

Specifications

Type	
Type	Digital AF/AE single-lens reflex camera
Image Processor	DIGIC 8
Recording Media	SD/SDHC/SDXC memory cards <ul style="list-style-type: none"> • SD speed class-compatible • UHS-I compatible • High-speed writing is supported when a UHS-I compatible SD card is used • Eye-Fi card is not supported • Multimedia cards (MMC) cannot be used (card error will be displayed)
Image Format	Approx. 22.3 x 14.9mm (APS-C Size)
Compatible Lenses	Canon EF lenses (including EF-S lenses, excluding EF-M lenses)
Lens Mount	Canon EF mount
Image Sensor	
Type	CMOS sensor (supporting Dual Pixel CMOS AF)
Pixels	Effective pixels: Approx. 24.1* Megapixels Total pixels: Approx. 25.8* Megapixels <small>* Rounded to the nearest 100,000.</small>
Pixel Unit	Approx. 3.72 μm square
Aspect Ratio	3:2 (Horizontal:Vertical)
Color Filter System	RGB primary color filters
Low Pass Filter	Installed in front of the image sensor, non-detachable
Dust Deletion Feature	(1) Self Cleaning Sensor Unit <ul style="list-style-type: none"> • Removes dust adhering to the low-pass filter. • Self-cleaning activated automatically (in-progress display for approx. 2 sec.) when power is turned on or off. Manual operation also possible (in-progress display for approx. 8 sec.). • After the cleaning is performed, the camera will automatically restart (power OFF to ON). (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 compatible versions of Canon's Digital Photo Professional software to automatically erase the dust spots. (3) Manual cleaning
Recording System	

Recording Format	Compliant to Design rule for Camera File system 2.0 and EXIF 2.31
File Size	<p>3:2 Aspect Ratio Large: 24 Megapixels (6000 x 4000) Medium: Approx. 10.6 Megapixels (3984 x 2656) Small 1: Approx. 5.9 Megapixels (2976 x 1984) Small 2: Approx. 3.8 Megapixels (2400 x 1600) RAW / C-RAW: Approx. 24 Megapixels (6000 x 4000)</p> <p>4:3 Aspect Ratio Large: Approx. 21.3 Megapixels (5328 x 4000) Medium: Approx. 9.5 Megapixels (3552 x 2664) Small 1: Approx. 5.3 Megapixels (2656 x 1992) Small 2: Approx. 3.4 Megapixels (2112 x 1600) RAW / C-RAW: Approx. 24 Megapixels (6000 x 4000)</p> <p>16:9 Aspect Ratio Large: Approx. 20.2 Megapixels (6000 x 3368) Medium: Approx. 8.9 Megapixels (3984 x 2240) Small 1: Approx. 5.0 Megapixels (2976 x 1680) Small 2: Approx. 3.2 Megapixels (2400 x 1344) RAW / C-RAW: Approx. 24 Megapixels (6000 x 4000)</p> <p>1:1 Aspect Ratio Large: Approx. 16 Megapixels (4000 x 4000) Medium: Approx. 7.1 Megapixels (2656 x 2656) Small 1: Approx. 3.9 Megapixels (1984 x 1984) Small 2: Approx. 2.6 Megapixels (1600 x 1600) RAW / C-RAW: Approx. 24 Megapixels (6000 x 4000)</p>
File Numbering	<p>The following three types of file numbering method can be set:</p> <p>(1) File numbering method</p> <p>Continuous numbering</p> <ul style="list-style-type: none"> • The numbering of captured images will continue even after you replace the camera's card. <p>Auto reset</p> <ul style="list-style-type: none"> • 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>(2) Manual reset</p> <ul style="list-style-type: none"> • Resets the file number to 0001, and creates a new folder automatically.
RAW + JPEG Simultaneous Recording	Simultaneous recording of RAW or C-RAW plus Large/Fine JPEG is supported.
Color Space	sRGB/Adobe RGB

Picture Style	<ul style="list-style-type: none"> (1) Auto (2) Standard (3) Portrait (4) Landscape (5) Fine Detail (6) Neutral (7) Faithful (8) Monochrome (9) User Def. 1–3 <ul style="list-style-type: none"> • In Basic Zone modes, [Auto] will be set for <Fish-eye effect> and <HDR art standard> of the <Creative filters> mode, and [Standard] will be set for other modes. • In Creative Zone modes, you can select or set any Picture Style. • [Auto] is the default setting for [User Def. 1–3]. Any Picture Style can be selected, modified, and saved to any User-defined setting.
White Balance	
Settings	<ul style="list-style-type: none"> (1) Auto (Ambience priority / White priority) (2) Daylight (3) Shade (4) Cloudy* (5) Tungsten light (6) White fluorescent light (7) Flash (8) Custom (Custom WB) (9) Color temperature (K) (Manually adjustable between 2000 – 10000K) <p>* Effective also in twilight and sunset.</p>
Auto White Balance	Option between ambience priority and white priority settings
White Balance Shift	<ul style="list-style-type: none"> Blue/amber bias: ±9 levels Magenta/green bias: ±9 levels <ul style="list-style-type: none"> • Corrected in reference to the current WB mode's color temperature.
Viewfinder	
Type	Eye-level optical viewfinder (with fixed pentamirror)
Coverage	At approx. 19mm eye-point Vertical / Horizontal — approx. 95% (With 50mm f/1.8 STM lens; Large/Fine JPEG image, 3:2 aspect ratio)
Magnification	Approx. 0.82x/23.2° (with 50mm lens at infinity, -1m ⁻¹)
Eye Point	Approx. 19mm (at -1m ⁻¹ from the eyepiece lens center)
Dioptric Adjustment Correction	Adjustable from approx. -3.0 to +1.0m ⁺¹ (dpt)
Focusing Screen	Fixed
Mirror	Quick-return all-surface half mirror
Viewfinder Information	<ul style="list-style-type: none"> Displayed with transparent liquid crystal (1) AF point information <ul style="list-style-type: none"> • Including Area AF frame (2) Spot metering circle (3) Electronic level (4) Grid (5) Aspect line (6) Flicker detection
Depth of Field Preview	Provided with depth of field preview button
Autofocus (During optical viewfinder still photo shooting)	

Type	TTL secondary image-forming phase-difference detection system with AF-dedicated sensor								
AF Points	<p>Up to 45 points (cross-type AF points: max. 45)</p> <table border="1" data-bbox="456 212 1224 443"> <thead> <tr> <th data-bbox="456 212 841 264">AF Points and AF Patterns</th> <th data-bbox="841 212 1224 264">AF Points (max.)</th> </tr> </thead> <tbody> <tr> <td data-bbox="456 264 841 327">Dual cross-type AF points supporting f/2.8 and f/5.6</td> <td data-bbox="841 264 1224 327">1</td> </tr> <tr> <td data-bbox="456 327 841 380">Cross-type AF points supporting f/5.6</td> <td data-bbox="841 327 1224 380">45</td> </tr> <tr> <td data-bbox="456 380 841 443">AF points supporting f/8</td> <td data-bbox="841 380 1224 443">27 (Cross-type AF point 9)</td> </tr> </tbody> </table> <ul data-bbox="456 474 1484 590" style="list-style-type: none"> • The number of AF points, cross-type AF points, dual cross-type AF points and f/8 AF support varies depending on the lens used. • Note that, with aspect ratio of 1:1, the maximum number of AF points becomes 35. (Each left and right end line of AF points in total of ten are not usable.) 	AF Points and AF Patterns	AF Points (max.)	Dual cross-type AF points supporting f/2.8 and f/5.6	1	Cross-type AF points supporting f/5.6	45	AF points supporting f/8	27 (Cross-type AF point 9)
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AF Working Range	<p>Conditions: One-Shot AF, at 73°F/23°C, ISO 100 (based on Canon's testing standards and environment)</p> <table border="1" data-bbox="456 705 1224 936"> <thead> <tr> <th data-bbox="456 705 841 758">AF Point</th> <th data-bbox="841 705 1224 758">Brightness</th> </tr> </thead> <tbody> <tr> <td data-bbox="456 758 841 821">One center AF point focusing supporting f/2.8</td> <td data-bbox="841 758 1224 821">EV -3 to 18</td> </tr> <tr> <td data-bbox="456 821 841 884">One center AF point focusing supporting f/5.6</td> <td data-bbox="841 821 1224 884">EV -1 to 18</td> </tr> <tr> <td data-bbox="456 884 841 936">Peripheral AF points focusing supporting f/5.6</td> <td data-bbox="841 884 1224 936">EV -0.5 to 18</td> </tr> </tbody> </table>	AF Point	Brightness	One center AF point focusing supporting f/2.8	EV -3 to 18	One center AF point focusing supporting f/5.6	EV -1 to 18	Peripheral AF points focusing supporting f/5.6	EV -0.5 to 18
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Focusing Modes	<p>(1) Autofocus</p> <ol data-bbox="513 995 672 1079" style="list-style-type: none"> One-Shot AF AI Servo AF AI Focus AF <ul data-bbox="548 1087 1211 1115" style="list-style-type: none"> • Switches between One-Shot AF and AI Servo AF automatically. <p>(2) Manual focus</p>								
AF Area Selection	<p>(1) Single-point AF (Manual selection)</p> <ul data-bbox="513 1199 1062 1226" style="list-style-type: none"> • The check mark cannot be removed from this option. <p>(2) Zone AF (Manual selection of zone)</p> <ul data-bbox="513 1262 1062 1289" style="list-style-type: none"> • All the AF points are divided into nine focusing zones. <p>(3) Large Zone AF (Manual selection of zone)</p> <ul data-bbox="513 1325 1078 1352" style="list-style-type: none"> • All the AF points are divided into three focusing zones. <p>(4) Automatic selection AF (45 points)</p>								
Automatic AF Point Selection: EOS iTR AF	<p>EOS iTR AF (face Priority) : Gives greater priority to people's faces when AF points are selected automatically.</p> <p>With One-Shot AF:</p> <ul data-bbox="513 1493 1484 1583" style="list-style-type: none"> • Faces of people in the AF area take precedence, and when no faces are detected, the camera focuses on the closest subject. • When an AF-assist beam fires, AF points are selected automatically using only AF information. <p>With AI Servo AF:</p> <ul data-bbox="513 1619 1484 1803" style="list-style-type: none"> • AF points are selected automatically in the AF area to keep tracking the face in focus. • When no faces are detected, AF points are selected in the AF to keep tracking the same color with the focused subject. • If a face is detected when tracking the subject other than the face, the focusing point may switch to the detected face. 								

AF Assist Beam	<p>Intermittent firing of built-in flash Effective range</p> <table border="1" data-bbox="456 201 1224 298"> <tr> <td data-bbox="456 201 841 247">Center</td> <td data-bbox="841 201 1224 247">Approx. 13.1 ft. / 4.0m</td> </tr> <tr> <td data-bbox="456 247 841 298">Periphery</td> <td data-bbox="841 247 1224 298">Approx. 11.5 ft. / 3.5m</td> </tr> </table> <p>• With an EOS-dedicated Speedlite attached, the Speedlite's AF-assist beam is emitted instead.</p>	Center	Approx. 13.1 ft. / 4.0m	Periphery	Approx. 11.5 ft. / 3.5m
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Periphery	Approx. 11.5 ft. / 3.5m				
Exposure Control					
Metering Mode	<p>220,000-pixel RGB+IR metering sensor 216-zone (18 x 12) metering optical viewfinder (1) Evaluative metering (linked to all AF points) (2) Partial metering (center, approx. 6.5% of viewfinder) (3) Spot metering (center, approx. 2.0% of viewfinder) (4) Center-weighted average metering</p>				
Metering Range	<p>EV 1–20 (room temperature, ISO 100, evaluative metering)</p>				
Exposure Control Systems	<p>(1) Creative Zone 1) Program AE (shiftable) 2) Shutter-priority AE 3) Aperture-priority AE 4) Manual exposure (including bulb)</p> <p>(2) Basic Zone 1) Scene Intelligent Auto (Program AE / non-shiftable) 2) Special Scene (SCN) a. Portrait b. Smooth skin c. Group Photo d. Landscape e. Close-up f. Sports g. Kids h. Food i. Candlelight j. Night Portrait k. Handheld Night Scene (Takes 4 quick shots; processed in-camera into one finished JPEG image) l. HDR Backlight Control (Takes 3 quick shots; processed in-camera into one finished JPEG image)</p> <p>3) Creative Filters i. Grainy B/W ii. Soft Focus iii. Fish-eye Effect iv. Water Painting Effect v. Toy Camera Effect vi. Miniature Effect vii. HDR Art Standard viii. HDR Art Vivid ix. HDR Art Bold x. HDR Art Embossed</p>				

ISO Speed Range	Manual Setting			
	Normal ISO Speed	ISO 100–25600 (in 1/3-stop increments)		
	Expanded ISO Speed	ISO 51200		
	<ul style="list-style-type: none"> • For [Highlight tone priority], the settable ISO speed range will be ISO 200–25600. 			
	Auto ISO Speed Settings			
	Shooting Mode	ISO Settings		
		No Flash	Flash (built-in) ¹	Flash (external) ¹
	Scene Intelligent Auto, Creative Auto	ISO 100–25600	ISO 400–3200	ISO 400–1600
	Flash Off	ISO 100–25600	–	–
	* ¹ If fill-in flash will cause overexposure, ISO 100 or a higher ISO will be set.			
Exposure Compensation	Manual	±5 stops in 1/3- or 1/2-stop increments *		
	AEB	±3 stops in 1/3- or 1/2-stop increments		
	<ul style="list-style-type: none"> * Up to ±2 stops, indicated in the viewfinder. * Up to ±3 stops when [Shooting screen: Guided] is set. 			
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) User-applied 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.) • Possible with all metering modes. 			
Shutter				
Type	<p>Vertical-travel, mechanical, focal-plane shutter with all speeds electronically-controlled</p> <ul style="list-style-type: none"> • Viewfinder shooting — Mechanical 1st and 2nd curtain • Live View shooting — Electronic 1st curtain/Mechanical 2nd curtain • Live View with flash: equivalent to Viewfinder shooting 			
Shutter Speed	<p>1/4000 to 30 sec., bulb (total shutter speed range. Available range varies by shooting mode.) X-sync at 1/200 sec. Creative Zone: 1/4000-30 sec., bulb Basic Zone: 1/4000-1 sec.</p>			
Self Timer	10-sec. delay, 2-sec. delay			
Shutter Lag Time	<p>(1) With shutter button half-pressed — time between fully pressed and start of exposure: approx. 0.070 sec. (2) Time lag when shutter button fully pressed without initially being pressed half-way: approx. 0.250 sec.</p> <ul style="list-style-type: none"> • Time lag with the aperture stopped down by 3 stops or less from the open aperture. Excludes AF operation time. 			
External Speedlite				
Flash Metering	E-TTL II autoflash (Evaluative- face priority, Evaluative, Average), FE Lock			
Flash Exposure Compensation	±2 stops in 1/3- or 1/2-stop increments (when set on camera body)			
FE Lock	Provided			
Continuous Shooting Priority (CSP) Mode	Supported (with accessory Canon Speedlites only)			

External Flash Menu Settings	<p>(1) External flash control Menu</p> <ul style="list-style-type: none"> Flash firing, E-TTL II metering, Flash mode, Wireless functions, Flash zoom, Shutter synchronization, Flash exposure compensation, Flash exposure bracketing and Clear settings. The radio wireless flash functions can be set from the camera. <p>(2) External flash Custom Function setting</p> <ul style="list-style-type: none"> The setting options for both (1) and (2) will differ depending on the Speedlite used. 																																																
Drive System																																																	
Drive Modes and Continuous Shooting Speed during Viewfinder Shooting	<p>(1) Single shooting</p> <p>(2) High-speed continuous shooting</p> <ul style="list-style-type: none"> Max. approx. 7.0 fps. (Viewfinder Shooting) Max. approx. 7.5 fps. (Live View Shooting) Maximum continuous shooting speed with 1/1000 sec. or faster shutter speed, maximum aperture (varies depending on the lens), Anti-flicker shooting set to Disable, with a fully-charged Battery Pack LP-E17 and at room temperature (73°F/23°C). <p>(3) Low-speed continuous shooting</p> <ul style="list-style-type: none"> Max. approx. 3.0 fps <p>(4) Self-timer: 10 sec. or 2 sec. delay (Remote Control possible with optional accessory Canon BR-E1 Remote Controller)</p> <p>(5) 2 sec. self-timer / remote control</p> <p>(6) Continuous shooting after 10-sec. self-timer (2 to 10 shots)</p>																																																
Maximum Burst: Image file sizes, number of shots, burst rates	<table border="1" data-bbox="456 842 1442 1199"> <thead> <tr> <th>Image-recording Quality</th> <th>Image File Size (approx. MB)</th> <th>Possible Shots (approx.)</th> <th>Maximum Burst (approx.)</th> </tr> </thead> <tbody> <tr> <td>Large (Fine)</td> <td>8.4</td> <td>3,600</td> <td>170</td> </tr> <tr> <td>Large (Normal)</td> <td>4.5</td> <td>6,610</td> <td>170</td> </tr> <tr> <td>Medium (Fine)</td> <td>4.6</td> <td>6,480</td> <td>167</td> </tr> <tr> <td>Medium (Normal)</td> <td>2.6</td> <td>11,400</td> <td>167</td> </tr> <tr> <td>Small 1 (Fine)</td> <td>3.1</td> <td>9,690</td> <td>163</td> </tr> <tr> <td>Small 1 (Normal)</td> <td>1.8</td> <td>16,010</td> <td>163</td> </tr> <tr> <td>Small 2</td> <td>1.8</td> <td>16,340</td> <td>164</td> </tr> <tr> <td>RAW</td> <td>27.2</td> <td>1,120</td> <td>40</td> </tr> <tr> <td>C-RAW</td> <td>15.8</td> <td>1,930</td> <td>75</td> </tr> <tr> <td>RAW + Large (Fine)</td> <td>35.6</td> <td>850</td> <td>35</td> </tr> <tr> <td>C-RAW + Large (Fine)</td> <td>24.2</td> <td>1,250</td> <td>57</td> </tr> </tbody> </table> <ul style="list-style-type: none"> The number of shots available and standard maximum burst in viewfinder shooting with a 32GB UHS-I card conforming to Canon testing standards. The file size, number of possible shots and maximum burst vary depending on shooting conditions (Aspect ratio of 3:2, subject, memory card brand, ISO speed, Picture Style, etc.) 	Image-recording Quality	Image File Size (approx. MB)	Possible Shots (approx.)	Maximum Burst (approx.)	Large (Fine)	8.4	3,600	170	Large (Normal)	4.5	6,610	170	Medium (Fine)	4.6	6,480	167	Medium (Normal)	2.6	11,400	167	Small 1 (Fine)	3.1	9,690	163	Small 1 (Normal)	1.8	16,010	163	Small 2	1.8	16,340	164	RAW	27.2	1,120	40	C-RAW	15.8	1,930	75	RAW + Large (Fine)	35.6	850	35	C-RAW + Large (Fine)	24.2	1,250	57
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Live View Functions																																																	
Shooting Modes	Still photo shooting and video shooting																																																
Focusing	<p>(1) Dual Pixel CMOS AF</p> <ul style="list-style-type: none"> Dual Pixel CMOS AF is possible with all EF and EF-S lenses. Contrast AF is not provided for still-image Live View shooting <p>(2) Manual focus</p> <ul style="list-style-type: none"> Magnifying the image by 5x or 10x for manual focus possible. Manual Focus Peaking available 																																																
Metering Modes	<p>384-zone (24 x 16)</p> <p>Real-time metering with image sensor</p> <ul style="list-style-type: none"> AE lock possible. The metering timer can be changed. <p>(1) Evaluative metering- supported</p> <p>(2) Partial metering (center, approx. 5.8% of viewfinder)</p> <p>(3) Spot metering (center, approx. 2.9% of viewfinder)</p> <p>(4) Center-weighted average metering</p> <ul style="list-style-type: none"> AE lock possible. The active metering timer can be changed. 																																																
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Grid Display	(1)Off (2)3x3 (3)6x4 (4)3x3+diag																																											
Video Shooting																																												
File Format	MP4 Video: MPEG-4 AVC / H.264 • Variable (averaged) bit rate Audio: AAC • Color sampling YCbCr 4:2:0 (8-bit); Color matrix Rec.ITU-R BT.709 MOV: ALL-I (4K UHD 29.97 and FHD 29.97, time-lapse movies only)																																											
Video Recording Size and Frame Rates	<table border="1" data-bbox="448 596 1446 1173"> <thead> <tr> <th>Movie Recording</th> <th>Frame Rate (FPS)</th> <th>Compression Method</th> </tr> </thead> <tbody> <tr> <td>4K UHD* (3840 x 2160)</td> <td>23.98</td> <td>IPB (Standard)</td> </tr> <tr> <td rowspan="3">Full HD (1920 x 1080)</td> <td>59.954 fps</td> <td>IPB (Standard)</td> </tr> <tr> <td>29.97 fps 23.98 fps</td> <td>IPB (Standard)</td> </tr> <tr> <td>29.97 fps</td> <td>IPB (Light)</td> </tr> <tr> <td>HD (1280 x 720)</td> <td>59.94 fps</td> <td>IPB (Standard)</td> </tr> <tr> <td>HDR movies (1920 x 1080)</td> <td>29.97 fps</td> <td>IPB (Standard)</td> </tr> <tr> <td rowspan="2">Creative filter movies (1920 x 1080)</td> <td>29.97 23.98</td> <td>IPB (Standard)</td> </tr> <tr> <td>29.97</td> <td>IPB (Light)</td> </tr> <tr> <td>4K UHD Time-lapse movies* (3840 x 2160)</td> <td>29.97 fps</td> <td>ALL-I</td> </tr> <tr> <td>Full HD Time-lapse movies</td> <td>29.97 fps</td> <td>ALL-I</td> </tr> <tr> <td>Video snapshots (1920 x 1080)</td> <td>29.97 fps</td> <td>IPB (Standard)</td> </tr> </tbody> </table> <p>* The image is cropped around the center of the image sensor.</p>	Movie Recording	Frame Rate (FPS)	Compression Method	4K UHD* (3840 x 2160)	23.98	IPB (Standard)	Full HD (1920 x 1080)	59.954 fps	IPB (Standard)	29.97 fps 23.98 fps	IPB (Standard)	29.97 fps	IPB (Light)	HD (1280 x 720)	59.94 fps	IPB (Standard)	HDR movies (1920 x 1080)	29.97 fps	IPB (Standard)	Creative filter movies (1920 x 1080)	29.97 23.98	IPB (Standard)	29.97	IPB (Light)	4K UHD Time-lapse movies* (3840 x 2160)	29.97 fps	ALL-I	Full HD Time-lapse movies	29.97 fps	ALL-I	Video snapshots (1920 x 1080)	29.97 fps	IPB (Standard)										
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Estimated Recording Time, Movie Bit Rate, and File Size	<table border="1" data-bbox="448 1312 1485 1766"> <thead> <tr> <th colspan="3" rowspan="2">Video Recording Size</th> <th colspan="3">Total Recording Time on Card (approx.)</th> <th rowspan="2">Movie Bit Rate File Size (approx.)</th> </tr> <tr> <th>8GB</th> <th>32GB</th> <th>128GB</th> </tr> </thead> <tbody> <tr> <td>4K UHD</td> <td>23.98 fps</td> <td>IPB (Standard)</td> <td>8 min.</td> <td>35 min.</td> <td>2 hrs. 21 min.</td> <td>Approx.120 Mbps Approx. 861 MB/min.</td> </tr> <tr> <td rowspan="3">Full HD</td> <td>59.94 fps</td> <td>IPB (Standard)</td> <td>17 min.</td> <td>1 hr. 10 min.</td> <td>4 hrs. 43 min.</td> <td>Approx. 60 Mbps Approx. 432 MB/min.</td> </tr> <tr> <td>29.97 fps 23.98 fps</td> <td>IPB (Standard)</td> <td>35 min.</td> <td>2 hr. 20 min.</td> <td>9 hrs. 23 min.</td> <td>Approx. 30 Mbps Approx. 217 MB/min.</td> </tr> <tr> <td>29.97 fps</td> <td>IPB (Light)</td> <td>1 hr. 26 min.</td> <td>5 hrs. 47 min.</td> <td>23 hrs. 11 min.</td> <td>Approx. 12 Mbps Approx. 88 MB/min.</td> </tr> <tr> <td>HD</td> <td>59.94 fps</td> <td>IPB (Standard)</td> <td>40 min.</td> <td>2 hrs. 42 min.</td> <td>10 hrs. 49 min.</td> <td>Approx. 26 Mbps Approx. 188 MB/min.</td> </tr> </tbody> </table> <ul style="list-style-type: none"> • If the recording time reaches 29 min. 59 sec., the movie shooting stops automatically. • Bit rate indicates video output only, audio is not included. • File size and time indicates video output + audio • With [Digital IS: Disable] set. 	Video Recording Size			Total Recording Time on Card (approx.)			Movie Bit Rate File Size (approx.)	8GB	32GB	128GB	4K UHD	23.98 fps	IPB (Standard)	8 min.	35 min.	2 hrs. 21 min.	Approx.120 Mbps Approx. 861 MB/min.	Full HD	59.94 fps	IPB (Standard)	17 min.	1 hr. 10 min.	4 hrs. 43 min.	Approx. 60 Mbps Approx. 432 MB/min.	29.97 fps 23.98 fps	IPB (Standard)	35 min.	2 hr. 20 min.	9 hrs. 23 min.	Approx. 30 Mbps Approx. 217 MB/min.	29.97 fps	IPB (Light)	1 hr. 26 min.	5 hrs. 47 min.	23 hrs. 11 min.	Approx. 12 Mbps Approx. 88 MB/min.	HD	59.94 fps	IPB (Standard)	40 min.	2 hrs. 42 min.	10 hrs. 49 min.	Approx. 26 Mbps Approx. 188 MB/min.
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Focusing	<p>(1) Dual Pixel CMOS AF</p> <ul style="list-style-type: none"> • Contrast AF is only during 4K video recording <p>(2) Manual focus</p> <ul style="list-style-type: none"> • Magnifying the image by 5x or 10x for manual focus possible (Magnification not possible during movie shooting). • Manual Focus Peaking available 																													
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Movie Manual Exposure	23.98-59.94 fps	Manual	1/4000-1/8	Manual	Manual Auto	• [Max. for Auto] setting • Expanded ISO speeds: H (equivalent to ISO 25600)																								
Exposure Compensation	Up to ±3 stops in 1/3- or 1/2-stop increments																													

LCD Monitor	
Type	TFT color, liquid-crystal monitor
Monitor Size	3.0-inch (screen aspect ratio of 3:2) Approx. 3.0 in./7.5cm diagonal (approx. 2.5 in./6.2cm width, approx. 1.6 in/4.2cm height)
Dots	Approx. 1.04 million dots
Angle of view	Approx. 170° vertically and horizontally
Brightness Control	Adjustable to one of seven brightness levels
Coating	Clear View LCD II <ul style="list-style-type: none"> • Anti-smudge coating not applied. • Anti-reflection coating not applied.
Interface Languages	29 (English, Japanese; Arabic, Chinese [Simplified/Traditional], Czech, Danish, Dutch, Finnish, French, German, Greek, Hindi, Hungarian, Indonesian, Italian, Korean, Malay, Norwegian, Polish, Portuguese, Romanian, Russian, Spanish, Swedish, Thai, Turkish, Ukrainian, Vietnamese)
Playback	
Display Format	<p>(1) Single-image display</p> <ul style="list-style-type: none"> • No information display • Basic information display • Detailed shooting information display <ul style="list-style-type: none"> • Basic shooting information • Lens information and RGB histogram • White balance • Picture Style and sharpness • Contrast, color saturation and color tone • Color space and noise reduction • Lens aberration correction • GPS information (when GPS Receiver is used) <p>(2) Index display</p> <ul style="list-style-type: none"> • 4-image • 9-image • 36-image • 100-image
Highlight Alert	With detailed information display, overexposed highlight areas with no image data will blink.
Histogram	Brightness and RGB

Quick Control Function					
Items	Pressing the Quick Control button displays the Quick Control screen during viewfinder shooting, Live View shooting, movie shooting and playback. After selecting an item, you can select contents by operating the Main Dial.				
Image Protection and Erase					
Protection	(1) Single image (select image) (2) Select range (3) All images in a folder (4) All images in a card (5) All found images (only during image search)				
Erase	Except protected images (1) Select image to erase (2) Select range (3) All images in a folder (4) All images in a card (5) All found images (only during image search)				
Direct Printing					
Compatible Printers	Images can be sent via Wi-Fi to a PictBridge-compatible (Wireless LAN) printer and printed.				
Printable Images	JPEG images compliant to Design rule for Camera File System <ul style="list-style-type: none"> • RAW images cannot be printed. • Movies cannot be printed. 				
Digital Print Order Format					
DPOF	Compliant to DPOF Version 1.1				
Select Image	Supported * RAW/C-RAW images and movies cannot be specified for printing.				
Customization					
Custom Functions	14 Custom Functions can be configured				
Custom Controls	Functions can be assigned to the following control parts: <ul style="list-style-type: none"> • Shutter button (halfway pressing) • AF-ON button • AE lock button • DISP button • SET button 				
My Menu Registration	<ul style="list-style-type: none"> • Up to six top-tier menu options and Custom Function settings can be registered. • Up to five My Menu tabs can be added. <table border="1" style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td style="text-align: center; padding: 5px;">My Menu tab overall operations</td> <td style="padding: 5px;"> <ul style="list-style-type: none"> • Adding a tab • Deleting tabs in a batch • Deleting all tab items • Setting the menu display </td> </tr> <tr> <td style="text-align: center; padding: 5px;">My Menu tab detailed operations</td> <td style="padding: 5px;"> <ul style="list-style-type: none"> • Selecting item to register • Sorting registered items • Deleting selected registered items • Deleting registered items in a batch • Deleting tabs • Changing a tab name (16 ASCII characters) </td> </tr> </tbody> </table>	My Menu tab overall operations	<ul style="list-style-type: none"> • Adding a tab • Deleting tabs in a batch • Deleting all tab items • Setting the menu display 	My Menu tab detailed operations	<ul style="list-style-type: none"> • Selecting item to register • Sorting registered items • Deleting selected registered items • Deleting registered items in a batch • Deleting tabs • Changing a tab name (16 ASCII characters)
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Interface					

USB Terminal	Hi-Speed USB (USB 2.0; Micro-B connection type) <ul style="list-style-type: none"> • For PC communication • For GP-E2 connection • For Connect Station connection 																	
HDMI Video/audio Output	HDMI mini OUT terminal (Type C), CEC not compatible * images will not be displayed unless [NTSC] or [PAL] is properly set according to the video system of the TV set.																	
HDMI HDR Output	OFF / ON <ul style="list-style-type: none"> • HDMI HDR output can be used for HDR TVs. <ul style="list-style-type: none"> * HDMI output of RAW images consists of HDR images. * HDMI output of JPEG involves processing to simulate HDR images. * An HDR display icon is shown when the camera is connected via HDMI to an HDR TV. * Still photos: Supports RAW, C-RAW, and JPEG in single-image display. * Display is delayed by approx. 1 sec. for RAW and C-RAW images, which are processed. * Not supported during movie playback. • HDR specification: Conforms to ITU-R BT.2100 (PQ) 																	
External microphone input terminal	3.5mm diameter stereo mini jack <ul style="list-style-type: none"> • Directional Stereo Microphone DM-E1 connection 																	
Power Source																		
Battery	Battery Pack LP-E17 x 1 <ul style="list-style-type: none"> • With the AC Adapter AC-E6N and DC Coupler DR-E18, AC power operation is possible. 																	
Battery Life	<table border="1"> <thead> <tr> <th rowspan="2">Shooting Method</th> <th rowspan="2">Battery</th> <th rowspan="2">Temperature</th> <th colspan="2">Shooting Condition</th> </tr> <tr> <th>AE 100%</th> <th>50% flash use</th> </tr> </thead> <tbody> <tr> <td>Viewfinder shooting</td> <td>LP-E17</td> <td>At 73°F/23°C</td> <td>Approx. 1240</td> <td>Approx. 800</td> </tr> <tr> <td>Live View shooting</td> <td>LP-E17</td> <td>At 73°F/23°C</td> <td>Approx. 360</td> <td>Approx. 310</td> </tr> </tbody> </table>	Shooting Method	Battery	Temperature	Shooting Condition		AE 100%	50% flash use	Viewfinder shooting	LP-E17	At 73°F/23°C	Approx. 1240	Approx. 800	Live View shooting	LP-E17	At 73°F/23°C	Approx. 360	Approx. 310
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Battery Check	Automatic battery check when the power switch is turned ON. Displayed in 4 levels.																	
Power Saving	Power turns off after the set time (10/30* or 30 sec., 1, 2, 4, 8 or 15 min.) of non-operation elapses * Normally 10 sec. is set. 30 sec. will be set for function setting, Live View shooting, image playback, etc.																	
Date/Time Battery	Built-in secondary battery When fully-charged, the date/time can be maintained for approx. 3 months <ul style="list-style-type: none"> • Recharge time: approx. 8 hrs. <ul style="list-style-type: none"> • To become capable to maintain the right date/time for 3 months after main battery power depletion. 																	
Start-up Time	Approx. 0.3 sec. (based on CIPA testing standards)																	
Dimensions and Weight																		
Dimensions (W x H x D)	Approx. 5.16 x 4.04 x 3.00 in. (131.0 x 102.6 x 76.2mm) <ul style="list-style-type: none"> • CIPA compliant. 																	
Weight	Approx. 18.17 oz. / 515g (including battery pack and SD memory card) Approx. 16.61 oz. / 471g (body only)																	
Operating Environment																		
Working Temperature Range	32–104°F / 0–+40°C																	
Working Humidity Range	85% or less																	