

Specifications

| Type | | | | | | | | | | | | |
|--|---|------------------|---------------|---------------|----------|---------|-----------------------------|------------------|--------|-----------------------------|------------------|-------|
| Type | Digital, AF/AE single-lens reflex camera | | | | | | | | | | | |
| Recording Media | CF Card (Type I; compatible with UDMA 7 CF cards) and CFast™ Card (CFast 2.0™* supported) As of February 2016, compatibility has been verified for the following CFast™ memory cards: | | | | | | | | | | | |
| | <table border="1"> <thead> <tr> <th>Manufacturer</th> <th>Label</th> <th>Model Numbers</th> <th>Capacity</th> </tr> </thead> <tbody> <tr> <td rowspan="2">SanDisk</td> <td>Extreme PRO CFast 2.0™ Card</td> <td>SDCFSP-128G-G46B</td> <td>128 GB</td> </tr> <tr> <td>Extreme PRO CFast 2.0™ Card</td> <td>SDCFSP-064G-G46B</td> <td>64 GB</td> </tr> </tbody> </table> | Manufacturer | Label | Model Numbers | Capacity | SanDisk | Extreme PRO CFast 2.0™ Card | SDCFSP-128G-G46B | 128 GB | Extreme PRO CFast 2.0™ Card | SDCFSP-064G-G46B | 64 GB |
| | Manufacturer | Label | Model Numbers | Capacity | | | | | | | | |
| SanDisk | Extreme PRO CFast 2.0™ Card | SDCFSP-128G-G46B | 128 GB | | | | | | | | | |
| | Extreme PRO CFast 2.0™ Card | SDCFSP-064G-G46B | 64 GB | | | | | | | | | |
| Proper operation can not be guaranteed for all recording media. Long term usage may reduce a CFast™ card's write speed. We recommend users regularly fully format and refresh their card using the "Full Format and Refresh Tool." * Canon is an authorized licensee of the CFast 2.0™ trademark, which may be registered in various jurisdictions. | | | | | | | | | | | | |
| Image Format | Approx. 36mm x 24mm (35mm Full-frame) | | | | | | | | | | | |
| Compatible Lenses | Canon EF Lenses (excluding EF-S and EF-M lenses) | | | | | | | | | | | |
| Lens Mount | Canon EF Mount | | | | | | | | | | | |
| Image Sensor | | | | | | | | | | | | |
| Type | High-sensitivity, high-resolution, large single-plate full-frame CMOS sensor | | | | | | | | | | | |
| Effective Pixels | Approx. 20.2 megapixels | | | | | | | | | | | |
| Total Pixels | Approx. 21.5 megapixels | | | | | | | | | | | |
| Aspect Ratio | 3:2 (Horizontal: Vertical) | | | | | | | | | | | |
| Color Filter System | RGB primary color filters | | | | | | | | | | | |
| Low Pass Filter | Fixed position in front of the image sensor | | | | | | | | | | | |
| Dust Removal Feature | (1) Self Cleaning Sensor Unit <ul style="list-style-type: none"> • Self-cleaning can be done automatically when the power is turned on/off. • During manual cleaning ([Clean now]), the data for light spot correction is also obtained. (2) Dust Delete Data acquisition and appending <ul style="list-style-type: none"> • The coordinates of the dust adhering to the low-pass filter are detected by a test shot and appended to subsequent images. • The dust coordinate data appended to the image is used by the EOS software to automatically erase the dust spots. (3) Manual cleaning | | | | | | | | | | | |
| Recording System | | | | | | | | | | | | |
| Recording Format | Design Rule for Camera File System 2.0 and EXIF 2.3 | | | | | | | | | | | |
| Image Format | (1) Still Image: JPEG, RAW (14 bit Canon Original), M-RAW, S-RAW, RAW+JPEG, M-RAW+JPEG, S-RAW+JPEG (2) Video: MOV (4K Movie: Motion JPEG, Full HD Movie: MPEG4 AVC/H.264*; Audio: Linear PCM), MP4 (Movie: MPEG4 AVC/H.264*; Audio: AAC) * Variable (averaged) bit rate | | | | | | | | | | | |

| | |
|---|---|
| File Size | <p>(1) Large: Approx. 20.0 Megapixels (5472 x 3648) (2) M1: Approx. 12.7 Megapixels (4368 x 2912) (3) M2: Approx. 8.9 Megapixels (3648 x 2432) (4) Small: Approx. 5.0 Megapixels (2736 x 1824) (5) RAW: Approx. 20.0 Megapixels (5472 x 3648) (6) M-RAW: Approx. 11.2 Megapixels (4104 x 2736) (7) S-RAW: Approx. 5.0 Megapixels (2736 x 1824) Exact file sizes depend on the subject, ISO speed, Picture Style, etc.</p> |
| Recording Functions | <p>(1) Standard • Recorded to the selected card. (2) Auto switch card • When the current card becomes full, the camera switches to the other card automatically. (3) Record separately • The CF card and CFast™ card record the same image at a different image recording quality (L, M1, M2, S, RAW, M-RAW, S-RAW). (4) Record to multiple • Both the CF card and CFast™ card record the same image at the same image recording quality (Also applies to RAW+JPEG).</p> |
| Backup Recording | N/A |
| File Numbering | <p>The following three types of file numbers can be set: (1) Continuous numbering • The numbering of captured images continues even after you replace the card. (2) Auto reset • When you replace the card, the numbering will be reset to start from 0001. If the new card already contains images, the numbering will continue from the last recorded image in the card. (3) Manual reset • Resets the file number to 0001, and creates a new folder automatically.</p> |
| RAW + JPEG Simultaneous Recording | One of three types of RAW images and one of four types of JPEG images can be recorded together. |
| Color Space | sRGB, Adobe RGB |
| Picture Style | Auto, Standard, Portrait, Landscape, Fine Detail, Neutral, Faithful, Monochrome, User Defined 1-3* <small>*[Standard] is the default setting for [User Def. 1-3]</small> |
| White Balance | |
| Settings | <p>Auto (Ambience priority/White priority), Daylight, Shade, Cloudy^{*1}, Tungsten Light, White Fluorescent Light, Flash, Custom (Custom WB) 1-5^{*2}, Color Temperature, PC-1-5^{*3} (Personal WB)</p> <p><small>*1 Also effective in twilight and sunset. *2 [Select image on card], [Record and register WB] and [Edit WB name] can be used. *3 Up to five white balance data settings set with EOS Utility.</small></p> |
| Auto White Balance | Option between ambience priority and white priority settings |
| Color Temperature Compensation | <p>Blue/amber bias: ±9 levels Magenta/green bias: ±9 levels Corrected in reference to the current WB mode's color temperature.</p> |
| Color Temperature Information Transmission | Provided |
| Viewfinder | |
| Type | Eye-level pentaprism |
| Coverage | Approx. 100% vertically and horizontally |
| Magnification | Approx. 0.76x (-1m ⁻¹ with 50mm lens at infinity) / 35.1° angle of view |
| Eye Point | Approx. 20mm (at -1m ⁻¹ from eyepiece lens center) |

| Dioptric Adjustment Correction | -3.0 to +1.0 m ⁻¹ (diopter) | | | | | | | | | | | | |
|--|---|--|---------------------|--|---|-------------------------------------|----|-------------------------------|----|--|----|-----------------|---------------------------------|
| Focusing Screen | Ec-C6 provided, can be changed to Ec-A, B or L | | | | | | | | | | | | |
| Mirror | Quick-return half mirror | | | | | | | | | | | | |
| Viewfinder Information | <ul style="list-style-type: none"> • AF area selection mode • AF point information • Area AF frame • Spot metering circle • Electronic level (dedicated indicator)* • Grid* • Shooting mode* • Metering mode* • White balance* • Drive mode* • AF operation* • Flicker detection* • Warning symbol • AF status indicator <p>* Asterisked items can be displayed or not with [Show/hide in viewfinder].</p> | | | | | | | | | | | | |
| Depth Of Field Preview | Provided | | | | | | | | | | | | |
| Autofocus | | | | | | | | | | | | | |
| Type | TTL secondary image-forming phase-difference detection system with AF-dedicated CMOS sensor | | | | | | | | | | | | |
| AF Points (Optical AF) | <p>Max. 61 points (Cross-type AF points: Max. 41 points)</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr style="background-color: #cccccc;"> <th style="padding: 5px;">61-point High Density Reticular AF II (AF Points and AF Patterns)</th> <th style="padding: 5px;">Movie Shooting Time</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">Dual Cross-type AF Points at f/2.8 and f/5.6</td> <td style="padding: 5px;">5</td> </tr> <tr> <td style="padding: 5px;">Cross-type AF Points at f/4.0+f/5.6</td> <td style="padding: 5px;">20</td> </tr> <tr> <td style="padding: 5px;">Cross-type AF Points at f/5.6</td> <td style="padding: 5px;">21</td> </tr> <tr> <td style="padding: 5px;">Horizontal-line Sensitive AF Points at f/5.6</td> <td style="padding: 5px;">20</td> </tr> <tr> <td style="padding: 5px;">Focusing at f/8</td> <td style="padding: 5px;">61 (Cross-type AF Point: 21)</td> </tr> </tbody> </table> <p>The number of AF points, cross-type AF points and dual cross-type AF points vary depending on the lens used.</p> | 61-point High Density Reticular AF II (AF Points and AF Patterns) | Movie Shooting Time | 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 | Focusing at f/8 | 61 (Cross-type AF Point: 21) |
| 61-point High Density Reticular AF II (AF Points and AF Patterns) | Movie Shooting Time | | | | | | | | | | | | |
| 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 | | | | | | | | | | | | |
| Focusing at f/8 | 61 (Cross-type AF Point: 21) | | | | | | | | | | | | |
| Focusing Mode | <p>(1) Autofocus</p> <ol style="list-style-type: none"> 1. One-Shot AF 2. Predictive AI Servo AF (AI Servo AF III+) <p>(2) Manual focus</p> | | | | | | | | | | | | |
| AF Point Selection | <ol style="list-style-type: none"> (1) Single-point Spot AF (Manual selection) (2) Single-point AF (Manual selection) <ul style="list-style-type: none"> • The checkmark cannot be removed from this option. (3) AF point expansion (Manual selection, 4 points: Up, down, left and right) (4) AF point expansion (Manual selection, surrounding 8 points) (5) Zone AF (Manual zone selection) <ul style="list-style-type: none"> • All AF points divided into nine focusing zones. (6) Large Zone AF (Manual zone selection) <ul style="list-style-type: none"> • All AF points divided into three focusing zones. (7) AF point Auto selection AF | | | | | | | | | | | | |
| AF Function Registration/Switching | Customizable with Custom Controls | | | | | | | | | | | | |
| Selected AF Point Display | Superimposed display | | | | | | | | | | | | |

| Active AF Point Indicator | (1) Displayed in viewfinder area (2) Displayed outside viewfinder area | | | | | | | | | | | | | | |
|----------------------------------|---|-------------------------------------|--|----------------------------------|---|---------------|--------------|--|----------|------------|--------------|-----------------------------|-------------------------------------|----------------------|-----------------------------|
| AF Assist Beam | When an external EOS-dedicated Speedlite is attached to the camera, the following options are available: (1) Enable (2) Disable (3) Enable external flash only | | | | | | | | | | | | | | |
| Exposure Control | | | | | | | | | | | | | | | |
| Metering Modes | 216-zone (18 x 12) metering with approx. 360,000-pixel RGB+IR metering sensor. The following metering modes selectable: (1) Evaluative metering (linked to all AF points) (2) Partial metering (center, approx. 6.2% of viewfinder) (3) Spot metering (center, approx. 1.5% of viewfinder) <ol style="list-style-type: none"> 1. Center spot metering 2. AF point-linked spot metering (Custom Function) <ul style="list-style-type: none"> • Linkable to all AF points. • With automatic AF point selection, center spot metering will apply. 3. Multi-spot metering <ul style="list-style-type: none"> • Up to eight multi-spot meter readings can be taken. (4) Center-weighted average metering <ul style="list-style-type: none"> • The selectable metering modes can be restricted (Custom Function). | | | | | | | | | | | | | | |
| Metering Range | EV 0–20 (at 73°F/23°C, ISO 100, with evaluative metering) | | | | | | | | | | | | | | |
| Exposure Control Systems | (1) Program AE (Shiftable) (2) Shutter-priority AE (Safety shift possible) (3) Aperture-priority AE (Safety shift possible) (4) Manual exposure <ul style="list-style-type: none"> • The metering mode can be specified. (5) Bulb (6) Three custom shooting modes | | | | | | | | | | | | | | |
| ISO Speed Range | Manual setting <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Normal ISO Speeds</td> <td style="text-align: center;">ISO 100–51200 (in 1/3-stop increments)</td> </tr> <tr> <td style="text-align: center;">Expanded ISO Speeds (Equivalent)</td> <td style="text-align: center;">L: 50, H1: 102400, H2: 204800, H3: 409600</td> </tr> </table> <p>For [Highlight tone priority], the settable ISO speed range will be ISO 200–51200. ISO speed safety shift possible with a Custom Function. All the expanded ISO speeds, even for movies, are only “equivalent speeds.”</p> Auto setting <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2" style="text-align: center;">Shooting Mode</th> <th colspan="2" style="text-align: center;">ISO Settings</th> </tr> <tr> <th style="text-align: center;">No Flash</th> <th style="text-align: center;">With Flash</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">P, Tv, Av, M</td> <td style="text-align: center;">ISO 100–51200^{*1}</td> <td rowspan="2" style="text-align: center;">ISO 400 fixed^{*1, *2, *3}</td> </tr> <tr> <td style="text-align: center;">During Bulb shooting</td> <td style="text-align: center;">ISO 400 fixed^{*1}</td> </tr> </tbody> </table> <p>^{*1} It depends on [Minimum] and [Maximum] of [Auto range]. ^{*2} If overexposure will result with fill flash, the minimum ISO speed will be set to ISO 100 (except in the M and bulb modes). ^{*3} In the P mode, using bounce flash with an external Speedlite will have the ISO speed set automatically within ISO 400–1600 to suit the brightness.</p> | Normal ISO Speeds | ISO 100–51200 (in 1/3-stop increments) | Expanded ISO Speeds (Equivalent) | L: 50, H1: 102400, H2: 204800, H3: 409600 | Shooting Mode | ISO Settings | | No Flash | With Flash | P, Tv, Av, M | ISO 100–51200 ^{*1} | ISO 400 fixed ^{*1, *2, *3} | During Bulb shooting | ISO 400 fixed ^{*1} |
| Normal ISO Speeds | ISO 100–51200 (in 1/3-stop increments) | | | | | | | | | | | | | | |
| Expanded ISO Speeds (Equivalent) | L: 50, H1: 102400, H2: 204800, H3: 409600 | | | | | | | | | | | | | | |
| Shooting Mode | ISO Settings | | | | | | | | | | | | | | |
| | No Flash | With Flash | | | | | | | | | | | | | |
| P, Tv, Av, M | ISO 100–51200 ^{*1} | ISO 400 fixed ^{*1, *2, *3} | | | | | | | | | | | | | |
| During Bulb shooting | ISO 400 fixed ^{*1} | | | | | | | | | | | | | | |
| Exposure Compensation | Manual: ±5 stops in 1/3- or 1/2-stop increments AEB: ±3 stops in 1/3- or 1/2-stop increments * Indicated up to ±3 stops on the LCD panel and in the viewfinder. | | | | | | | | | | | | | | |
| AE Lock | (1) Auto AE lock <ul style="list-style-type: none"> • In the One-Shot AF mode with evaluative metering, AE lock takes effect when focus is achieved. (2) Manual AE lock <ul style="list-style-type: none"> • With AE lock button in P, Av, Tv and M modes. (AE lock is updated each time you press the button.) • Enabled in all metering modes. | | | | | | | | | | | | | | |

| Shutter | |
|-------------------------------|---|
| Type | Vertical-travel, mechanical, focal-plane shutter with all speeds electronically-controlled |
| Shutter Speeds | 1/8000 to 30 sec., bulb (Total shutter speed range. Available range varies by shooting mode.) X-sync at 1/250 sec. • Shutter speed's control range can be set. |
| Shutter Release | Soft-touch electromagnetic release |
| Self Timer | 10-sec. delay, 2-sec. delay |
| External Speedlite | |
| EOS Dedicated Speedlite | E-TTL II autoflash with all EX Series Speedlites |
| Zooming to Match Focal Length | Provided |
| Flash Exposure Compensation | ±3 stops in 1/3- or 1/2-stop increments |
| FE Lock | Provided |
| External Flash Settings | <p>(1) External flash control</p> <ul style="list-style-type: none"> • Flash firing • E-TTL II Flash metering • Flash sync. Speed in Av mode • Flash mode • Radio wireless flash shooting • Optical wireless flash shooting • Zoom • Sync setting • Flash exposure compensation • FEB • Clear settings <p>(2) Flash Custom Function setting</p> |
| PC Terminal | <p>Provided</p> <p>*No polarity.</p> <p>*Sync speed: Since the flash duration of studio flash units vary, set a sync speed within 1/125 sec. to 1/30 sec. and check if the flash sync works.</p> <p>*Both the accessory shoe (X-sync contact with maximum sync speed of 1/250 sec.) and the PC terminal can be used simultaneously for simultaneous flash firing.</p> |
| Drive System | |
| Drive Mode | <p>(1) Single shooting</p> <p>(2) High-speed continuous shooting</p> <p>(3) Low-speed continuous shooting</p> <p>(4) Silent single shooting</p> <p>(5) Silent high-speed continuous shooting</p> <p>(6) Silent low-speed continuous shooting</p> |
| Continuous Shooting Speed* | <p>(1) Viewfinder shooting</p> <ul style="list-style-type: none"> • High-speed: Maximum 14 shots/sec. • Low-speed: Maximum 13 shots/sec. • Silent high-speed: Maximum 5 shots/sec. • Silent low-speed: Maximum 4 shots/sec. <p>(2) Live View shooting</p> <ul style="list-style-type: none"> • High-speed: Maximum 16 shots/sec. • Low-speed: Maximum 13 shots/sec. • Silent high-speed: Maximum 5 shots/sec. • Silent low-speed: Maximum 4 shots/sec. <p>* Continuous shooting speed may vary depending on the shutter speed, the aperture, the lens being used, the battery charge and various camera settings.</p> |

| Maximum Burst | The maximum burst during continuous shooting is as follows: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|----------------------|----------------|--------------|----------------|---------------|------------------|----------------------|--|----------|--|--------------|----------------|--------------|----------------|---------|-------------------------------|-----|---|-----|---|----|---------------------------|---|-----|-----|---|----|----------------------------|-----|---|---|-----|---|-----------------------|---|-----|---|-----|
| | Image Recording Quality | CF Card | | CFast Card™ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Standard | UDMA7 | CFast 2.0™* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | L | 140 | Full | Full | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RAW | 59 | 73 | 170 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RAW+L | 48 | 54 | 81 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| With "Full", continuous shooting is possible until the card becomes full. * Canon is an authorized licensee of the CFast 2.0™ trademark, which may be registered in various jurisdictions. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Live View Functions | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Shooting Modes | Still photo and video recording | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Focusing | (1) Dual Pixel CMOS AF <ul style="list-style-type: none"> Dual Pixel CMOS AF is possible with all EF lenses. (2) Manual focus <ul style="list-style-type: none"> Magnify the image by 5x or 10x and focus manually. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Metering Modes | (1) Evaluative metering (linked to all AF points) (2) Partial metering (approx. 6.5% of viewfinder) (3) Spot metering (approx. 2.8% of viewfinder) (4) Center-weighted average metering AE lock possible. The active metering timer can be changed. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Metering Range | EV 0–20 (at 73°F/23°C, ISO 100, with evaluative metering) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Grid Display | (1) Off (2) 3x3 (3) 6x4 (4) 3x3+diag | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Exposure Simulation | Same as with viewfinder shooting | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Silent Shooting | Provided | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Video Shooting | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| File Format | MOV (4K Movie: Motion JPEG, Full HD Movie: MPEG4 AVC/H.264; Audio: Linear PCM), MP4 (Movie: MPEG4 AVC/H.264; Audio: AAC) Internal monaural microphone External stereo microphone jack available | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Recording Sizes | 4096 x 2160 (4K) 1920 x 1080 (Full HD) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Frame Rates | [4096 x 2160]: 59.94fps / 50.00fps / 29.97 fps / 25.00fps / 24.00fps / 23.98fps [1920 x 1080]: 119.9fps / 100.0fps / 59.94fps / 50.00fps / 29.97fps / 25.00fps / 24.00fps / 23.98fps | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Focusing | (1) Dual Pixel CMOS AF (2) Manual focus * Magnify the image by 5x or 10x and focus manually (not possible during movie shooting). | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Exposure Control | <table border="1"> <thead> <tr> <th rowspan="2">Shooting Mode</th> <th rowspan="2">Exposure Control</th> <th colspan="2">Shutter Speed (sec.)</th> <th colspan="2">Aperture</th> </tr> <tr> <th>Auto Setting</th> <th>Manual Setting</th> <th>Auto Setting</th> <th>Manual Setting</th> </tr> </thead> <tbody> <tr> <td>P, bulb</td> <td>Program AE for movie shooting</td> <td>Yes</td> <td>–</td> <td>Yes</td> <td>–</td> </tr> <tr> <td>Tv</td> <td>Movie shutter-priority AE</td> <td>–</td> <td>Yes</td> <td>Yes</td> <td>–</td> </tr> <tr> <td>Av</td> <td>Movie aperture-priority AE</td> <td>Yes</td> <td>–</td> <td>–</td> <td>Yes</td> </tr> <tr> <td>M</td> <td>Movie manual exposure</td> <td>–</td> <td>Yes</td> <td>–</td> <td>Yes</td> </tr> </tbody> </table> | | | | | Shooting Mode | Exposure Control | Shutter Speed (sec.) | | Aperture | | Auto Setting | Manual Setting | Auto Setting | Manual Setting | P, bulb | Program AE for movie shooting | Yes | – | Yes | – | Tv | Movie shutter-priority AE | – | Yes | Yes | – | Av | Movie aperture-priority AE | Yes | – | – | Yes | M | Movie manual exposure | – | Yes | – | Yes |
| Shooting Mode | Exposure Control | Shutter Speed (sec.) | | Aperture | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Auto Setting | Manual Setting | Auto Setting | Manual Setting | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| P, bulb | Program AE for movie shooting | Yes | – | Yes | – | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tv | Movie shutter-priority AE | – | Yes | Yes | – | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Av | Movie aperture-priority AE | Yes | – | – | Yes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M | Movie manual exposure | – | Yes | – | Yes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Exposure Compensation | Up to ±3 stops in 1/3- or 1/2-stop increments * If AE Microadjustment is performed, the settable exposure compensation amount will decrease by the amount of the AE Microadjustment. For example, if you set the AE Microadjustment to +1 stop, the exposure compensation amount will be limited to a maximum +2 stops on the positive side. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Continuous Shooting Time

MOV Format

| Movie-recording Size | | | Total Recording Time (Approx.) | | | Movie Bit Rate / File Size (Approx.) |
|--------------------------|---|-------------|--------------------------------|--------------|---------------|--------------------------------------|
| | | | 4GB | 16GB | 64GB | |
| 4K (4096 x 2160) | 59.94 fps, 50.00 fps | Motion JPEG | 39 sec. | 2 min. | 10 min. | 800 Mbps 5733 MB/min. |
| | 29.97 fps, 25.00 fps, 24.00 fps, 23.98 fps | Motion JPEG | 1 min. | 4 min. | 17 min. | 500 Mbps 3587 MB/min. |
| Full HD (1920 x 1080) | 119.9 fps, 100.0 fps | ALL-I | 1 min. | 5 min. | 23 min. | 360 Mbps 2585 MB/min. |
| | 59.94 fps, 50.00 fps | ALL-I | 2 min. | 11 min. | 47 min. | 180 Mbps 1298 MB/min. |
| | | IPB | 8 min. | 34 min. | 2 hr. 18 min. | 60 Mbps 440 MB/min. |
| | 29.97 fps, 25.00 fps, 24.00 fps, 23.98 fps | ALL-I | 5 min. | 23 min. | 1 hr. 33 min. | 90 Mbps 654 MB/min. |
| | | IPB | 16 min. | 1 hr. 7 min. | 4 hr. 30 min. | 30 Mbps 225 MB/min. |

MP4 Format

| Movie-recording Size | | | Total Recording Time (Approx.) | | | Movie Bit Rate / File Size (Approx.) |
|--------------------------|---|----------------|--------------------------------|---------------|----------------|--------------------------------------|
| | | | 64GB | 128GB | 256GB | |
| Full HD (1920 x 1080) | 59.94 fps, 50.00 fps | IPB | 8 min. | 35 min. | 2 hr. 21 min. | 60 Mbps 431 MB/min. |
| | 29.97 fps, 25.00 fps, 24.00 fps, 23.98 fps | IPB | 17 min. | 1 hr. 10 min. | 4 hr. 41 min. | 30 Mbps 216 MB/min. |
| | 29.97 fps, 25.00 fps | IPB (Light) | 43 min. | 2 hr. 53 min. | 11 hr. 35 min. | 12 Mbps 87 MB/min. |

| LCD Monitor | |
|----------------------------|--|
| Type | TFT color, liquid-crystal monitor |
| Monitor Size | 3.2-inches |
| Pixels | Approx. 1.62 million dots |
| Coverage | Approx. 100% vertically and horizontally Viewing angle: Approx. 170° vertically and horizontally |
| Brightness Control | 7 levels provided |
| Interface Languages | 25 (English, German, French, Dutch, Danish, Portuguese, Finnish, Italian, Norwegian, Swedish, Spanish, Greek, Russian, Polish, Czech, Hungarian, Romanian, Ukraine, Turkish, Arabic, Thai, Simplified/Traditional Chinese, Korean, Japanese) |

| Playback Functions | | | | | |
|---|---|--|--|---------------|---|
| Display Format | <table border="1"> <tr> <td>Single Image Display</td> <td> <ul style="list-style-type: none"> • No information display • Basic information display • Detailed shooting information display <ul style="list-style-type: none"> o Basic shooting information o Lens information and RGB histogram o White balance o Picture Style o Color space and noise reduction o Lens optical correction o GPS* information </td> </tr> <tr> <td>Index Display</td> <td> <ul style="list-style-type: none"> • 4-image index • 9-image index • 36-image index • 100-image index </td> </tr> </table> | Single Image Display | <ul style="list-style-type: none"> • No information display • Basic information display • Detailed shooting information display <ul style="list-style-type: none"> o Basic shooting information o Lens information and RGB histogram o White balance o Picture Style o Color space and noise reduction o Lens optical correction o GPS* information | Index Display | <ul style="list-style-type: none"> • 4-image index • 9-image index • 36-image index • 100-image index |
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| Index Display | <ul style="list-style-type: none"> • 4-image index • 9-image index • 36-image index • 100-image index | | | | |
| <p>* 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.</p> | | | | | |
| Highlight Alert | On the single-image display, highlight areas without any image information will blink. | | | | |
| Image Protection and Erase | | | | | |
| Protection | Erase protection can be applied or canceled for a single image, all images in a folder or all images in the card. | | | | |
| Erase | Erase a single image, selected images, all images in a folder, all images in a card or erase only unprotected images. | | | | |
| Direct Printing | | | | | |
| Compatible Printers | N/A (Direct printing not possible) | | | | |
| DPOF: Digital Print Order Format | | | | | |
| DPOF | Version 1.1 compatible | | | | |
| Direct Image Transfer | | | | | |
| Compatible Images | JPEG images, RAW images and movies RAW+JPEG images can be transferred JPEG only, RAW only or RAW+JPEG. If JPEG or RAW images are appended with a voice memo, the voice memo file will also be transferred. | | | | |
| Customization | | | | | |
| Custom Functions | Total 34 | | | | |
| Camera User Settings | Current camera settings can be registered to C1, C2 and C3 on the Mode Dial. Automatic updating of the registered settings can be set to Enable or Diabile. | | | | |
| My Menu Registration | Up to six top-tier menu options and Custom Function settings can be registered. Up to five My Menu tabs can be added. | | | | |
| Interface | | | | | |
| USB Terminal | SuperSpeed USB (USB 3.0) <ul style="list-style-type: none"> • For computer communication • Image transfer • For Connect Station CS100 connection | | | | |
| Video Out Terminal | AV/OUT terminal not provided. HDMI mini OUT terminal is Type C (Resolution switches automatically) / CEC compatible. <ul style="list-style-type: none"> • The correct video format of [NTSC] or [PAL], matching the connected TV, must be set or the video image will not appear. | | | | |
| Extension System Terminal | For connection to WFT-E8A and WFT-E6A | | | | |

| Power Source | | | | | | | | | | | | | | | | |
|----------------------------------|--|-----------------|----------------|-------------|----------------|---------------------|---------------------|--------------|------|-------------|------|--------------------|--------------|-----|-------------|-----|
| Battery | Battery Pack LP-E19 (or LP-E4N, LP-E4) x1 • With the AC Adapter + DC Coupler, AC power of possible. | | | | | | | | | | | | | | | |
| Number of Shots | <p>Approx. (Based on CIPA testing standards)</p> <table border="1"> <thead> <tr> <th>Shooting Method</th> <th>Battery</th> <th>Temperature</th> <th>Possible Shots</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Viewfinder shooting</td> <td rowspan="4">Battery Pack LP-E19</td> <td>At 73°F/23°C</td> <td>1210</td> </tr> <tr> <td>At 32°F/0°C</td> <td>1020</td> </tr> <tr> <td rowspan="2">Live View shooting</td> <td>At 73°F/23°C</td> <td>260</td> </tr> <tr> <td>At 32°F/0°C</td> <td>240</td> </tr> </tbody> </table> | Shooting Method | Battery | Temperature | Possible Shots | Viewfinder shooting | Battery Pack LP-E19 | At 73°F/23°C | 1210 | At 32°F/0°C | 1020 | Live View shooting | At 73°F/23°C | 260 | At 32°F/0°C | 240 |
| Shooting Method | Battery | Temperature | Possible Shots | | | | | | | | | | | | | |
| Viewfinder shooting | Battery Pack LP-E19 | At 73°F/23°C | 1210 | | | | | | | | | | | | | |
| | | At 32°F/0°C | 1020 | | | | | | | | | | | | | |
| Live View shooting | | At 73°F/23°C | 260 | | | | | | | | | | | | | |
| | | At 32°F/0°C | 240 | | | | | | | | | | | | | |
| Battery Check | Automatic battery check when the power switch is turned ON. | | | | | | | | | | | | | | | |
| Power Saving | Power turns off after the set time (1, 2, 4, 8, 15 or 30 min.) of non-operation elapses. | | | | | | | | | | | | | | | |
| Date/Time Battery | <p>Built-in secondary battery</p> <p>When fully charged, the date/time can be maintained for approx. one month.</p> <ul style="list-style-type: none"> • Recharge time: approx. 8 hr. <ul style="list-style-type: none"> o To become capable to maintain the right date/time for one month after main battery power exhaustion. | | | | | | | | | | | | | | | |
| Start-up Time | <p>Approx. 0.1 sec. (Based on CIPA testing standards)</p> <p>* Excluding the recognition time for genuineness (genuine Canon battery) at the installation of the battery.</p> <p>* Start-up time becomes longer with a battery being used for the first time with the very camera.</p> | | | | | | | | | | | | | | | |
| Dimensions and Weight | | | | | | | | | | | | | | | | |
| Dimensions (W x H x D) | Approx. 6.22 x 6.60 x 3.25 in. / 158.0 x 167.6 x 82.6mm | | | | | | | | | | | | | | | |
| Weight | <p>Approx. 53.97 oz. / 1530g (Based on CIPA guidelines)</p> <p>Approx. 47.27 oz. / 1340g (Body only, without battery, cards, body cap or eyecup)</p> | | | | | | | | | | | | | | | |
| Operating Environment | | | | | | | | | | | | | | | | |
| Working Temperature Range | 32-113°F/0-45°C | | | | | | | | | | | | | | | |
| Working Humidity Range | 85% or less | | | | | | | | | | | | | | | |