EOS M6
Mark II

Specifications

Type	
Type	Digital single-lens non-reflex AF/AE camera with built-in flash
Recording Media	SD, SDHC and SDXC Memory Cards SD speed class compatibility. UHS speed class compatibility. High-speed writing is supported when a UHS-I or UHS-II-compatible SD card is used. Multimedia cards (MMC) cannot be used (card error will be displayed).
Image Format	Approx. 22.3 x 14.8mm (APS-C Size)
Compatible Lenses	Canon EF-M lens (when using EF-M Mount Adapter: EF/EF-S lens group) Equivalent to approximately 1.6x the focal length indicated on a mounted lens

Image Sensor	
Type	CMOS sensor
Pixels	Effective pixels: Approx. 32.5 Megapixels Total pixels: Approx. 34.4 Megapixels * Pixels may decrease due to image processing..
Pixel Unit	Square pixel approx. 3.2 μm
Aspect Ratio	3:2
Dust Removal Feature	(1) Self Cleaning Sensor Unit • Removes dust adhering to the low-pass filter. • Self-cleaning can be done automatically when the power is turned on or off. Manual cleaning also possible. (2) Dust Delete Data acquisition and appending • The coordinates of the dust adhering to the low-pass filter are detected by a test shot and appended to subsequent images. • The dust coordinate data appended to the image is used by the EOS software to automatically erase the dust spots.

Recording System (Still)	
Recording Format	Design Rule for Camera File System 2.0 and EXIF 2.31* * Supports time difference information.
Image	JPEG, RAW (CR3 a Canon 14-bit RAW format), C-RAW.

File Size	Aspect Ratio	3:2	16:9	4:3	1:1
	Large	Approx: 32.3 MP 6960 x 4640	Approx:27.2 MP 6960 x 3904	Approx: 28.6 MP 6160 x 4640	Approx: 21.5 MP 4640 x 4640
	Medium	Approx: 15.4 MP 4800 x 3200	Approx: 12.9 MP 4800 x 2688	Approx: 13.6 MP 4256 x 3200	Approx: 10.2 MP 3200 x 3200
	Small 1 (S1)	Approx: 8.1 MP 3472 x 2320	Approx: 6.8 MP 3472 x 1952	Approx: 7.1 MP 3072 x 2320	Approx: 5.4 MP 2320 x 2320
	Small 2 (S2)	Approx: 3.8 MP 2400 x 1600	Approx: 3.2 MP 2400 x 1344	Approx: 3.4 MP 2112 x 1600	Approx: 2.6 MP 1600 x 1600
	RAW/ C-RAW	Approx: 32.3 MP 6960 x 4640	Approx: 32.3 MP 6960 x 4640	Approx: 32.3 MP 6960 x 4640	Approx: 32.3 MP 6960 x 4640

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	(1) Auto (Ambience/White priority) (2) Day Light (3) Shade (4) Cloudy (5) Tungsten light (6) White fluorescent light (7) Flash (8) Custom (9) Color temperature
White Balance Correction	Blue/Amber: ±9 levels Green/Magenta: ±9 levels White balance bracketing: available

Viewfinder

Viewfinder Information	Attachment EVF-DC1 or EVF-DC2 connect to the hot shoe. (Communication is performed through the use of a dedicated terminal attached to the shoe)

Autofocus

Type	Dual Pixel CMOS AF (Face+Tracking AF, Spot AF, Zone AF, 1-point AF)
AF Points / AF Area	Maximum 143 automatically selected Maximum 5481 manually selectable positions Horizontal: approx. 88% x Vertical: approx. 100% or Horizontal: approx. 80% x Vertical: approx. 80% (Automatic switching based on lens)
AF Working Range	EV -5–18 (at room temperature, ISO 100, f/1.4, center AF point, One-Shot AF)

Focusing Modes	(1) Autofocus
	  • One-Shot AF
	  • Servo AF
	(2) Manual focus
	(3) Movie Servo AF

Eye Detection AF	Provided
Continuous AF	Provided
Touch & Drag AF	Supported [With external EVF-DC1 or EVF-DC2] (Still photo shooting only)
AF Assist Beam	Built-in LED lamp
MF Peaking	Available (Level: High / Low, Color: Red / Yellow / Blue)

Movie Servo AF speed	Can be set when [Movie Servo AF: Enable] and [AF method: 1-point AF]. 	When active	*Always on / During shooting	 	AF Speed	Slow (-7, -6, -5, -4, -3, -2, -1), Standard, Fast (+1, +2)	 * Works with lenses compatible with slow focus shift during movie recording. *If [when active] is set to [During shooting], the [Standard] speed will be used before shooting and Movie Servo AF at the set AF speed will be used during recording.
Movie Servo AF Tracking Sensitivity	Can be set when [Movie Servo AF: Enable] and [AF method: 1-point AF]. (Locked on) -3, -2, -1, 0, +1, +2, +3 (Responsive)
Focusing Brightness Range	Still Photo Shooting: EV -5 to 18 (center AF point)(f/1.4, center AF point, One-Shot AF, at 23°C/73°F, ISO 100) Movie Recording: 4K movie: EV -2.5 to 18 (center AF point) Other than 4K movies: EV -3 to 18 (center AF point) (f/1.4, center AF point, One-Shot AF, at 23°C/73°F, ISO 100) Full HD at 29.97 / 25.00 fps

Exposure Control

Metering Modes	Real-time metering using the image sensor (1) Evaluative metering (384 zones 24 x16) (2) Partial metering (approx. 4.5% of screen, at center) (3) Spot metering (approx. 2.6% of screen, at center) (4) Center-weighted evaluative metering
Metering Range	EV -2–20 (at room temperature, ISO 100) Movie recording: EV 0–20 (at room temperature, ISO 100)
Exposure Control Systems	(1) Program AE (2) Shutter-priority AE (3) Aperture-priority AE (4) Manual exposure (5) Flexible-priority AE

ISO Speed Range (Recommended Exposure Index)	ISO Auto Range (AUTO mode): ISO 100–6400
	 Max. ISO Speed (P mode): ISO 25600
	 Creative Zone:
	  ISO Auto: ISO100-25600
	  Manually set:ISO100-25600, H(equivalent to 51200)
	 Basic Zone:
	 ISO Auto: Varies by shooting mode

Exposure Compensation	(1) Manual: ±3 stops in 1/3- or 1/2-stop increments (2) AE Bracketing: ±3 stops in 1/3- or 1/2-stop increments AE Bracketing can be used together with manual compensation.

Shooting Mode Overview	**Creative Zone**
	  1. Program AE (Shiftable)
	  2. Shutter-priority AE
	  3. Aperture-priority AE
	  4. Flexible-priority AE (FV)
	  5. Manual exposure
	  6. Custom shooting mode C1 or C2
	Basic Zone
	  1. Scene Intelligent Auto (Program AE/non-shiftable)
	  2. Hybrid Auto
	  3. Special Scene
	    a. Self Portrait
	    b. Portrait
	    c. Smooth skin
	    d. Landscape
	    e. Sports
	    f. Panning
	    g. Close-up
	    h. Food
	    i. Night Portrait
	    j. Handheld Night Scene
	    k. HDR Backlight Control
	  4. Creative Filters
	    a. Grainy B/W
	    b. Soft Focus
	    c. Fish-eye Effect
	    d. Toy Camera Effect
	    e. Miniature Effect
	    f. Water Painting Effect
	    g. HDR Art Standard
	    h. HDR Art Vivid
	    i. HDR Art Bold
	    j. HDR Art Embossed

AE Lock	Manual/Auto

Shutter

Type	Vertical-travel mechanical focal-plane shutter, electronically controlled at all speeds

Shutter Speeds	Creative zone: 1/4000 sec. to 30 sec., bulb
	  Highest flash-sync shutter speed: 1/200 sec
	  1/16000 when electronic shutter is selected.
	Basic Zone: 1/4000 - 1 sec.

Selection of Shutter Release method	Shutter Mode: Mechanical (mechanical first and second curtain) Electronic [not available with HDR shooting, long exposure noise reduction, high ISO speed noise reduction, high ISO speed noise reduction, flash photography, continuous shooting, when AEB is set, or when flicker is detected. Shutter sound will not occur. Sound generated from other than the shutter (such as aperture driving, focusing lens driving sound, or beeper) may be audible.
Timer Shooting	Bulb timer: Bulb exposure time settable Disable / Enable 1 sec. - 99 hr. 59 min. 59 sec.

Interval Timer	Disable / Enable Shooting interval: 10 sec. - 99 hr. 59 min. 59 sec. Number of shots: 1-99 unlimited * When using the lenses listed below, and if auto power off operates during interval timer shooting, the focusing position may be shifted. During interval timer shooting, disabling auto power off function or using lenses other than the following is recommended: (lenses) EF-M 22mm f/2 STM, EF-M 32mm f/1.4 STM.
Self Timer	Off, 2 sec. delay, 10 sec. delay, Custom, Remote Shooting, Continuous

Time Lag (LCD Monitor On)

Camera Start-up Time	Approx. 1.02 sec. (based on CIPA testing standards)

Built-in Flash

Type	Retractable Manual pop-up flash
Guide Number	Approx. 4.6/15.1 (ISO 100, meters/feet)
Flash Coverage	Covers approx. 15mm focal length (35mm film size conversion: approx. 24mm)
Flash Exposure Compensation	±2 stops in 1/3- or 1/2-stop increments

External Speedlite

Flash Metering	E-TTL II autoflash
Flash Exposure Compensation	±2 stops in 1/3- or 1/2-stop increments
FE Lock	Provided
External Flash Settings	Flash functions settable with the camera.

Drive System

Drive Mode	Single shooting, Continuous shooting (High-speed continuous shooting, high-speed continuous (+) shooting, low-speed continuous shooting), panning, self-timer: 10 sec/2 sec./remote control / continuous shooting
Focus Bracketing	Available
Continuous Shooting Speed (Approx.)	(see table below)

High-speed continuous + shooting[1]	ONE SHOT AF: Approx. 14 shots/sec. SERVO AF: Approx 14 shots/sec.
High-speed continuous shooting[1]	ONE SHOT AF: Approx. 7 shots/sec. SERVO AF: Approx 7 shots/sec.
Low-speed continuous shooting[1]	ONE SHOT AF: Approx. 3 shots/sec. SERVO AF: Approx 3 shots/sec.
Panning[2]	Approx 4 shots/sec.

[1] Conditions for max. Continuous shooting speed requires a fully charged Battery Pack LP-E17, lens: EF-M15-45mm f/3.5-6.3 IS STM, shutter speed of 1/1000 sec. or faster, maximum aperture f/3.5, room temperature of 73°F/23°C, without flicker reduction.
[2] With the shutter speed of 1/125, continuous shooting speed may vary depending on the shutter speed.
^BR-E1 is supported / RC-6 is not supported.

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Video Shooting

File Format	MP4 Video: MPEG-4 AVC / H.264, variable (average) bit rate Audio: MPEG-4 AAC-LC (stereo)

File Size	Recording Sizes: 3840 x 2160 (4K), 1920 x 1080 (Full HD), 1280 x 720 (HD), HDR movies, 4K Time-lapse movie, Full HD Time-lapse movie
Frame Rates	4K [3840 x 2160]: 29.97 fps Full HD [1920 x 1080]: 59.94 fps / 29.97 fps HD [1280 x 720]: 59.94 fps

Estimated Recording time, Movie bit rate, and File size

Movie Recording Size			Recording File Size			Bit rate/ File size (approx.)
			8 GB	32 GB	128 GB	
4k (UHD) (3840 x 2160)	29.97 fps	IPB	8 min.	35 min.	2 hr. 21 min.	120 Mbps 860 MB/min.
Full HD (1920 X 1080)	119.88 fps	IPB	8 min.	35 min.	2 hr. 22 min.	120 Mbps 858 MB/min.
	59.94 fps	IPB	17 min	1 hr. 10 min	4 hr. 43 min.	60 Mbps 431 MB/min.
	29.97 fps	IPB	35 min.	2 hr. 20 min.	9 hr. 23 min.	30 Mbps 216 MB/min.
	29.97 fps	IPB (light)	1 hr. 26 min.	5 hr. 47 min.	23 hr. 11 min.	12 Mbps 87 MB/min.
HD (1280 x 720)	59.94 fps	IPB	40 min.	2 hr. 42 min.	10 hr. 49 min.	26 Mbps 187 MB/min.

† Recording bit rate of movie images only, sound data not included.
* Movie recording stops automatically when the recording time reaches 29:59 (or 7:29 for a Full HD High Frame Rate Movie).
* Movie recording does not stop automatically if the file size reaches 4 GB. [With exFAT-formatted SDXC cards, a movie is recorded as a single movie file even if it exceeds 4 GB]
* The video and sound may be slightly out of sync when movies are played back in windows.

Metering Modes	Real-time metering using the image sensor: 384-zone (24 x 16) metering (1) Evaluative metering
ISO Speed Range (Recommended Exposure Index)	ISO Auto Range (AUTO and Manual mode): ISO 100–6400 Expandable to ISO 12800
Exposure Compensation	±3 stops in 1/3- or 1/2-stop increments

Sound Recording Adjustment

Sound Recording	Auto, Manual, Disable
Manual sound-recording level	64 levels
Attenuator	Auto / Enable / Disable
Wind filter	Auto/Disable
Sound-recording level meter	Provided (can be checked in sound recording menu)

Movie Digital IS

Movie Digital IS setting	4K	Full HD/HD
Disable	Approx. 100%	Approx. 100%
Enable	Approx. 90%	Approx. 90%
Enhanced	Approx. 70%	Approx. 70%

• Remains active when an IS lens is used with the IS switch set to ON.
• Provides 5-axis stabilization.
• Compatible lenses: EF-M15-45mm F3.5-6.3 IS STM, F-M 18-150mm F3.5-6.3 IS STM.
•Compatible with coordinated control (Combination IS)
  - Remains active when a combination IS-compatible lens is used.
  - With incompatible (non-IS) lenses, only stabilization by the camera is available.
  - Movie digital IS is not available for HDR movies (SCN), Creative filters, or time-lapse movies.

HDMI Resolution	Auto / 1080p
HDMI output for movie footage	Supported (HDMI information display)
HDMI HDR output	Supported
Color sampling method	Uncompressed YCbCr 4:2:2, 8-bit Uncompressed YCbCr 4:2:2, 10-bit Uncompressed RGB, 8-bit
Color space	BT.709, BT.601, BT.2020

HDMI Output / HDMI Output Information Display

• Content in the output format set on the camera is displayed on the device connected via HDMI.

• The content that can be displayed varies depending on the specifications of the monitor connected via HDMI. Thus,display matching camera settings may not be supported.

HDMI Information Display	Content Displayed via HDMI, Camera Operation
Auto	• Output of images and shooting information • Camera screen is turned off • Images are recorded to the card
Clean / 4K (UHD) output	• Output of images in up to 4K resolution* without information • Camera screen shows images with information • No image is recorded to the card • Wi-Fi communication disabled
Clean / Full HD output	• Output of images in up to Full HD resolution* without information • Camera screen shows images with information • No image is recorded to the card • Wi-Fi communication disabled

* If the monitor connected via HDMI does not support the camera output format, the resolution of the output format is lowered for display (but display may not be possible, depending on monitor specifications).

HDMI Resolution

HDMI Resolution	Resolution	NTSC
Auto	4K	29.97P
	1080	59.94p / 59.94pi
	480	59.94p
1080p	1080	59.94p / 59.94pi
	480	59.94p

LCD Monitor

Type	TFT color liquid crystal monitor
Monitor Size	3.0-type wide-screen
Pixels	Approx. 1.04 million dots
Features	Tilt (upwards approx. 180° + downwards approx. 45°)
Touch-screen Panel	Provided
Brightness Control	Adjustable to one of 7 brightness levels.
Interface Languages	29 (English, German, French, Dutch, Danish, Portuguese, Finnish, Italian, Norwegian, Swedish, Spanish, Greek, Russian, Polish, Czech, Hungarian, Vietnamese, Hindi, Romanian, Ukraine, Turkish, Arabic, Thai, Simplified/Traditional Chinese, Korean, Malay, Indonesian, and Japanese)

Playback

Display Format	(1) Single-image display
	(2) 1 shot + information display
	   • Simple information
	   • Detailed information
	     • Histogram
	     •Lens aberration correction 1, 2
	     • Picture Style 1, 2
	     •Noise reduction
	     •Correction data
	(3) Index display
	   • 4-image
	   • 9-image
	   • 36-image
	   • 100-image
	(4) Image rotation

Quick Control Dial	Provided
Image Protection	Provided
Image Processing After Shooting	In-camera RAW image processing: Brightness adjustment (up to 1 stops in 1/3-stop increments), white balance: auto white balance provides [Ambience priority] and [White priority] settings, picture style, auto lighting optimizer, high ISO speed NR, image quality, color space, lens aberration correction: peripheral illum corr, chromatic aberr corr, diffraction correction, distortion correction, digital lens optimizer.

Direct Printing

Compatible Printers	PictBridge-compatible printers
Printable Images	JPEG, RAW*/C-RAW files are printable. *Prints JPEG images used for display, which are taken on the same model.

Digital Print Order Format

DPOF	DCF-compliant DPOF compatible (Version 1.1)

Customization

Custom Controls (Camera Controls/ Buttons Customiza-tion)	Functions can be assigned to the following controls (set in Custom Functions): • Shutter button • Movie button • AF-ON button • AE lock button • Cross button (up, down, left, right) • SET button • M-Fn button • Dial function button • Vertical viewfinder display* • Viewfinder display format* • Frame rate switching* *With External Viewfinder.
Customized Dials	• Main dial • Control • Quick control dial
Custom Shooting Mode	• Current camera settings can be registered to C1 and C2 on the Mode Dial. • Automatic updating of the registered settings can be set to Enable or Disable.

Interface

USB Terminal	USB Type-C

Audio/Video OUT Terminal	HDMI OUT terminal Type D HDMI output while recording available CEC not supported.

Power Source

Battery	LP-E17 Operation using AC power supported with AC Adapter CA-PS700 and DC Coupler DR-E17. USB Power Adapter PD-E1 cannot be used to power EOS M6 Mark II, but can charge battery pack while in-camera.
Battery Life	Number of Still Image Shots (CIPA compliant) Monitor On: Approx. 305 shots* Electronic Color Viewfinder On: Approx. 250 shots * By default, the camera is set for power saving. Number of Still Image Shots (Eco Mode On) Monitor On: Approx. 410 shots Movie Recording Time (CIPA compliant) Monitor On: Approx. 1 hr 20 min. / Continuous Shooting: Approx. 2 hr. 15 min. Electronic Color Viewfinder On: Approx. 1 hr 10 min. / Continuous Shooting: Approx. 2 hr 15 min.
Playback Time	Approx. 5 hr. * Time when playing back a slideshow of still images. * With a fully charged LP-E17.

Dimensions and Weight

Dimensions (W x H x D)	Approx. 4.71 x 2.76 x 1.94 in. (119.6 x 70.0 x 49.2mm) * CIPA compliant.
Weight	Black: Approx. 12.73 oz. / 361g (body only) Approx. 14.39 oz. / 408g (including battery pack, memory card) * CIPA compliant. * Weighed without body cap Silver: Approx. 12.73 oz. / 361g (body only) Approx. 14.39 oz. / 408g (including battery pack, memory card) * CIPA compliant. * Weighed without body cap

Operating Environment

Working Temperature Range	32–104°F / 0–40°C
Working Humidity	85% or less