

Tech. Specs. Detailed PDF	View Full Details of Technical Specifications
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Type

Type	Digital interchangeable lens mirrorless camera
Image Processor	DIGIC X
Recording Media	(One) SD card slot Compatible with UHS-II/UHS-I/UHS speed class/SD speed class Eye-Fi cards and Multimedia cards (MMC) are not supported.
Compatible Lenses	Canon RF lenses (including RF-S lenses) Canon RF-S3.9mm F3.5 STM Dual Fisheye lens and RF-S7.8mm F4 STM Dual lens * When using Mount Adapter EF-EOS R: Canon EF or EF-S lenses (excluding EF-M lenses)
Lens Mount	Canon RF mount

Image Sensor

Type	APS-C CMOS sensor (compatible with Dual Pixel CMOS AF)
Effective Pixels	Approx. 24.0 megapixels
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	Self Cleaning Sensor Unit not provided. Manual cleaning (by hand) not supported. Dust Delete Data acquisition and appending The coordinates of the dust adhering to the low-pass filter are detected by a test shot and appended to subsequent images. The dust coordinate data appended to the image is used by the EOS software to automatically erase the dust spots. Not available during focus bracket shooting.

Recording System

Recording Format	Compliant to Design rule for Camera File system 2.0 and Exif 2.31* *Supports time offset information																																						
Image Format	JPEG (.JPG), HEIF (.HIF), RAW, C-RAW (.CR3) Movies: XF-HEVC S YCC422 10 bit XF-HEVC S YCC420 10 bit XF-AVC S YCC422 10 bit XF-AVC S YCC420 8 bit *1: When a movie is recorded with [Add CP file: On] set when [Custom Picture] is active, a .CPF file will be created.																																						
Still image resolution	RAW, C-RAW -- 24.0 MP (6000 x 4000) Large (L) -- 24.0 MP (6000 x 4000) Medium (M) -- Approx. 10.6 MP (3984 x 2656) S1 -- Approx. 5.9 MP (2976 x 1984) S2 -- Approx. 3.8 MP (2400 x 1600)																																						
File Size	<table> <tr> <th></th><th>Image Quality</th><th>File Size [Approx. MB]</th><th>Available Shots [Approx.]*¹</th></tr> <tr> <td rowspan="7">JPEG*²</td><td>L (fine)</td><td>8.7</td><td>14040</td></tr> <tr> <td>L (Normal)</td><td>4.6</td><td>26460</td></tr> <tr> <td>M (fine)</td><td>4.7</td><td>25740</td></tr> <tr> <td>M (Normal)</td><td>2.6</td><td>45600</td></tr> <tr> <td>S1 (Fine)</td><td>3.1</td><td>39020</td></tr> <tr> <td>S1 (Normal)</td><td>1.8</td><td>64490</td></tr> <tr> <td>S2</td><td>1.8</td><td>65020</td></tr> <tr> <td rowspan="3">HEIF*³</td><td>L (fine)</td><td>9.0</td><td>13470</td></tr> <tr> <td>L (Normal)</td><td>6.8</td><td>17550</td></tr> <tr> <td>M (fine)</td><td>5.2</td><td>22540</td></tr> </table>				Image Quality	File Size [Approx. MB]	Available Shots [Approx.]*¹	JPEG* ²	L (fine)	8.7	14040	L (Normal)	4.6	26460	M (fine)	4.7	25740	M (Normal)	2.6	45600	S1 (Fine)	3.1	39020	S1 (Normal)	1.8	64490	S2	1.8	65020	HEIF* ³	L (fine)	9.0	13470	L (Normal)	6.8	17550	M (fine)	5.2	22540
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	M (Normal)	4.1	28670
	S1 (Fine)	3.5	32870
	S1 (Normal)	2.9	40400
	S2	1.9	56440
RAW ^{*2}	RAW	27.0	4570
	C-RAW	14.0	8920
RAW+JPEG ^{*2}	RAW + L (fine)	27.0 + 8.7	3440
	C-RAW + L (fine)	14.0 + 8.7	5450
RAW+HEIF ^{*3}	RAW + L (fine)	29.9 + 9.0	3140
	C-RAW + L (fine)	16.9 + 9.0	4730

*1: Number of shots using a 128 GB card that conforms to Canon testing standards.

*2: With HDR PQ disabled

*3: With HDR PQ enabled

* File sizes are determined based on Canon testing standards.

* File size varies by shooting conditions (such as aspect ratio, subject, ISO speed, Picture Style, and Custom Functions).

Maximum Burst

	Image Quality	Electronic 1st-curtain (Approx. 12 shots/sec.)	Electronic shutter (Approx. 15 shots/sec.)
JPEG ^{*2}	L (fine)	140	95
	M (fine)	140	95
	S1 (Fine)	140	95
	S2	140	95

	HEIF ^{*3}	L (fine)	130	91
		M (fine)	130	91
		S1 (Fine)	130	91
		S2	130	91
	RAW ^{*2}	RAW	59	36
		C-RAW	120	79
	RAW+JPEG	RAW + L (fine)	36	27
		C-RAW + L (fine)	110	66
	RAW+HEIF	RAW + L (fine)	23	22
		C-RAW + L (fine)	49	47

*1: Number of shots using a 128 GB UHS-II card that conforms to Canon testing standards.

*2: With HDR PQ disabled

*3: With HDR PQ enabled

* Maximum burst as measured under conditions conforming to Canon testing standards (One- Shot AF mode, High-speed continuous shooting +, ISO 100, Standard Picture Style, and Room temperature: 23°C / 73°F).

File size varies by shooting conditions (such as still photo aspect ratio, subject, ISO speed, Picture Style, and Custom Functions). Number of shots available and maximum burst varies depending on shooting conditions (including still photo aspect ratio, subject, memory card brand, ISO speed, Picture Style, and Custom Functions)

File Numbering

The following file numbers can be set:

1. File numbering methods

a. Continuous numbering

i. The numbering of captured images continues even after you replace the card.

b. Auto reset

i. When you replace the card, the numbering will be reset to start from 0001. If the new SD card already contains images, the numbering will continue from the last recorded image in the card.

2. Manual reset

a. Resets the file number to 0001, and creates a new folder automatically.

* When manually resetting the file number, folders can also be renamed.

RAW + JPEG / HEIF Simultaneous Recording

Simultaneous recording of any combination of RAW/C-RAW and JPEG/HEIF image-recording quality is supported.

Color Space (still images)	sRGB (HDR PQ images BT.2020)
Picture Style	(Set via Color Mode menu or Color Mode button) (1) Auto (2) Standard (3) Portrait (4) Landscape (5) Fine Detail (6) Neutral (7) Faithful (8) Monochrome (9) User Defined 13 * Picture Style files can be registered to user-defined settings 13.

White Balance

Settings	(1) Auto (Ambience priority/White priority) (2) Daylight (3) Shade (4) Cloudy* ¹ (5) Tungsten light (6) White fluorescent light (7) Flash* ² (8) Manual (9) Color temperature 1 (10) Color temperature 2 Approx. 2500K-10000K* (11) Color temperature 2 Set in 100K increments (12) Color temperature 4 *1: Effective also in twilight and sunset. *2: With an EX / EL-series Speedlite having the color temperature information transmission feature, the color temperature setting changes to match the color temperature when the flash is fired. Set to approx. 6000 K if the flash unit does not have the color temperature communication feature. * Can also be changed during movie recording when Creative (Movie) Zone is set. * Color temperature 14 can be switched with [Customize buttons for shooting: Switch color temperature]
Auto White Balance	Option between ambience priority and white priority settings, using SET button
White Balance Shift	Blue/amber bias: ±9 levels Magenta/green bias: ±9 levels Shifted from the color temperature of the current WB mode. Blue/amber and magenta/green shift can be set at the same time. (WB Bracketing not supported)

Autofocus

Focus Method	Dual Pixel CMOS AF
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Number of AF zones available for Automatic Selection	AF area: Horizontal: Approx. 100% x Vertical: Approx. 100% (100% x 100% AF coverage in Face Detect + Tracking AF; coverage can vary, depending upon lens being used) Stills: Max. 651 zones (31 x 21) Movies: Max. 527 zones (31 x 17)
Selectable Positions for AF Point	AF area: Horizontal: Approx. 90% x Vertical: Approx. 100% Stills: Max. 4503 positions (79 x 57) Movies: Max 3713 positions (79 x 47)
Focusing brightness range (still photo shooting)	EV -5.0 to 20 (with an f/1.2 lens,* center AF point, One-Shot AF at room temperature, and ISO 100) * Except RF lenses with a Defocus Smoothing (DS) coating.
Focusing brightness range (movie recording)	EV -2.5 to 20 (with an f/1.2 lens,* center AF point, One-Shot AF at room temperature, ISO 100, and 29.97 / 25.00 fps.) * Except RF lenses with a Defocus Smoothing (DS) coating.
Available AF Areas (still images and movies)	Spot AF 1-point AF Expand AF area: Above/below/left/right Expand AF area: Around Flexible Zone AF 1 Flexible Zone AF 2 Flexible Zone AF 3 Whole area AF
Available Subject Detection (still images and movies)	Auto People Animals (dogs / cats / birds/ horses) Vehicles (motorsports cars / motorcycles / airplanes / trains) * Certain types of animals or vehicles may not be detected, depending on shape and appearance
Eye Detection	Auto: Selects the eye closer to the camera (as detected from the angle of the face). At the same distance from the camera, selects the eye closer to the center of the AF area. Left/right eye detection: Supported (refers to subject's left/right eye)

Customization

Available Functions	Dial direction during Tv/Av; Control ring rotation direction; Customize buttons; Customize dials			
Customize Buttons Customizable Dials/Control Ring				
	Item	Details	Still Photos	Movie

Customize buttons for shooting	Change assignment of functions to camera controls	Depends on setting	
Shutter button function for movies	Half Press		Yes
	Full Press		
Customize dials / control ring	Change assignment of functions to camera controls	Depends on setting	
Touch Shutter	Disable / Enable	Yes	
Multi-function lock	Mail Dial	Yes	Yes
	Control Dial		
	Touch Control		
	Control Ring		
Focus Ring / Control Ring	Use as focus ring / Use as control ring	Yes	Yes
Camera / Remote optical zoom speed	Standby	Yes	Yes
	Recording	Yes	
Lens optical zoom speed	Standby	Yes	Yes
	Recording	Yes	

My Menu Registration

Up to six top-tier menu items and Custom Functions can be registered.
Up to five My Menu tabs can be added.

My Menu tab overall operations

Adding a tab
Deleting tabs in a batch
Deleting all tab items
Setting the menu display

My Menu tab detailed operations

Selecting a registered item
Sorting registered items
Deleting selected registered items
Deleting registered items in a batch
Deleting tabs
Rename tab (16 ASCII characters)

Exposure Control

Metering Modes

Real-time metering from CMOS image sensor (384 [24x16] metering zones)
(1) Evaluative metering (AF point-linked)
(2) Partial metering (approx. 5.8% of the area at the center of the screen)
(3) Spot metering (approx. 2.9% of the area at the center of the screen)
(4) Center-weighted average metering
* Movie recording: Evaluative metering only

Metering Range

Still Photo Shooting: EV -5 to 20
Movie Recording: EV -2.5 to 20 (4K) / EV -3.0 to 20 (Full HD)

Exposure Modes

Still photo shooting:
Full Auto (A+), P, Tv, Av, M
Self-portrait, Portrait, Smooth skin, Panoramic shot, Food, Handheld Night Scene

Movie recording:
Movie auto exposure, Shutter-priority (Tv), Aperture-priority (Av), Movie Manual exposure

ISO Speed Range

Manually Set

Normal	ISO 10032000 (in 1/3- or 1-stop increments)
Expanded	H: (equivalent to ISO 51200)

When set to [Highlight tone priority], the available manual setting range is ISO 20032000.
Expanded ISO speeds cannot be set in HDR mode or for HDR shooting (HDR PQ).

ISO Auto setting range for still photo shooting: User-set Auto ISO maximum: 400 32000

ISO Auto details for still photo shooting

Shooting mode		No Flash	Using Flash	
			Compati ble Lens	Incompati ble Lens
Creativ e Zone	P / Tv / Av / M (other than bulb)	ISO 100 ^{*1*2} 32 000 ^{*2}	ISO 1006400 [*]	ISO 100 ^{*1*2} 160 0 ^{*2}
	M (bulb)	ISO 400 ^{*3}	ISO 400 ^{*3}	

Basic Zone	Scene Intelligent Auto / Hybrid Auto	ISO 1006400	ISO 1006400	ISO 1003200 ^{*4}
	Special Scene	Varies by shooting mode		
	Creative Filters	Varies by shooting mode		

*1: ISO 200 minimum when set to [Highlight tone priority: Enable/Enhanced].

*2: Varies depending on the [Max for Auto] settings.

*3: If outside the setting range, changed to the value closest to ISO 400.

*4: When using the built-in flash. ISO 1600 when using an external flash unit.

Exposure Compensation	User-set	±3 stops (in 1/3-stop increments)
	AEB	±3 stops (in 1/3-stop increments)
AE Lock	<p>(1) Automatic AE lock In One-Shot AF mode, AE is locked as soon as subjects are in focus.</p> <p>(2) User-applied AE lock By using the AE Lock button in P, Tv, Av, and M mode. Toggling: Press again to cancel and once more to refresh. Enabled in all metering modes.</p>	

Shutter

Type	<p>Electronically controlled focal-plane shutter. Rolling shutter, using the image sensor.</p> <p>(1) Electronic first curtain (2) Electronic shutter</p> <p>* When set to [Electronic], the camera makes no mechanical shutter sound. (An electronic shutter sound can be configured in [Beep] and [Volume: Shutter volume]). Note that the camera may make sounds other than the shutter release sound, such as sounds for aperture adjustment or the lens focus drive, or beeps. Moreover, using long exposure noise reduction with shutter speeds of 1 sec. or longer involves a mechanical second-curtain shutter, which produces a mechanical sound.</p> <p>* Bands of light may be displayed and captured images may be affected by light and dark banding when shooting under fluorescent lighting or other flickering light sources with the camera set to [Anti-flicker shoot.: Disable].</p>
Shutter Speeds	<p>Electronic 1st-curtain shutter: 1/4000th sec 30 seconds, in 1/3-step increments</p> <p>Electronic shutter: 1/8000th sec 30 seconds, in 1/3-step increments</p>
X-sync Speed	Elec. 1st-curtain: 1/250 sec. (flash not possible with Electronic shutter)

Shutter Release	Soft-touch electromagnetic release
Self Timer	10-sec. delay, 2-sec. delay, Continuous

Image Stabilization (IS mode)

Still Photo IS	In-body IS not provided. (lens optical Image Stabilization supported)
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External Speedlite

E-TTL flash metering	Evaluative (Face Priority) / Evaluative / Average
Accessory Shoe	Canon Multi-function accessory shoe Optional Canon AD-E1 adapter required for conventional shoe-mount flashes and accessories No traditional flash contacts on accessory shoe
E-TTL balance	Ambience priority, standard, flash priority
Flash Exposure Compensation	±3 stops (in 1/3-stop increments)
Continuous flash control	E-TTL each shot / E-TTL 1st shot

Drive System

Drive Modes and Continuous Shooting Speed (all maximum Drive speeds approximate)	Drive Modes	Operating Modes	Electronic 1st curtain	Electronic shutter
	Single Shooting		Yes	Yes
	High-speed Continuous Shooting +	One-Shot AF / Servo AF	12 shots/sec.*1*2	15 shots/sec.*2

	High-speed Continuous Shooting	One-Shot AF / Servo AF	7.6 shots/sec.*2	15 shots/sec.*2
	Low-speed Continuous Shooting	One-Shot AF / Servo AF	3.0 shots/sec.	5.0 shots/sec.
	Self-timer	10 sec.	Yes	Yes
		2 sec.	Yes	Yes
		Continuous shooting	Yes	Yes
	<p>*1: AE, flash metering, and WB do not change after the first shot in flash photography.</p> <p>*2: Slower maximum continuous shooting speed when set to Servo AF with lenses other than those in the lens list attached. For details on lenses that support the indicated continuous shooting speed, refer to the separate lens list.</p> <p>* With electronic first-curtain, maximum continuous shooting speed is (or may be) reduced in flash photography or anti-flicker shooting.</p> <p>* With certain lenses, zooming during continuous shooting with electronic shutter may cause changes in exposure even at the same f/number. Refer to the separate lens list for the applicable lenses. (Note that even with a zoom lens that is not listed in the list may result in exposure changes or flickering if sudden zooming is performed.)</p>			

HDR Shooting

Still-image HDR shooting	HDR PQ (HEIF images) HDR mode (final image composited from three initial images) HDR PQ and HDR can be combined Disable / Enable * Can be used in conjunction with Auto Lighting Optimizer.											
Still Photo HDR PQ	<table><tr><th>Recording format</th><th>Bit depth</th><th>Color sampling method</th><th>HDR specification</th></tr><tr><td>HEIF</td><td>10 bit</td><td>YCbCr 4:2:2</td><td>ITU-R BT.2100 (PQ)</td></tr></table>				Recording format	Bit depth	Color sampling method	HDR specification	HEIF	10 bit	YCbCr 4:2:2	ITU-R BT.2100 (PQ)
Recording format	Bit depth	Color sampling method	HDR specification									
HEIF	10 bit	YCbCr 4:2:2	ITU-R BT.2100 (PQ)									
Movie HDR PQ	According to setting of movie recording format * Cannot be set for XF-AVC S YCC420 8 bit											

Continuous HDR Shooting (still images)	1 shot only / Every shot (HDR mode shooting only)
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Video Shooting

Video resolution	4K (UHD only; 3840 x 2160 (16:9) oversampled from 6K recording 4K Crop (3840 x 2160; not oversampled) Full HD (1920 x 1080)																	
RAW video recording	Not Available																	
Video compression	LongGOP (equivalent to IPB); Intra (= All-I) for Time Lapse video recording																	
Video Gamma, Color Space options (in CP/Custom Picture menu)	Canon 709 Canon Log 3 PQ (HDR PQ; BT.2020) HLG (BT.2020) BT.709 Standard																	
Vertical video recording	Available (video shooting info display can be rotated, for shooting & playback) Vertical tripod socket on grip side of camera Auto Level display available during video recording																	
Audio recording	Built-in microphone; separate Left & Right Stereo inputs Noise detection microphone (for AF focus drive noise, white/floor noise) 16-bit/2 CH or 24-bit/4 CH recording possible (2 channel for built-in mic) 48 kHz sampling frequency 3.5mm stereo mini-jack (3-pin) for external mics Digital mic input at Multi-function Shoe (Canon DM-E1D Stereo Microphone, etc.) Auto or Manual sound recording levels (64 manual levels available) 3.5mm Headphone terminal (stereo mini-jack)																	
File Format	<div>Normal Movies</div> <table><tr><td>HDR PQ</td><td>Off</td><td>On</td></tr><tr><td>Container format</td><td colspan="2">MP4</td></tr><tr><td>Bit depth</td><td>8 bit</td><td>10 bit</td></tr><tr><td>Compression</td><td>H.264 / MPEG-4 AVC</td><td>H.265 / HEVC</td></tr><tr><td>Video signal recording range</td><td>Full range (0-255)</td><td>Full range (0-1023)</td></tr></table>			HDR PQ	Off	On	Container format	MP4		Bit depth	8 bit	10 bit	Compression	H.264 / MPEG-4 AVC	H.265 / HEVC	Video signal recording range	Full range (0-255)	Full range (0-1023)
HDR PQ	Off	On																
Container format	MP4																	
Bit depth	8 bit	10 bit																
Compression	H.264 / MPEG-4 AVC	H.265 / HEVC																
Video signal recording range	Full range (0-255)	Full range (0-1023)																

	Color sampling method		YCbCr 4:2:0		YCbCr 4:2:2	
	Standards compliance		Rec. ITU-R BT.709		Rec. ITU-R BT.2100	
	Color gamut		Rec.709		Rec.2020	
	Audio		AAC 48 kHz / 16 bit / 2CH * 4 channel input: Not supported			

Estimated Recording time, Movie Bit Rate and File Size for 4K (Up to 29.97)								
	Movie Recording Size			Total Recording Time (approx.)			Bit Rate / File Size (approx.)	Card Performance requirements
	Movie Recording	Frame Rate	Compression method	64 GB	128 GB	512 GB		
	XF-HEVCS YCC 422 10 bit	29.97 fps 25.00 fps 23.98 fps	Standard LG OP	1 hr. 3 min.	2 hr. 6 min.	8 hr. 24 min.	135 Mbps 968 MB/min.	UHS Speed Class 3 or higher
	XF-HEVCS YCC 420 10 bit	29.97 fps 25.00 fps 23.98 fps	Standard LG OP	1 hr. 25 min.	2 hr. 50 min.	11 hr. 20 min.	100 Mbps 718 MB/min.	UHS Speed Class 3 or higher
	XF-AVCS YCC 422 10 bit	29.97 fps 25.00 fps 23.98 fps	Standard LG OP	56 min.	1 hr. 53 min.	7 hr. 34 min.	150 Mbps 1075 MB/min.	UHS Speed Class 3 or higher
XF-AVCS	29.97 fps	Standard	1 hr. 25	2 hr. 50	11 hr. 20	100 Mbps	UHS Speed Class 3	

YCC 420 8 bit	25. 00 fps 23. 98 fps	LG OP	min .	min .	min .	718 MB/ min.	or higher
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- * Video bit rate indicates video only; audio and metadata are not included.
 * When [Audio format: AAC / 16bit / 2CH] is set.
 * Movie recording stops when the maximum recording time per movie is reached.

**Estimated Recording time, Movie
Bit Rate and File Size for 4K Crop
(50.00/59.94 fps)**

Movie Recording Size			Total Recording Time (approx.)			Bit Rate / File Size (ap prox.)	Card Perfor mance require ments
Mo vie Rec ordi ng	Fra me Rat e	Co mpr essi on met hod	64 G B	128 GB	512 GB		
XF- HEV C S YCC 422 10 bit	59. 94 fps 50. 00 fps	Sta nda rd LGO P	37 mi n.	1 hr. 15 min .	5 hr. 3 min .	225 Mb ps 161 2 MB/ min.	Video Speed Class V60 or higher
XF- HEV C S YCC 420 10 bit	59. 94 fps 50. 00 fps	Sta nda rd LGO P	56 mi n.	1 hr. 53 min .	7 hr. 34 min .	150 Mb ps 107 5 MB/ min.	UHS Speed Class 3 or higher
XF- AVC S YCC 422 10 bit	59. 94 fps 50. 00 fps	Sta nda rd LGO P	34 mi n.	1 hr. 8 min .	4 hr. 32 min .	250 Mb ps 179 1 MB/ min.	Video Speed Class V60 or higher
XF- AVC S YCC 420 8 bit	59. 94 fps 50. 00 fps	Sta nda rd LGO P	56 mi n.	1 hr. 53 min .	7 hr. 34 min .	150 Mb ps 107 5 MB/ min.	UHS Speed Class 3 or higher

- * Video bit rate indicates video only; audio and metadata are not included.
 * When [Audio format: AAC / 16bit / 2CH] is set.
 * Movie recording stops when the maximum recording time per movie is reached.

**Estimated Recording time, Movie
Bit Rate and File Size for Full HD**

Movie Recording Size			Total Recording Time (approx.)			Bit Rate / File Size (ap prox.)	Card Perfor mance requir ement s
Mo vie Rec ordi ng	Fra me Rat e	Co mpr essi on met hod	64 GB	128 GB	512 GB		
XF- HEV C S YCC 422 10 bit	119 .88 fps 100 .00 fps	Sta nda rd LG OP	1 hr. 25 min .	2 hr. 50 min .	11 hr. 20 min.	100 Mb ps 718 MB /mi n.	UHS Speed Class 3 or higher
	59. 94 fps 50. 00 fps 29. 97 fps 25. 00 fps 23. 98 fps		2 hr. 49 min .	5 hr. 39 min .	22 hr. 38 min.	50 Mb ps 360 MB /mi n.	SD Speed Class 10 or higher
XF- HEV C S YCC 420 10 bit	119 .88 fps 100 .00 fps	Sta nda rd LG OP	2 hr. 1 min .	4 hr. 2 min .	16 hr. 11 min.	70 Mb ps 503 MB /mi n.	SD Speed Class 10 or higher
	59. 94 fps 50. 00 fps 29. 97 fps 25. 00 fps 23. 98 fps		4 hr. 2 min .	8 hr. 4 min .	32 hr. 15 min.	35 Mb ps 253 MB /mi n.	SD Speed Class 6 or higher

XF-AVC S c YCC 422 10 bit	119 .88 fps 100 .00 fps	Standard LOG OP	1 hr. 25 min .	2 hr. 50 min .	11 hr. 20 min.	100 Mb ps 718 MB /mi n.	UHS Speed Class 3 or higher
	59. 94 fps 50. 00 fps 29. 97 fps 25. 00 fps 23. 98 fps		2hr. 49 min .	5 hr. 39 min .	22 hr. 38 min.	50 Mb ps 360 MB /mi n.	SD Speed Class 10 or higher
XF-AVC S YCC 420 8 bit	119 .88 fps 100 .00 fps	Standard LOG OP	2 hr. 1mi n.	4 hr. 2 min .	16 hr. 11 min.	70 Mb ps 503 MB /mi n.	SD Speed Class 10 or higher
	59. 94 fps 50. 00 fps 29. 97 fps 25. 00 fps 23. 98 fps		4 hr. 2 min .	8 hr. 4 min .	32 hr. 15 min.	35 Mb ps 253 MB /mi n.	SD Speed Class 6 or higher

* Video bit rate indicates video only; audio and metadata are not included.

* When [Audio format: AAC / 16bit / 2CH] is set.

* Movie recording stops when the maximum recording time per movie is reached.

Video AF	One Shot AF; Movie Servo AF available in AF Menu
Exposure Compensation	±3 stops (in 1/3-stop increments)
Time Code	Yes (Count up, Start time setting, Movie recording count, Movie play count, HDMI time code on/off, HDMI rec. command on/off, Drop frame enable/disable)

Movie Pre-recording	Not supported																				
Special frame rates	High Frame Rate recording (FHD only) up to 119.98 fps S & F (Slow & Fast recording mode): 120p, 60p, 30p, 12p, 6p, 3p User-selectable playback speed: 23.98p, 29.97p, or 59.94p Full HD only Audio not recorded																				
Time-lapse Movie Setting	<table><tr><td></td><td>Interval*1</td><td>No. of shots</td><td>Time required (max.)</td></tr><tr><td>Scene 1</td><td>24 sec.</td><td>30900*2</td><td>Approx. 1 hr.</td></tr><tr><td>Scene 2</td><td>510 sec.</td><td>30720*2 Approx.</td><td>Approx. 2 hr.</td></tr><tr><td>Scene 3</td><td>1130 sec.</td><td>30240*2</td><td>Approx. 2 hr.</td></tr><tr><td>Custom</td><td>2 sec. to 60 min.</td><td>23600*3</td><td>Approx. 150 days</td></tr></table> <p>*1: Can be set in 1-sec. increments. *2: Can be set in 30-shot increments. *3: Can be set in 1-shot increments.</p>		Interval*1	No. of shots	Time required (max.)	Scene 1	24 sec.	30900*2	Approx. 1 hr.	Scene 2	510 sec.	30720*2 Approx.	Approx. 2 hr.	Scene 3	1130 sec.	30240*2	Approx. 2 hr.	Custom	2 sec. to 60 min.	23600*3	Approx. 150 days
	Interval*1	No. of shots	Time required (max.)																		
Scene 1	24 sec.	30900*2	Approx. 1 hr.																		
Scene 2	510 sec.	30720*2 Approx.	Approx. 2 hr.																		
Scene 3	1130 sec.	30240*2	Approx. 2 hr.																		
Custom	2 sec. to 60 min.	23600*3	Approx. 150 days																		
Time-lapse Playback Frame Rate	29.97 (set to NTSC); 25.00fps (set to PAL)																				

LCD Screen

Type	TFT color, liquid-crystal monitor
Monitor Size	3.0-inch (screen aspect ratio of 3:2) 2.95 in./7.5cm diagonal (2.44 in./6.2cm width, 1.65 in./4.2cm height)
Dots	Approx. 1.04 million dots
Coverage	Approx. 100% vertically/horizontally
Brightness Control	Manually adjustable to one of seven brightness levels

Touch-screen Operation	Supported for AF Point selection; Touch AF; Touch Shutter; Menu selection; Quick Control Menu; Magnified View; Volume Touch Sounds: 0 (silent) to 5
Coating	Anti-smudge coating not provided. Anti-reflection coating not provided.
Interface Languages	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, Japanese)

Playback

Display Format

Item	Still Photo	Movie
Magnify zoom display	1.5×10× (15 levels)	
Electronic Level Size	Large/Small	Large/Small
Card Free (%) Display	Off / On	
Grid display	Off / 3×3 / 6×4 / 3×3+diag	
Zebra display		Yes
False Color display		Supported (six colors based on brightness level)
Rating	OFF / 1 to 5 Stars Select images / Select range / All images in folder / All images on card / All found images	
Image Search	Search conditions Rating / Date / Folder / Protection / Type of file	

	Protect	Select images / Select range / All images in folder / Unprotect all images in folder / All images on card / Unprotect all images on card / All found images
	Shooting information display	No information display / Basic information display / Detailed shooting information display
Highlight Alert	Blinking highlights during single image with info playback only cannot be user-enabled or disabled	
Histogram	Brightness / RGB	
Waveform monitor	Not available	

Quick Control Function

Function	The Quick Control screen can be accessed by pressing the Quick Control button during shooting, recording, or playback.
Quick Control Screen	<p>The following settings can be set in the [Quick Ctrl screen] menu during movie recording.</p> <p>Three options during video recording: Q1; Q2; Q3</p> <p>Display position selectable in Q1</p> <p>User-selectable in red Shooting Menu* When [Q]1 is set, [Lock disp. position: Enable/Disable], [Disp. position: Align right/Align left], and [Vertical position: Align top/Align bottom] in [Quick Ctrl disp position] are settable.</p>

Image Protection and Erase

Protection	(1) Single image (select image) (2) Select range (3) All images in a folder (4) All images on card Image browsing and image search can be based on ratings. Ratings-based image selections also possible with DPP. (5) All found images (only during image search)
Erase	Except protected images (1) Select images to erase (2) Select range (3) All images in folder (4) All images on card (5) All found images (only during image search)

Direct Printing

Compatible Printers	Not compatible with Direct printing / Pictbridge
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DPOF: Digital Print Order Format

DPOF	Compliant to DPOF Version 1.1
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Wi-Fi®

Supporting Standards	Equivalent to IEEE 802.11b/g/n/a/ac Standards
Transmission Method	DS-SS modulation (IEEE 802.11b) OFDM modulation - CSMA / CA (IEEE 802.11g/n/a/ac)
Transition Frequency (Central Frequency)	2.4 GHz band Frequency: 2412 to 2462 MHz Channels: 1 to 11 channels 5.0 GHz band Frequency: 5180 to 5825 MHz Channels: 36 to 165 channels
Connection Method	(1) Camera access point mode (2) Infrastructure mode

Security	Connection Method	Authentication	Encryption	
			Encryption	Key Format and Length
	Camera Access Point	WPA2 / WPA3-Personal	AES	ASCII 8 characters
		Open	Disable	
	Infrastructure	Open	WEP	Hexadecimal 10 digits Hexadecimal 26 digits ASCII 5 characters ASCII 13 characters
			Disable	
		Shared key	WEP	Same as WEP above
		WPA / WPA2 / WPA3-Personal	TKIP AES	1127 characters
Communication with a Smartphone	<p>Images can be viewed, controlled, and received using a smartphone. Remote control of the camera using a smartphone is possible depending on the Camera Connect specifications. Images can be sent to a smartphone. NFC connection: Not supported Supported images: JPEG, HEIF, RAW/C-RAW, MP4 video files Transcoding while sending: Size to send (original / reduced size); Quality to send (original / compressed)</p>			
Remote Operation Using EOS Utility	The camera can be controlled via Wi-Fi® or USB, with Canon EOS Utility software installed in a compatible Mac or Windows computer.			
Print from Wi-Fi® Printers	Supported			
Send Images to a Web Service	<p>image.canon: Video files (MP4) and JPEG, HEIF, RAW or C-RAW still images can be uploaded to image.canon servers. From image.canon, images can be sent to specific social media and 3rd-party cloud image services.</p>			

Bluetooth®

Standards Compliance	Bluetooth Specification Version 4.2 compliant (Bluetooth Low Energy technology)
Transmission Method	GFSK modulation
Bluetooth Pairing	Smartphone up to 10 devices; BR-E1 remote controller 1 unit

Video Calls / Streaming

USB Video Class (UVC)	Available * The camera is accessible to software (such as Zoom, MS Teams, Skype, etc.) on a computer once connected via USB
Live Switcher Mobile streaming	Available. * Connect devices (smartphone) to multiple cameras via Wi-Fi, the actual video to be streamed can be selected/switched using the app while streaming. Streaming is possible with YouTube, Facebook, etc.
HDMI Streaming	Available. * Connect devices (PC, external screen, video switcher) and the camera with an HDMI cable. Using apps such as OBS Studio, streaming is possible with Teams, Skype, YouTube, Facebook, etc.
Camera Connect streaming	Available. * Connect devices (smartphone) and the camera with Bluetooth, set up streaming, then stream via Wi-Fi. Streaming is possible with YouTube, Facebook, Twitch, etc.

Interface

USB Terminal	Equivalent to Super-Speed Plus USB (USB 3.2 Gen 2) For PC communication / smartphone communication (Live streaming not possible through USB) Terminal type: USB Type-C Shared with terminal for in-camera charging with USB Power Adapter PD-E1.
HDMI Out Terminal	HDMI micro OUT terminal (Type D) * HDMI CEC not supported * Images not displayed unless [For NTSC] or [For PAL] is set correctly for the TV video system
Clean HDMI Output	Provided
Microphone terminal	3-Pin Microphone IN

Headphone terminal	3.5mm diameter stereo mini-plug
Remote Control terminal	Canon E3 type (single pin socket)

Power Source

Battery	<p>Canon LP-E17 battery pack</p> <p>Battery charger: Canon LC-E17 charger; supplied with camera</p> <p>With the AC Adapter AC-E6N + DC Coupler DR-E18, AC power is possible (AC Adapter Kit ACK-E18 can also be used).</p> <p>USB Power Adapter PD-E1 or PD-E2 supports in-camera charging of Battery Pack LP-E17 when the camera is turned off and can supply power when the camera is turned on.</p>
Optional Battery Grip	Not supported
Battery Check	Automatic battery check with 4-level display when the power switch is turned ON.
Start-up Time	<p>Approx. 0.4 sec.</p> <p>Based on CIPA testing standards.</p>

Dimensions and Weight

Dimensions (W x H x D)	Approx. 4.58 x 3.37 x 2.71 in. / 116.3 x 85.5 x 68.8mm Based on CIPA standards.		
Weight	Body (including battery and card)*1	Approx. 0.82 lbs. (13 oz.)	Approx. 370 g
	Body only	Approx. 0.71 lbs (11.4 oz.)	Approx. 323 g

Operating Environment

Temperature Range	32104°F / 040°C working range
Humidity Range	85% or less working range