

EOS M SPECIFICATIONS

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 14.9 mm
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. 18.00 megapixels
Aspect Ratio	3:2
Dust Delete Feature	Auto, Manual, Dust Delete Data appending

Recording System

Recording Format	Design rule for Camera File System (DCF) 2.0
Image Type	JPEG, RAW (14-bit Canon original) RAW+JPEG Large simultaneous recording possible
Recording Pixels	L (Large) Approx. 17.90 megapixels (5184 x 3456) M (Medium) Approx. 8.00 megapixels (3456 x 2304) S1 (Small 1) Approx. 4.50 megapixels (2592 x 1728) S2 (Small 2) Approx. 2.50 megapixels (1920 x 1280) S3 (Small 3) Approx. 350,000 pixels (720 x 480)
RAW	Approx. 17.90 megapixels (5184 x 3456)

Image Processing During Shooting

Picture Style	Auto, Standard, Portrait, Landscape, Neutral, Faithful, Monochrome, User Def. 1 - 3
Basic+	Ambience-based shots, Light/scene-based shots
Creative Filters	Grainy B/W, Soft focus, Fish-eye effect, Art Bold effect, Water Painting effect, Toy Camera effect, Miniature effect
White Balance	Auto, Preset (Daylight, Shade, Cloudy, Tungsten light, White Fluorescent Light, Flash), Custom White Balance correction and White Balance bracketing features provided *Flash color temperature information transmission enabled
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

Autofocus

Type	Hybrid CMOS AF
AF Points	31 points (Maximum)
Focusing Brightness Range	EV 1 - 18 (at 23°C/73°F, ISO 100)
AF Operation	One-Shot AF, Servo AF
Continuous AF	Possible
AF-assist Beam	YES (LED)

Exposure Control

Metering Modes	Real-time metering with the image sensor • Evaluative metering • Partial metering • Spot metering • Center-weighted average metering
Metering Range	EV 1 - 20 (at 23°C/73°F, ISO 100)
Exposure Control	Scene Intelligent Auto, Creative zone (Manual exposure, Aperture-priority AE, Shutter-priority, Program AE) Basic Zone (Creative Auto, Portrait, Landscape, Close-up, Sports, Night Portrait, Handheld Night Scene, HDR Backlight Control)
ISO Speed (Recommended exposure index)	Basic Zone modes*: ISO 100 - 6400 set automatically Handheld Night Scene: ISO 100 - 12800 set automatically Creative Zone modes: ISO 100 - 12800 set manually (whole-stop increments), ISO 100 - 6400 set automatically, maximum ISO speed settable for ISO Auto, or ISO expansion to "H" (equivalent to ISO 25600)

Exposure Compensation	Manual: ±3 stops in 1/3- or 1/2-stop increments AEB: ±2 stops in 1/3- or 1/2-stop increments (Can be combined with manual exposure compensation)
AE Lock	Auto: Applied in One-Shot AF with evaluative metering when focus is achieved Manual: With AE lock button

Shutter

Type	Electronically-controlled, focal-plane shutter
Shutter Speeds	X-sync at 1/200 sec *With a wide-angle lens, the shutter speed may be 1/60 sec. or slower. 1/4000 sec. to 30 sec., Bulb (Total shutter speed range. Available range varies by shooting mode.)

External Flash

Speedlite	EX Series Speedlites (Flash functions settable with the camera)
Flash Metering	E-TTL II autoflash
Flash Exposure Compensation	±2 stops in 1/3- or 1/2-stop increments
FE LOCK	Provided

Drive System

Drive Modes	Single shooting, continuous shooting, self-timer with 10-sec. or 2-sec. delay and 10-sec. delay with continuous shooting Max. approx. 4.3 shots/sec.
Continuous Shooting Speed	
Max. Burst (Approx.)	JPEG Large/Fine : 15 (17) shots RAW : 6 (6) shots RAW+JPEG Large/Fine : 3 (3) shots

*Figures are based on Canon's testing standards (ISO 100 and "Standard" Picture Style) using an 8 GB card
*Figures in parentheses apply to an UHS-I compatible 8 GB card based on Canon's testing standards

Movie Shooting

Movie Compression	MPEG-4 AVC/H.264, Variable (average) bit rate
Audio Recording Format	Linear PCM
Recording Format	MOV
Recording Size and Frame Rate	1920x1080 (Full HD) : 30p/25p/24p 1280x720 (HD) : 60p/50p 640x480 (SD) : 30p/25p * 30p: 29.97 fps, 25p: 25.00 fps, 24p: 23.976 fps, 60p:59.94 fps, 50p: 50.00 fps
File Size	1920x1080 (30p/25p/24p) : Approx. 330 MB/min. 1280x720 (60p/50p) : Approx. 330 MB/min. 640x480 (30p/25p) : Approx. 82.5 MB/min.
Focusing	Hybrid CMOS AF System* (Face+Tracking, FlexiZone-Multi, FlexiZone-Single) Manual focusing (approx. 5x/10x magnification possible) * Focusing brightness range: EV 1 - 18 (at 23°C/73°F, ISO 100)
Metering Modes	Center-weighted average and evaluative metering with the image sensor * Automatically set by the focusing mode
Servo AF	Provided
Metering Range	EV 1 - 20 (at 23°C/73°F, ISO 100)
Exposure Control	Program AE for movies and manual exposure
Exposure Compensation	±3 stops in 1/3-stop increments
ISO Speed (Recommended exposure index)	With autoexposure shooting : ISO 100 - 6400 set automatically With manual exposure : ISO 100 - 6400 set automatically/ manually expandable to H (equivalent to ISO 12800)
Video Snapshots	Settable to 2 sec./4 sec./8 sec.
Sound Recording	Built-in stereo microphone External stereo microphone terminal provided Sound recording level adjustable, wind filter provided, attenuator provided
Grid Display	Two types

LCD Monitor

Type	TFT color liquid-crystal monitor
Monitor Size and Dots	Wide, 7.7cm (3.0-in.) (3:2) with approx. 1.04 million dots
Angle Adjustment	Possible
Brightness Adjustment	Manual (7 levels)
Interface Languages	25
Touch Screen Technology	Capacitive sensing
Feature Guide	Displayable

Playback

Image Display Formats	Single-image display, Single-image + Info display (Basic info, shooting info, histogram), 4-image index, 9-image index, 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, by shooting date, folder, movies, stills, rating
Image Rotate	Possible
Ratings	Provided
Movie Playback	Enable (LCD monitor, video/audi OUT, HDMI OUT) Built-in speaker
Image Protect	Possible
Slide Show	All images, by date, folder, movies, stills, rating Five transition effects selectable
Background Music	Selectable for slide shows and movie playback

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	Possible

Direct Printing

Compatible Printers	PictBridge-compatible printers
Printable Images	JPEG and RAW images
Print Ordering	DPOF Version 1.1 compatible

Custom Functions

Custom Functions	7
My Menu Registration	Possible
Copyright Information	Entry and inclusion possible

Interface

Audio/video OUT/ Digital Terminal	Analog video (compatible with NTSC/PAL)/stereo audio output Personal computer communication and direct printing (Hi-Speed USB equivalent), GPS Receiver GP-E2 connection
HDMI mini OUT terminal	Type C (auto switching of resolution), CEC-compatible
External microphone IN Terminal	3.5 mm diameter stereo mini-jack
Wireless Remote Control Eye-Fi Card	Remote Controller RC-6 Compatible

Power Source

Battery	Battery Pack LP-E12 (Quantity 1) *AC power can be supplied via AC Adapter Kit ACK-E12
Battery Life (Based on CIPA Testing Standards)	Approx. 230 shots at 23°C/73°F, approx. 200 shots at 0°C/32°F
Movie Shooting Time	Approx. 1 hr. 30 min. at 23°C/73°F Approx. 1 hr. 20 min. at 0°C/32°F (with a fully-charged Battery Pack LP-E12)

Dimensions and Weight

Dimensions (W x H x D)	Approx. 108.6 x 66.5 x 32.3 mm / 4.28 x 2.62 x 1.27 in.
Weight	Approx. 298 x 10.5 oz. (CIPA Guidelines: Body + Battery Pack + Card) Approx. 262 g / 9.2 oz. (Body only)

Operation 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
Dimensions (W x H x D)	Approx. 32.5 x 12.5 x 48.5 mm / 1.3 x 0.5 x 1.9 in.
Weight	Approx. 35 g / 1.2 oz

Battery Charger LC-E12

Compatible Battery	Battery Pack LP-E12
Recharging Time	Approx. 2 hours (at 23°C/73°F)
Rated Input	100 - 240 V AC (50/60 Hz)
Rated Output	8.4 V DC / 0.54A
Working Temperature Range	5°C - 40°C / 41°F - 104°F
Working Humidity	85% or less
Dimensions (W x H x D)	Approx. 65 x 25.5 x 90 mm / 2.6 x 1.0 x 3.5 in.
Weight	Approx. 81 g / 2.9 oz

Battery Charger LC-E12E

Compatible Battery	Battery Pack LP-E12
Recharging Time	Approx. 2 hours (at 23°C/73°F)
Rated Input	100 - 240 V AC (50/60 Hz)
Rated Output	8.4 V DC / 0.54A
Working Temperature Range	5°C - 40°C / 41°F - 104°F
Working Humidity	85% or less
Dimensions (W x H x D)	Approx. 65 x 25.5 x 90 mm / 2.6 x 1.0 x 3.5 in.
Weight	Approx. 76 g / 2.7 oz (excluding power cord)

- All the data above is based on Canon's testing standards and CIPA (Camera & Imaging Products Association) testing standards and guidelines.
- Dimensions, maximum diameter, length and weight listed above are based on CIPA Guidelines (except weight for camera body only).
- Product specifications and the exterior are subject to change without notice.
- If a problem occurs with a non-Canon lens attached to the camera, consult the respective lens maker.