

Type		
Type	Digital single-lens non-reflex AF / AE camera	
Recording Media	SD memory card, SDHC memory card, SDXC memory card * Compatible with UHS-I	
Image Sensor Size	Approx. 22.3 x 14.9mm	
Compatible Lenses	(1) Canon EF-M lenses	
	(2) Canon EF lenses (including EF-S lenses) * * With Mount Adapter EF-EOS M. (35 mm-equivalent focal length is approx. 1.6 times the lens focal length)	
Lens Mount	Canon EF-M mount	
Image Sensor		
Type	CMOS sensor	
Effective Pixels	Approx. 18.0 megapixels	
Aspect Ratio	3:2	
Dust Removal Feature	Auto, Manual	
Recording System		
Recording Format	Design rule for Camera File System (DCF) 2.0	
Image Type	JPEG, RAW (14-bit Canon original) RAW + JPEG simultaneous recording possible	
Recording Pixels	L (Large):	Approx. 17.9 megapixels (5184 x 3456)
	M (Medium):	Approx. 12.40 megapixels (4320 x 2880)
	S1 (Small 1):	Approx. 5.50 megapixels (2880 x 1920)
	S2 (Small 2):	Approx. 3.50 megapixels (2304 x 1536)
	S3 (Small 3):	Approx. 350,000 pixels (720 x 480)
	RAW:	Approx. 17.9 megapixels (5184 x 3456)
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 provided
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, Chromatic aberration
Autofocus	
Type	Hybrid CMOS AF II (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 with the image sensor. <ul style="list-style-type: none"> • Evaluative metering • Partial metering • Spot metering • Center-weighted average metering
Metering Range	EV 1 - 20 (at room temperature, ISO 100)
Exposure Control	Program AE (modes other than Tv, Av, and M), Shutter priority AE, Aperture priority AE, Manual exposure
ISO Speed (Recommended exposure index)	Manually set ISO 100 – 12800, ISO expansion to “H” (equivalent to ISO 25600) Max. auto ISO speed can be configured when mode dial is set to P, Tv, Av, M, or Movie mode
Exposure Compensation	Manual: ± 3 stops in 1/3-stop increments
AE lock	Auto, Manual
Shutter	
Type	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		
Built-in Flash	Retracting, manual pop-up flash Guide number approx. 5 (ISO 100/m) Supports angle of view equivalent to focal length of approx. 15mm (35mm-equivalent: approx. 24mm) Recharging time approx. 3 sec.	
Flash Metering	E-TTL II autoflash	
Flash Exposure Compensation	±2 stops in 1/3-stop increments	
FE LOCK	Provided	
Drive System		
Drive Modes	Single shooting, continuous shooting	
Self-timer Mode	Off, 2-second self-timer, 10-second self-timer, Custom timer	
Continuous Shooting Speed	Max. approx. 4.6 shots/sec.	
Max. Burst	JPEG:	Approx. 1000 shots
	RAW:	Approx. 7 shots
	RAW + JPEG Large / Fine	Approx. 4 shots
	* Figures are based on Canon's testing standards (ISO 200 and "Standard" Picture Style) using a 16 GB UHS-I memory card, which complies with Canon testing standards.	
Still Photo Shooting		
Aspect Ratio Settings	3:2, 4:3, 16:9, 1:1	
Focus Mode AF	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 Format	MP4	
Movie	MPEG-4 AVC/H.264 Variable (average) bit rate	
Audio	MPEG-4 AAC-LC	
	1920 x 1080 (Full HD)	30p / 25p / 24p

Recording Size and Frame Rate	1280 x 720 (HD)	60p / 50p
	640 x 480 (SD)	30p / 25p
	* 30p: 29.97 fps, 25p: 25.00 fps, 24p: 23.98 fps, 60p: 59.94 fps, 50p: 50.00 fps	
File Size	1920x1080 (30p / 25p / 24p)	Approx. 172.6 MB/min.
	1280x720 (60p / 50p)	Approx. 115.4 MB/min.
	640x480 (30p / 25p)	Approx. 22.4 MB/min.
Focusing	Hybrid CMOS AF II system (1-point AF, Face + Tracking priority AF)	
Focus Mode	AF, MF, AF+MF (Manual Focus after One-Shot AF) (MF, and MF in AF+MF mode: MF peaking supported)	
Metering Modes	Evaluative metering	
Servo AF	Can be paused and resumed	
Metering Range	EV 1 - 20 (at room temperate, ISO 100)	
Exposure Control	<p>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</p> <p>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</p> <p>* The minimum shutter speed is limited to 1/30 sec. at 24/25/30 fps or 1/60 sec. at 50/60 fps</p>	
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	
Sound Recording	Built-in stereo microphone, recording level adjustable, wind filter provided, attenuator provided	
Grid Display	Two types	
LCD Monitor		
Type	TFT colour, liquid-crystal monitor	

Monitor Size and Dots	Wide 3.0in. (3:2) with approx. 1.04 million dots
Angle Adjustment	Tilt type: Approx. 180° upward
Brightness Adjustment	Manual (5 levels)
Interface Languages	25
Hints and Tips	Displayable
Playback	
Image Display Formats	Single image display, Single image + Info display (Basic info, shooting info, histogram, lens info, Picture Style, noise reduction, and correction data), image index(6/12/42/110), image rotate possible
Zoom Magnification	Approx. 1.5x - 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	Provided
Protect Images	Provided
Slide Show	All images <ul style="list-style-type: none"> • Playback is also possible after filtering the images using Image Search
Post-Processing of Images	
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	
Type	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	DPOF Version 1.1 compatible

Custom Functions	
Custom Functions	6 types
Copyright Information	Entry and inclusion possible
Interface	
Digital Terminal	For communications with a computer and PictBridge (Hi-Speed USB equivalent)
HDMI Mini OUT Terminal	Type C (Switching resolution automatically)
Wi-Fi	
Standard Compliance	IEEE 802.11 b/g/n
Transmission Methods	DS-SS modulation (IEEE 802.11b), OFDM modulation (IEEE 802.11 g/n)
Transmission Range	Approx. 15m (49 ft.) *When connected to a smartphone or tablet *With no obstructions between transmitting and receiving antennas, there is no radio interference
Transmission Frequency (central frequency)	Frequency: 2412 to 2462 MHz Channels: 1 to 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 a 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	Images in the camera or links to images can be sent to registered Web services
View Images Using a Media Player	Images can be viewed using a DLNA-compatible media player
Power Supplies	

Battery	Battery Pack LP-E12 * AC power can be supplied via AC Adapter Kit ACK-E12
Battery Life (Based on CIPA testing standards)	Approx. 255 shots at 23°C / 73°F, approx. 210 shots at 0°C / 32°F
Movie Shooting Time	Approx. 1 hr. 45 min. at 23°C / 73°F Approx. 1 hr. 40 min. at 0°C / 32°F (with a fully-charged Battery Pack LP-E12)
Dimensions and Weight	
Dimensions (W x H x D)	Approx. 108 x 66.6 x 35.0mm / 4.25 x 2.62 x 1.38in.
Weight	Approx. 301g / 10.6 oz. (CIPA Guidelines : Body + Battery Pack + Card), Approx. 265g / 9.35 oz. (Body only, excluding lens cap)
Operating Environment	
Working Temperature Range	0°C - 40°C / 32°F - 104°F
Working Humidity	85% or less
Battery Pack LP-E12	
Type	Rechargeable lithium-ion battery
Rated Voltage	7.2 V DC
Battery Capacity	875 mAh
Working Temperature Range	During charging: 5°C - 40°C / 41°F - 104°F During shooting: 0°C - 40°C / 32°F - 104°F
Working Humidity	85% or less
Battery Charger LC-E12	
Compatible Battery	Battery Pack LP-E12
Recharging Time	Approx. 2 hours (at room temperature)
Rated Input	100 - 240 V AC (50 / 60 Hz)
Rated Output	8.4 V DC / 540 mA
Working Temperature Range	5°C - 40°C / 41°F - 104°F
Working Humidity	85% or less

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