

[Specifications]

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| Type | |
| Type | Digital AF/AE single-lens reflex camera with built-in flash |
| Recording Media | SD card, SDHC card, SDXC memory card * Compatible with Ultra High Speed (UHS-I) memory cards and Eye-Fi cards. |
| Image Sensor Size (Format) | Approx. 22.3mm x 14.9mm (APS-C) |
| Compatible Lenses | Canon EF lenses (including EF-S lenses) |
| Lens Mount | Canon EF mount |
| Image Sensor | |
| Type | CMOS Sensor |
| Pixels | Effective pixels: Approx. 24.20 megapixels Total pixels: Approx. 24.70 megapixels |
| Pixel Unit | 3.72µm square |
| 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 Deletion Feature | <p>(1) Self Cleaning Sensor Unit</p> <ul style="list-style-type: none"> Removes dust adhering to the low-pass filter. Self-cleaning executed automatically (taking approx. 2 sec.) when power is turned on or off. Manual execution also possible (taking approx. 5 sec.). <p>(2) Dust Delete Data acquisition and appending</p> <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 provided software to automatically erase the dust spots. <p>(3) Manual cleaning</p> |
| Recording System | |
| Recording Format | Complies with Design rule for Camera File system 2.0 and EXIF 2.30 |
| Image Format | Still: JPEG: JPG, RAW: CR2 (Canon Raw 2 nd edition), RAW+JPEG Video: MP4 |
| RAW + JPEG Simultaneous Recording | Yes |
| File Size | <p>3:2</p> <p>(1) Large: Approx. 24.00 Megapixels (6000 x 4000) (2) Medium: Approx. 10.60 Megapixels (3984 x 2656) (3) Small 1: Approx. 5.90 Megapixels (2976 x 1984) (4) Small 2: Approx. 2.50 Megapixels (1920 x 1280) (5) Small 3: Approx. 0.35 Megapixels (720 x 480) (6) RAW: Approx. 24.00 Megapixels (6000 x 4000)</p> <p>4:3</p> <p>(1) Large: Approx. 21.30 Megapixels (5328 x 4000) (2) Medium: Approx. 9.50 Megapixels (3552 x 2664) (3) Small 1: Approx. 5.30 Megapixels (2656 x 1992) (4) Small 2: Approx. 2.20 Megapixels (1696 x 1280)</p> |

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| | <p>(5) Small 3: Approx. 0.31 Megapixels (640 x 480) (6) RAW: Approx. 24.00 Megapixels (6000 x 4000)</p> <p>16:9</p> <p>(1) Large: Approx. 20.20 Megapixels (6000 x 3368) (2) Medium: Approx. 8.90 Megapixels (3984 x 2240) (3) Small 1: Approx. 5.00 Megapixels (2976 x 1680) (4) Small 2: Approx. 2.10 Megapixels (1920 x 1080) (5) Small 3: Approx. 0.29 Megapixels (720 x 408) (6) RAW: Approx. 24.00 Megapixels (6000 x 4000)</p> <p>1:1</p> <p>1) Large: Approx. 16.00 Megapixels (4000 x 4000) (2) Medium: Approx. 7.10 Megapixels (2656 x 2656) (3) Small 1: Approx. 3.90 Megapixels (1984 x 1984) (4) Small 2: Approx. 1.60 Megapixels (1280 x 1280) (5) Small 3: Approx. 0.23 Megapixels (480 x 480) (6) RAW: Approx. 24.00 Megapixels (6000 x 4000)</p> |
| File Numbering | <p>The following three types of file numbering methods can be set:</p> <p>(1) Continuous numbering * The numbering of captured images will continue even after you replace the camera's card.</p> <p>(2) Auto reset * When you replace the camera's 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.</p> <p>(3) Manual reset * Resets the file number to 0001, and creates a new folder automatically.</p> |
| Color Space | sRGB, Adobe RGB |
| Picture Style | <p>Auto, Standard, Portrait, Landscape, Neutral, Faithful, Monochrome, User Defined 1-3</p> <p>* In Basic Zone modes, "Auto" is set automatically. * In Creative Zone modes, you can select or set the Picture Style. * Default settings for [User Defined 1-3] are [Auto].</p> |
| Backup Recording | Not Available |
| White Balance | |
| White Balance Settings | Auto, Preset (Daylight; Shade; Cloudy, Twilight, Sunset; Tungsten light; White Fluorescent Light; Flash), Custom (Approx. 2,000° – 10,000°K), White Balance Correction, and White Balance Bracketing |
| Auto White Balance | Auto white balance with the image sensor |
| Color Temperature Compensation | <ul style="list-style-type: none"> • Blue/amber bias: ±9 levels • Magenta/green bias: ±9 levels <p>* Correction based on the current WB mode's color temperature.</p> |
| Color Temperature Information | Provided |

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| Transmission | |
| Viewfinder | |
| Type | Eye-level SLR (with fixed pentamirror) |
| Coverage | Approx. 95% vertically and horizontally (with Eye point approx. 19mm) * Coverage is approx. 93% when aspect ratio is set to 16:9. |
| Magnification/Angle of View | Approx. 0.82x / 23.2° (50mm lens at ∞ , -1 m ⁻¹) |
| Eye point | Approx. 19mm (At -1m ⁻¹ from the eyepiece lens center) |
| Dioptic Adjustment Correction | Adjustable from approx. -3.0 to +1.0 m ⁻¹ (dpt) |
| Focusing Screen | Fixed |
| Mirror | Quick-return half mirror (transmission: reflection ratio of 40:60) |
| Viewfinder Information | <ul style="list-style-type: none"> • AF information AF points and focus confirmation • Exposure information Shutter speed, aperture, ISO speed (always displayed), AE lock, exposure level, spot metering circle, exposure warning, flicker detection indicator • Flash information Flash ready, flash exposure compensation, high-speed sync, FE lock, red-eye reduction light • Image information Highlight tone priority (D+), maximum burst (1-digit display), white balance correction, SD card information |
| Depth-of-Field Preview | Enabled with depth-of-field preview button |
| Autofocus | |
| Type | TTL secondary image-forming, phase-difference detection |
| AF Points | 19 points All AF points are cross-type at f/5.6. Center AF point is diagonal cross-type at f/2.8. |
| AF Working Range | EV -0.5 – 18 (at room temperature and ISO 100, based on Canon's testing standards) |
| Focus Modes | 1) Autofocus <ul style="list-style-type: none"> • One-Shot AF • Predictive AI Servo AF • AI Focus AF * Switches between One-Shot AF and AI Servo AF 2) Manual focus |
| AF Point Selection Modes | (1) Manual selection (2) Auto selection * Automatically set in Basic Zone modes. |
| Selected AF Point Display | Indicated by superimposed display in the viewfinder and on the LCD monitor. |
| AF-assist Beam | Intermittent firing of built-in flash Effective range: Approx. 13.1 ft. / 4m at center, approx. 11.5 ft. / 3.5m at periphery * With an EOS-dedicated Speedlite attached, the Speedlite's AF-assist beam is emitted instead. * Compatible with AF assist-beam (intermittent firing) of 320EX, 270EX II, and 270EX flashes. |
| Exposure Control | |
| Metering Modes | 7560-pixel RGB+IR sensor Metering with the area divided into 63 segments (9x7) 1) Evaluative metering (linked to all AF points) |

| | 2) Partial metering (center, approx. 6.0% of viewfinder) 3) Spot metering (center, approx. 3.5% of viewfinder) 4) Center-weighted average metering | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|----------------------------|--|--------------|--|---------------|------------|---|--|--------------|--|-----------|--|--------------|-------|--|--------------|----------------------|---------------|----------------------------|--|----------------------------|------------|--|---------|
| Metering Range | EV 1 – 20 (at 23°C/73°F at ISO 100, evaluative metering) | | | | | | | | | | | | | | | | | | | | | | | | |
| Exposure Control | <p>Creative Zone</p> <p>(1) Program AE (shiftable) (2) Shutter-priority AE (3) Aperture-priority AE (4) Manual exposure (including bulb)</p> <p>Basic zone</p> <p>(1) Scene Intelligent Auto (Program AE / non-shiftable) (2) Flash OFF (3) Creative Auto</p> <p>* When background blurring is set, shooting with flash is disabled. When the flash is raised, background blurring cannot be set.</p> <p>(4) Portrait (5) Landscape (6) Close-up (7) Sports (8) Special scene</p> <ul style="list-style-type: none"> • Kids • Food • Candlelight • Night Portrait • Handheld Night Scene • HDR Backlight Control mode | | | | | | | | | | | | | | | | | | | | | | | | |
| ISO Speed (Recommended Exposure Index) | <p>For Stills:</p> <p>Manual setting range of ISO 100–12800 (in one-stop increments), expansion to ISO 25600 Auto; ISO 100–6400 (in whole-stop increments) for video</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" rowspan="2">Shooting Mode</th> <th colspan="2">ISO Settings</th> </tr> <tr> <th>Without Flash</th> <th>With Flash</th> </tr> </thead> <tbody> <tr> <td colspan="2">Auto, Flash OFF, Creative Auto, Portrait, Macro, Sports</td> <td>ISO 100–6400</td> <td rowspan="6">ISO 400^{*2*3} (excluding Auto, Children, Night Portrait, Handheld Night Scene)</td> </tr> <tr> <td colspan="2">Landscape</td> <td>ISO 100–1600</td> </tr> <tr> <td rowspan="2">Scene</td> <td>Children, Food, Candlelight, Night Portrait, HDR Backlight Control</td> <td>ISO 100–6400</td> </tr> <tr> <td>Handheld Night Scene</td> <td>ISO 100–12800</td> </tr> <tr> <td colspan="2">P, TV, Av, M^{*1}</td> <td>ISO 100–6400^{*1}</td> </tr> <tr> <td colspan="2">With flash</td> <td>ISO 400</td> </tr> </tbody> </table> <p>^{*1}: Depends on the maximum ISO speed that has been set.</p> | Shooting Mode | | ISO Settings | | Without Flash | With Flash | Auto, Flash OFF, Creative Auto, Portrait, Macro, Sports | | ISO 100–6400 | ISO 400 ^{*2*3} (excluding Auto, Children, Night Portrait, Handheld Night Scene) | Landscape | | ISO 100–1600 | Scene | Children, Food, Candlelight, Night Portrait, HDR Backlight Control | ISO 100–6400 | Handheld Night Scene | ISO 100–12800 | P, TV, Av, M ^{*1} | | ISO 100–6400 ^{*1} | With flash | | ISO 400 |
| Shooting Mode | | | | ISO Settings | | | | | | | | | | | | | | | | | | | | | |
| | | Without Flash | With Flash | | | | | | | | | | | | | | | | | | | | | | |
| Auto, Flash OFF, Creative Auto, Portrait, Macro, Sports | | ISO 100–6400 | ISO 400 ^{*2*3} (excluding Auto, Children, Night Portrait, Handheld Night Scene) | | | | | | | | | | | | | | | | | | | | | | |
| Landscape | | ISO 100–1600 | | | | | | | | | | | | | | | | | | | | | | | |
| Scene | Children, Food, Candlelight, Night Portrait, HDR Backlight Control | ISO 100–6400 | | | | | | | | | | | | | | | | | | | | | | | |
| | Handheld Night Scene | ISO 100–12800 | | | | | | | | | | | | | | | | | | | | | | | |
| P, TV, Av, M ^{*1} | | ISO 100–6400 ^{*1} | | | | | | | | | | | | | | | | | | | | | | | |
| With flash | | ISO 400 | | | | | | | | | | | | | | | | | | | | | | | |

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| | <p>*2: If fill-flash will result in overexposure, the ISO speed can be set to ISO 100 at the maximum.</p> <p>*3: If you use bounce flash with an external Speedlite in the Creative Auto, Portrait, Landscape, Macro, Sports, Food, or P mode, the ISO speed is set automatically within ISO 400–ISO 1600 (or up to the maximum limit) to match the brightness.</p> |
| Exposure Compensation | <p>(1) Manual: ± 5 stops in 1/3- or 1/2-stop increments</p> <p>(2) AEB: ± 2 stops in 1/3- or 1/2-stop increments</p> <ul style="list-style-type: none"> * If the exposure compensation exceeds ± 2 stops, the left or right icon appears in the viewfinder. * Manual exposure compensation and AEB can be set in combination. * AEB is set in the following sequence: Standard exposure, decreased exposure, and increased exposure. * If AEB is used with the self-timer, the three bracketed shots will be taken in succession after the 10-sec. or 2-sec. delay. |
| AE Lock | <p>(1) Auto AE lock</p> <ul style="list-style-type: none"> * In the One-Shot AF mode with evaluative metering, AE lock takes effect when focus is achieved. <p>(2) Manual AE lock</p> <ul style="list-style-type: none"> * In the P, Tv, Av, and M modes, enabled with the AE lock button (Press again to update.) * Enabled in all metering modes. |
| Shutter | |
| Type | <p>Vertical-travel, mechanical, focal-plane shutter with all speeds electronically-controlled</p> <ul style="list-style-type: none"> * Electronic 1st curtain and mechanical 2nd curtain |
| Shutter Speeds | <p>1/4000 to 30 sec., Bulb (total shutter speed range)</p> <p>X-sync at 1/200 sec.</p> |
| Shutter Release | Soft-touch electromagnetic release |
| Self-Timer | 10-sec. or 2-sec. Delay |
| Shutter-release time lag | <ol style="list-style-type: none"> 1) With SW-1 ON, time lag from SW-2 ON to the start of exposure: Approx. 0.075 sec. <ul style="list-style-type: none"> * Approx. 0.100 sec. for silent shooting; approx. 0.250 sec. with flash 2) Time lag between simultaneous SW-1/SW-2 ON and the start of exposure: Approx. 0.240 sec. <ul style="list-style-type: none"> * Time lag with the aperture stopped down by 3 stops or less (Excludes AF operation time). * Approx. 0.265 sec. for silent shooting |
| External Speedlite Flash | |
| Compatible Speedlites | EX-series Speedlites |
| Flash Metering | E-TTL II autoflash (evaluative flash metering and average flash metering), FE lock |
| Flash Exposure Compensation | ± 2 stops in 1/3- or 1/2-stop increments |
| FE Lock | Provided |
| PC Terminal | Not Provided |
| External Speedlite Menu Setting Control | <p>(1) External flash function setting</p> <ul style="list-style-type: none"> * Flash firing, E-TTL II auto flash system, flash mode, wireless master, zoom, sync setting, flash exposure compensation, FEB, and clear setting. * With the 600EX-RT, radio wireless transmission control is possible. <p>(2) External flash C.Fn setting</p> <ul style="list-style-type: none"> * The actual setting options for (1) and (2) will differ depending on the Speedlite used. |

| Drive System | |
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| Drive Modes | <p>(1) Single shooting</p> <p>(2) Continuous shooting Max. approx. 5.0 fps * At 1/ 500 sec. or faster shutter speed, and at the maximum aperture (varies depending on the lens).</p> <p>(3) Silent single shooting</p> <p>(4) Silent continuous shooting Max. approx. 3.0 fps</p> <p>(5) 10-sec. self-timer / remote control</p> <p>(6) 2-sec. self-timer</p> <p>(7) Continuous shooting after 10-sec. self-timer (2 to 10 shots)</p> |
| Continuous Shooting Speed (Up to approx.) | High-speed continuous shooting: Max. approx. 5.0 fps |
| Maximum Burst | <p>Number of Shots Based on 8GB memory Card:</p> <p>JPEG Large/Fine: Approx. 180 (Full)</p> <p>JPEG Large/Norma: Approx. 1810 (Full)</p> <p>JPEG Medium/Fine: Approx. 1770 (Full)</p> <p>JPEG Medium/Normal: Approx. 3500 (Full)</p> <p>JPEG S1/Fine: Approx. 2830 (Full)</p> <p>JPEG S1/Normal: Approx. 5320 (Full)</p> <p>JPEG S2: Approx. 5320 (Full)</p> <p>JPEG S3: Approx. 20180 (Full)</p> <p>RAW: Approx. 7 Shots</p> <p>RAW+JPEG Large/Fine: 6 Shots</p> <p>Number of Shots Based on 8GB UHS-I memory card:</p> <p>JPEG Large/Fine: Approx. 940 (Full)</p> <p>JPEG Large/Norma: Approx. 1810 (Full)</p> <p>JPEG Medium/Fine: Approx. 1770 (Full)</p> <p>JPEG Medium/Normal: Approx. 3500 (Full)</p> <p>JPEG S1/Fine: Approx. 2830 (Full)</p> <p>JPEG S1/Normal: Approx. 5320 (Full)</p> <p>JPEG S2: Approx. 5320 (Full)</p> <p>JPEG S3: Approx. 20180 (Full)</p> <p>RAW: Approx. 8 Shots</p> <p>RAW+JPEG Large/Fine: 6 Shots</p> <p>* The number of possible shots and maximum burst are those obtained with the 8 GB card of Canon's testing standards.</p> <p>* The file size, number of possible shots, and maximum burst differ depending on shooting conditions (aspect ratio of 3:2, subject, memory card brand, ISO speed, Picture Style, etc.).</p> <p>* Figures appended with a "Full" indicate that continuous shooting is possible until the card</p> |

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| | becomes full. |
| Live View Functions | |
| Shooting Modes | Still photo shooting and video shooting |
| Focusing | (1) Hybrid CMOS AF III * Covers approx. 80% (width) x 80% (height) of the image area. (2) Manual focus * Manual focusing by enlarging images by approx. five to ten times |
| Metering Modes | Real-time evaluative metering with image sensor. (1) Evaluative metering (315 zones) (2) Partial metering (approx. 10.0 % of Live View screen) (3) Spot metering (approx. 2.7 % of Live View screen) (4) Center-weighted average metering * AE lock possible. The active metering time can be changed. |
| Metering Range | EV 0 – 20 (at 73°F/23°C at ISO 100); EV 0 – 18 (with Hybrid CMOS AF III at 73°F/23°C at ISO 100) |
| Grid Display | (1) 3x3 (2) 6x4 |
| Exposure Simulation | Provided |
| Silent Shooting | Not Provided |
| Video Shooting | |
| File Format | MP4: Movie: MPEG-4 AVC / H.264 * Variable (average) bit rate Audio: AAC MOV: MOV format movie cannot be shot. (playback is possible) |
| File Size | Recording Size: [Full HD] Standard: 1920 x 1080 (30 fps/25 fps/24 fps): 216 MB/min. Lightweight: 1920 x 1080 (30 fps/25 fps): 87 MB/min. [HD] Standard: 1280 x 720 (60 fps/50 fps): 187 MB/min. Lightweight: 1280 x 720 (30 fps/25 fps): 30 MB/min. [SD] Standard: 640 x 480 (30 fps/ 25 fps): 66 MB/min. Lightweight: 640 x 480 (30 fps/ 25 fps): 23 MB/min. * If the recording time reaches 29 min. 59 sec., the movie shooting stops automatically. * The file size is 4 GB, and shooting does not stop automatically. |
| Frame Rates | 1920 x 1080 (Full HD): 30p (29.97) / 25p / 24p (23.976) 1280 x 720 (HD): 60p (59.94) / 50p |

| | 640 x 480 (SD): 30p (29.97) / 25p | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------|--|-------------|----------------------|---------------|----------------|-----------|--|--|----------------------|--|--|----------------------|--|--|-----------|-----|-----|------|-------------|-------------------------|----------|---------|---------|---------------|-----|-------------------------|-------------|---------|---------------|---------------|----|------------|----------------|----------|---------|---------|---------------|-----|----------------|-------------|--------------|---------------|---------------|----|-----------|----------------|----------|---------|---------------|--------------|----|----------------|-------------|---------------|---------------|----------------|----|
| ISO Range | <ul style="list-style-type: none"> • Auto ISO range: ISO 100–6400 • Manual ISO range: ISO 100–12800 (expanded to ISO 25600) <p>* If highlight tone priority is set, automatically set within ISO 200–12800.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Shooting Time | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="7" style="background-color: #e0e0e0;">MP4 Format</th> </tr> <tr> <th colspan="3" rowspan="2">Video Recording Size</th> <th colspan="3">Total Recording Time</th> <th rowspan="2">File Size</th> </tr> <tr> <th>4GB</th> <th>8GB</th> <th>16GB</th> </tr> </thead> <tbody> <tr> <td rowspan="2" style="text-align: center;">1920 x 1080</td> <td style="text-align: center;">30fps 25fps 24fps</td> <td style="text-align: center;">Standard</td> <td style="text-align: center;">17 min.</td> <td style="text-align: center;">35 min.</td> <td style="text-align: center;">1 hr. 10 min.</td> <td style="text-align: center;">216</td> </tr> <tr> <td style="text-align: center;">30fps 25fps 24fps</td> <td style="text-align: center;">Lightweight</td> <td style="text-align: center;">43 min.</td> <td style="text-align: center;">1 hr. 26 min.</td> <td style="text-align: center;">2 hr. 53 min.</td> <td style="text-align: center;">87</td> </tr> <tr> <td rowspan="2" style="text-align: center;">1280 x 720</td> <td style="text-align: center;">60fps 50fps</td> <td style="text-align: center;">Standard</td> <td style="text-align: center;">20 min.</td> <td style="text-align: center;">40 min.</td> <td style="text-align: center;">1 hr. 21 min.</td> <td style="text-align: center;">187</td> </tr> <tr> <td style="text-align: center;">60fps 50fps</td> <td style="text-align: center;">Lightweight</td> <td style="text-align: center;">2 hr. 5 min.</td> <td style="text-align: center;">4 hr. 10 min.</td> <td style="text-align: center;">8 hr. 20 min.</td> <td style="text-align: center;">30</td> </tr> <tr> <td rowspan="2" style="text-align: center;">640 x 480</td> <td style="text-align: center;">30fps 25fps</td> <td style="text-align: center;">Standard</td> <td style="text-align: center;">57 min.</td> <td style="text-align: center;">1 hr. 55 min.</td> <td style="text-align: center;">3 hr. 50min.</td> <td style="text-align: center;">66</td> </tr> <tr> <td style="text-align: center;">30fps 25fps</td> <td style="text-align: center;">Lightweight</td> <td style="text-align: center;">2 hr. 43 min.</td> <td style="text-align: center;">5 hr. 26 min.</td> <td style="text-align: center;">10 hr. 53 min.</td> <td style="text-align: center;">23</td> </tr> </tbody> </table> <p>* If recording time reaches 29 min. 59 sec., movie shooting stops automatically.</p> <p>* See Frame Rates section for actual frame rates</p> | MP4 Format | | | | | | | Video Recording Size | | | Total Recording Time | | | File Size | 4GB | 8GB | 16GB | 1920 x 1080 | 30fps 25fps 24fps | Standard | 17 min. | 35 min. | 1 hr. 10 min. | 216 | 30fps 25fps 24fps | Lightweight | 43 min. | 1 hr. 26 min. | 2 hr. 53 min. | 87 | 1280 x 720 | 60fps 50fps | Standard | 20 min. | 40 min. | 1 hr. 21 min. | 187 | 60fps 50fps | Lightweight | 2 hr. 5 min. | 4 hr. 10 min. | 8 hr. 20 min. | 30 | 640 x 480 | 30fps 25fps | Standard | 57 min. | 1 hr. 55 min. | 3 hr. 50min. | 66 | 30fps 25fps | Lightweight | 2 hr. 43 min. | 5 hr. 26 min. | 10 hr. 53 min. | 23 |
| MP4 Format | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Video Recording Size | | | Total Recording Time | | | File Size | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 4GB | 8GB | 16GB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1920 x 1080 | 30fps 25fps 24fps | Standard | 17 min. | 35 min. | 1 hr. 10 min. | 216 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 30fps 25fps 24fps | Lightweight | 43 min. | 1 hr. 26 min. | 2 hr. 53 min. | 87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1280 x 720 | 60fps 50fps | Standard | 20 min. | 40 min. | 1 hr. 21 min. | 187 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 60fps 50fps | Lightweight | 2 hr. 5 min. | 4 hr. 10 min. | 8 hr. 20 min. | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 640 x 480 | 30fps 25fps | Standard | 57 min. | 1 hr. 55 min. | 3 hr. 50min. | 66 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 30fps 25fps | Lightweight | 2 hr. 43 min. | 5 hr. 26 min. | 10 hr. 53 min. | 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Focusing | <p>(1) Hybrid CMOS AF III</p> <p>* Covers approx. 80% (width) x 80% (height) of the screen area.</p> <p>(2) Manual focus</p> <p>* Magnify the image by approx. 5x or approx. 10x and focus manually.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Range | 8 bit, 0 – 255 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Exposure Control | <p>(1) Program AE for movie shooting</p> <ul style="list-style-type: none"> * In Basic Zone modes, P, Av, and Tv modes * Shutter speed 1/30 – 1/4000 sec. (Signal accumulation time), aperture, and ISO speed automatically set. <p>(2) Manual exposure</p> <ul style="list-style-type: none"> * Shutter speed (signal accumulation time), aperture, and ISO speed (auto/manual) manually set. The shutter speed (signal accumulation time) is limited to 1/4000 sec. at the maximum and to 1/30 sec. at the minimum for 24/25/30 fps or 1/60 sec. or higher for 50/60 fps. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Exposure Compensation | <p>Provided (± 3 stops in 1/3-stop or 1/2-stop increments)</p> <ul style="list-style-type: none"> * For movies, exposure compensation will not be applied beyond ± 3 stops even if the exposure compensation has been set beyond ± 3 stops. * For still photo shooting, the exposure compensation can be set and applied up to ± 5 stops. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LCD Monitor | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Type | TFT color, liquid-crystal monitor with Touch Panel LCD (capacitive type) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Monitor Size | Wide 3.0-inch (Screen aspect ratio of 3:2) 7.7cm diagonal (6.37cm wide, 4.25cm high) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pixels | Approx. 1,040,000 dots | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | |
|--|--|
| Coverage | Approx. 100% |
| Brightness Control | Adjustable to one of seven levels |
| Coating | Anti-smudge coating |
| Interface Languages | 25 (English, German, French, Dutch, Danish, Portuguese, Finnish, Italian, Norwegian, Swedish, Spanish, Greek, Russian, Polish, Czech, Hungarian, Romanian, Ukrainian, Turkish, Arabic, Thai, Simplified/Traditional Chinese, Korean, Japanese) |
| Playback | |
| Display Format | <ul style="list-style-type: none"> • Single image display <ul style="list-style-type: none"> ○ Single image, basic information, detailed information, histogram • Index display <ul style="list-style-type: none"> ○ 4/9/36/100 images • Jump display <ul style="list-style-type: none"> ○ 1/10/100 images, by date, by folder, movies only, stills only, by rating |
| Highlight Alert | On the detailed information and histogram displays, highlight areas with no image data will blink |
| Histogram | Brightness / RGB |
| Image Protection & Erase | |
| Protection | Erase protection can be applied/canceled for a single image, all images in a folder, or all images on the card |
| Erase | Erase single image, erase selected images, erase all images in folder, erase all images on a card, or erase only unprotected images |
| Direct Printing | |
| Compatible Printers | PictBridge-compatible printers |
| Printable Images | RAW, JPEG, and RAW+JPEG images complying to Design rule for Camera File System * Movies cannot be printed. |
| Digital Print Order Format | |
| DPOF System | Complies to DPOF Version 1.1 |
| Direct Image Transfer | |
| Compatible Images | Not Provided |
| Customization | |
| Custom Functions | 13 Custom Functions with 39 settings settable with the camera |
| Custom Controls (camera controls/buttons customization) | Not provided |
| My Menu Registration | Up to six items from top-tier menu options and Custom Function settings can be registered |
| Interface | |
| Digital Terminal | <ul style="list-style-type: none"> • For personal computer communication and PictBridge (Hi-Speed USB) • Audio (stereo)/video (NTSC/PAL) output • To connect a GP-E2 GPS Receiver |
| HDMI mini OUT terminal | Type C (Switches automatically to suit the resolution) Video output: 1080/60i, 1080/50i, 480/60p, 576/50p * Switches automatically to 1, 2, 3, or 4 to suit the TV |
| External microphone IN terminal | 3.5mm diameter stereo mini-jack |
| Remote Control Terminal | Compatible with Remote Switch RS-60E3 |
| Wireless remote control | Compatible with Remote Controller RC-6 |

| Power Source | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|--|----------------|----------------|----------------|-----------------|-------------|----------------|--|---------|----------------|---------------------|-------------|-----|-----|------------|-----|-----|--------------------|-------------|-----|-----|------------|-----|-----|-----------------|--------------|-------------|----------------|--|---------|----------------|---------------------|-----------|-------------|------|-----|------------|-----|-----|--------------------|-----------|-------------|-----|-----|------------|-----|-----|
| Battery | Battery Pack LP-E17 x 1 * With the AC Adapter Kit ACK-E18, AC power is possible. * With Battery Grip BG-E18, it is possible to use two Battery Pack LP-E17 units. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Battery Life | (1) Camera Body Only, LP-E17 x1 <table border="1" data-bbox="521 352 1528 621"> <thead> <tr> <th rowspan="2">Shooting Method</th> <th rowspan="2">Temperature</th> <th colspan="2">Possible Shots</th> </tr> <tr> <th>AE 100%</th> <th>AE 50%, FA 50%</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Viewfinder Shooting</td> <td>73°F / 23°C</td> <td>550</td> <td>440</td> </tr> <tr> <td>32°F / 0°C</td> <td>470</td> <td>400</td> </tr> <tr> <td rowspan="2">Live View Shooting</td> <td>73°F / 23°C</td> <td>200</td> <td>180</td> </tr> <tr> <td>32°F / 0°C</td> <td>170</td> <td>150</td> </tr> </tbody> </table> (2) Using Battery Grip BG-E18 <table border="1" data-bbox="521 705 1528 974"> <thead> <tr> <th rowspan="2">Shooting Method</th> <th rowspan="2">Power Source</th> <th rowspan="2">Temperature</th> <th colspan="2">Possible Shots</th> </tr> <tr> <th>AE 100%</th> <th>AE 50%, FA 50%</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Viewfinder Shooting</td> <td rowspan="2">LP-E17 x2</td> <td>73°F / 23°C</td> <td>1100</td> <td>880</td> </tr> <tr> <td>32°F / 0°C</td> <td>940</td> <td>800</td> </tr> <tr> <td rowspan="2">Live View Shooting</td> <td rowspan="2">LP-E17 x2</td> <td>73°F / 23°C</td> <td>400</td> <td>360</td> </tr> <tr> <td>32°F / 0°C</td> <td>340</td> <td>300</td> </tr> </tbody> </table> Based on CIPA testing standards | | | | Shooting Method | Temperature | Possible Shots | | AE 100% | AE 50%, FA 50% | Viewfinder Shooting | 73°F / 23°C | 550 | 440 | 32°F / 0°C | 470 | 400 | Live View Shooting | 73°F / 23°C | 200 | 180 | 32°F / 0°C | 170 | 150 | Shooting Method | Power Source | Temperature | Possible Shots | | AE 100% | AE 50%, FA 50% | Viewfinder Shooting | LP-E17 x2 | 73°F / 23°C | 1100 | 880 | 32°F / 0°C | 940 | 800 | Live View Shooting | LP-E17 x2 | 73°F / 23°C | 400 | 360 | 32°F / 0°C | 340 | 300 |
| Shooting Method | Temperature | Possible Shots | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | AE 100% | AE 50%, FA 50% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Viewfinder Shooting | 73°F / 23°C | 550 | 440 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 32°F / 0°C | 470 | 400 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Live View Shooting | 73°F / 23°C | 200 | 180 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 32°F / 0°C | 170 | 150 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Shooting Method | Power Source | Temperature | Possible Shots | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | AE 100% | AE 50%, FA 50% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Viewfinder Shooting | LP-E17 x2 | 73°F / 23°C | 1100 | 880 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 32°F / 0°C | 940 | 800 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Live View Shooting | LP-E17 x2 | 73°F / 23°C | 400 | 360 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 32°F / 0°C | 340 | 300 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Battery Check | Automatic battery level check when power is turned ON Battery level indicated in one of four levels on LCD monitor | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Power Saving | Power turns off after the set time of non-operation elapses * [Auto power off] settable to 30 sec., 1 min., 2 min., 4 min., 8 min., 15 min., or disable | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Date/Time Battery | Built-in secondary battery It is not replaceable by the user. It recharges when battery pack is loaded or when the AC adapter is connected. Without any recharging, the backup battery can maintain the date/time for approx. 3 months. The backup battery takes approx. 8 hours to be fully recharged. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Startup Time | Approx. 0.18 sec. (Based on CIPA testing standards) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dimensions & Weight | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dimensions (W x H x D) | Approx. 5.20 x 3.97 x 3.07 in. Approx. 131.9 x 100.7 x 77.8mm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Weight | Approx. 19.58 oz. / 555g (CIPA standard) Approx. 17.99 oz. / 510g (Body only) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operation Environment | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Working Temperature Range | 32–104°F / 0–40°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Working Humidity Range | 85% or less | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

[Supplies & Accessories]

Battery Pack LP-E17

Battery Charger LC-E17

AC Adapter Kit ACK-E18

Interface Cable IFC-200U/500U

Stereo AV Cable AVC-DC400ST

HDMI Cable HTC-100

GPS Receiver GP-E2

Eyecup Ef

Rubber Frame Ef

Dioptric Adjustment Lens E-Series

Eyepiece Extender EP-EX15 II

Magnifier MG-Ef

Angle Finder C

Remote Controller RC-6

Remote Switch RS-60E3

Semi Hard Case EH27-L
