

Specifications

Type	
Type	Digital single-lens non-reflex AF/AE camera
Recording Media	SD/SDHC/SDXC memory cards *UHS-I compatible
Image Format	Approx. 22.3 x 14.9mm (APS-C)
Compatible Lenses	EF-M lens (and EF/EF-S lenses when using Mount Adapter EF-EOS M) Equivalent to approximately 1.6x the focal length indicated on a mounted lens
Lens Mount	Canon EF-M mount
Image Sensor	
Type	Canon CMOS Sensor
Pixels	Effective pixels: Approx. 24.1 Megapixels Total pixels: Approx. 25.8 Megapixels *Pixel count may decrease due to image processing.
Pixel Unit	Square pixel approx. 3.72 μ m
Aspect Ratio	3:2
Dust Removal Feature	Auto/Manual
Recording System	
Recording Format	EXIF 2.31 (DCF2.0)
Image	JPEG/RAW (CR3 a Canon 14-bit RAW format)

File Size	<p>3:2 Aspect Ratio Large: 6000 x 4000 Medium: 3984 x 2656 Small 1: 2976 x 1984 Small 2: 2400 x 1600 RAW: 6000 x 4000 C-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 3368 C-RAW: 6000 x 3368</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: 5328 x 4000 C-RAW: 5328 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: 4000 x 4000 C-RAW: 4000 x 4000</p>
File Numbering	Continuous, Auto Reset, Manual Reset
RAW + JPEG Simultaneous Recording	Yes
Picture Style	Auto, Standard, Portrait, Landscape, Fine Detail, Neutral, Faithful, Monochrome, User Def. 1-3
White Balance	
Settings	<ul style="list-style-type: none"> • Auto (Ambience priority) • Auto (White priority) • Daylight (Approx. 5200K) • Shade (Approx. 7000K) • Cloudy (Approx. 6000K) • Tungsten light (Approx. 3200K) • White fluorescent light (Approx. 4000K) • Flash (Approx. 5200K) • Custom • Color temp. (Adjustable from 2500K to 10000K in 100K increments)
White Balance Correction	Blue/Amber: ±9 levels Green/Magenta: ±9 levels
Viewfinder	
Type	Built-in electronic color viewfinder with 0.39-type screen size and approx. 2.36 million dots
Grid Display	3 types
Depth Of Field Preview	Provided

Autofocus	
Type	Dual Pixel CMOS AF (Face+Tracking AF, Zone AF, 1-point AF)
AF Points	143/99 points
AF Working Range	EV -2-18 (at room temperature 73°F/23°C, ISO 100, when using EF-M 22mm f/2 STM)
Focusing Modes	(1) TTL Autofocus <ul style="list-style-type: none"> • One-Shot AF • Servo AF (2) Continuous AF (3) MF (Manual Focus) <ul style="list-style-type: none"> • MF Peaking • Electronic Manual Focus on Lens (Focus is manually adjusted after One-Shot AF operation)
Continuous AF	Provided
AF Assist Beam	Built-in LED lamp
Exposure Control	
Metering Modes	Real-time metering using the image sensor (1) Evaluative metering (384 zones) (2) Partial metering (6.4%) (3) Spot metering (2.8%) (4) Center-weighted average
Metering Range	EV 0-20 (at room temperature 73°F/23°C, ISO 100)
Exposure Control Systems	(1) Program AE (2) Shutter-priority AE (3) Aperture-priority AE (4) Manual exposure
ISO Speed Range (Recommended Exposure Index)	ISO Auto Range (AUTO mode): ISO 100-6400 Max. ISO Speed (P mode): ISO 25600 Max. Expanded ISO Speed (P mode): ISO 51200
Exposure Compensation	(1) Manual: ±3 stops in 1/3-stop increments (2) AE Bracketing: ±2 stops in 1/3-stop increments AE Bracketing can be used together with manual compensation.
AE Lock	Manual/Auto
Shutter	
Type	Electronically controlled focal-plane shutter
Shutter Speeds	1/4000 sec. to 30 sec. Highest flash-sync shutter speed: 1/200 sec.
Self Timer	Off, 2 sec. delay, 10 sec. delay, Custom, Remote Shooting
Time Lag (LCD Monitor On)	
Camera Start-up Time	Approx. 1.0 sec.
Built-in Flash	
Type	Manual pop-up flash
Guide Number	GN approx. 5/16.4 (ISO 100 m/ft.)
Flash Coverage	Covers approx. 15mm focal length (35mm film size conversion: approx. 24mm)
Flash Exposure Compensation	±2 stops in 1/3-stop increments

External Speedlite	
Flash Metering	E-TTL II autoflash
Flash Exposure Compensation	±2 stops in 1/3-stop increments
FE Lock	Provided
External Flash Settings	Flash functions settable with the camera
Drive System	
Drive Modes	Single shooting, Continuous shooting (High-speed continuous shooting, low-speed continuous shooting)

Continuous Shooting Time (Approx.)

JPEG

AF Type		Continuous Shooting Speed (Approx. shots/sec.)	No. of Shots at Constant Continuous Shooting Speed (Approx. shots)	Lens Used for Measurement	Measurement Conditions: Default Settings/Tv Value
One-Shot AF	High-speed continuous shooting speed	10.0	33	EF-M 15–45mm f/3.5–6.3 IS STM	1/500 sec. (min) or above
	Low-speed continuous shooting speed	4.0	1000		
Servo AF	High-speed continuous shooting speed	7.4	47	EF-M 15–45mm f/3.5–6.3 IS STM	1/500 sec. (min) or above
	Low-speed continuous shooting speed	4.0	1000		

RAW

AF Type		Continuous Shooting Speed (Approx. shots/sec.)	No. of Shots at Constant Continuous Shooting Speed (Approx. shots)	Lens Used for Measurement	Measurement Conditions: Default Settings/Tv Value
One-Shot AF	High-speed continuous shooting speed	10.0	10	EF-M 15–45mm f/3.5–6.3 IS STM	1/500 sec. (min) or above
	Low-speed continuous shooting speed	4.0	15		

C-RAW

AF Type		Continuous Shooting Speed (Approx. shots/sec.)	No. of Shots at Constant Continuous Shooting Speed (Approx. shots)	Lens Used for Measurement	Measurement Conditions: Default Settings/Tv Value
One-Shot AF	High-speed continuous shooting speed	10.0	16	EF-M 15–45mm f/3.5–6.3 IS STM	1/500 sec. (min) or above
	Low-speed continuous shooting speed	4.0	32		

Continuous shooting speed may become slower due to the following factors: Tv value/Av value/Subject conditions/Brightness/Lens type/Shooting with flash.

Video Shooting	
File Format	MP4 Video: MPEG-4 AVC / H.264 Audio: MPEG-4 AAC-LC (stereo)
File Size	Recording Sizes: 3840 x 2160 (4K UHD), 1920 x 1080 (Full HD) and 1280 x 720 (HD)
Frame Rates	[3840 x 2160]: 23.98 fps [1920 x 1080]: 59.94 fps / 29.97 fps / 23.98 fps [1280 x 720]: 119.9 fps / 59.94 fps

Continuous Shooting Time Based on a 32GB Memory Card

Movie Recording Size		Recording Bit Rate (Approx.)*	Recording File Size	Single Clip Recording Time	Recordable Time per a Memory Card
3840 x 2160	23.98 fps	120 Mbps	15000 KB/sec.	29 min. 59 sec.	35 min. 33 sec.
1920 x 1080	59.94 fps	60 Mbps	7500 KB/sec.		1 hr. 11 min. 7 sec.
	29.97 fps 23.98 fps	30 Mbps	3750 KB/sec.	2 hr. 22 min. 13 sec.	
1280 x 720	119.9 fps	52 Mbps	6500 KB/sec.	7 min. 29 sec.	1 hr. 22 min. 3 sec.
	59.94 fps	26 Mbps	3250 KB/sec.	29 min. 59 sec.	2 hr. 44 min. 6 sec.

* Recording bit rate of movie images only, sound data not included.

* Limitations of movie recording: continuous shooting is possible until the memory card becomes full or the recording length for one movie reaches approx. 29 minutes 59 seconds.

Metering Modes	Real-time metering using the image sensor (1) Center-weighted average
ISO Speed Range (Recommended Exposure Index)	3840 x 2160 (4K UHD) ISO Auto Range (AUTO and Manual mode): ISO 100-6400 1920 x 1080 (Full HD), 1280 x 720 (HD) ISO Auto Range (AUTO and Manual mode): ISO 100-12800 Expandable to ISO 25600
Exposure Compensation	±3 stops in 1/3-stop increments
LCD Monitor	
Type	TFT color liquid crystal monitor
Monitor Size	3.0 type
Pixels	Approx. 1.04 million dots
Features	Vari-angle
Touch-screen Panel	Electrostatic capacitance type
Brightness Control	Adjustable to one of seven brightness levels
Interface Languages	29 (English, German, French, Dutch, Danish, Portuguese, Finnish, Italian, Norwegian, Swedish, Spanish, Greek, Russian, Polish, Czech, Hungarian, Romanian, Ukrainian, Turkish, Arabic, Thai, Simplified/Traditional Chinese, Korean, Malay, Vietnamese, Indonesian, Hindi, Japanese)

Playback	
Display Format	(1) Single-image display (2) 1 shot + information display <ul style="list-style-type: none"> • Simple information • Detailed information <ul style="list-style-type: none"> Histogram Lens information Picture Style Noise reduction Correction data (3) Index display <ul style="list-style-type: none"> • 4-image • 9-image • 36-image • 100-image (4) Image rotate
Highlight Alert	Provided
Image Protection	Provided
Direct Printing	
Compatible Printers	PictBridge-compatible printers
Printable Images	JPEG and RAW* are printable. <small>* Prints JPEG images after RAW processing.</small>
Digital Print Order Format	
DPOF	DCF-compliant DPOF compatible (Version 1.1)
Customization	
Custom Controls (Camera Controls/ Buttons Customization)	Functions can be assigned to the following controls (set in Custom Functions): <ul style="list-style-type: none"> • Shutter button • Cross button (up, down, left, right) • AE lock button • M-Fn button • Movie button
Interface	
USB Terminal	Micro USB
Audio/Video OUT Terminal	HDMI OUT terminal Type D HDMI output while recording (shooting screen without sound) available HDMI output to HDR compatible TVs* available <small>* Movie playback not supported. JPEG images are not displayed in HDR.</small>
Power Source	
Battery	LP-E12

<p>Battery Life</p>	<p>Number of Still Image Shots (CIPA compliant: room temperature 73°F/23°C) Screen On*: Approx. 235 shots Electronic Color Viewfinder On*: Approx. 235 shots</p> <p>Number of Still Image Shots (Eco Mode On) Screen On**: Approx. 370 shots</p> <p>Movie Recording Time (CIPA compliant: room temperature 73°F/23°C) Screen On: Approx. 85 min. Electronic Color Viewfinder On: Approx. 85 min.</p> <p>Movie Recording Time*** (Continuous Shooting) Screen On: Approx. 130 min. Electronic Color Viewfinder On: Approx. 130 min.</p> <p>* Approx. 290 shots when power saving is enabled. ** Approx. 425 shots when power saving is enabled. *** Total shooting time when shooting is performed under the following conditions: using default AUTO Mode; without using zooming and other operations; when max. recording time per movie is reached and recording stops/resumes automatically.</p>
<p>Playback Time</p>	<p>Approx. 4 hr. * Time when playing back a slideshow of still images.</p>
<p>Dimensions and Weight</p>	
<p>Dimensions (W x H x D)</p>	<p>Approx. 4.6 x 3.5 x 2.3 in. (116.3 x 88.1 x 58.7mm) * CIPA compliant.</p>
<p>Weight</p>	<p>Black Approx. 12.4 oz. / 351g (body only) Approx. 13.7 oz. / 387g (including battery pack, memory card) * CIPA compliant.</p> <p>White Approx. 12.5 oz. / 354g (body only) Approx. 13.8 oz. / 390g (including battery pack, memory card) * CIPA compliant.</p>
<p>Operating Environment</p>	
<p>Working Temperature Range</p>	<p>32-104°F / 0-40°C</p>
<p>Working Humidity</p>	<p>85% or less</p>