

Specifications

Type of Camera	
Type	Digital camera with built-in flash, 3x Optical, 4x Digital and 12x Combined Zoom with Optical Image Stabilizer
Image Capture Device	
Type	20.2 Megapixel*, 1.0-inch CMOS (sensor aspect ratio: 3:2) * Image processing may cause a decrease in the number of pixels.
Pixels	Effective Pixels: Approx. 20.2 Megapixels Total Pixels: Approx. 20.9 Megapixels
Lens	
Focal Length	10.2 (W) – 30.6 (T) mm (35mm film equivalent: 28–84mm)
Optical Zoom	Approx. 3x
Digital Zoom	Approx. 4x
Focusing Range	Auto/Manual: 2.0 in. (5cm) – infinity (W), 1.1 ft. (35cm) – infinity (T) Normal: 2.0 in. (5cm) – infinity (W), 1.1 ft. (35cm) – infinity (T) Macro: 2.0 in. – 1.6 ft. (5–50cm) (W)
Autofocus System	TTL Autofocus (Continuous, Servo AF), Manual Focus
Viewfinder & Monitor	
Viewfinder	N/A
LCD Monitor	3.0-type TFT color liquid crystal
LCD Pixels	Approx. 1.04 million dots
LCD Coverage	Approx. 100%
Aperture & Shutter	
Maximum Aperture	f/2.0 (W), f/4.9 (T)
Shutter Speed	1–1/2000 sec. (in Auto mode) 30–1/2000 sec. (in Tv, M, and Manual Movie Modes) BULB (in M mode only) 1/8 minimum in Manual Movie Mode
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)
Light Metering Method	Evaluative, Center Weighted Average, Spot
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, Day Light, Shade, Cloudy, Tungsten, Fluorescent, Fluorescent H, Flash, Custom1-2
Flash	
Built-in Flash	Auto, On, Slow Synchro, Off * Facial brightness is also evaluated in Face Detect.
Flash Range	1.6 (50cm) -20 ft. (6.0m) (W), 1.6 ft. (50cm) - 7.9 ft. (2.4m) (T) Image brightness may diminish depending on the shooting distance.
Flash Exposure Compensation	±2 stops in 1/3-stop increments
Hot Shoe Availability	Unavailable
Shooting Specifications	
Shooting Modes	C, M, Av, Tv, P, Hybrid Auto, Auto, Creative Shot, Portrait, Star Portrait, Star Nightscape, Star Trails, Star Time-Lapse Movie, Handheld Night Scene, Fireworks, High Dynamic Range, Nostalgic, Fish-eye Effect, Miniature Effect, Toy Camera Effect, Background Defocus, Soft Focus, Monochrome, Super Vivid, Poster Effect, Standard Movie, Short Clip, Manual Movie, iFrame Movie * Shooting movies is done with the movie button.
Photo Effects	My Colors Off, Vivid, Neutral, Sepia, Black & White, Positive Film, Lighter Skin Tone, Darker Skin Tone, Vivid Blue, Vivid Green, Vivid Red, Custom Color
Self-Timer	Off, Approx. 2 sec. delay, Approx. 10 sec. delay, Custom
Wireless Control	Unavailable
Electronic Level	Calibrate, Reset
Continuous Shooting	One Shot: Approx. 6.0 shots/sec. Servo: Approx. 4.3 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: 1) 16:9 - Large: 5472 x 3080; Medium 1: 4320 x 2432; Medium 2: 1920 x 1080; Small: 720 x 408 2) 3:2 - Large: 5472 x 3648; Medium 1: 4320 x 2880; Medium 2: 2304 x 1536; Small: 720 x 480 3) 4:3 - Large: 4864 x 3648; Medium 1: 3840 x 2880; Medium 2: 2048 x 1536; Small: 640 x 480 4) 1:1 - Large: 3648 x 3648; Medium 1: 2880 x 2880; Medium 2: 1536 x 1536; Small: 480 x 480 Videos: Full HD 1920 x 1080: 59.94 fps Full HD iFrame: 1920 x 1080: 29.97 fps Full HD Star Time-Lapse Movie: 1920 x 1080: 14.985 fps / 29.97 fps HD 1280 x 720: 29.97 fps 640 x 480: 29.97 fps Miniature Effect: 1280 x 720: 6 fps (5x speed) / 3 fps (10x speed) / 1.5 fps (20x speed) Miniature Effect: 640 x 480: 6 fps (5x speed) / 3 fps (10x speed) / 1.5 fps (20x speed) Short Clip: 1280 x 720: 29.97 fps

Approx. Number of Shots Recordable to 16 GB Memory Card			16:9	3:2	4:3	1:1		
	Large (L)	SF	2112	1786	2007	2669		
		F	3546	2999	3374	4498		
	Medium 1 (M1)	SF	3374	2857	3217	4262		
		F	5649	4810	5398	7145		
	Medium 2 (M2)	SF	13497	8377	9344	12459		
		F	24296	14724	16755	22087		
	Small (S)	SF	53992	48592	53992	69418		
		F	80988	69418	80988	97186		
	RAW		608	610	612	614		
Note: SF=Superfine F=Fine * 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.								
Time of Recordable Videos	Shooting Mode	Pixels	Frame Rate		Movie Size (KB/sec.)	Approx. Total Movie Time Recordable to 16 GB Memory Card	Single Clip Approx. Recording Time ^{*1}	Video Recording Bit Rate
			Shooting	Playback				
	Standard Movie	1920 x 1080 (Full HD)	59.94 fps	59.94 fps	4288	59 min. 30 sec.	10 min.	Approx. 35 Mbps
			29.97 fps	29.97 fps	2945	1 hr. 26 min. 5 sec.	29 min. 59 sec.	Approx. 24 Mbps
			23.98 fps ^{*2}	23.98 fps ^{*2}	2945	1 hr. 26 min. 5 sec.	29 min. 59 sec.	Approx. 24 Mbps
		1280 x 720 (HD)	29.97 fps	29.97 fps	992	4 hr. 5 min. 15 sec.	29 min. 59 sec.	Approx. 8 Mbps
		640 x 480 (VGA)	29.97 fps	29.97 fps	382	10 hr. 22 min. 35 sec.	1 hr.	Approx. 3 Mbps
	^{*1} Using an SD Speed Class 10 / UHS-I compatible memory card. • Recording stops automatically once the file size reaches 4 GB or the memory card becomes full. • Recording may stop unexpectedly if a memory card with a low Speed Class is used. ^{*2} Actual frame rate is 23.976 fps.							
	Playback Specifications							
	Playback Functions	Story Highlights, Protect, Favorites, Erase, Print, Group Playback, Play Movie, List/Play Digest Movies, Image Search, Slideshow, Rotate, Play Creative Shot Movies, Short Clip Mix, i-Contrast, Resize, Cropping, Red-Eye Correction, My Colors, Face ID Info, Print Settings, Photobook Set-up, Transition Effect, Index Effect, Scroll Display, Group Images, Auto Rotate, Resume, Image Jump with Control Ring, Set Touch Actions						
Erasing Specifications								
Erase Mode	Select Image, Select Range, Select All Images • The image data in the memory card stored with the Design rule for Camera File systems format can be erased (however, protected images cannot be erased). • Using the Movie editing function, sections of the movie can be deleted. • RAW+JPEG images can be erased individually.							
Interface								
Video Out	NTSC/PAL							
Audio Out	Stereo							
Wired	USB (Micro-B), HDMI (Type D)							
Wireless	Specifications: IEEE 802.11b/g/n Frequency: 2.4 GHz Channels: 1-11 Security: WEP, WPA-PSK (AES/TKIP), WPA2-PSK (AES-TKIP)							
Other	Direct connection to Canon SELPHY, PIXMA Photo Printers & PictBridge compatible printers							

Power Supply	
Power Source	Battery Pack NB-13L, AC Adapter Kit CA-DC10 (ACK-DC110) In-Camera Charging via USB Cable available through Compact Power Adapter CA-DC30 (Charging time: Approx. 5 hr.)* * Charging time varies considerably depending on the remaining battery power.
Shooting Capacity	Approx. 220 shots with Screen On Approx. 335 shots with ECO Mode
Playback Time	Approx. 5 hr.
Physical Specifications	
Operating Temperature	32–104°F / 0–40°C
Operating Humidity	10–90%
Dimensions (W x H x D)	3.86 x 2.28 x 1.21 in. / 98.0 x 57.9 x 30.8mm
Weight	7.37 oz. / 209g (including battery and memory card) 6.53 oz. / 185g (camera body only)