanical sound.</p> <p>* Bands of light may be displayed and captured images may be affected by light and dark banding when shooting under fluorescent lighting or other flickering light sources with the camera set to [Anti-flicker shoot.: Disable].</p>																											
<b>Shutter Speeds</b>	<p>Electronic 1st-curtain shutter:  1/4000th sec – 30 seconds, in 1/3-step increments</p> <p>Electronic shutter:  1/8000th sec – 30 seconds, in 1/3-step increments</p>																											
<b>X-sync Speed</b>	Elec. 1st-curtain: 1/250 sec.																											
<b>Shutter Release</b>	Soft-touch electromagnetic release																											
<b>Self Timer</b>	10-sec. delay, 2-sec. delay, Continuous																											

Image Stabilization (IS mode)																															
<b>Still Photo IS</b>	In-body IS not provided. Still Photo IS not supported.																														
External Speedlite																															
<b>Accessory Shoe</b>	Canon Multi-function accessory shoe • Optional Canon AD-E1 adapter required for conventional shoe-mount flashes and accessories																														
<b>E-TTL balance</b>	Ambience priority, standard, flash priority																														
<b>Flash Exposure Compensation</b>	±3 stops (in 1/3-stop increments)																														
<b>Continuous flash control</b>	E-TTL each shot / E-TTL 1st shot																														
Drive System																															
<b>Drive Modes and Continuous Shooting Speed</b>	<table border="1"> <thead> <tr> <th>Drive Modes</th> <th>Operating Modes</th> <th>Electronic 1st curtain</th> <th>Electronic shutter</th> </tr> </thead> <tbody> <tr> <td colspan="2"><b>Single Shooting</b></td> <td>Yes</td> <td>Yes</td> </tr> <tr> <td><b>High-speed Continuous Shooting +</b></td> <td><b>One-Shot AF / Servo AF</b></td> <td>12 shots/sec.*1*2</td> <td>15 shots/sec.*2</td> </tr> <tr> <td><b>High-speed Continuous Shooting</b></td> <td><b>One-Shot AF / Servo AF</b></td> <td>7.6 shots/sec.*2</td> <td>15 shots/sec.*2</td> </tr> <tr> <td><b>Low-speed Continuous Shooting</b></td> <td><b>One-Shot AF / Servo AF</b></td> <td>3.0 shots/sec.</td> <td>5.0 shots/sec.</td> </tr> <tr> <td rowspan="3"><b>Self-timer</b></td> <td><b>10 sec.</b></td> <td>Yes</td> <td>Yes</td> </tr> <tr> <td><b>2 sec.</b></td> <td>Yes</td> <td>Yes</td> </tr> <tr> <td><b>Continuous shooting</b></td> <td>Yes</td> <td>Yes</td> </tr> </tbody> </table>	Drive Modes	Operating Modes	Electronic 1st curtain	Electronic shutter	<b>Single Shooting</b>		Yes	Yes	<b>High-speed Continuous Shooting +</b>	<b>One-Shot AF / Servo AF</b>	12 shots/sec.*1*2	15 shots/sec.*2	<b>High-speed Continuous Shooting</b>	<b>One-Shot AF / Servo AF</b>	7.6 shots/sec.*2	15 shots/sec.*2	<b>Low-speed Continuous Shooting</b>	<b>One-Shot AF / Servo AF</b>	3.0 shots/sec.	5.0 shots/sec.	<b>Self-timer</b>	<b>10 sec.</b>	Yes	Yes	<b>2 sec.</b>	Yes	Yes	<b>Continuous shooting</b>	Yes	Yes
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*1: AE, flash metering, and WB do not change after the first shot in flash photography.																															
*2: Slower maximum continuous shooting speed when set to Servo AF with lenses other than those in the lens list attached. For details on lenses that support the indicated continuous shooting speed, refer to the separate lens list.																															
* With electronic first-curtain, maximum continuous shooting speed is (or may be) reduced in flash photography or anti-flicker shooting.																															
* With certain lenses, zooming during continuous shooting with electronic shutter may cause changes in exposure even at the same f/number. Refer to the separate lens list for the applicable lenses. (Note that even with a zoom lens that is not listed in the list may result in exposure changes or flickering if sudden zooming is performed.)																															
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<b>HDR Shooting (HDR PQ)</b>	Disable / Enable * Can be used in conjunction with Auto Lighting Optimizer.																														
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<b>Continuous HDR Shooting (still images)</b>	1 shot only / Every shot																														



## Video Shooting

### File Format

#### Normal Movies

HDR PQ		OFF	ON
Container format		MP4	
Bit depth		8 bit	10 bit
Compression		H.264 / MPEG-4 AVC	H.265 / HEVC
Video signal recording range		Full range (0-255)	Full range (0-1023)
Color sampling method		YCbCr 4:2:0	YCbCr 4:2:2
Standards compliance		Rec. ITU-R BT.709	Rec. ITU-R BT.2100
Color gamut		Rec.709	Rec.2020
Audio	IPB (Standard)*	AAC	
	IPB (Light)	AAC	

### Estimated Recording time, Movie Bit Rate and File Size

#### HDR PQ: Off

Movie Recording Size			Total Recording Time (approx.)			Bit Rate / File Size (approx.)
Movie Recording	Frame Rate	Compression method	32 GB	128 GB	512 GB	
4K UHD	29.97 fps 25.00 fps 23.98 fps	IPB (Standard)	35 min.	2 hr. 21 min.	9 hr. 27 min.	120 Mbps 860 MB/min.
		IPB (Light)	1 hr. 10 min.	4 hr. 43 min.	18 hr. 52 min.	60 Mbps 431 MB/min.
Full UHD (High Frame Rate movie)	119.88 fps 100.00 fps	IPB (Standard)	35 min.	2 hr. 22 min.	9 hr. 28 min.	120 Mbps 858 MB/min.
		IPB (Light)	1 hr. 00 min.	4 hr. 3 min.	16 hr. 15 min.	70 Mbps 501 MB/min.
Full HD	59.94 fps 50.00 fps	IPB (Standard)	1 hr. 10 min.	4 hr. 43 min.	18 hr. 52 min.	60 Mbps 431 MB/min.
		IPB (Light)	2 hr. 0 min.	8 hr. 3 min.	32 hr. 15 min.	35 Mbps 252 MB/min.
	29.97 fps 25.00 fps 23.98 fps	IPB (Standard)	2 hr. 20 min.	9 hr. 23 min.	37 hr. 35 min.	30 Mbps 216 MB/min.
		IPB (Light)	5 hr. 47 min.	23 hr. 11 min.	92 hr. 47 min.	12 Mbps 88 MB/min.
Full HD (Time-lapse movie)	29.97 fps 25.00 fps	ALL-I	47 min.	3 hr. 9 min.	12 hr. 38 min.	90 Mbps 644 MB/min.

\* Bit rate only applies to video output, not audio or metadata.

\* Movie recording stops when the maximum recording time per movie is reached.

\* Sound is not recorded for approx. the last two frames when the compression method for movie recording quality is IPB (Standard) or IPB (Light). Moreover, the video and sound may be slightly out of sync when movies are played back in Windows.

**HDR PQ: ON**

Movie Recording Size			Total Recording Time (approx.)			Bit Rate / File Size (approx.)
Movie Recording	Frame Rate	Compression method	32 GB	128 GB	512 GB	
4K UHD	29.97 fps 25.00 fps 23.98 fps	IPB (Standard)	25 min.	1 hr. 40 min.	6 hr. 40 min.	170 Mbps 1218 MB/min.
		IPB (Light)	50 min.	3 hr. 20 min.	13 hr. 20 min.	85 Mbps 610 MB/min.
Full UHD (High Frame Rate movie)	119.88 fps 100.00 fps	IPB (Standard)	23 min.	1 hr. 34 min.	6 hr. 19 min.	180 Mbps 1287 MB/min
		IPB (Light)	42 min.	2 hr. 50 min.	11 hr. 22 min.	100 Mbps 715 MB/min
Full HD	59.94 fps 50.00 fps	IPB (Standard)	47 min.	3 hr. 9 min.	12 hr. 36 min.	90 Mbps 646 MB/min.
		IPB (Light)	1 hr. 24 min.	5 hr. 39 min.	22 hr. 38 min.	50 Mbps 360 MB/min.
	29.97 fps 25.00 fps 23.98 fps	IPB (Standard)	1 hr. 34 min.	6 hr. 17 min.	25 hr. 8 min.	45 Mbps 324 MB/min.
		IPB (Light)	2 hr. 30 min.	10 hr. 3 min.	40 hr. 15 min.	28 Mbps 202 MB/min.
Full HD (Time-lapse movie)	29.97 fps 25.00 fps	ALL-I	31 min.	2 hr. 6 min.	8 hr. 25 min.	135 Mbps 966 MB/min.

**Estimated Recording Time, Continued.**

\* Bit rate only applies to video output, not audio or metadata.

\* Movie recording stops when the maximum recording time per movie is reached.

\* Sound is not recorded for approx. the last two frames when the compression method for movie recording quality is IPB (Standard) or IPB (Light). Moreover, the video and sound may be slightly out of sync when movies are played back in Windows.

**Card Performance Requirements**

Movie Recording Size			SD Card	
Resolution	Frame rate (fps)	Compression Method	8 bits	10 bits (HDR PQ)
4K UHD	29.97 fps 25.00 fps 23.98 fps	IPB (Standard)	UHS Speed Class 3 or higher	
		IPB (Light)	SD Speed Class 10 or higher	UHS Speed Class 3 or higher
Full HD	119.88 fps 100.00 fps	IPB (Standard)	UHS Speed Class 3 or higher	
		IPB (Light)	SD Speed Class 10 or higher	UHS Speed Class 3 or higher
	59.94 fps 50.00 fps	IPB (Standard)	SD Speed Class 10 or higher	UHS Speed Class 3 or higher
		IPB (Light)	SD Speed Class 6 or higher	SD Speed Class 10 or higher
29.97 fps 25.00 fps 23.98 fps	IPB (Standard)	SD Speed Class 6 or higher		
	IPB (Light)	SD Speed Class 4 or higher		
Full HD (Time-lapse movie)	29.97 fps 25.00 fps	ALL-I	Read speed of 30 MB/s or higher	

**Video AF**

Dual Pixel CMOS AF; Movie Servo AF available in AF Menu

**Exposure Compensation**

±3 stops (in 1/3-stop increments)

**Time Code**

Yes (Count up, Start time setting, Movie recording count, Movie play count, HDMI time code on/off, HDMI rec. command on/off, Drop frame enable/disable)

<b>Movie Pre-recording</b>	Not supported																				
<b>Time-lapse Movie Setting</b>	<table border="1"> <thead> <tr> <th></th> <th>Interval*<sup>1</sup></th> <th>No. of shots</th> <th>Time required (max.)</th> </tr> </thead> <tbody> <tr> <td><b>Scene 1</b></td> <td>2–4 sec.</td> <td>30–900*<sup>2</sup></td> <td>Approx. 1 hr.</td> </tr> <tr> <td><b>Scene 2</b></td> <td>5–10 sec.</td> <td>30–720*<sup>2</sup></td> <td>Approx. 2 hr.</td> </tr> <tr> <td><b>Scene 3</b></td> <td>11–30 sec.</td> <td>30–240*<sup>2</sup></td> <td>Approx. 2 hr.</td> </tr> <tr> <td><b>Custom</b></td> <td>2 sec. to 60 min.</td> <td>2–3600*<sup>3</sup></td> <td>Approx. 150 days</td> </tr> </tbody> </table> <p>*1: Can be set in 1-sec. increments.  *2: Can be set in 30-shot increments.  *3: Can be set in 1-shot increments.</p>		Interval* <sup>1</sup>	No. of shots	Time required (max.)	<b>Scene 1</b>	2–4 sec.	30–900* <sup>2</sup>	Approx. 1 hr.	<b>Scene 2</b>	5–10 sec.	30–720* <sup>2</sup>	Approx. 2 hr.	<b>Scene 3</b>	11–30 sec.	30–240* <sup>2</sup>	Approx. 2 hr.	<b>Custom</b>	2 sec. to 60 min.	2–3600* <sup>3</sup>	Approx. 150 days
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<b>Custom</b>	2 sec. to 60 min.	2–3600* <sup>3</sup>	Approx. 150 days																		
<b>Time-lapse Playback Frame Rate</b>	29.97 (set to NTSC); 25.00fps (set to PAL)																				
<b>LCD Screen</b>																					
<b>Type</b>	TFT color, liquid-crystal monitor																				
<b>Monitor Size</b>	3.0-inch (screen aspect ratio of 3:2) 2.95 in./7.5cm diagonal (2.44 in./6.2cm width, 1.65 in./4.2cm height)																				
<b>Dots</b>	Approx. 1.62 million dots																				
<b>Coverage</b>	Approx. 100% vertically/horizontally																				
<b>Brightness Control</b>	Manually adjustable to one of seven brightness levels																				
<b>Touch-screen Operation</b>	Supported for AF Point selection; Touch AF; Touch Shutter; Menu selection; Quick Control Menu; Magnified View; Volume Touch Sounds: 0 (silent) to 5																				
<b>Coating</b>	Anti-smudge coating not provided. Anti-reflection coating not provided.																				
<b>Interface Languages</b>	29 (English, German, French, Dutch, Danish, Portuguese, Finnish, Italian, Ukrainian, Norwegian, Swedish, Spanish, Greek, Russian, Polish, Czech, Hungarian, Vietnamese, Hindi, Romanian, Turkish, Arabic, Thai, Simplified/Traditional Chinese, Korean, Malay, Indonesian, Japanese)																				

Playback																																
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<b>Highlight Alert</b>	Not supported																															
<b>Histogram</b>	Brightness / RGB																															
Quick Control Function																																
<b>Function</b>	The Quick Control screen can be accessed by pressing the Quick Control button during shooting, recording, or playback.																															
<b>Quick Control Screen</b>	<p>Users can customize setting items shown on the Quick Control screen.</p> <ul style="list-style-type: none"> <li>• Items shown: Up to 11</li> <li>• Edit layout / Reset settings / Clear all items</li> </ul> <p>* Separate Quick Control screens can be set up for use in still photo shooting and movie recording. (Users can select and rearrange the items shown.)</p> <p>* Customizable from the [Customize Quick Controls] menu item or by pressing and holding the button with the Quick Control screen displayed.</p>																															
Image Protection and Erase																																
<b>Protection</b>	<p>(1) Single image (select image)</p> <p>(2) Select range</p> <p>(3) All images in a folder</p> <p>(4) All images on card</p> <ul style="list-style-type: none"> <li>• Image browsing and image search can be based on ratings.</li> <li>• Ratings-based image selections also possible with DPP.</li> </ul> <p>(5) All found images (only during image search)</p>																															
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Direct Printing																																
<b>Compatible Printers</b>	Images can be sent via Wi-Fi to a PictBridge-compatible (wireless LAN) printer and printed.																															

<b>DPOF: Digital Print Order Format</b>																											
<b>DPOF</b>	Compliant to DPOF Version 1.1																										
<b>Wi-Fi®</b>																											
<b>Supporting Standards</b>	Equivalent to IEEE 802.11b/g/n Standards																										
<b>Transmission Method</b>	DS-SS modulation (IEEE 802.11b) OFDM modulation (IEEE 802.11g/n)																										
<b>Transition Frequency (Central Frequency)</b>	<b>2.4 GHz band</b> Frequency: 2412 to 2462 MHz Channels: 1 to 11 channels <b>5.0 GHz band</b> Not supported																										
<b>Connection Method</b>	(1) Camera access point mode (2) Infrastructure mode																										
<b>Security</b>	<table border="1"> <thead> <tr> <th rowspan="2">Connection Method</th> <th rowspan="2">Authentication</th> <th colspan="2">Encryption</th> </tr> <tr> <th>Encryption</th> <th>Key Format and Length</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Camera Access Point</td> <td>WPA2 / WPA3-Personal</td> <td>AES</td> <td>• ASCII 8 characters</td> </tr> <tr> <td>Open</td> <td colspan="2">Disable</td> </tr> <tr> <td rowspan="3">Infrastructure</td> <td rowspan="2">Open</td> <td>WEP</td> <td>• Hexadecimal 10 digits • Hexadecimal 26 digits • ASCII 5 characters • ASCII 13 characters</td> </tr> <tr> <td colspan="2">Disable</td> </tr> <tr> <td>Shared key</td> <td>WEP</td> <td>Same as WEP above</td> </tr> <tr> <td></td> <td>WPA / WPA2 / WPA3-Personal</td> <td>TKIP AES</td> <td>1–127 characters</td> </tr> </tbody> </table>	Connection Method	Authentication	Encryption		Encryption	Key Format and Length	Camera Access Point	WPA2 / WPA3-Personal	AES	• ASCII 8 characters	Open	Disable		Infrastructure	Open	WEP	• Hexadecimal 10 digits • Hexadecimal 26 digits • ASCII 5 characters • ASCII 13 characters	Disable		Shared key	WEP	Same as WEP above		WPA / WPA2 / WPA3-Personal	TKIP AES	1–127 characters
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<b>Communication with a Smartphone</b>	<ul style="list-style-type: none"> <li>• Images can be viewed, controlled, and received using a smartphone.</li> <li>• Remote control of the camera using a smartphone is possible depending on the Camera Connect specifications.</li> <li>• Images can be sent to a smartphone.</li> <li>• NFC connection: Not supported</li> <li>• Supported images: JPEG, HEIF, RAW/C-RAW, MP4 video files</li> <li>• Transcoding while sending: Size to send (original / reduced size); Quality to send (original / compressed)</li> </ul>																										
<b>Remote Operation Using EOS Utility</b>	The camera can be controlled via Wi-Fi® or USB, with Canon EOS Utility software installed in a compatible Mac or Windows computer.																										
<b>Print from Wi-Fi® Printers</b>	Supported																										
<b>Send Images to a Web Service</b>	image.canon: Video files (MP4) and JPEG, HEIF, RAW or C-RAW still images can be uploaded to image.canon servers. From image.canon, images can be sent to specific social media and 3rd-party cloud image services.																										
<b>Bluetooth®</b>																											
<b>Standards Compliance</b>	Bluetooth Specification Version 4.2 compliant (Bluetooth Low Energy technology)																										
<b>Transmission Method</b>	GFSK modulation																										
<b>Bluetooth Pairing</b>	Smartphone — up to 10 devices; BR-E1 remote controller — 1 unit																										

Customization					
<b>Available Functions</b>	Dial direction during Tv/Av; Control ring rotation direction; Customize buttons; Customize dials				
<b>Customize Buttons</b>	<p>Functions can be assigned to the following camera controls.</p> <ul style="list-style-type: none"> <li>• Shutter button (half-press)</li> <li>• Movie shooting button</li> <li>• ISO speed button</li> <li>• AE lock button</li> <li>• Cross keys: Up button</li> <li>• Cross keys: Left button</li> <li>• Cross keys: Right button</li> <li>• Cross keys: Down button</li> <li>• Lens function button</li> <li>• Speedlite menu direct button</li> </ul>				
<b>Customizable Dials</b>	Customize control ring supported.				
<b>My Menu Registration</b>	<ul style="list-style-type: none"> <li>• Up to six top-tier menu items and Custom Functions can be registered.</li> <li>• Up to five My Menu tabs can be added.</li> </ul> <table border="1" data-bbox="469 705 1258 997"> <tbody> <tr> <td>My Menu tab overall operations</td> <td> <ul style="list-style-type: none"> <li>• Adding a tab</li> <li>• Deleting tabs in a batch</li> <li>• Deleting all tab items</li> <li>• Setting the menu display</li> </ul> </td> </tr> <tr> <td>My Menu tab detailed operations</td> <td> <ul style="list-style-type: none"> <li>• Selecting a registered item</li> <li>• Sorting registered items</li> <li>• Deleting selected registered items</li> <li>• Deleting registered items in a batch</li> <li>• Deleting tabs</li> <li>• Rename tab (16 ASCII characters)</li> </ul> </td> </tr> </tbody> </table>	My Menu tab overall operations	<ul style="list-style-type: none"> <li>• Adding a tab</li> <li>• Deleting tabs in a batch</li> <li>• Deleting all tab items</li> <li>• Setting the menu display</li> </ul>	My Menu tab detailed operations	<ul style="list-style-type: none"> <li>• Selecting a registered item</li> <li>• Sorting registered items</li> <li>• Deleting selected registered items</li> <li>• Deleting registered items in a batch</li> <li>• Deleting tabs</li> <li>• Rename tab (16 ASCII characters)</li> </ul>
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Video Calls / Streaming					
<b>USB Video Class (UVC)</b>	<p>Available</p> <p>* The camera is accessible to software (such as Zoom™, MS Teams™, Skype™, etc.) on a computer once connected via USB.</p>				
Interface					
<b>USB Terminal</b>	<p>Equivalent to Hi-Speed USB (USB 2.0)</p> <ul style="list-style-type: none"> <li>• For PC communication / smartphone communication</li> <li>• Terminal type: USB Type-C</li> <li>• Shared with terminal for in-camera charging with USB Power Adapter PD-E1.</li> </ul>				
<b>HDMI Out Terminal</b>	<p>HDMI micro OUT terminal (Type D)</p> <ul style="list-style-type: none"> <li>* Resolution switches automatically</li> <li>* HDMI CEC not supported</li> <li>* Images not displayed unless [For NTSC] or [For PAL] is set correctly for the TV video system</li> </ul>				
<b>Clean HDMI Output</b>	Provided				
<b>Microphone terminal</b>	3.5mm diameter stereo mini jack				
<b>Headphone terminal</b>	Compatible with 3.5mm diameter stereo mini-plug				
Power Source					
<b>Battery</b>	<p>Canon LP-E17 battery pack</p> <ul style="list-style-type: none"> <li>• With the AC Adapter AC-E6N + DC Coupler DR-E18, AC power is possible (AC Adapter Kit ACK-E18 can also be used).</li> <li>• USB Power Adapter PD-E1 supports in-camera charging of Battery Pack LP-E17 when the camera is turned off and can supply power when the camera is turned on.</li> </ul>				

<b>Optional Battery Grip</b>	Not supported		
<b>Battery Check</b>	Automatic battery check with 4-level display when the power switch is turned ON.		
<b>Start-up Time</b>	Approx. 0.4 sec. • Based on CIPA testing standards.		
<b>Dimensions and Weight</b>			
<b>Dimensions (W x H x D)</b>	Approx. 4.58 x 3.37 x 2.71 in. / 116.3 x 85.5 x 68.8mm • Based on CIPA standards.		
<b>Weight</b>		<b>Exterior color</b>	<b>Weight</b>
	<b>Body (including battery and card)<sup>1</sup></b>	Black	Approx. 0.83 lbs.      Approx. 375 g
		White	Approx. 0.83 lbs.      Approx. 376 g
	<b>Body only</b>	Black	Approx. 0.72 lbs      Approx. 328 g
		White	Approx. 0.72 lbs      Approx. 329 g
<b>Operating Environment</b>			
<b>Working Temperature Range</b>	32–104°F / 0–40°C		
<b>Working Humidity Range</b>	85% or less		



# RF-S18-45mm F4.5-6.3 IS STM

## Specifications

Lens	
Focal Length	18-45mm
Maximum and Minimum Aperture	f/4.5 - f/32
Lens Mount Type	RF Mount
Compatible Cameras	Canon EOS R-series, APS-C and full-frame (automatic APS-C sensor cropping if used on full-frame EOS R-series cameras)
Minimum Focusing Distance	0.20 m (at 18 mm)
Maximum Magnification	0.16x (at 45 mm)
Field of View, at Minimum Focus Distance	Approx. 153 × 102 mm (at 18 mm) to approx. 137 × 92 mm (at 45 mm)
Angle of View (Diagonal)	Approx. 74° 20' - 33° 40'
Optical Design	
Lens Construction	7 elements in 7 groups
Special Elements	(Two) Aspherical elements
Lens Coating	Canon SSC (Super Spectra Coating)
Filter Size Diameter	ø49 mm
Aperture Blades	7
Image Stabilization	4 stops correction with In-lens Optical Image Stabilization (6 stops correction with EOS R5 in-body coordinated Image stabilization)
Focusing	
Focusing Drive System	Canon STM (Leadscrew type STM)
Full-time Manual Focusing	Yes (Supports both ONE SHOT AF and SERVO AF with compatible EOS R-series cameras)
Dual Pixel CMOS AF Coverage (Horizontal x Vertical)	<ul style="list-style-type: none"><li>• EOS R — Approx. 80% x 80%</li><li>• EOS R5 — Approx. 80% x 80%</li><li>• EOS R7/R10 — Approx. 100% x 100%</li></ul>
Exterior Design	
Control Ring	Dual-function Manual focus ring / Control Ring (selected using camera menu)
Manual Focus Ring	Electronic ring system <ul style="list-style-type: none"><li>• Full-time Manual focus possible</li><li>• No physical limit to ring rotational angle</li></ul>
AF/MF Switch	None — focus mode selected in camera menu
MF/Control Ring Switch	None — must be selected in camera menu
Distance Scale	None <ul style="list-style-type: none"><li>• Distance scale available in EVF or Live View LCD screen of compatible EOS R-series cameras</li></ul>



<b>Distance Limiter Switch</b>	None
<b>Dust / Weather Resistant Construction</b>	None
<b>Dimensions, Weight</b>	
<b>Maximum Outer Diameter x Length</b>	Approx. ø2.7 in. x 1.7 in. (ø68.9mm x 44.3mm)
<b>Weight</b>	Approx. 4.6 oz. / 0.3 lb. / 130g
<b>Accessories</b>	
<b>Lens hood</b>	Canon EW-53 <ul style="list-style-type: none"> <li>• Bayonet-mount, petal-shaped hood</li> <li>• Optional accessory, sold separately</li> </ul>
<b>Lens Cap</b>	(Front) Canon E-49 (center pinch-type) (Bundled)
<b>Dust Cap</b>	Canon Lens Dust Cap RF (Bundled)
<b>Lens Case</b>	Canon Lens Case LP814 <ul style="list-style-type: none"> <li>• Optional accessory, sold separately</li> </ul>
<b>Extension Tubes</b>	None (No Canon RF mount extension tubes)
<b>Close-up Lenses 250D / 500D</b>	None (No ø49mm size available)
<b>Canon RF Extender 1.4x/2x</b>	Not compatible
<b>Canon Gelatin Filter Holder III/IV</b>	Not compatible