

Type	
Type	Digital single-lens non-reflex AF/AE camera
Image Processor	DIGIC X
Recording Media	SD card <ul style="list-style-type: none"> • SD card speed class-compatible. • Compatible with UHS-II • Eye-Fi cards and Multimedia cards (MMC) are not supported.
Compatible Lenses	Canon RF-S/RF lens group (excluding EF, EF-S and EF-M lenses) 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	CMOS sensor (compatible with Dual Pixel CMOS AF)
Effective Pixels	Approx. 24.2 megapixels
Sensor Size	Approx. 22.3 x 14.9 mm
Pixel Size	Approx. 3.72 μm square
Total Pixels	Approx. 25.5 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	(1) Self Cleaning Sensor Unit <ul style="list-style-type: none"> • Removes dust adhering to the low-pass filter. • At power off only / Enable / Disable. Performed automatically (taking about approx. 2 sec. as indicated on the screen) or manually (taking about approx. 7 sec. as indicated on the screen). • After manually activated cleaning, the camera will automatically restart (Power OFF to ON). • When [Multi Shot Noise Reduction], [Multiple exposures], or [HDR mode] is set, [Clean now] and [Clean manually] 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. • The dust coordinate data appended to the image is used by the EOS Canon Digital Professional Software to automatically erase the dust spots. • Not available in focus bracketing, RAW burst mode, or multiple-exposure shooting. (3) Manual cleaning (by hand)

Recording System	
Recording Format	Compliant to Design rule for Camera File system 2.0 and Exif 2.31*. *Supports time difference information.
Image Format	Still: JPEG, HEIF, RAW, Dual Pixel RAW, Raw Burst, C-RAW (CR3); Movies: ALL-I, IPB, IPB Light * Time-lapse movies only
HDR Mode- Continuous Shooting	(1) 1 shot only (2) Every shot
Advanced shooting operations	(1) Focus Bracketing (2) Interval Timer (3) Bulb Timer (4) Multi-Shot NR
Image Quality	<p>3:2 Aspect Ratio Large/HEIF/RAW: 6000 x 4000 Medium: 3984 x 2656 Small 1: 2976 x 1984 Small 2: 2400 x 1600</p> <p>4:3 Aspect Ratio Large: 5328 x 4000* Medium: 3552 x 2664 Small 1: 2656 x 1992* Small 2: 2112 x 1600* RAW: 6000 x 4000</p> <p>16:9 Aspect Ratio Large: 6000 x 3368* Medium: 3984 x 2240* Small 1: 2976 x 1680* Small 2: 2400 x 1344* RAW: 6000 x 4000</p> <p>1:1 Aspect Ratio Large: 4000 x 4000 Medium: 2656 x 2656 Small 1: 1984 x 1984 Small 2: 1600 x 1600 RAW: 6000 x 4000</p> <ul style="list-style-type: none"> • Values for Recording Pixels are rounded to the nearest 100,000th. • RAW/C-RAW images are generated at 3:2, with information added about the specified aspect ratio, and JPEG images are generated at the specified aspect ratio. • These aspect ratios (M / S1 / S2) and pixel counts also apply to resizing. <p>* Indicate an inexact proportion.</p>
File Numbering	The following file numbers can be set: File numbering methods <ul style="list-style-type: none"> a. Continuous numbering <ul style="list-style-type: none"> i. The numbering of captured images continues even after you replace the card. b. Auto reset <ul style="list-style-type: none"> i. When you replace the card, the numbering will be reset to start from 0001. If the new SD card already contains images, the numbering will continue from the last recorded image in the card.
RAW + JPEG / HEIF Simultaneous Recording	Simultaneous recording of any combination of RAW/C-RAW and JPEG/HEIF image-recording quality is supported.

Color Space	Selectable between sRGB and Adobe RGB
Picture Style	(1) Auto (2) Standard (3) Portrait (4) Landscape (5) Fine Detail (6) Neutral (7) Faithful (8) Monochrome (9) User Defined 1–3
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 (8) Custom ² (Custom WB) (9) Color temperature ¹ Effective also in twilight and sunset. ² Setting method options include [Custom White Balance] and [Shoot to set WB].
Auto White Balance	Option between ambience priority and white priority settings.
White Balance Shift	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. Blue/amber and magenta/green shift can be set at the same time.
Viewfinder	
Type	OLED color electronic viewfinder; approx. 2.36 million dots resolution
Coverage	Approx. 100% vertically and horizontally relative to the shooting image area (with image quality L, at approx. 22mm eyepoint).
Magnification / Angle of View	Approx. 0.95x / Approx. 28 degrees (with 3:2 display, a 50mm lens at infinity, -1 m ⁻¹)
Eye Point	Approx. 22mm (at -1 m ⁻¹ from the eyepiece lens end)
Dioptric Adjustment Range	Approx. -3.0 to + 1.0 m ⁻¹ (dpt)
Autofocus	
Focus Method	Dual Pixel CMOS AF
Number of AF zones available for Automatic Selection	AF area: Horizontal: Approx. 100% x Vertical: Approx. 100% Stills: Max. 651 zones (31 x 21) Movies: Max. 527 zones (31 x 17)
AF Working Range	EV -4 to 20 (f/1.2 lens*, center AF point, One-Shot AF, at room temperature, ISO 100) * Except RF lenses with a Defocus Smoothing (DS) coating.
Focusing brightness range (in movie recording)	Full HD 29.97fps : EV -3.5 to 20 With an f/1.2 lens*, center AF point, One-Shot AF, at room temperature, ISO 100 * Except RF lenses with a Defocus Smoothing (DS) coating.

AF Methods	AF Method
	Whole area AF
	Spot AF
	1-point AF
	Expand AF Area (Above, below, left and right, around)
	Expand AF Area: Around
	Flexible Zone AF 1,2,3
Subject to Detect	People, Animals, Vehicles, No Priority * Available with [AF Area] set to Whole area AF
Focus mode switch	AF / MF <ul style="list-style-type: none"> • Applies when an RF or RF-S lens without a focus mode switch is attached. • When lenses with a focus mode switch are attached, the setting on the lens takes precedence.
Exposure Control	
Metering Modes	Real-time metering with image sensor (384 zones [24x16 zone metering]) (1) Evaluative metering (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
Metering Range	Still Photo Shooting : EV -2 to 20 (at room temperature, ISO 100) Movie Recording: EV 0 to 20 (at room temperature, ISO 100)

	Mode dial	Shooting mode	
		Still photo shooting Power switch: On	
Exposure Control Modes	Basic Zone	A+	Scene Intelligent Auto
		Special scene SCN	<ul style="list-style-type: none"> • Self Portrait • Portrait • Smooth skin • Group photo • Landscape • Panoramic shot • Sports • Kids • Panning • Close-up • Food • Night Portrait • Handheld Night Scene • HDR Backlight Control • Silent shutter
		Creative filters	<ul style="list-style-type: none"> • Grainy B/W • Soft focus • Fish-eye effect • Water painting effect • Toy camera effect • Miniature effect • HDR art standard • HDR art vivid • HDR art bold • HDR art embossed
	Creative Zone	Fv	Flexible-priority AE
		P	Program AE
		Tv	Shutter-priority AE
		Av	Aperture-priority AE
		M	Manual exposure
		B	Bulb exposure
	Custom Shooting Modes	C1, C2	Custom shooting
Movie recording	Movies	Movie auto exposure	
		Movie manual exposure	
		HDR movies	

ISO Speed Range	Available ISO speeds; user-set			
	Normal	ISO 100–32000 (in 1/3- or 1-stop increments)		
	Expanded	H (equivalent to ISO 51200)		
	<ul style="list-style-type: none"> • For [Highlight tone priority], the settable ISO speed range will be ISO 200 to 32000. • Expanded ISO cannot be set for HDR mode or during HDR PQ shooting. 			
	User-defined ISO range - still photo shooting			
	ISO Speed Range	ISO speed		
	Minimum	L 100 – 32000 (in 1-stop increments)		
	Maximum	ISO 200 – H (51200) (in 1-stop increments)		
	* Expanded ISO speeds are noted as being "equivalent" to these speeds.			
	User-defined Auto ISO range - still photo shooting			
Auto Range	ISO speed			
Minimum	ISO 100–25600 (in 1-stop increments)			
Maximum	ISO 200–32000 (in 1-stop increments)			
ISO Auto details in still photo shooting				
Shooting mode		ISO speed		
Variable control of maximum ISO Auto limit for E-TTL		No Flash	Using Flash	
			Compatible lens Incompatible lens	
Creative Zone	P	ISO 100 ^{*1,2} –32000 ^{*2}	ISO 100 ^{*1,2} –6400 ^{*2}	ISO 100 ^{*1,2} –1600 ^{*2}
	TV			
	AV			
	M			
	B	ISO 400 ^{*3}	ISO 400 ^{*3}	ISO 400 ^{*3}
Basic Zone	A+	ISO 100–6400	ISO 100–6400	ISO 100–3200
	SCN	Varies by shooting mode		
	Creative Filters	Varies by shooting mode		
* 1: ISO 200 when [Highlight tone priority] is set to [Enable] or [Enhanced].				
* 2: Varies depending on [Maximum] and [Minimum] of [Auto range].				
* 3: If outside the setting range, changed to the value most close to ISO 400.				
Exposure Compensation			Photo	Movie
	Manual		±3 stops in 1/3- or 1/2-stop increments	
	AEB		±3 stops in 1/3- or 1/2-stop increments	
AE Lock	(1) Auto AE lock			
	<ul style="list-style-type: none"> • The metering mode for AE lock after one-shot focus can be customized in the AE lock meter menu. 			
AE Lock	(2) User-applied AE lock			
	<ul style="list-style-type: none"> • In the Fv, P, Tv, Av and M modes, enabled with the AE lock button. (Press again to update.) • Enabled in all metering modes. 			

Shutter																
Type	(1) Mechanical (2) Electronic 1st-Curtain (3) Electronic Shutter * A shutter release sound is not generated. However, note that the sounds other than the shutter release sound (aperture, focusing lens drive sound/electronic sound, etc.) may be generated. * In electronic shutter shooting under conditions such as flash firing by other cameras or with fluorescent lighting or other flickering light sources, a strip of light or banding due to the brightness difference may be recorded in the image.															
Shutter Speeds	When [Mechanical] or [Elec. 1st- curtain] is set: 1/4000-30 sec, bulb When [Electronic] is set: 1/4000-30 sec.															
X-sync Speed	Mechanical Shutter: 1/200 sec. Elec. 1st-curtain: 1/250 sec.															
Shutter Release	Soft-touch electromagnetic release															
Self Timer	10-sec. delay, 2-sec. delay															
Shutter Lag Time	<table border="1"> <thead> <tr> <th></th> <th>Mechanical Shutter</th> <th>Electronic 1st curtain</th> <th>Electronic shutter</th> </tr> </thead> <tbody> <tr> <td>Shutter-release time lag *Measured with shutter button pressed fully from half-pressed position</td> <td>Approx. 100 ms</td> <td>Approx. 50 ms</td> <td>Approx. 50 ms</td> </tr> </tbody> </table> <p>Based on Canon testing standards.</p>		Mechanical Shutter	Electronic 1st curtain	Electronic shutter	Shutter-release time lag *Measured with shutter button pressed fully from half-pressed position	Approx. 100 ms	Approx. 50 ms	Approx. 50 ms							
	Mechanical Shutter	Electronic 1st curtain	Electronic shutter													
Shutter-release time lag *Measured with shutter button pressed fully from half-pressed position	Approx. 100 ms	Approx. 50 ms	Approx. 50 ms													
Image Stabilization (IS mode)																
IS Mode Overview	Although the camera has no in-body IS, setting to Movie digital IS during movie recording will enable digital image stabilization. <table border="1"> <thead> <tr> <th>Item</th> <th>Still photo shooting</th> <th>Movie recording</th> </tr> </thead> <tbody> <tr> <td>Lens IS mode</td> <td>On / Off</td> <td>On / Off</td> </tr> <tr> <td>Movie digital IS</td> <td>Off / On^{*1}</td> <td>Off / On / Enhanced</td> </tr> <tr> <td>Still photo IS</td> <td>-</td> <td>-</td> </tr> <tr> <td>Focal length setting</td> <td>-</td> <td>-</td> </tr> </tbody> </table> <ul style="list-style-type: none"> • Simultaneous use of IS mode and Movie digital IS is supported in movie recording. <p>*1: Functions when recording movies in still photo shooting mode.</p>	Item	Still photo shooting	Movie recording	Lens IS mode	On / Off	On / Off	Movie digital IS	Off / On ^{*1}	Off / On / Enhanced	Still photo IS	-	-	Focal length setting	-	-
Item	Still photo shooting	Movie recording														
Lens IS mode	On / Off	On / Off														
Movie digital IS	Off / On ^{*1}	Off / On / Enhanced														
Still photo IS	-	-														
Focal length setting	-	-														
External Speedlite																
E-TTL balance	Ambience priority, standard, flash priority															
Compatible E-TTL Speedlites	Canon EX- and EL-series Speedlites															

E-TTL II Flash Metering	(1) Evaluative (Face Priority) (2) Evaluative (3) Average				
Slow Sync (P/Av modes)	Mechanical Shutter		Electronic 1st curtain		
	1/200–30 sec. auto		1/250–30 sec. auto		
	1/200–1/60 sec. auto		1/250–1/60 sec. auto		
	1/200 sec. (fixed)		1/250 sec. (fixed)		
Flash Function Menu	Provided for EX- and EL-series Speedlites				
Flash Exposure Compensation	±3 stops in 1/3- or 1/2-stop increments				
Continuous flash control	1. E-TTL each shot 2. E-TTL 1st shot				
Drive System					
Drive Modes and Continuous Shooting Speed	Drive Modes	AF Operation	Mechanical Shutter	Electronic 1st curtain	Electronic shutter
	Single Shooting		Yes	Yes	Yes
	High-speed Continuous shooting +	One-Shot AF	Max. approx. 15 shots/sec. ^{*1,6,8}	Max. approx. 15 shots/sec. ^{*1,6,8}	Max. approx. 23 shots/sec. ^{*3,8}
		Servo AF			
	High-speed Continuous shooting	One-Shot AF	Max. approx. 6.3 shots/sec. ^{*5,6,8}	Max. approx. 7.7 shots/sec. ^{*4,5,6,8}	Max. approx. 15 shots/sec. ^{*2,8}
		Servo AF			
	Low-speed Continuous Shooting	One-Shot AF	Max. approx. 3.0 shots/sec. ^{*5,6,*9}	Max. approx. 3.0 shots/sec. ^{*7,*9}	Max. approx. 3.0 shots/sec. ^{*8}
		Servo AF			
	Self-timer:10 sec / remote control		Yes ^{*8}	Yes ^{*8}	Yes ^{*8}
	Self-timer:2 sec / remote control		Yes ^{*8}	Yes ^{*8}	Yes ^{*8}
Self-timer: Continuous		Yes ^{*8}	Yes ^{*8}	Yes ^{*8}	
<p>*1: AE, flash metering, and WB do not change after the first shot in flash photography.</p> <p>*2: Note that maximum continuous shooting speed is slower when certain lenses are attached and AF operation is set to Servo AF.</p> <p>*3: Certain lenses support up to 23 shots/sec. Note that maximum continuous shooting speed is slower when other lenses are attached and AF operation is set to Servo AF.</p> <p>*4: Certain lenses support up to 7.7 shots/sec. Note that maximum continuous shooting speed is slower when specific lenses AF operation is set to Servo AF.</p> <p>*5: Continuous shooting speed is slower during flash photography (flash metering control: determined for each shot).</p> <p>*6: Continuous shooting speed is slower with anti-flicker shooting.</p> <p>*7: Continuous shooting speed is slower in flash photography with anti-flicker shooting.</p> <p>*8: Not available when set to [Dual Pixel RAW: Enable].</p> <p>*9: Continuous shooting speed is slower when set to Dual Pixel RAW.</p>					

Still Shooting with Mechanical Shutter or electronic 1st-curtain shutter, shot at approx. 15 fps

**Still photo file size /
Number of possible
shots / Maximum
burst for continuous
shooting**

	Image Quality	Mechanical shutter / Electronic 1st-curtain Approx. 15 shots/sec.		Electronic shutter Approx. 30 shots/sec.	
		SD Card (UHS-I) ^{*1}	SD Card [High-speed] (UHS-II) ^{*3}	SD Card (UHS-I) ^{*1}	SD Card [High-speed] (UHS-II) ^{*2}
JPEG ^{*3}	L (fine)	123	460	70	70
HEIF ^{*4}	L (fine)	90	190	56	60
RAW ^{*3}	RAW	21	29	18	21
	C-RAW	40	157	32	43
RAW+JPEG ^{*3}	RAW + L (fine)	21	23	18	19
	C-RAW + L (fine)	40	60	32	40
RAW+HEIF ^{*4}	RAW + L (fine)	21	23	17	17
	C-RAW + L (fine)	40	49	32	38

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

* Number of shots available varies depending on shooting conditions (including aspect ratio, subject, memory card brand, ISO speed, Picture Style, and Custom Function).

*1: When using a 32 GB UHS-I card that conforms to Canon testing standards.

*2: When using a 32 GB UHS-II card that conforms to Canon testing standards.

*3: When set to [HDR shooting (HDR PQ): Disable].

*4: When set to [HDR shooting (HDR PQ): Enable].

HDR Shooting and Movie Recording

HDR PQ Shooting

Disable / Enable
* Can be used in conjunction with Auto Lighting Optimizer.

**HDR PQ
Shooting - Still**

Recording format	Bit depth	Color sampling method	HDR specification
HEIF	10 bit	YCbCr 4:2:2	Rec. ITU-R BT.2100 (PQ)

**HDR PQ
Shooting - Movie**

Recording format	Bit depth	Color sampling method	HDR specification
MP4	10 bit	YCbCr 4:2:2	Rec. ITU-R BT.2100 (PQ)

Video Shooting

Focusing

Dual Pixel CMOS AF II

Movie Digital IS





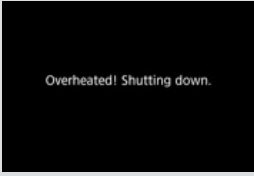
Supported

**Exposure
Compensation**

±3 stops in 1/3- or 1/2-stop increments

Canon Log

Not supported

Temperature Warning	The camera warns of rising internal temperatures by means of icons and indicators.				
	Status	Still photo image quality warning	Early warning	Intermediate	Late warning
	Display				
Definition	Blinking icon displayed. Still image quality declines (lower S/N ratio) as the image sensor heats up	Icon and indicator display starts. First stage of temperature warnings	Indicator level rises	Icon turns red and starts blinking. Indicator level becomes max. Less shooting time available status.	
		If the maximum internal temperature is reached, this guidance is displayed, and the camera automatically stops (power off state).			
Estimated Camera Recovery Time	Estimated recovery times are indicated below. These are affected by various factors such as ambient temperature, continued camera operation and the selected shooting resolution. The time until full record time is available, will vary with ambient temperature.				
	Resolution and Frame Rate	Waiting Period (73°F / 23°C)	Approximate Maximum Recording Time after Waiting Period (minutes)		
	4K 29.97p	5 min	Max. approx. 30 min.		
	* Less continuous recording time is available if the camera cools down with Live View display active (without recording) than if it cools down while turned off.				

Movie Recording Format

Standard Movie Recording

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
Color Gamut		Rec.ITU-R BT.709	Rec.ITU-R BT.2100
Audio	IPB	AAC	
	IPB (light)	AAC	

Movie recording size overview

	Resolution	Frame rate		Digital Zoom	Video Compression	Audio Compression
		NTSC	PAL			
4K UHD ^{*1}	3840 × 2160	29.97	50.00	Approx. 1X - 10X	IPB (Standard) IPB (Light)	AAC
		23.98	25.00			
4K UHD Crop		59.94	50.00			
Time-lapse movies 4K UHD		29.97 ^{*2}	25.00 ^{*2}		All-I	-
High Frame Rate	1920 × 1080	119.88 ^{*3}	100.00 ^{*3}		IPB (Standard) IPB (Light)	AAC
		59.94	50.00			
Full HD		29.97	25.00			
		23.98	25.00			
Time-lapse movies Full HD			29.97 ^{*2}	25.00 ^{*2}	All-I	-
HDR movies		29.97	25.00	IPB Standard	AAC	
Creative filters		29.97	25.00	IPB (Standard) IPB (Light)	AAC ^{*4}	

*1: Generated from 6K oversampling.

*2: Playback frame rate.

*3: Recording frame rate.

*4: Excluding when shooting with Miniature effect

HDR PQ: Off

Video Recording Size			Theoretical Recording Time (approx.)			Bit Rate/File Size (approx.)
			32 GB	128 GB	512 GB	
4K UHD	29.97 23.98	IPB	35 min.	2 hr. 21 min.	9 hr. 27 min.	120 Mbps 860 MB/min.
		IPB (Light)	1 hr. 10 min.	4 hr. 43 min.	18 hr. 52 min.	60 Mbps 431 MB/min.
4K UHD Crop	59.94	IPB	18 min.	1 hr. 14 min.	4 hr. 56 min.	230 Mbps 1647 MB/min.
		IPB (Light)	35 min.	2 hr. 21 min.	9 hr. 27 min.	120 Mbps 860 MB/min.
4K UHD (Time-lapse movie)	29.97	ALL-I	9 min.	36 min.	2 hr. 25 min.	470 Mbps 3362 MB/min.
Full HD (High Frame Rate movie)	119.88	IPB	35 min.	2 hr. 22 min.	9 hr. 28 min.	120 Mbps 858 MB/min.
		IPB (Light)	1 hr. 0 min.	4 hr. 3 min.	16 hr. 15 min.	70 Mbps 501 MB/min.
Full HD	59.94	IPB	1 hr. 10 min.	4 hr. 43 min.	18 hr. 52 min.	60Mbps 431 MB/min.
		IPB (Light)	2 hr. 0 min.	8 hr. 3 min.	32 hr. 15 min.	35 Mbps 252 MB/min.
	29.97 23.98	IPB	2 hr. 20 min.	9 hr. 23 min.	37 hr. 35 min.	30 Mbps 216 MB/min.
		IPB (Light)	5 hr. 47 min.	23 hr. 11 min.	92 hr. 47 min.	12 Mbps 88 MB/min.
Full HD (Time-lapse movie)	29.97	ALL-I	47 min.	3 hr. 9 min.	12 hr. 38 min.	90 Mbps 644 MB/min.

Estimated Recording Time and Data

- Bit rate only applies to video output, not audio or metadata.
- Movie recording stops when the maximum recording time per movie is reached.
- Sound is not recorded for approx. the last two frames when the compression method for movie recording quality is IPB (Standard) and the camera is set to [C.Fn 4-2 Audio compression: Enable] or IPB (Light) (audio: AAC). Moreover, the video and sound may be slightly out of sync when movies are played back in Windows.

**Estimated
Recording Time and
Data**

HDR PQ: On

Video Recording Size			Theoretical Recording Time (approx.)			Bit Rate/File Size (approx.)
			32 GB	128 GB	512 GB	
4K UHD	29.97 23.98	IPB	25 min.	1 hr. 40 min.	6 hr. 40 min.	170 Mbps 1218 MB/min.
		IPB (Light)	50 min.	3 hr. 20 min.	13 hr. 20 min.	85 Mbps 610 MB/min.
4K UHD Crop	59.94	IPB	12 min.	50 min.	3 hr. 20 min.	340 Mbps 2434 MB/min.
		IPB (Light)	25 min.	1 hr. 40 min.	6 hr. 40 min.	170 Mbps 1218 MB/min.
4K UHD (Time-lapse movie)	29.97	ALL-I	9 min.	36 min.	2 hr. 25 min.	470 Mbps 3362 MB/min.
Full HD (High Frame Rate movie)	119.88	IPB	23 min.	1 hr. 34 min.	6 hr. 19 min.	180 Mbps 1287 MB/min.
		IPB (Light)	42 min.	2 hr. 50 min.	11 hr. 22 min.	100 Mbps 715 MB/min.
Full HD	59.94	IPB	47 min.	3 hr. 9 min.	12 hr. 36 min.	90Mbps 646 MB/min.
		IPB (Light)	1 hr. 24 min..	5 hr. 39 min.	22 hr. 38 min.	50 Mbps 360 MB/min.
	29.97 23.98	IPB	1 hr. 34 min.	6 hr. 17 min.	25 hr. 8 min.	45 Mbps 324 MB/min.
		IPB (Light)	2 hr. 30 min.	10 hr. 3 min.	40 hr. 15 min.	28 Mbps 202 MB/min.
Full HD (Time-lapse movie)	29.97	ALL-I	31 min.	2 hr. 6 min.	8 hr. 25 min.	135 Mbps 966 MB/min.

- Bit rate only applies to video output, not audio or metadata.
- Movie recording stops when the maximum recording time per movie is reached.
- Sound is not recorded for approx. the last two frames when the compression method for movie recording quality is IPB (Standard) and the camera is set to [C.Fn 4-2 Audio compression: Enable] or IPB (Light) (audio: AAC). Moreover, the video and sound may be slightly out of sync when movies are played back in Windows.

LCD Screen																																					
Type	TFT color, liquid-crystal monitor																																				
Monitor Size	3.0-inch (screen aspect ratio of 3:2)																																				
Dots	Approx. 1.04 million dots																																				
Coverage	Approx. 100% vertically/horizontally																																				
Brightness Control	Manually adjustable to one of seven brightness levels																																				
Interface Languages	29 (English, German, French, Dutch, Danish, Portuguese, Finnish, Italian, Ukraine, Norwegian, Swedish, Spanish, Greek, Russian, Polish, Czech, Hungarian, Vietnamese, Hindi, Romanian, Turkish, Arabic, Thai, Simplified/Traditional Chinese, Korean, Malay, Indonesian, Japanese)																																				
Playback																																					
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Highlight Alert	The white areas with no image data will blink.																																				

Histogram	Brightness and RGB																									
Quick Control Function																										
Function	The Quick Control screen is accessed by pressing the Quick Control button during still photo shooting or during playback.																									
Image Protection and Erase																										
Protection	(1) Single image (select image) (2) Select range (3) All images in a folder (4) All images on card (5) Unprotect all images on card (6) All found images (only during image search) (7) Unprotect all found images																									
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																									
Direct Printing																										
Wireless Communications	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)																									
Transition Frequency (Central Frequency)	2.4 GHz band Frequency: 2412 to 2462 MHz Channels: 1 to 11 channels																									
Security	<table border="1"> <thead> <tr> <th rowspan="2">Connection Method</th> <th rowspan="2">Authentication</th> <th colspan="2">Encryption</th> </tr> <tr> <th>Encryption</th> <th>Key Format and Length</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Camera Access Point</td> <td>WPA2/ WPA3-Personal</td> <td>AES</td> <td>• ASCII 8 characters</td> </tr> <tr> <td>Open</td> <td colspan="2">Disable</td> </tr> <tr> <td rowspan="4">Infrastructure</td> <td rowspan="2">Open</td> <td>WEP</td> <td>• Hexadecimal 10 digits • Hexadecimal 26 digits • ASCII 5 characters • ASCII 13 characters</td> </tr> <tr> <td colspan="2">Disable</td> </tr> <tr> <td>Shared key</td> <td>WEP</td> <td>Same as WEP above</td> </tr> <tr> <td>WPA-PSK WPA2-PSK WPA3-Personal</td> <td>TKIP AES</td> <td>1-127 characters</td> </tr> </tbody> </table>	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-PSK WPA2-PSK WPA3-Personal	TKIP AES	1-127 characters
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Communication with a Smartphone	<p>Images can be viewed, controlled, and received using a smartphone.</p> <p>Remote control of the camera using a smartphone is possible depending on the Camera Connect specifications.</p> <p>Images can be sent to a smartphone.</p> <p>Firmware can be downloaded and saved to a card in the camera using Camera Connect.</p>
Remote Operation Using EOS Utility	The camera can be controlled via Wi-Fi® using EOS Utility.
Print from Wi-Fi® Printers	Supported
Send Images to a Web Service	<p>Still photos (RAW, C-RAW, HEIF, and JPEG) and movies (MP4) can be uploaded to image.canon server album.</p> <p>With the image.canon server, images can be sent to social media or a photo album link can be sent (by the image.canon specifications).</p>
Cloud RAW Image Processing via image.canon (firmware 1.1.0 or higher)	<p>Still RAW photos can be transferred to image.canon for RAW development using Deep Learning technology resulting in clearer images without losing detail through the reduction of noise, false color, moiré and jagged lines.</p> <p>*This feature requires a paid subscription (service begins July 25, 2022).</p>
Bluetooth®	
Standards Compliance	Bluetooth Specification Version 4.2 compliant (Bluetooth low energy technology)
Transmission Method	GFSK modulation

Customization

<p>Custom Functions</p>	<table border="1"> <thead> <tr> <th></th> <th>Still photo</th> <th>Movie</th> </tr> </thead> <tbody> <tr> <td>Shutter button (half-press)</td> <td>Yes</td> <td>-</td> </tr> <tr> <td>Movie shooting button</td> <td>Yes</td> <td>-</td> </tr> <tr> <td>Multi-function (<M-Fn> button)</td> <td>Yes</td> <td>Yes</td> </tr> <tr> <td>ISO speed button</td> <td>Yes</td> <td>Yes</td> </tr> <tr> <td>AF-ON button</td> <td>Yes</td> <td>Yes</td> </tr> <tr> <td>AE lock (<*>) button</td> <td>Yes</td> <td>Yes</td> </tr> <tr> <td>AF point button</td> <td>Yes</td> <td>Yes</td> </tr> <tr> <td>DOF preview button</td> <td>Yes</td> <td>Yes</td> </tr> <tr> <td>Lens function (<L-Fn> button)</td> <td>Yes</td> <td>Yes</td> </tr> <tr> <td>Cross keys: Up button</td> <td>Yes</td> <td>Yes</td> </tr> <tr> <td>Cross keys: Left button</td> <td>Yes</td> <td>Yes</td> </tr> <tr> <td>Cross keys: Right button</td> <td>Yes</td> <td>Yes</td> </tr> <tr> <td>Cross keys: Down button</td> <td>Yes</td> <td>Yes</td> </tr> <tr> <td>Set button</td> <td>Yes</td> <td>Yes</td> </tr> <tr> <td>Multi-controllers</td> <td>Yes</td> <td>Yes</td> </tr> </tbody> </table>		Still photo	Movie	Shutter button (half-press)	Yes	-	Movie shooting button	Yes	-	Multi-function (<M-Fn> button)	Yes	Yes	ISO speed button	Yes	Yes	AF-ON button	Yes	Yes	AE lock (<*>) button	Yes	Yes	AF point button	Yes	Yes	DOF preview button	Yes	Yes	Lens function (<L-Fn> button)	Yes	Yes	Cross keys: Up button	Yes	Yes	Cross keys: Left button	Yes	Yes	Cross keys: Right button	Yes	Yes	Cross keys: Down button	Yes	Yes	Set button	Yes	Yes	Multi-controllers	Yes	Yes
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<p>My Menu Registration</p>	<ul style="list-style-type: none"> • Up to six top-tier menu items and Custom Functions can be registered. • Up to five My Menu tabs can be added. <table border="1"> <tr> <td>My Menu tab overall operations</td> <td> <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>My Menu tab detailed operations</td> <td> <ul style="list-style-type: none"> • Selecting a registered item • Sorting registered items • Deleting selected registered items • Deleting registered items in a batch • Deleting tabs • Changing a tab name (16 ASCII characters) </td> </tr> </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 a registered item • 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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<p>Interface</p>																																																	
<p>USB Terminal</p>	<p>Hi-Speed USB (USB 2.0) equivalent</p> <ul style="list-style-type: none"> • Terminal type: USB Type-C • For computer communication / smartphone communication • USB battery charging / camera power supply 																																																

USB Cables Compatible with iPhones	<p>Operation with the following USB cables has been verified when connected to an iPhone.* Regardless of which cable is used, set the camera power to <OFF> before connecting the cable.</p> <ul style="list-style-type: none"> • When connecting a USB Type-C to Lightning cable Use an Anker 514 Lightning to USB-C Accessory Cable (0.9 m, for Camera). • When connecting a USB Type-C to USB Type-C cable Genuine Canon accessories are recommended (Interface Cable IFC-100U or IFC-400U). <p>* As of May 2022</p>
Video Out Terminal	<p>HDMI micro OUT terminal Type D (Resolution switches automatically) / CEC not compatible</p> <ul style="list-style-type: none"> • Images can be displayed through the HDMI output and on screen at the same time. • Images will not be displayed unless [NTSC] or [PAL] is properly set according to the video system of the TV set.
Clean HDMI output	Provided
Microphone input terminal	3.5mm diameter stereo mini jack
Headphone terminal	Not Supported
Remote control terminal	Remote Switch RS-60E3 type terminal supported
Wireless remote control	<ul style="list-style-type: none"> • Compatible with the Wireless Remote Control BR-E1
Multi-function shoe	Supported
Power Source	
Battery	<p>LP-E17</p> <ul style="list-style-type: none"> • With the USB Power Adapter PD-E1, in-camera charging is possible when camera is off.
Battery Check	<ul style="list-style-type: none"> • Automatic battery check when the power switch is turned ON. • Displayed in 4 levels
Start-up Time	<p>Approx. 0.4 sec.</p> <ul style="list-style-type: none"> • Based on CIPA testing standards.
Dimensions and Weight	
Dimensions (W x H x D)	<p>Approx. 4.82 x 3.46 x 3.28 in. / 122.5 x 87.8 x 83.4mm</p> <ul style="list-style-type: none"> • Based on CIPA standards.
Weight	<p>Approx. 0.84 lbs (13.48 oz) Body Only Approx. 0.94 lbs (15.14 oz) With battery, and memory card</p>
Operating Environment	
Working Temperature Range	32–104°F / 0–+40°C
Working Humidity Range	85% or less