

[Specifications]

Type	
Type	Digital AF/AE single-lens reflex camera with built-in flash
Recording Media	SD/SDHC/SDXC memory cards <ul style="list-style-type: none">• SD speed class-compatible• UHS compatible• High-speed writing is supported when a UHS-I compatible SD card is used.• Multimedia cards (MMC) cannot be used (card error will be displayed).
Image Format	Approx. 22.3 x 14.9mm (APS-C)
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)
Effective Pixels	Approx. 24.1 megapixels
Pixel Unit	Approx. 3.72 μm square
Total Pixels	Approx. 25.8 megapixels
Aspect Ratio	3:2 (Horizontal: Vertical)
Color Filter	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 (taking approx. 2 sec.) when power is turned on or off. Manual operation also possible (taking approx. 8 sec.).• After the cleaning is performed, the camera will automatically restart (Power OFF to ON).• When you use Multi Shot Noise Reduction, “Clean now” cannot be selected. (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.

	<ul style="list-style-type: none"> The dust coordinate data appended to the image is used by the provided software to automatically erase the dust spots. <p>(3)Manual cleaning (by hand)</p>
Recording System	
Recording Format	<p>Compliant to Design rule for Camera File system 2.0 and Exif 2.31*</p> <p>* Supports time difference information.</p>
Image Format	JPEG, RAW (14-bit Canon original), C-Raw (Canon original)
File Size	<p>3:2 Aspect Ratio</p> <p>Large: 6000 x 4000</p> <p>Medium: 3984 x 2656</p> <p>Small 1: 2976 x 1984</p> <p>Small 2: 2400 x 1600</p> <p>RAW/C-Raw: 6000 x 4000</p> <p>4:3 Aspect Ratio</p> <p>Large: 5328 x 4000*</p> <p>Medium: 3552 x 2664</p> <p>Small 1: 2656 x 1992</p> <p>Small 2: 2112 x 1600*</p> <p>RAW/C-Raw: 6000 x 4000</p> <p>16:9 Aspect Ratio</p> <p>Large: 6000 x 3368*</p> <p>Medium: 3984 x 2240*</p> <p>Small 1: 2976 x 1680*</p> <p>Small 2: 2400 x 1344*</p> <p>RAW/C-Raw: 6000 x 4000</p> <p>1:1 Aspect Ratio</p> <p>Large: 4000 x 4000</p> <p>Medium: 2656 x 2656</p> <p>Small 1: 1984 x 1984</p> <p>Small 2: 1600 x 1600</p> <p>RAW/C-Raw: 6000 x 4000</p> <p>* Indicate an inexact proportion.</p> <ul style="list-style-type: none"> Multiple aspect ratios (1:1, 4:3, and 16:9) can be specified in Live View Shooting. Values for Recording Pixels are rounded off to the nearest 100,000th. JPEG images are generated in the set aspect ratio. RAW/C-Raw images are generated in [3:2], and the set aspect ratio is appended.
File Numbering	The following types of file numbering can be set:

	<p>(1) File numbering methods</p> <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 card already contains images, the numbering will continue from the last recorded image in the card. <p>(2) Manual reset</p> <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 and JPEG image-recording quality is supported.
Color Space (Still Photos)	sRGB/Adobe RGB
Picture Style	<p>(1) Auto (2) Standard (3) Portrait (4) Landscape (5) Fine Detail (6) Neutral (7) Faithful (8) Monochrome (9) User Defined 1–3</p> <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 the Picture Style. • [Auto] is the default setting for [User Def. 1–3].
White Balance	
Settings	<p>(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) * Effective also in twilight and sunset.</p>
Auto White Balance	Option between ambience priority and white priority settings
Color Temperature Compensation	<p>Blue/amber bias: ± 9 levels Magenta/green bias: ± 9 levels</p>

	<p>* Corrected in reference to the current WB mode's color temperature.</p> <p>* Blue/amber and magenta/green correction can be set at the same time.</p>
Viewfinder	
Type	Eye-level SLR (with fixed pentamirror)
Coverage	Approx. 95% vertical/horizontal coverage (at approx. 19mm eye point and Large image size)
Magnification	Approx. 0.87x/24.5° (with 50mm lens at infinity, -1 m ⁻¹)
Eye Point	Approx. 19mm (at -1 m ⁻¹ from eyepiece lens center)
Dioptric Adjustment Range	Adjustable from approx. -3.0 - +1.0 m ⁻¹ (dpt)
Focusing Screen	Fixed
Mirror	Quick-return all-surface half mirror
Viewfinder Information	Spot metering circle, AF point activation indicator, AF point, ISO speed indicator, Focus indicator, Maximum burst, ISO speed, Highlight tone priority, Exposure level indicator, Exposure compensation amount, AEB range, Red-eye reduction lamp ON, Exposure compensation, Aperture, Shutter speed, Bulb exposure, FE lock, Busy, Built-in flash recharging, No card warning, Card error, Card full warning, Error code, Flash exposure compensation, High-speed sync, FE lock / FEB in-progress, Flash-ready, Improper FE lock warning, AE lock, AEB in-progress, Warning icon.
Depth of Field Preview	Provided with customized DISP button settings.
Autofocus	
Type	TTL secondary image-forming phase-difference detection system with AF-dedicated sensor
AF Points	<p>9 points</p> <p>Center AF point is AF cross-type supporting f/5.6.</p> <p>Center AF point is vertical line-sensitive supporting f/2.8.</p> <p>Other AF points is vertical line-sensitive or horizontal line-sensitive AF supporting f/5.6.</p>
AF Working Range	<p>With One-Shot AF, at 73°F/23°C, ISO 100</p> <p>EV -0.5–18 (center AF point)</p> <p>EV 0.5–18 (other AF points)</p> <p>(Based on Canon's testing standards and environment)</p>
Focusing Modes	(1) Autofocus

	<ol style="list-style-type: none"> 1. One-Shot AF 2. AI Servo AF 3. AI Focus AF <ul style="list-style-type: none"> • Switches between One-Shot AF and AI Servo AF automatically. (2) Manual focus
AF Point Selection	(1) Manual selection (2) Auto selection <ul style="list-style-type: none"> • Manually selectable in Basic Zone modes (except Special Scene Candlelight and Creative Filters Fish-eye effect and Miniature effect)
AF Assist Beam	(1) Built-in flash <ul style="list-style-type: none"> • Not supported (2) External flash <ul style="list-style-type: none"> • Infrared • Intermittent firing
Exposure Control	
Metering Modes	63-zone metering sensor (1) Evaluative metering (linked to all AF points) (2) Partial metering (center, approx. 9.0% of viewfinder) (3) Spot metering (center, approx. 4.0% of viewfinder) (4) Center-weighted average metering
Metering Range	EV 1 –20 (at 73°F/23°C, ISO 100, evaluative metering)
Exposure Control Systems	(1) Creative Zone <ol style="list-style-type: none"> 1) Program AE (shiftable) 2) Shutter-priority AE 3) Aperture-priority AE 4) Manual exposure (including bulb) (2) Basic Zone <ol style="list-style-type: none"> 1) Scene Intelligent Auto (Program AE/ non-shiftable) 2) Special Scene <ol style="list-style-type: none"> i. Portrait ii. Smooth skin iii. Group Photo iv. Landscape v. Sports vi. Kids vii. Close-up viii. Food ix. Candlelight x. Night Portrait

	<div><div>xi. Handheld Night Scene</div><div>xii. HDR Backlight Control</div><div>3) Creative Filters</div><div><div>i. Grainy B/W</div><div>ii. Soft Focus</div><div>iii. Fish-eye effect</div><div>iv. inter painting effect</div><div>v. Toy camera effect</div><div>vi. Miniature effect</div><div>vii. HDR art standard</div><div>viii. HDR art vivid</div><div>ix. HDR art bold</div><div>x. HDR art embossed</div></div><div>4) Self Portrait</div></div>																																														
ISO Speed Range	<div><div>Manual Setting</div><table><tr><td>Normal</td><td>ISO 100–25600 (in whole-stop increments)</td></tr><tr><td>Expanded</td><td>ISO 51200</td></tr></table><div><div><div>• When Highlight tone priority is set to [Enable] or [Enhanced], minimum ISO speed is ISO 200.</div><div>• Maximum ISO speed cannot be set to H (equivalent to ISO 51200).</div></div></div><div><div>Auto ISO Speed Settings</div><table><tr><th colspan="2">Shooting Mode</th><th>No Flash</th><th>Built-in Flash</th><th>External Flash</th></tr><tr><td>P</td><td>Program AE</td><td rowspan="3">ISO 100*¹–25600*²</td><td rowspan="3">ISO 100*¹–1600*²</td><td rowspan="3">ISO 100*¹–1600*²</td></tr><tr><td>Tv</td><td>Shutter-priority AE</td></tr><tr><td>Av</td><td>Aperture-priority AE</td></tr><tr><td rowspan="2">M</td><td>Manual Exposure</td><td rowspan="2">ISO 400</td><td rowspan="2">ISO 400</td><td rowspan="2">ISO 400</td></tr><tr><td>Bulb Exposure</td></tr><tr><td></td><td>Scene Intelligent Auto</td><td>ISO 100–6400</td><td>ISO 100-3200</td><td>ISO 400–1600</td></tr><tr><td rowspan="6">Special Scene</td><td>Portrait</td><td rowspan="3">ISO 100–6400</td><td>ISO 100–1600</td><td rowspan="3">ISO 100-1600</td></tr><tr><td>Smooth skin</td><td rowspan="2">ISO 100-3200</td></tr><tr><td>Group Photo</td></tr><tr><td>Landscape</td><td>ISO 100–1600</td><td rowspan="2">Does not fire*³</td></tr><tr><td>Sports</td><td rowspan="3">ISO 100-6400</td><td rowspan="2">Does not fire</td></tr><tr><td>Kids</td></tr><tr><td>Close-up</td><td>ISO 400–1600</td></tr></table></div></div>	Normal	ISO 100–25600 (in whole-stop increments)	Expanded	ISO 51200	Shooting Mode		No Flash	Built-in Flash	External Flash	P	Program AE	ISO 100* ¹ –25600* ²	ISO 100* ¹ –1600* ²	ISO 100* ¹ –1600* ²	Tv	Shutter-priority AE	Av	Aperture-priority AE	M	Manual Exposure	ISO 400	ISO 400	ISO 400	Bulb Exposure		Scene Intelligent Auto	ISO 100–6400	ISO 100-3200	ISO 400–1600	Special Scene	Portrait	ISO 100–6400	ISO 100–1600	ISO 100-1600	Smooth skin	ISO 100-3200	Group Photo	Landscape	ISO 100–1600	Does not fire* ³	Sports	ISO 100-6400	Does not fire	Kids	Close-up	ISO 400–1600
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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.)Possible with all metering modes.																																								
Shutter																																									
Type	Vertical-travel, mechanical, focal-plane shutter with all speeds electronically-controlled																																								

	<ul style="list-style-type: none"> • Electronic 1st curtain and mechanical 2nd curtain
Shutter Speeds	<p>Creative Zone: 1/4000 to 30 sec., bulb</p> <ul style="list-style-type: none"> • X-sync at 1/200 sec. <p>Basic Zone: 1/4000 to 1 sec.</p>
Shutter Release	Soft-touch electromagnetic release
Self Timer	10-sec. delay, 2-sec. delay, continuous shooting after 10 sec. (2 to 10 shots)
Shutter Lag Time	<p>With SW-1 ON, time lag between SW-2 ON and start of exposure: approx. 0.075 sec.</p> <ul style="list-style-type: none"> • Based on Canon testing standards. • Time lag with the aperture stopped down by 3 stops or less from the open aperture. • Release time lag will become longer for Live View shooting, Silent single shooting or Silent continuous shooting.
External Speedlite	
Flash Metering	E-TTL II autoflash (Evaluative, Average), FE Lock
Flash Exposure Compensation	<p>±2 stops in 1/3- or 1/2-stop increments</p> <ul style="list-style-type: none"> • Flash exposure compensation for built-in flash and external Speedlite can be set from the camera.
FE Lock	Provided
External Flash Settings	<p>The camera can set the following with EX and EL series Speedlites:</p> <ul style="list-style-type: none"> • The actual setting options will differ depending on the Speedlite used. <p>(1) External flash control</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. 5.0 shots/sec. (One-Shot AF and AI Servo AF) • Maximum continuous shooting speed with 1/500 sec. or faster shutter speed, EF 50mm f/1.8 STM lens, maximum aperture (varies depending on the lens), with a fully-charged Battery Pack LP-E17 and at room temperature (73°F/23°C). <p>(3) Silent single shooting</p> <ul style="list-style-type: none"> • Creative Zone supported, Basic Zone not supported.

	<ul style="list-style-type: none">• [AI Servo AF] and [AI Focus AF] are not available. (Only One-Shot AF is available.) <p>(4) Silent continuous shooting</p> <ul style="list-style-type: none">• Max. approx. 2.5 shots/sec.• Creative Zone supported, Basic Zone not supported.• [AI Servo AF] and [AI Focus AF] are not available. (Only One-Shot AF is available.) <p>(5) Self-timer: 10 sec./remote control</p> <ul style="list-style-type: none">• Compatible with Wireless Remote Controller BR-E1.• Countdown is shown on the screen.• Incompatible with accessories using the infrared transmission system as Remote Controller RC-6. <p>(6) 2 sec. self-timer</p> <p>(7) Continuous shooting after 10 sec. self-timer (2 to 10 shots)</p>																																																														
Maximum Burst	<table><tr><th rowspan="2">Image-recording</th><th rowspan="2">Image File Size (approx. MB)</th><th rowspan="2">Possible Shots (approx.)</th><th colspan="2">Maximum Burst (approx.)</th></tr><tr><th>Standard</th><th>High-speed (UHS-I)</th></tr><tr><td>Large (Fine)</td><td>8.4</td><td>3601</td><td>Full</td><td>Full</td></tr><tr><td>Large (Normal)</td><td>4.5</td><td>6618</td><td>Full</td><td>Full</td></tr><tr><td>Medium (Fine)</td><td>4.6</td><td>6484</td><td>Full</td><td>Full</td></tr><tr><td>Medium</td><td>2.6</td><td>11401</td><td>Full</td><td>Full</td></tr><tr><td>Small 1 (Fine)</td><td>3.1</td><td>9691</td><td>Full</td><td>Full</td></tr><tr><td>Small 1 (Normal)</td><td>1.8</td><td>16015</td><td>Full</td><td>Full</td></tr><tr><td>Small 2</td><td>1.8</td><td>16343</td><td>Full</td><td>Full</td></tr><tr><td>RAW</td><td>27.2</td><td>1123</td><td>10</td><td>10</td></tr><tr><td>C-RAW</td><td>15.8</td><td>1931</td><td>37</td><td>37</td></tr><tr><td>RAW + Large</td><td>35.6</td><td>855</td><td>9</td><td>9</td></tr><tr><td>C-RAW + Large (Fine)</td><td>24.2</td><td>1256</td><td>17</td><td>17</td></tr></table> <ul style="list-style-type: none">• The number of possible shots and maximum burst (standard) apply to a UHS-I compliant 32GB card base on 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.)• “Full” indicates that shooting is possible until the card becomes full.	Image-recording	Image File Size (approx. MB)	Possible Shots (approx.)	Maximum Burst (approx.)		Standard	High-speed (UHS-I)	Large (Fine)	8.4	3601	Full	Full	Large (Normal)	4.5	6618	Full	Full	Medium (Fine)	4.6	6484	Full	Full	Medium	2.6	11401	Full	Full	Small 1 (Fine)	3.1	9691	Full	Full	Small 1 (Normal)	1.8	16015	Full	Full	Small 2	1.8	16343	Full	Full	RAW	27.2	1123	10	10	C-RAW	15.8	1931	37	37	RAW + Large	35.6	855	9	9	C-RAW + Large (Fine)	24.2	1256	17	17
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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.																																																														

	<ul style="list-style-type: none"> • Contrast AF is not provided. • Contrast detection* <ul style="list-style-type: none"> * When recording 4K movies or 4K Time-lapse movies. (2) Manual focus <ul style="list-style-type: none"> • Magnifying the image by 5x or 10x for manual focus possible.
Metering Modes	Real-time metering with image sensor <ul style="list-style-type: none"> • AE lock possible. The metering timer can be changed. (1) Evaluative metering (384-zone) (2) Partial metering (center, approx. 5.5% of Live View screen) (3) Spot metering (center, approx. 3.7% of Live View screen) (4) Center-weighted average metering <ul style="list-style-type: none"> • AE lock possible. The metering timer setting can be changed.
Metering Range	EV -2–20 (at 73°F/23°C, ISO 100, evaluative metering)
Grid Display	(1) Off (2) 3 x 3 (3) 6 x 4 (4) 3 x 3 + diag
Video Shooting	
File Format	MP4 Video: MPEG-4 AVC / H.264 <ul style="list-style-type: none"> • Variable (averaged) bit rate Audio: AAC

Video Recording Size and Frame Rates

NTSC	NTSC	Compression Method	Recording Format
4K* 3840 x 2160	23.98 fps	IPB (Standard)	MP4
Full HD 1920 x 1080	59.94 fps	IPB (Standard)	
	29.97 fps	IPB (Standard)	
		IPB (Light)	
HD 1280 x 720	59.94 fps	IPB (Standard)	
HDR movie 1920 x 1080	29.97 fps	IPB (Standard)	
4K* Time-lapse movie 3840 x 2160	29.97 fps	ALL-I	
Full HD Time-lapse movie	29.97 fps	ALL-I	

* The image is cropped around the center of the image sensor.

Time-lapse movie (MP4)

Item	Setting
Time-lapse	Disable/ Scene 1 / Scene 2 / Scene 3 /
Interval*	Minimum: 1 sec. Maximum: 60 min.
Number of shots*	Minimum: 2 shots Maximum: 3600 shots
Movie Recording Size	4K / Full HD
Auto Exposure	<ul style="list-style-type: none"> Fixed 1st frame Each frame
Screen Auto Off	Enable/ Disable
Beep as image taken	Enable/ Disable

* Some limitations apply when Scene 1, Scene 2, or Scene 3 is used.

Continuous Shooting Time

Video Recording Size			Total Recording Time on Card (approx.)			File Size (approx.)	Bit Rate (approx.)
			8GB	32GB	128GB		
4K 3840 x 2160	23.98 fps 25.00 fps	IPB (Standard)	8 min.	35 min.	2 hr. 21 min.	Approx. 860 MB/min.	Approx. 120 Mbps
Full HD 1920 X 1080	59.94 fps 50.00 fps	IPB (Standard)	17 min.	1 hr. 10 min.	4 hr. 43 min.	Approx. 431 MB/min.	Approx. 60 Mbps
	29.97 fps 25.00 fps	IPB (Standard)	35 min.	2 hr. 20 min.	9 hr. 23 min.	Approx. 216 MB/min.	Approx. 30 Mbps
		IPB (Light)	1 hr. 26 min.	5 hr. 47 min.	23 hr. 11 min.	Approx. 87 MB/min.	Approx. 12 Mbps
	59.94 fps 50.00 fps	IPB (Standard)	40 min.	2 hr. 42 min.	10 hr. 49 min.	Approx. 187 MB/min.	Approx. 26 Mbps

- Bit rate indicates video output only, audio is not included.
- File size and time indicates video output + audio.
- With [Digital IS: Disable] set.
- If the recording time reaches 29 min. 59 sec., the movie shooting stops automatically.
- Movie shooting does not stop automatically even if the file size reaches 4GB. (When an SDXC card is formatted in exFAT, a movie will be recorded in a single movie file even if it exceeds 4GB.)

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 detection* <p>* When recording 4K movies or 4K Time-lapse movies.</p> <p>(2) Manual focus</p> <ul style="list-style-type: none"> • Magnifying the image by 5x or 10x for manual focus possible (not possible during movie shooting).
Range	Full range (0–255)

Exposure Control

Shooting Mode	Frame Rate	Shutter Speed (sec.)		Aperture Setting	ISO Speed		
		Setting	Range (sec.)		Setting	Range	
Program AE (P / Tv / Av)	59.94 fps	Auto	1/4000–1/60* ¹	Auto	Auto	ISO 100–12800 Conditions that affect the minimum ISO speed • Highlight tone priority: ISO 200 Conditions that affect the maximum ISO speed • 4K movie recording: ISO 6400 • Movie digital zoom: ISO 6400 • Setting for [Max for Auto] • Expanded ISO speeds: H (ISO 25600 equivalent)	
	50.00 fps		1/4000–1/50* ²				
	29.97 fps		1/4000–1/30				
	25.00 fps		1/4000–1/25				
	23.98 fps						
Manual Exposure (M)	59.94 fps	Manual	1/4000–1/8	Manual	Manual Auto		
	50.00 fps						
	29.97 fps						
	25.00 fps						
	23.98 fps						
Scene Intelligent Auto	59.94 fps	Auto	1/4000–1/30	Auto	Auto	ISO 100–12800 Conditions that affect the maximum ISO speed • 4K movie recording: ISO 6400 • Movie digital zoom: ISO 6400	
	50.00 fps		1/4000–1/25				
	29.97 fps		1/4000–1/30				
	25.00 fps		1/4000–1/25				
	23.98 fps						
HDR Movies (SCN)	29.97 fps	Auto	1/4000–1/60	Auto	Auto		ISO 100–12800
	25.00 fps		1/4000–1/50				
Creative Filters	29.97 fps	Auto	1/4000–1/30	Auto	Auto		ISO 100–12800
	25.00 fps		1/4000–1/25				

*¹ 1/30 when [Auto slow shutter] is set to [Enable].

*2 1/25 when [Auto slow shutter] is set to [Enable].

Exposure Compensation	Up to ± 3 stops in 1/3- or 1/2-stop increments
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HDMI Output

HDMI Resolution	Auto / 1080p
HDMI Output for Video Footage	Supported (HDMI information output)
HDMI HDR output	Supported
Color Sampling Method	Uncompressed 8-bit YCbCr 4:2:2 Uncompressed 10-bit YCbCr 4:2:2 Uncompressed 8-bit RGB
Color Space	BT.709 / BT.601 / BT.2020

* Output format contents are outputted to the connected HDMI device, depending on the camera settings.

* Since displayable contents vary depending on the specifications of the connected monitor, some contents specified by the camera may not be displayed.

HDMI Resolution

HDMI Output	Resolution	NTSC
Auto	4K UHD	29.97p / 24.00p* / 23.98p
	1080	59.94p / 59.94i / 24.00p*
	480	59.94p
	576	
1080p	1080	59.94p / 59.94i / 24.00p*
	480	59.94p
	576	

* When playing the movie back that was shot with other camera.

HDMI Information Display

Information Display when Connected via HDMI	Contents Displayed on HDMI-connected Device and Camera Operation
With Info	<ul style="list-style-type: none"> • Movie and shooting information are output. • Camera screen is turned off. • Movie is recorded on the card.
Clean / 4K Output	<ul style="list-style-type: none"> • 4K movie* without information is output. • Movie is displayed with information on the camera screen. • Movie is not recorded on the card. • Wi-Fi® communication is not possible.
Clean / Full HD Output	<ul style="list-style-type: none"> • Full HD movie* without information is output. • Movie is displayed with information on the camera screen. • Movie is not recorded on the card. • Wi-Fi® communication is not possible.

* If the HDMI connected monitor is not compatible with the camera's output format, the movie is displayed with lower output format resolution. (Cannot be displayed depending on the specifications of the monitor.)

HDMI HDR Output	<p>Off / On</p> <p>An HDR display icon is shown when the camera is connected via HDMI to an HDR TV or monitor.</p> <p>Still photo: Supports RAW, C-RAW, and JPEG in single-image display.</p> <ul style="list-style-type: none"> • Display is delayed by approx. 1 sec. for RAW and C-RAW images, which are processed. • Not supported during movie playback.
LCD Monitor	
Type	TFT color, liquid-crystal monitor
Monitor Size	<p>3.0-inch (screen aspect ratio of 3:2)</p> <p>Approx. 2.95 in./7.50cm diagonal (approx. 2.46 in./6.24cm width, approx. 1.64 in/4.16cm height)</p>
Dots	Approx. 1.04 million dots
Coverage	Approx. 170° vertically and horizontally
Brightness Control	Adjustable to one of seven brightness levels
Coating	<p>Clear View LCD II</p> <ul style="list-style-type: none"> • Anti-smudge coating not applied. • Anti-reflection coating not applied.

s	29 (English, German, French, Dutch, Danish, Portuguese, Finnish, Italian, Ukrainian, Norwegian, Swedish, Spanish, Greek, Russian, Polish, Czech, Hungarian, Vietnamese, Hindi, Romanian, Turkish, Arabic, Thai, Simplified/Traditional Chinese, Korean, Malay, Indonesian, and Japanese)
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	<p>Pressing the <Q> Quick Control button displays the Quick Control screen during viewfinder shooting, Live View shooting, movie shooting and playback.</p> <p>After selecting an item, you can select contents by operating the Main Dial.</p>
Image Protection and Erase	
Protection	<p>(1) Single image (select image)</p> <p>(2) Select range</p> <p>(3) All images in a folder</p> <p>(4) All images in a card</p> <p>(5) All found images (only during image search)</p> <ul style="list-style-type: none"> • RAW/C-RAW images and movies cannot be specified for printing.
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.
DPOF: Digital Print Order Format	
DPOF	Compliant to DPOF Version 1.1
Wi-Fi®	
Standards Compliance	IEEE 802.11b/g/n
Transmission Method	DS-SS modulation (IEEE 802.11b) OFDM modulation (IEEE 802.11g/n)
Transmission Range	Approx. 10 m/32.8 ft. *When communicating with a smartphone or tablet *With no obstructions between the transmitting and receiving antennas and no radio interference
Transition Frequency (Central Frequency)	Frequency: 2412–2462 MHz Channels: 1–11 channels
Connection Method	Camera Access Point Mode and Infrastructure mode
Security	Authentication method: Open system, Shared key, WPA/WPA2-PSK Encryption: WEP, TKIP, AES
Communication with a Smartphone	Images can be viewed, controlled, and received using a smartphone. Remote control of the camera using a smartphone is possible. Images can be sent to a smartphone.
Transfer Images Between Cameras	Not supported.
Connect to Connect Station	Images can be sent to and saved on Connect Station.
Remote Operation Using EOS Utility	Remote control functions and image viewing functions of EOS Utility can be used wirelessly.

Print from Wi-Fi® Printers	Images can be sent to a Wi-Fi® printer.
Send Images to a Web Service	Images in the camera or links to images can be sent to registered Web services.
NFC	
Standards Compliance	Not supported.
Bluetooth®	
Standards Compliance	Bluetooth Specification Version 4.1 compliant (Bluetooth low energy technology)
Transmission Method	GFSK modulation
Customization Features	
Custom Functions	11 Custom Functions settable with the camera
Custom Controls	<p>Functions can be assigned to the following control parts:</p> <ul style="list-style-type: none"> • Shutter button (halfway pressing) • AE lock button • SET button • DISP button <p>During still photo shooting or movie recording:</p> <ul style="list-style-type: none"> • [AF point selection / Magnify button] and [AE Lock / Reduce / Index button] can be switched. <p>During movie recording:</p> <ul style="list-style-type: none"> • Shutter button functions during movie recording can be set.

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.																														
	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																												
	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• Deleting tabs• Changing a tab name (16 ASCII characters)																												
Interface																															
USB Terminal	Hi-Speed USB (USB 2.0) <ul style="list-style-type: none">• For PC communication• For Connect Station connection																														
HDMI Out Terminal	Type C (Resolution switches automatically) CEC not supported <ul style="list-style-type: none">• Images will not be displayed unless the video system is correctly set for the connected TV set, [NTSC] or [PAL].																														
Extension System 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><tr><th rowspan="2">Mode</th><th rowspan="2">Shooting Method</th><th rowspan="2">Battery</th><th rowspan="2">Temperature</th><th colspan="2">Possible Shots (Approx.)</th></tr><tr><th>AE 100%</th><th>AE 50% / FA 50%</th></tr><tr><td rowspan="4">Camera body only</td><td rowspan="2">Viewfinder shooting</td><td rowspan="4">LP-E17</td><td>At 73°F/23°C</td><td>1630</td><td>1070</td></tr><tr><td>At 32°F/0°C</td><td>1520</td><td>1020</td></tr><tr><td colspan="2" rowspan="2">Live View shooting</td><td>At 73°F/23°C</td><td>350</td><td>320</td></tr><tr><td>At 32°F/0°C</td><td>330</td><td>300</td></tr></table>						Mode	Shooting Method	Battery	Temperature	Possible Shots (Approx.)		AE 100%	AE 50% / FA 50%	Camera body only	Viewfinder shooting	LP-E17	At 73°F/23°C	1630	1070	At 32°F/0°C	1520	1020	Live View shooting		At 73°F/23°C	350	320	At 32°F/0°C	330	300
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	Live View shooting		At 73°F/23°C	350	320																										
			At 32°F/0°C	330	300																										

	<ul style="list-style-type: none"> • Using a fully charged LP-E17. • Based on CIPA testing standards.
Battery Check	Automatic battery check when the power switch is turned ON. Displayed in 4 levels.
Power Saving	<p>Power turns off after the set time (10/30* or 30 sec., 1, 2, 4, 8 or 15 min.) of non-operation elapses.</p> <p>* Normally 10 sec. is set. 30 sec. will be set for function setting, Live View shooting, image playback, etc.</p>
Date/Time Battery	<p>Built-in secondary battery</p> <p>When fully-charged, the date/time can be maintained for approx. 3 months</p> <ul style="list-style-type: none"> • Recharge time: approx. 8 hrs. <p>○ To become capable to maintain the right date/time for 3 months after main battery power depletion.</p>
Start-up Time	Approx. 0.2 sec. (based on CIPA testing standards)