



## Specifications

Туре				
Туре	Digital single-lens non-reflex AF/AE camera			
Recording Media	SD Memory card, SDHC Memory card, SDXC Memory card *UHS-I compatible			
Image Format	Approx. 22.3 x 14.9mm (APS-C Size)			
Compatible Lenses	Canon EF-M, EF*, and EF-S* Lenses (35mm film equivalent focal length is approx. 1.6 times the lens focal length) *Requires Mount Adapter EF-EOS M			
Lens Mount	Canon EF-M mount			
Image Sensor				
Туре	CMOS sensor (supporting Hybrid CMOS AF II)			
Pixels	Effective Pixels: Approx. 18.0 Megapixels Total Pixels: Approx. 18.5 Megapixels			
Total Pixels	18.5 megapixels			
Aspect Ratio	3:2 (Horizontal: Vertical)			
Dust Removal Feature	Self Cleaning Sensor Unit (Ultrasonic vibration keeps the front layer of the CMOS sensor free of dust) Auto / Manual			
Recording Format				
File Format	Design Rule for Camera File System 2.0, Exif 2.3 compliant	Design Rule for Camera File System 2.0, Exif 2.3 compliant		
Data Type	JPEG, RAW (14-bit, Canon original) RAW+JPEG simultaneous recording possible			
Recording Pixels	L (Large)       Approx. 17.9 Megapixels (5184x3456)         M (Medium)       Approx. 12.4 Megapixels (4320x2880)         S1 (Small 1)       Approx. 5.5 Megapixels (2880x1920)         S2 (Small 2)       Approx. 3.5 Megapixels (2304x1536)         S3 (Small 3)       Approx. 350,000 pixels (720x480)         RAW       Approx. 17.9 Megapixels (5184x3456)			
Folder Setting	Monthly and daily can be selected			
File Numbering	Continuous, Auto reset			
Image Processing During Shooting				
Picture Style	Auto, Standard, Portrait, Landscape, Neutral, Faithful, Monochrome, User Def. 1–3			
White Balance	Auto, Preset (Daylight, Shade, Cloudy, Tungsten light, White fluorescent light, Flash), Custom white balance correction feature available			
Noise Reduction	Applicable to long exposures and high ISO speed shots			
Automatic Image Brightness Correction	Auto Lighting Optimizer			

Highlight Tone Priority	Provided		
Lens Aberration Correction	Peripheral illumination correction, Chromatic aberration correction		
Creative Assist	Background (Blurred-Sharp), Brightness (Dark-Light), Contrast (Low-High), Saturation (Neutral-Vivid), Color Tone (Cool-Warm), Monochrome		
Autofocus			
Туре	Hybrid CMOS AF II method (1-point AF, Face+Tracking priority AF)		
AF Points	49 points (Maximum)		
Focusing Brightness Range	EV 1–18 (at room temperature, ISO 100, with EF-M 22mm f/2 STM)		
AF Operation	One-Shot AF, Servo AF		
AF-assist Beam	Built-in (LED lamp)		
Exposure Control			
Metering Modes	Real-time metering using the image sensor Evaluative metering Partial metering Spot metering Center Weighted Avg.		
Brightness Metering Range	EV 1–20 (at room temperature, ISO 100)		
Exposure Control	(1) Program AE (modes other than Tv, Av, and M) (2) Shutter-priority AE (3) Aperture-priority AE (4) Manual exposure		
ISO Speed (Recommended Exposure Index)	Automatically or manually set in a range of ISO 100–12800 (equivalent to 25600 when expanded)  Max. auto ISO speed can be configured when mode dial is set to P, Tv, Av, M, or Movie mode  *Flicker detection		
Exposure Compensation	Manual: ±3 stops in 1/3-stop increments		
AE Lock	<ul> <li>(1) Auto</li> <li>• In the One-Shot AF mode with evaluative metering, AE is locked as soon as subjects are in focus.</li> <li>(2) Manual</li> <li>• Performed using the AE lock button.</li> </ul>		
Shutter			
Туре	Electronically controlled focal-plane shutter		
Shutter Speeds	1/4000 sec. to 30 sec. (total shutter speed range; available range varies by shooting mode), X-sync at 1/200 sec.		
Flash Units			
Built-in Flash	Retracting, manual pop-up flash Guide No. approx. 5m (at ISO 100) Supports angle of view equivalent to focal length of approx. 15mm (35mm film equivalent: approx. 24mm) Recharging time: approx. 3 sec. *Safety FE supported *Recharging time when using a fully charged battery pack		
Flash Metering Mode	E-TTL II autoflash		

Flash Exposure Compensation	±2 stops in 1/3-stop incre	ments			
	When EF-M 15–45mm $f/3.5$ –6.3 IS STM is attached				
	ISO	WIDE: 15mm	TELE: 45mm		
	100	1.6-4.6 (0.5-1.4)	1.6-3.0 (0.5-0.9)		
	200	1.6-6.6 (0.5-2.0)	1.6-4.3 (0.5-1.3)		
	400	1.6-9.5 (0.5-2.9)	1.6-5.9 (0.5-1.8)		
Range of Flash	800	2.3-13.1 (0.7-4.0)	1.6-8.2 (0.5-2.5)		
Photography (Approx.)	1600	3.3-18.7 (1.0-5.7)	1.6-11.8 (0.5-3.6)		
	3200	4.9-26.6 (1.5-8.1)	2.6-16.7 (0.8-5.1)		
	6400	6.9-37.4 (2.1-11.4)	3.9-23.3 (1.2-7.1)		
	12800	9.5–53.1 (2.9–16.2)	5.2-33.1 (1.6-10.1)		
	H: 25600 equivalent	13.5–75.1 (4.1–22.9)	7.9–46.9 (2.4–14.3)		
	(Approx. ft. [m])				
FE Lock	Provided				
Drive, Self-timer Sys	tem				
Drive Mode	Single shooting, Continuo	us shooting			
Continuous Shooting Speed (Approx.)	(1) One-Shot AF (all lenses): Max. approx. 4.6 fps (2) Servo AF (with EF-M 15–45mm f/3.5–6.3 IS STM at the telephoto end): Max. approx. 2.2 fps *Under default settings, with a shutter speed of 1/500 sec. or higher. *Continuous shooting speed may be lower depending on shutter speed, aperture value, subject conditions, brightness, type of lens, flause, battery level and other factors.				
	Image Quality	lmage File Size (Approx. MB)	Possible Shots (Approx. shots)	Max. Continuous Shooting Burst (Approx. shots)	
	Large/Fine	6.8	2208	1000	
	Large/Normal	4.4	3397	1000	
	M/Fine	5.8	2612	1000	
	M/Normal	3.6	4152	1000	
Maximum Burst	S1/Fine	3.0	5061	1000	
iviaxiiiluiii Dui St	S1/Normal	2.0	7592	1000	
	S2	1.8	8377	1000	
	S3	0.3	48592	1000	
	RAW	22.7	666	7	
	RAW+JPEG	RAW and JPEG total	512	4	
	* Image file size, number of possible shots, and maximum burst during continuous shooting are measured based on Canon's testing standards (3:2 aspect ratio, ISO 200, and Standard Picture Style), using a UHS-I compatible, 16 GB memory card that meets Canon's testing standards These values vary depending on the shooting conditions.				
Self-timer Mode	Off, 2-second self-timer, 10-second self-timer, Custom timer				
Still Photo Shooting					
Aspect Ratio Settings	3:2, 4:3, 16:9, 1:1				
Focus Mode	AF, MF, AF+MF (MF, and MF in AF+MF mode: approx. 5x/10x magnification and MF peaking supported)				
Continuous AF	Provided				
Touch Shutter	Provided				
Grid Display	Two types				
Depth-of-Field Preview	Provided				
Movie Shooting					
Recording System	MP4				
recording System					

Recording Size and Frame Rate	1920 x 1080 (Full HD): 29.97 fps / 23.98 fps* 1280 x 720 (HD): 59.94 fps 640 x 480 (SD): 29.97 fps *Actual frame rate: 23.976 fps.					
	Movie Recording Size		Total Recording Bit Rate (approx.)*1 (approx.)*2		ne File Size (approx.)	
	1920 x 1080 (FHD)	29.97 fps 23.98 fps*3	24 Mbps	1 hr. 26 min. 5 sec.	172.6 MB/min.	
Continuous Shooting Time Based on 16GB	1280 x 720 (HD)	59.94 fps	16 Mbps	2 hr. 8 min. 27 sec.	115.4 MB/min.	
Memory Card	640 x 480 (VGA)	29.97 fps	3 Mbps	10 hr. 22 min. 35 sec.	22.4 MB/min.	
	*1 Recording bit rate of movie images only, sound data not included. *2 Continuous shooting is possible until the memory card becomes full or the recording length for one movie reaches approx. 29 minutes 59 seconds. *3 Actual frame rate is 23.976 fps.					
Focusing	Hybrid CMOS AF II s	ystem (1-poin	t AF, Face+Tracking p	riority AF)		
Focusing Brightness Range	EV 1–18 (at room temperature, ISO 100)					
Focus Mode	AF, MF, AF+MF (Manual focus after One-Shot AF) (MF, and MF in AF+MF mode: MF peaking supported)					
Servo AF	Can be paused and r	esumed.				
Brightness Metering Range	EV 1–20 (at room temperature, ISO 100)					
Metering Mode	Evaluative metering					
Exposure Control	Movie auto exposure mode, miniature effect movie mode, still image mode:  Shutter speed of 1/30 to 1/4000 sec.*, with aperture and ISO speed set automatically.  Movie manual exposure mode:  Shutter speed of 1/30 to 1/4000 sec.*, with aperture and ISO speed (auto or a specific value) set manually.  *The minimum shutter speed is limited to 1/30 sec. at 24/25/30 fps or 1/60 sec. at 50/60 fps.					
Exposure Compensation	±3 stops in 1/3-stop	increments				
ISO Speed (Recommended exposure index)	Automatically or manually* set in a range of ISO 100–6400 (equivalent to 12800 when expanded) $*$ Manual mode only					
Miniature Effect Movie	Provided					
Still Image Shooting	Provided					
Grid Display	Two types					
Sound Recording	Built-in stereo microphone, recording level adjustable, wind filter provided, attenuator provided					
Screen (Monitor)						
Туре	TFT color, liquid-crystal monitor					
Screen Size	Wide 3.0-inches (Screen aspect ratio 3:2)					
Dots	Approx. 1.04 million dots					
Brightness Adjustment	Manual (5 levels)					
Angle Adjustment	Tilt type: Approx. 180	0° upward				
Interface Languages	25 (English, German, French, Dutch, Danish, Portuguese, Finnish, Italian, Norwegian, Swedish, Spanish, Greek, Russian, Polish, Czech, Hungarian, Romanian, Ukraine, Turkish, Arabic, Thai, Simplified/Traditional Chinese, Korean, Japanese)					
Hints & Tips	Displayable					

Playback Functions				
Image Display Format	Single image display, single image + info display (basic info, shooting info, histogram, lens info, Picture Style, noise reduction, correction data), image index (6/12/42/110), image rotate possible			
Zoom Magnification	Approx. 1.5x to 10x			
Highlight Alert	Overexposed highlights blink			
Image Browsing Methods	Single image, jump by 10 or 100 images, filter images (by shooting date, by people, by movies, by stills, by rating), Scroll Display			
Image Rotate	Provided			
Rating	Provided			
Image Search	Rating, Shot Date, People, Stills, Movie Digest			
Movie Playback	Enabled			
Protect Images	Provided			
Slideshow	All images * Playback is also possible after filtering the images using Image Search.			
Post-processing of I	mages (Possible only with images taken with same model)			
Creative Filters	Grainy B/W, Soft focus, Fish-eye effect, Art bold effect, Water painting effect, Toy camera effect, Miniature effect			
Resize	Provided			
Red-eye Correction	Provided			
Direct Printing				
Compatible Printers	PictBridge (USB and Wireless LAN)			
Printable Images	JPEG and RAW images (can print RAW images displayed as JPEG only with images taken with the same model), MP4			
Print Ordering	Complies to DPOF Version 1.1			
Custom Functions				
Custom Functions	6 types			
Copyright Info	Entry and inclusion possible			
Interface				
Digital Terminal	For communications with a computer and PictBridge (Hi-Speed USB equivalent)			
HDMI Mini OUT Terminal	Type C (Switches resolution automatically)			
Wi-Fi® (Wireless LAN				
Standards Compliance	IEEE 802.11b/g/n			
Transmission Method	DS-SS modulation (IEEE 802.11b), OFDM modulation (IEEE 802.11g/n)			
Transmission Range	Approx. 15m (49 ft.)  • When connected to a smartphone or tablet  • With no obstructions between transmitting and receiving antennas, and there is no radio interference			
Transmission Frequency (Central Frequency)	Frequency: 2412–2462 MHz, Channels: 1–11 ch			
Connection Method	Infrastructure mode*, Camera access point mode, Ad hoc mode *Wi-Fi*Protected Setup supported			
Security	Authentication method: Open system, WPA-PSK, WPA2-PSK Encryption: WEP, TKIP, AES			

Network Functions					
Transfer Images Between Cameras	Transferring one image, transferring selected images, transferring resized images				
Connection to Smartphones	Viewing, controlling, receiving images using a smartphone Sending images to smartphone connected via NFC Remote control of the camera using a smartphone				
Print from Wi-Fi° Printers	Images to be printed can be sent to a printer supporting Wi-Fi*				
Send Images to a Web Service	lmages in the camera or lir	nks to images can	oe sent to registered W	eb services	
View Images Using a Media Player	Images can be viewed using a DLNA-compatible media player				
Power Supplies					
Battery	One Battery Pack LP-E12 *AC power can be supplied with the AC Adapter Kit ACK-E12				
	Still images:				
	Temperature		Possible Shots		
	73°F/23°C		Арргох. 255		
	73°F/23°C in Eco Mode		Approx. 360		
	32°F/0°C		Approx. 210		
	* Based on CIPA measurement methods.  * With fully charged battery pack LP-E12.  * When EF-M 15-45mm f/3.5-6.3 IS STM is used.				
Dettemalify	Movies:				
Battery Life	Shooting Method	Temperature	Movie Shooting Time		
	Recordable Movie Time (Continuous Shooting*1)	73°F/23°C	Approx. 1 hr. 45 min.		
		32°F/0°C	Approx. 1 hr. 40 min.		
	Recordable Movie Time (Actual Use*2)	73°F/23°C	Approx. 1 hr. 5 min.		
	Continuous Playable Slideshow Time	73°F/23°C	Approx. 3 hr.		
	*With fully charged battery pack LP-E12.  *When EF-M 15–45mm f/3.5-6.3 IS STM is used.  *I Maximum recordable time under default movie mode settings with repeated capture after the maximum recording time for one movie has been reached.  *2 Maximum recordable time under default movie mode settings with operation of record, pause, power on/off, zoom, and other controls.				
Dimensions and Weig	ht				
Dimensions (W x H x D)	Approx. 4.25 x 2.62 x 1.38 in. (108.0 x 66.6 x 35.0mm)				
Weight	Approx. 10.6 oz. / 301g (Including body + battery pack + card) Approx. 9.35 oz. / 265g (Body only, excluding lens cap)				
Operating Environme	nt				
Working Temperature Range	32-104°F/0-40°C				
Working Humidity	85% or less				