

Specifications

Type of Camera	
Type	Digital camera with built-in flash, 5x Optical, 4x Digital and 20x Combined Zoom with Optical Image Stabilizer
Image Capture Device	
Type	20.1 Megapixel*, 1.0-inch stacked CMOS (sensor aspect ratio: 3:2) * Image processing may cause a decrease in the number of pixels.
Pixels	Effective Pixels: Approx. 20.1 Megapixels Total Pixels: Approx. 20.9 Megapixels
Lens	
Focal Length	8.8 (W) – 44.0(T) mm (35mm film equivalent: 24–120mm)
Optical Zoom	Approx. 5x
Digital Zoom	Approx. 4x
Focusing Range	Auto/Manual: 2.0 in. (5cm) – infinity (W), 7.9 in. (20cm) – infinity (T) Normal: 2.0 in. (5cm) – infinity (W), 7.9 in. (20cm) – infinity (T) Macro: 2.0 in. – 1.6 ft. (5–50cm) (W)
Autofocus System	TTL Autofocus, Manual Focus
Viewfinder & Monitor	
Viewfinder	Electronic Viewfinder (Approx. 2.36 million dots)
LCD Monitor	3.0-type TFT color liquid crystal (Vari-angle)
LCD Pixels	Approx. 1.04 million dots
LCD Coverage	Approx. 100%
Aperture & Shutter	
Maximum Aperture	f/1.8 (W), f/2.8 (T)
Shutter Speed	1–1/2000 sec. (in Auto mode) 15–1/2000 sec. (in Tv, M, and Manual Movie Modes) 1/4000 sec. (Movie Shooting) 1/2000 sec. (Time-lapse Movie)
Exposure Control	
ISO Sensitivity	Auto, ISO 125/160/200/250/320/400/500/640/800/1000/1250/1600/2000/2500/3200/4000/ 5000/6400 (When in Auto mode) Max. ISO Speed 12800 (When in P mode)
Lighting Metering Method	Evaluative, Center Weighted Average, Spot (Still image only)
Exposure Control Method	Manual Exposure, Program Shift, Safety Shift, AE Lock
Exposure Compensation	Still Images: ±3 stops in 1/3-stop increments Videos: ±3 stops in 1/3-stop increments

White Balance	
White Balance Control	Auto (Ambience & White priority), Day Light, Shade, Cloudy, Tungsten, White Fluorescent Light, Flash, Color Temperature, Custom
Flash	
Built-in Flash	Auto, On, Slow Synchro, Off
Flash Range	1.6 ft.(50cm) –24.6 ft. (7.5m) (W), 1.6 ft. (50cm) – 14.8 ft. (4.5m) (T) Image brightness may diminish depending on the shooting distance.
Flash Exposure Compensation	±2 stops in 1/3-stop increments
Shooting Specifications	
Picture Style	C, M, Av, Tv, P, Auto, Standard, Portrait, Landscape, Fine Detail, Neutral, Faithful, Monochrome, User Def.1-3
Creative Filters	Grainy B/W, Soft Focus, Fish-eye Effect, Art Bold Effect, Water Painting Effect, Toy Camera Effect, Miniature Effect <small>*Applicable only to images taken with same model.</small>
Self Timer	Off, 2 sec., 10 sec., Custom, Remote Shooting
Wireless Control	Unavailable
Electronic Level	Horizontal Roll Calibration, Vertical Pitch Calibration, Reset
Continuous Shooting	JPEG, RAW, C-RAW: One Shot AF: Approx. 20 shots/sec. JPEG Servo AF: Approx. 8 shots/sec. RAW Burst Mode: Approx. 30 shots/sec.
Image Storage	
Storage Media	SD/SDHC/SDXC and UHS-I Memory Cards
File Format	Design rule for Camera File system (DCF) compliant; DPOF (Version 1.1) compatible
Image Compression	Superfine / Fine
JPEG Compression Mode	Still Image: Exif 2.3 (DCF 2.0), RAW (Canon original: 14-bit, CR2) Video: MP4 (Image: MPEG-4 AVC/H.264; Audio: MPEG-4 AAC-LC [Stereo])

Number of Recording Pixels	Still Images:				
		16:9	3:2	4:3	1:1
	Large	5472 x 3072	5472 x 3648	4864 x 3648	3648 x 3648
	Medium	3648 x 2048	3648 x 2432	3248 x 2432	2432 x 2432
	Small 1 (S1)	2736 x 1536	2736 x 1824	2432 x 1824	1824 x 1824
	Small 2 (S2)	2400 x 1344	2400 x 1600	2112 x 1600	1600 x 1600
	RAW	-	5472 x 3648	5472 x 3648	-
	RAW+JPEG	-	-	-	-
	C-RAW	-	5472 x 3648	5472 x 3648	-
	C-RAW + JPEG	-	-	-	-
Panoramic Shooting			Min. Number of Recording Pixels	Max. Number of Recording Pixels	
	Vertical Shooting	3840 x 3648		16000 x 3840	
	Horizontal Shooting	5472 x 2560		26064 x 2560	
Approx. Number of Shots Recordable to 32 GB Memory Card			3:2	4:3	
	Large (L)	F	4535	4535	
		N	8062	8062	
	Medium	F	7742	7742	
		N	9999	9999	
	Small 1 (S1)	F	9999	9999	
		N	9999	9999	
	Small 2 (S2)		9999	9999	
	RAW		1335	1335	
	RAW+JPEG		1031	1031	
	C-RAW		2301	2301	
	C-RAW + JPEG		1525	1525	
<p>Note: F=Fine N=Normal</p> <p>* The approximate number of images recordable on memory cards other than the above can be calculated by using the above figures as a reference and extrapolating accordingly.</p>					

Shooting Mode	Pixels	Frame Rate		Approx. Total Movie Time Recordable to 32 GB Memory Card	Single Clip Approx. Recording Time* ¹	Video Recording Bit Rate
		Shooting	Playback			
Standard Movie	4K (3840 x 2160)	29.97 fps	29.97 fps	35 min. 29 sec.	9 min. 59 sec.	Approx. 120 Mbps
	FULL HD (1920 x 1080)	119.9 fps	119.9 fps	35 min. 33 sec.	7 min. 29 sec.	Approx. 120 Mbps
		59.94 fps* ¹	59.94 fps* ¹	1 hr. 10 min. 48 sec.	29 min. 59 sec.	Approx. 60 Mbps
	HD (1280 x 720)	29.97 fps	29.97 fps	2 hr. 20 min. 59 sec.	29 min. 59 sec.	Approx. 30 Mbps
		59.94 fps	59.94 fps	2 hr. 42 min. 28 sec.	29 min. 59 sec.	Approx. 26 Mbps

*¹ Using an SD Speed Class 10 / UHS-I compatible memory card.

- Single-time recording will stop automatically when single recording reaches maximum recordable time or memory card becomes full. Recording may stop even if the max. Recording time per single-time recording has not elapsed depending on the card used.
- On memory cards with a capacity of 32GB and below, movies that exceed 4GB are divided into multiple files (Max. approx. 4GB each). On memory cards with a capacity of 64GB and above, the movies are not divided and will save as a single file.

*Measured on a card that was formatted with this camera.

Playback Specifications	
Playback Functions	Story Highlights, Protect, Favorites, Erase, Print, Play Movie, Image Search, Slideshow, Rotate, Play Creative Shot Movies, Short Clip Mix, Resize, Red-Eye Correction, Print Settings, Photobook Set-up, Group Images, Auto Rotate, Resume, Image Jump with Control Ring/Front Dial, Set Touch Actions
Interface	
Video Out	NTSC
Audio Out	Stereo
Wired	USB (Type-C), HDMI (Type D)
Wireless	Bluetooth: Ver. 4.1 Wi-Fi®** Specifications: IEEE 802.11b/g/n Frequency: 2.4 GHz Channels: 1-11 Security: WEP, WPA-PSK (AES/TKIP), WPA2-PSK (AES-TKIP)
Other	Remote switch terminal available; direct connection to Canon SELPHY, PIXMA Photo Printers & PictBridge compatible printers
Power Supply	
Power Source	Battery Pack NB-13L, Battery Charger CB-2LH In-Camera Charging via USB Cable available through USB Power Adapter PD-E1 (Charging time: Approx. 110 min.)* * Charging time varies considerably depending on the remaining battery power

Shooting Capacity	<p>Still Images:: Approx. 230 shots with Screen On Approx. 180 shots with Viewfinder On Approx. 320 shots with ECO Mode</p> <p>Movie Recording Time: Approx. 55 min. with Screen On Approx. 45 min. with Viewfinder On</p>
Playback Time	Approx. 4 hr.
Physical Specifications	
Operating Temperature	32–104°F / 0–40°C
Operating Humidity	10–90%
Dimensions (W x H x D)	4.37 x 2.4 x 1.81 in. / 110.9 x 60.9 x 46.0mm
Weight	Approx. 12 oz. / 340g (including battery and memory card) Approx. 11.1 oz. / 316g (camera body only)