

| Type | |
|------------------------------|--|
| Type | Digital interchangeable lens, mirrorless camera |
| Image Processor | DIGIC 8 |
| Recording Media | (One) SD card slot <ul style="list-style-type: none"> • Compatible with UHS-I • Eye-Fi cards and Multimedia cards (MMC) are not supported. |
| Lens Mount | Canon RF mount |
| Compatible Lenses | Canon RF lens group (including RF-S lenses) <ul style="list-style-type: none"> * When using Mount Adapter EF-EOS R: Canon EF or EF-S lenses (excluding EF-M lenses) * Note that control ring of the Control Ring Mount Adaptor EF-EOS R does not function. * EXTENDER RF1.4x / RF2x is not compatible. (EXTENDER EF1.4x / EF2x is compatible when used with the Mount Adaptor.) * RF5.2mm F2.8 L DUAL FISHEYE and RF85mm F1.2 L USM DS are not compatible. |
| Image Sensor | |
| Type | APS-C CMOS sensor (compatible with Dual Pixel CMOS AF) |
| Effective Pixels | Approx. 24.1 megapixels |
| Screen Size | Approx. 22.3×14.9 mm |
| Pixel Unit | Approx. 3.72 μm square |
| Total Pixels | Approx. 25.8 megapixels |
| Aspect Ratio | 3:2 (Horizontal: Vertical) |
| Color Filter System | RGB primary color filters |
| Low Pass Filter | Not provided |
| Dust Deletion Feature | Self Cleaning Sensor Unit not provided. Manual cleaning (by hand) not supported. 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. |
| Recording System | |
| Recording Format | Compliant to Design rule for Camera File system 2.0 and Exif 2.31* <ul style="list-style-type: none"> *Supports time offset information |
| Image Format | JPEG (.JPG), RAW, C-RAW (.CR3) <ul style="list-style-type: none"> * HEIF not supported. Movies: ALL-I (Time-lapse video only), IPB (Standard) (.MP4) <ul style="list-style-type: none"> * IPB (Light) not supported. |

| File Size | | Image Quality | File Size [Approx. MB] | Available Shots [Approx.]* ¹ | |
|-----------|------------------|---------------|------------------------|---|-------|
| | JPEG | L (fine) | | 8.4 | 3600 |
| | | L (Normal) | | 4.5 | 6610 |
| | | M (fine) | | 4.6 | 6480 |
| | | M (Normal) | | 2.6 | 11400 |
| | | S1 (Fine) | | 3.1 | 9690 |
| | | S1 (Normal) | | 1.8 | 16010 |
| | | S2 | | 1.8 | 16340 |
| RAW | RAW | | 27.2 | 1120 | |
| | C-RAW | | 15.8 | 1930 | |
| RAW+JPEG | RAW + L (fine) | | 27.2 + 8.4 | 850 | |
| | C-RAW + L (fine) | | 15.8 + 8.4 | 1250 | |

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

* 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).

| Maximum Burst | | Image Quality | Electronic 1st-curtain (Approx. 6.5 shots/sec.) | |
|---------------|------------------|---------------|---|-----|
| | | | Standard card* ¹ | |
| | JPEG | L (fine) | | 100 |
| | | M (fine) | | 97 |
| | | S1 (Fine) | | 97 |
| | | S2 | | 97 |
| | RAW | RAW | | 6 |
| | | C-RAW | | 17 |
| RAW+JPEG | RAW + L (fine) | | 6 | |
| | C-RAW + L (fine) | | 13 | |

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

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

* Maximum burst varies depending on shooting conditions (including aspect ratio, subject, memory card brand, ISO speed, Picture Style, and Custom Function, etc.).

* Setting Auto Lighting Optimizer to [High] reduces maximum burst.

| | |
|--|---|
| File Numbering | <ol style="list-style-type: none"> 1. File numbering methods <ol style="list-style-type: none"> a. Continuous numbering <ol style="list-style-type: none"> i. The numbering of captured images continues even after you replace the card. b. Auto reset <ol style="list-style-type: none"> 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. 2. Manual reset <ol style="list-style-type: none"> a. Resets the file number to 0001, and creates a new folder automatically. |
| RAW + JPEG Simultaneous Recording | Simultaneous recording of any combination of RAW/C-RAW images and JPEG images is supported. |
| Color Space | Selectable between sRGB and Adobe RGB |
| Picture Style | <ol style="list-style-type: none"> (1) Auto (2) Standard (3) Portrait (4) Landscape (5) Fine Detail (6) Neutral (7) Faithful (8) Monochrome (9) User Defined 1–3 <p>* Picture Style files can be registered to user-defined settings 1–3.</p> |
| White Balance | |
| Settings | <ol style="list-style-type: none"> (1) Auto (Ambience priority/White priority) (2) Daylight (3) Shade (4) Cloudy*¹ (5) Tungsten light (6) White fluorescent light (7) Flash (8) Custom (Custom WB) (9) Color temperature*² <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> |
| White Balance Shift | Blue/amber bias: ±9 levels Magenta/green bias: ±9 levels <ul style="list-style-type: none"> • Shifted from the color temperature of the current WB mode. • Blue/amber and magenta/green shift can be set at the same time. |
| Viewfinder | |
| Type | OLED color electronic viewfinder; 0.39-inch, approx. 2.36 million dots |
| Coverage | Approx. 100% (at JPEG Large image quality, 3:2 aspect ratio, approx. 22 mm eyepoint) |
| Magnification / Angle of View | Approx. 0.95×/28.0° (3:2 aspect ratio, with 50mm lens at infinity, −1 m ⁻¹) |
| Eye Point | Approx. 22 mm (at −1 m ⁻¹ from eyepiece lens end) |
| Dioptic Adjustment Range | Approx. −3.0 to +1.0 m ⁻¹ (dpt) |

| | |
|---|--|
| Viewfinder Information | <p>Users can customize and select whether to use the following three display elements.</p> <ul style="list-style-type: none"> • Live View + basic information display • Live View + detailed information display • Live View + detailed information display + histogram |
| Autofocus | |
| Focus Method | Still photo shooting: Dual Pixel CMOS AF |
| Number of AF zones available for Automatic Selection | <p>AF area: Horizontal: Approx. 88% x Vertical: Approx. 100%</p> <p>Stills: Max. 143 zones (13×11)</p> <p>Movies: Max. 117 zones (13×9)</p> |
| Selectable Positions for AF Point | <p>AF area: Horizontal: Approx. 88% x Vertical: Approx. 100%</p> <p>Stills: Max. 3975 positions (75 × 53)</p> <p>Movies: Max. 3375 positions (75 × 45)</p> |
| Focusing brightness range (still photo shooting) | <p>EV –4.0 to 20</p> <p>(With an f/1.2 lens,* center AF point, One-Shot AF at room temperature, and ISO 100)</p> <p>* Except RF lenses with a Defocus Smoothing (DS) coating</p> |
| Focusing brightness range (movie recording) | <p>EV –2.0 to 20</p> <p>(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</p> <p>* During Full HD (29.97/25.00 fps) recording</p> |
| AF Method | <ul style="list-style-type: none"> • Face+Tracking AF^{*1} • Spot AF^{*1*2} • 1-point AF • Zone AF^{*2} <p>*1: Not available in Panning mode. *2: Not available for 4K movies. * Some lenses and camera settings may reduce the number of AF areas and zones used.</p> |
| Available Subject Detection | <ul style="list-style-type: none"> • People / Eye |
| Eye Detection | <p>Auto:</p> <ul style="list-style-type: none"> • The eye closer to the camera is selected (as detected from the angle of the face). <p>Changed Manually:</p> <ul style="list-style-type: none"> • Other eyes can be selected with the left and right cross keys after pressing the AF point selection button. • Faces are selected when another subject's eyes cannot be detected. |
| Exposure Control | |
| Metering Modes | <p>384-zone (24×16) metering using image sensor output signals</p> <p>(1) Evaluative metering (AF point-linked)</p> <p>(2) Partial metering (approx. 5.8% of the area at the center of the screen)</p> <p>(3) Spot metering (approx. 2.9% of the area at the center of the screen)</p> <p>(4) Center-weighted average metering</p> |
| Metering Range | <p>Still Photo Shooting: EV -2 to 20</p> <p>Movie Recording: EV 0 to 20</p> |

| <p>Exposure Modes</p> | <p>Still Photo Shooting: (1) Scene Intelligent Auto (2) Hybrid Auto (3) Special Scenes (4) Creative Filters (5) Program AE (6) Shutter-priority AE (7) Aperture-priority AE (8) Manual Exposure (9) Bulb Exposure</p> <p>Movie Recording: (1) Movie auto exposure (2) Movie manual exposure</p> | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|---|---|--|-----------------|-----------------------------------|---------------|--|----------|--------------------------|---------------|-----------------------------------|---|----------------------------|----------|-----------------------|-----------------------|------------|--------------------------------------|--------------|--------------|---------------|-------------------------|--|------------------|-------------------------|--|
| <p>ISO Speed Range</p> | <p>Manually Set</p> <table border="1" data-bbox="456 615 1352 705"> <tr> <td>Normal</td> <td>ISO 100–12800 (in 1/3- or 1-stop increments)</td> </tr> <tr> <td>Expanded</td> <td>H (equivalent to ISO 25600)</td> </tr> </table> <ul style="list-style-type: none"> • When set to [Highlight tone priority], the available manual setting range is ISO 200–12800. <p>ISO Auto setting range for still photo shooting: Not supported</p> <p>ISO Auto details for still photo shooting</p> <table border="1" data-bbox="456 869 1328 1203"> <thead> <tr> <th colspan="2">Shooting mode</th> <th>No Flash</th> <th>Using Flash⁵</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Creative Zone</td> <td>P / Tv / Av / M (other than bulb)</td> <td>ISO 100^{*1*}–12800^{*2}</td> <td>ISO 100–1600^{*2}</td> </tr> <tr> <td>M (bulb)</td> <td>ISO 400^{*3}</td> <td>ISO 400^{*3}</td> </tr> <tr> <td rowspan="3">Basic Zone</td> <td>Scene Intelligent Auto / Hybrid Auto</td> <td>ISO 100–6400</td> <td>ISO 100–6400</td> </tr> <tr> <td>Special Scene</td> <td colspan="2">Varies by shooting mode</td> </tr> <tr> <td>Creative Filters</td> <td colspan="2">Varies by shooting mode</td> </tr> </tbody> </table> <p>^{*1}: ISO 200 when set to [Highlight tone priority: Enable/Enhanced]. ^{*2}: Varies depending on the [Max for Auto] settings. ^{*3}: If outside the setting range, changed to the value closest to ISO 400. ^{*4}: When using the built-in flash. ISO 1600 when using an external flash unit. ^{*5}: Can be used with lenses that do and do not support variable control of maximum ISO Auto limit for E-TTL.</p> | Normal | ISO 100–12800 (in 1/3- or 1-stop increments) | Expanded | H (equivalent to ISO 25600) | Shooting mode | | No Flash | Using Flash ⁵ | Creative Zone | P / Tv / Av / M (other than bulb) | ISO 100 ^{*1*} –12800 ^{*2} | ISO 100–1600 ^{*2} | M (bulb) | ISO 400 ^{*3} | ISO 400 ^{*3} | Basic Zone | Scene Intelligent Auto / Hybrid Auto | ISO 100–6400 | ISO 100–6400 | Special Scene | Varies by shooting mode | | Creative Filters | Varies by shooting mode | |
| Normal | ISO 100–12800 (in 1/3- or 1-stop increments) | | | | | | | | | | | | | | | | | | | | | | | | | |
| Expanded | H (equivalent to ISO 25600) | | | | | | | | | | | | | | | | | | | | | | | | | |
| Shooting mode | | No Flash | Using Flash ⁵ | | | | | | | | | | | | | | | | | | | | | | | |
| Creative Zone | P / Tv / Av / M (other than bulb) | ISO 100 ^{*1*} –12800 ^{*2} | ISO 100–1600 ^{*2} | | | | | | | | | | | | | | | | | | | | | | | |
| | M (bulb) | ISO 400 ^{*3} | ISO 400 ^{*3} | | | | | | | | | | | | | | | | | | | | | | | |
| Basic Zone | Scene Intelligent Auto / Hybrid Auto | ISO 100–6400 | ISO 100–6400 | | | | | | | | | | | | | | | | | | | | | | | |
| | Special Scene | Varies by shooting mode | | | | | | | | | | | | | | | | | | | | | | | | |
| | Creative Filters | Varies by shooting mode | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Exposure Compensation</p> | <table border="1" data-bbox="456 1360 1328 1455"> <tr> <td>User-set</td> <td>±3 stops (in 1/3-stop increments)</td> </tr> <tr> <td>AEB</td> <td>±3 stops (in 1/3-stop increments)</td> </tr> </table> | User-set | ±3 stops (in 1/3-stop increments) | AEB | ±3 stops (in 1/3-stop increments) | | | | | | | | | | | | | | | | | | | | | |
| User-set | ±3 stops (in 1/3-stop increments) | | | | | | | | | | | | | | | | | | | | | | | | | |
| AEB | ±3 stops (in 1/3-stop increments) | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>AE Lock</p> | <p>(1) Automatic AE lock</p> <ul style="list-style-type: none"> • In One-Shot AF mode, AE is locked as soon as subjects are in focus. <p>(2) Manual AE lock</p> <ul style="list-style-type: none"> • By using the AE Lock button in P, Tv, Av, and M mode. • Toggling: Press again to cancel and once more to refresh. • Enabled in all metering modes. | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Shutter</p> | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Type</p> | <p>Electronically controlled focal-plane shutter</p> <ul style="list-style-type: none"> * Electronic 1st / mechanical 2nd curtain * Except in silent shutter mode <p>Rolling shutter, using the image sensor</p> <ul style="list-style-type: none"> * Electronic shutter * In silent shutter mode | | | | | | | | | | | | | | | | | | | | | | | | | |

| Shutter Speed / X-sync Speed | Creative Zone: 1/4000–30 sec.,* ¹ Bulb* ² Basic Zone: 1/4000–1 sec.* ³ Maximum flash sync speed: 1/250 sec. *1: In 1/3-stop increments *2: In manual shooting mode only *3: Varies by mode. | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|------------------------------|------------------------|-------------------------------------|-------------------------------------|--------------------|------------------------|-------------------------------------|--------------------|-----------------------------------|-------------|------------------------------|-------------------|--------------------|----------------|---------------|-------------------------------|---------|-----|-----|--------|-----|-----|---------------------|-----|---------------|
| Shutter Release | Soft-touch electromagnetic release | | | | | | | | | | | | | | | | | | | | | | | | | |
| Self Timer | 10-sec. delay, 2-sec. delay, Continuous | | | | | | | | | | | | | | | | | | | | | | | | | |
| Image Stabilization (IS mode) | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Still Photo IS | In-body IS not provided. Still Photo IS not supported. | | | | | | | | | | | | | | | | | | | | | | | | | |
| External Speedlite | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Accessory Shoe | Conventional accessory shoe * Not compatible with accessories designed for multi-function shoes | | | | | | | | | | | | | | | | | | | | | | | | | |
| E-TTL balance | Not supported | | | | | | | | | | | | | | | | | | | | | | | | | |
| Flash Exposure Compensation | ±2 stops (in 1/3-stop increments) * When set from the camera menu | | | | | | | | | | | | | | | | | | | | | | | | | |
| Continuous flash control | Not supported * Set to [E-TTL each shot] and cannot be changed | | | | | | | | | | | | | | | | | | | | | | | | | |
| Drive System | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Drive Modes and Continuous Shooting Speed | <table border="1"> <thead> <tr> <th>Drive Modes</th> <th>AF operation</th> <th>Electronic 1st curtain</th> <th>Electronic shutter**^{4,6}</th> </tr> </thead> <tbody> <tr> <td>Single Shooting</td> <td>One-Shot AF / Servo AF</td> <td>Yes</td> <td>Yes*⁵</td> </tr> <tr> <td rowspan="2">Continuous Shooting*¹</td> <td>One-Shot AF</td> <td>6.5 shots/sec.*²</td> <td>Not supported</td> </tr> <tr> <td>Servo AF</td> <td>3.5 shots/sec.</td> <td>Not supported</td> </tr> <tr> <td rowspan="3">Self-timer</td> <td>10 sec.</td> <td>Yes</td> <td>Yes</td> </tr> <tr> <td>2 sec.</td> <td>Yes</td> <td>Yes</td> </tr> <tr> <td>Continuous shooting</td> <td>Yes</td> <td>Not supported</td> </tr> </tbody> </table> | Drive Modes | AF operation | Electronic 1st curtain | Electronic shutter** ^{4,6} | Single Shooting | One-Shot AF / Servo AF | Yes | Yes* ⁵ | Continuous Shooting* ¹ | One-Shot AF | 6.5 shots/sec.* ² | Not supported | Servo AF | 3.5 shots/sec. | Not supported | Self-timer | 10 sec. | Yes | Yes | 2 sec. | Yes | Yes | Continuous shooting | Yes | Not supported |
| | Drive Modes | AF operation | Electronic 1st curtain | Electronic shutter** ^{4,6} | | | | | | | | | | | | | | | | | | | | | | |
| Single Shooting | One-Shot AF / Servo AF | Yes | Yes* ⁵ | | | | | | | | | | | | | | | | | | | | | | | |
| Continuous Shooting* ¹ | One-Shot AF | 6.5 shots/sec.* ² | Not supported | | | | | | | | | | | | | | | | | | | | | | | |
| | Servo AF | 3.5 shots/sec. | Not supported | | | | | | | | | | | | | | | | | | | | | | | |
| Self-timer | 10 sec. | Yes | Yes | | | | | | | | | | | | | | | | | | | | | | | |
| | 2 sec. | Yes | Yes | | | | | | | | | | | | | | | | | | | | | | | |
| | Continuous shooting | Yes | Not supported | | | | | | | | | | | | | | | | | | | | | | | |
| <p>*1: RAW/C-RAW shot in continuous shooting is 12 bit A/D converted data. *2: AE and WB are fixed after the first shot. *4: In silent shutter mode *5: One-Shot AF and Servo AF cannot be selected. *6: RAW/C-RAW shot in silent shutter mode is 12 bit A/D converted data.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Video Shooting | | | | | | | | | | | | | | | | | | | | | | | | | | |
| File Format | Normal Movies | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <table border="1"> <tbody> <tr> <td>Container format</td> <td>MP4</td> </tr> <tr> <td>Bit depth</td> <td>8 bit</td> </tr> <tr> <td>Compression</td> <td>H.264 / MPEG-4 AVC</td> </tr> <tr> <td>Video signal recording range</td> <td>Full range (0-255)</td> </tr> <tr> <td>Color sampling method</td> <td>YCbCr 4:2:0</td> </tr> <tr> <td>Standards compliance</td> <td>Rec. ITU-R BT.709</td> </tr> <tr> <td>Color gamut</td> <td>Rec.709</td> </tr> <tr> <td>Audio</td> <td>IPB (Standard)* AAC</td> </tr> </tbody> </table> | Container format | MP4 | Bit depth | 8 bit | Compression | H.264 / MPEG-4 AVC | Video signal recording range | Full range (0-255) | Color sampling method | YCbCr 4:2:0 | Standards compliance | Rec. ITU-R BT.709 | Color gamut | Rec.709 | Audio | IPB (Standard)* AAC | | | | | | | | | |
| Container format | MP4 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bit depth | 8 bit | | | | | | | | | | | | | | | | | | | | | | | | | |
| Compression | H.264 / MPEG-4 AVC | | | | | | | | | | | | | | | | | | | | | | | | | |
| Video signal recording range | Full range (0-255) | | | | | | | | | | | | | | | | | | | | | | | | | |
| Color sampling method | YCbCr 4:2:0 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Standards compliance | Rec. ITU-R BT.709 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Color gamut | Rec.709 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Audio | IPB (Standard)* AAC | | | | | | | | | | | | | | | | | | | | | | | | | |

| Estimated Recording time, Movie Bit Rate and File Size | 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 | 23.98 fps | IPB (Standard) | 35 min. | 2 hr. 21 min. | 9 hr. 27 min. | 120 Mbps 861 MB/min. |
| | Full HD | 59.94 fps | IPB (Standard) | 1 hr. 10 min. | 4 hr. 43 min. | 18 hr. 52 min. | 60 Mbps 432 MB/min. |
| | | 29.97 fps 23.98 fps | IPB (Standard) | 2 hr. 20 min. | 9 hr. 23 min. | 37 hr. 35 min. | 30 Mbps 217 MB/min. |
| | HD | 59.94 fps | IPB (Standard) | 2 hr. 42 min. | 10 hr. 49 min. | 43 hr. 19 min. | 26 Mbps 188 MB/min. |
| | High Frame Rate movies | 119.88 fps | IPB (Standard) | 1 hr. 22 min. | 5 hr. 28 min. | 21 hr. 52 min. | 52 Mbps 372 MB/min |
| | 4K (Time-lapse movie) | 29.97 fps | ALL-I | 14 min. | 56 min. | 3 hr. 47 min. | 300 Mbps 2146 MB/min. |
| | Full HD (Time-lapse movie) | 29.97 fps | ALL-I | 47 min. | 3 hr. 9 min. | 12 hr. 38 min. | 90 Mbps 644 MB/min. |
| | Miniature effect movies | 29.97 fps 23.98 fps | IPB (Standard) | 2 hr. 20 min. | 9 hr. 23 min. | 37 hr. 35 min. | 30 Mbps 217 MB/min. |
| <p>* 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.</p> | | | | | | | |
| Card Performance Requirements | Movie Recording Size | | | SD Card | | | |
| | Resolution | Frame rate (fps) | Compression Method | | | | |
| | 4K UHD | 23.98 fps | IPB (Standard) | UHS Speed Class 3 or higher | | | |
| | Full HD | 59.94 fps | IPB (Standard) | SD Speed Class 10 or higher | | | |
| | | 29.97 fps 23.98 fps | IPB (Standard) | SD Speed Class 6 or higher | | | |
| | HD | 59.94 | IPB (Standard) | SD Speed Class 4 or higher | | | |
| | High Frame Rate movies | 119.88 fps | IPB (Standard) | SD Speed Class 10 or higher | | | |
| | 4K (Time-lapse movie) | 29.97 fps | ALL-I | Read speed of 40 MB/s or higher | | | |
| | Full HD (Time-lapse movie) | 29.97 fps | ALL-I | Read speed of 20 MB/s or higher | | | |
| Miniature effect movie | 29.97 fps 23.98 fps | IPB (Standard) | SD Speed Class 6 or higher | | | | |
| Video AF | Full HD or HD movie recording: Dual Pixel CMOS AF 4K movie recording: Contrast AF * With Contrast AF as used when recording 4K movies, focusing may take longer than when recording Full HD or HD movies, and focusing with certain lenses may be difficult. | | | | | | |

| | | | | |
|---------------------------------------|--|-------------------------------------|---|-----------------------------|
| Time Code | Not supported | | | |
| Movie Pre-recording | Not supported | | | |
| Time-lapse Movie Setting | | Interval*1 | No. of shots | Time required (max.) |
| | Scene 1 | 1–4 sec. | 30–900*2 | Approx. 1 hr. |
| | Scene 2 | 5–10 sec. | 30–720*2 | Approx. 2 hr. |
| | Scene 3 | 11–30 sec. | 30–240*2 | Approx. 2 hr. |
| | Custom | 1 sec. to 60 min. | 2–3600*3 | Approx. 150 days |
| | *1: Can be set in 1-sec. increments. | | | |
| | *2: Can be set in 30-shot increments. | | | |
| | *3: Can be set in 1-shot increments. | | | |
| Time-lapse Playback Frame Rate | 29.97 (set to NTSC); 25.00fps (set to PAL) | | | |
| LCD Screen | | | | |
| Type | TFT color, liquid-crystal monitor | | | |
| Monitor Size | 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) | | | |
| Dots | Approx. 1.04 million dots | | | |
| Coverage | Approx. 100% vertically/horizontally | | | |
| Brightness Control | Manually adjustable in a range of 1–7 | | | |
| Touch-screen Operation | Not provided | | | |
| Coating | Anti-smudge coating not provided. Anti-reflection coating not provided. | | | |
| Interface Languages | 29 (English, German, French, Dutch, Danish, Portuguese, Finnish, Italian, Ukraine, Norwegian, Swedish, Spanish, Greek, Russian, Polish, Czech, Hungarian, Vietnamese, Hindi, Romanian, Turkish, Arabic, Thai, Simplified/Traditional Chinese, Korean, Malay, Indonesian, Japanese) | | | |
| Playback | | | | |
| Display Format | | Item | Still Photo | Movie |
| | | Magnify zoom display | 1.5×–10× (15 levels) | - |
| | | AF point display | Yes | - |
| | | Grid display | Off / 3×3 / 6×4 / 3×3+diag | - |
| | | Zebra display | - | Not supported |
| | | False Color display | - | Not supported |
| | | Rating | OFF / 1 to 5 Stars Select images / Select range / All images in folder / All images on card / All found images | |
| | | Image Search | Search conditions Rating / Date / Folder / Protection / Type of file | |
| | | Shooting information display | No information display / Basic information display / Detailed shooting information display | |

| Highlight Alert | Yes * Detailed information display only | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|-------------------|---|------------|--|------------|-----------------------|---------------------|----------|-----|----------------------|------|--|---------|----------------|------|-----|---|--|---------|------------|-----|-------------------|---------------------|-------------|--|
| Histogram | Brightness / RGB | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quick Control Function | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Function | The Quick Control screen can be accessed by pressing the Quick Control button during still photo shooting, movie recording, or playback. | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quick Control Screen | Displayable * Only the conventional Quick Control screen | | | | | | | | | | | | | | | | | | | | | | | | | |
| Image Protection and Erase | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Protection | Select images / Select range / All images in folder / Unprotect all images in folder / All images on card / Unprotect all images on card / All found images / Unprotect all found images | | | | | | | | | | | | | | | | | | | | | | | | | |
| Erase | Select and erase images / Select range / All images in folder / All images on card / All found images | | | | | | | | | | | | | | | | | | | | | | | | | |
| Direct Printing | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wireless Connections | Images can be sent via Wi-Fi to a PictBridge-compatible (wireless LAN) printer and printed. | | | | | | | | | | | | | | | | | | | | | | | | | |
| DPOF: Digital Print Order Format | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DPOF | Compliant to DPOF Version 1.1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wi-Fi® | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Supporting Standards | Equivalent to IEEE 802.11b/g/n Standards | | | | | | | | | | | | | | | | | | | | | | | | | |
| Transmission Method | DS-SS modulation (IEEE 802.11b) OFDM modulation (IEEE 802.11g/n) | | | | | | | | | | | | | | | | | | | | | | | | | |
| Transition Frequency (Central Frequency) | 2.4 GHz band Frequency: 2412 to 2462 MHz Channels: 1 to 11 channels 5.0 GHz band Not supported | | | | | | | | | | | | | | | | | | | | | | | | | |
| Connection Method | (1) Camera access point mode (2) Infrastructure mode | | | | | | | | | | | | | | | | | | | | | | | | | |
| Security | <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-PSK</td> <td>AES</td> <td>• ASCII 8 characters</td> </tr> <tr> <td>Open</td> <td></td> <td>Disable</td> </tr> <tr> <td rowspan="4">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></td> <td>Disable</td> </tr> <tr> <td>Shared key</td> <td>WEP</td> <td>Same as WEP above</td> </tr> <tr> <td>WPA-PSK WPA2-PSK</td> <td>TKIP AES</td> <td>Hexadecimal 64 digits ASCII 8–63 characters</td> </tr> </tbody> </table> | Connection Method | Authentication | Encryption | | Encryption | Key Format and Length | Camera Access Point | WPA2-PSK | 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-PSK WPA2-PSK | TKIP AES | Hexadecimal 64 digits ASCII 8–63 characters |
| Connection Method | Authentication | | | Encryption | | | | | | | | | | | | | | | | | | | | | | |
| | | Encryption | Key Format and Length | | | | | | | | | | | | | | | | | | | | | | | |
| Camera Access Point | WPA2-PSK | 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-PSK WPA2-PSK | TKIP AES | Hexadecimal 64 digits ASCII 8–63 characters | | | | | | | | | | | | | | | | | | | | | | | |
| Communication with a Smartphone | <ul style="list-style-type: none"> • Images can be viewed, controlled, and received using a smartphone. • Remote control of the camera using a smartphone is possible depending on the Camera Connect specifications. • Images can be sent to a smartphone. • NFC connection: Not supported • Supported images: JPEG, RAW/C-RAW, MP4 video files • Transcoding while sending: Size to send (original / reduced size); Quality to send (original / compressed) | | | | | | | | | | | | | | | | | | | | | | | | | |
| Remote Operation Using EOS Utility | The camera can be controlled via Wi-Fi® or USB, with Canon EOS Utility software installed in a compatible Mac or Windows computer. | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | |
|-------------------------------------|---|--------------------------------|---|---------------------------------|---|
| Print from Wi-Fi® Printers | Supported | | | | |
| Send Images to a Web Service | image.canon: Video files (MP4) and JPEG, 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. | | | | |
| Bluetooth® | | | | | |
| Standards Compliance | Bluetooth Specification Version 4.2 compliant (Bluetooth Low Energy technology) | | | | |
| Transmission Method | GFSK modulation | | | | |
| Bluetooth Pairing | Smartphone — up to 10 devices; BR-E1 remote controller — 1 unit | | | | |
| Customization | | | | | |
| Available Functions | Customize buttons | | | | |
| Customize Buttons | Functions can be assigned to the following camera controls. <ul style="list-style-type: none"> • Shutter button (half-press) • Exposure compensation button • AE lock button • ISO speed setting button • Flash button • Movie shooting button • Drive mode button | | | | |
| Customizable Dials | Customize control ring not supported. | | | | |
| My Menu Registration | <ul style="list-style-type: none"> • Up to six items from the menu items and the top-tier items of Custom Functions can be registered to each tab. • Up to five My Menu tabs can be added. <table border="1" data-bbox="469 972 1258 1262"> <tr> <td>My Menu tab overall operations</td> <td> <ul style="list-style-type: none"> • Add My Menu tab • Delete all My Menu tabs • Delete all items • Menu display (display method) </td> </tr> <tr> <td>My Menu tab detailed operations</td> <td> <ul style="list-style-type: none"> • Select items to register • Sort registered items • Delete selected items • Delete all items on tab • Delete tab • Rename tab (16 ASCII characters) </td> </tr> </table> | My Menu tab overall operations | <ul style="list-style-type: none"> • Add My Menu tab • Delete all My Menu tabs • Delete all items • Menu display (display method) | My Menu tab detailed operations | <ul style="list-style-type: none"> • Select items to register • Sort registered items • Delete selected items • Delete all items on tab • Delete tab • Rename tab (16 ASCII characters) |
| My Menu tab overall operations | <ul style="list-style-type: none"> • Add My Menu tab • Delete all My Menu tabs • Delete all items • Menu display (display method) | | | | |
| My Menu tab detailed operations | <ul style="list-style-type: none"> • Select items to register • Sort registered items • Delete selected items • Delete all items on tab • Delete tab • Rename tab (16 ASCII characters) | | | | |
| Video Calls / Streaming | | | | | |
| USB Video Class (UVC) | Not supported. | | | | |
| Interface | | | | | |
| USB Terminal | Equivalent to Hi-Speed USB (USB 2.0) <ul style="list-style-type: none"> • For PC communication • Terminal type: USB Type-C * Cannot be connected to a printer * Not for communication with smartphones * Charging and powering the camera via USB are not supported | | | | |
| HDMI Out Terminal | HDMI micro OUT terminal (Type D) <ul style="list-style-type: none"> * Resolution switches automatically * HDMI CEC not supported * Images not displayed unless [For NTSC] or [For PAL] is set correctly for the TV video system | | | | |
| Clean HDMI Output | Provided | | | | |
| Microphone terminal | 3.5mm diameter stereo mini jack | | | | |

| Headphone terminal | Not provided. | | | | | | | | | | |
|--|--|-------------------|---------------|---------------|--|---|-------------------|---------------|------------------|-------------------|---------------|
| Power Source | | | | | | | | | | | |
| Battery | Canon LP-E17 battery pack • With the AC Adapter AC-E6N + DC Coupler DR-E18, AC power is possible (AC Adapter Kit ACK-E18 can also be used). | | | | | | | | | | |
| Optional Battery Grip | Not supported. | | | | | | | | | | |
| Battery Check | Automatic battery check with 4-level display when the power switch is turned ON. | | | | | | | | | | |
| Start-up Time | Approx. 0.9 sec. • Based on CIPA testing standards. | | | | | | | | | | |
| Dimensions and Weight | | | | | | | | | | | |
| Dimensions (W x H x D) | Approx. 4.58 × 3.37 × 2.71 in. / 116.3 x 85.5 x 68.8mm • Based on CIPA standards. | | | | | | | | | | |
| Weight | <table border="1"> <thead> <tr> <th></th> <th colspan="2">Weight</th> </tr> </thead> <tbody> <tr> <td>Body (including battery and card)**1</td> <td>Approx. 12.56 oz.</td> <td>Approx. 356 g</td> </tr> <tr> <td>Body only</td> <td>Approx. 10.90 oz.</td> <td>Approx. 309 g</td> </tr> </tbody> </table> | | | Weight | | Body (including battery and card)**1 | Approx. 12.56 oz. | Approx. 356 g | Body only | Approx. 10.90 oz. | Approx. 309 g |
| | | Weight | | | | | | | | | |
| | Body (including battery and card)**1 | Approx. 12.56 oz. | Approx. 356 g | | | | | | | | |
| Body only | Approx. 10.90 oz. | Approx. 309 g | | | | | | | | | |
| * Not including body cap. *1: Based on CIPA guidelines. * Shoe cover not provided. | | | | | | | | | | | |
| Operating Environment | | | | | | | | | | | |
| Working Temperature Range | 32–104°F / 0–40°C | | | | | | | | | | |
| Working Humidity Range | 85% or less | | | | | | | | | | |