

Canon EOS-M Digital Camera	
Type	
Camera Type	Digital single-lens non-reflexive, AF/AE camera
Recording Media	SD/SDHC/SDXC card (Compatible with Ultra High-Speed UHS-I & Eye-Fi Cards)
Image Format	22.3 x 14.9 mm (APS-C size)
Compatible Lenses	Canon EF lenses including EF-S lenses (35 mm equivalent focal length is approx. 1.6x the lens focal length)
Lens Mount	Canon EF-M mount (Canon EF-M lenses can be mounted directly to the camera. Canon EF lenses (including EF-S lenses can be attached by using the optional Mount Adapter EF-EOS M)
Image Sensor	
Type	CMOS sensor
Effective Pixels (Approx.)	18MP
Total Pixels (Approx.)	18.5MP
Pixel Unit	4.3 μm square
Aspect Ratio	3:2 (horizontal : vertical)
Color Filter System	RGB primary color filters
Low-Pass Filter	Fixed position in front of the CMOS sensor
Dust Deletion Feature (1)	Self Cleaning Sensor Unit <ul style="list-style-type: none"> Removes dust adhering to the low-pass filter Self-cleaning executed automatically (taking approx. 2 sec) when power is turned On or Off; Manual execution also possible (taking approx. 5 sec)
Dust Deletion Feature (2)	Dust Delete Data Acquisition & Appending <ul style="list-style-type: none"> 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 provided software to automatically erase the dust spots
Dust Deletion Feature (3)	Manual Cleaning
Recording System	
Recording Format	Complies with Design rule for Camera File system 2.0 & Exif 2.30
File Size (Approx.)	Large: 17.9MP (5184 x 3456) Medium: 8MP (3456 x 2304) Small (1): 4.5MP (2592 x 1728) Small (2): 2.5MP (1920 x 1280) Small (3): 0.35MP (720 x 480) RAW: 17.9MP (5184 x 3456)
Backup Recording	N/A
File Numbering	The following 3 types of file numbering methods can be set: 1: Continuous Numbering (the numbering of captured images will continue even after you replace the camera's card) 2: Auto Reset (when you replace the camera's card, the numbering will be reset to start from 0001. If the new card already contains images, the numbering will continue from the last recorded image in the card) 3: Manual Reset (resets the file number to 0001 and creates a new folder automatically)
RAW + JPEG Simultaneous Recording	RAW & JPEG (large images are recorded simultaneously)
Color Space	sRGB, Adobe RGB
Picture Style	Auto, Standard, Portrait, Landscape, Neutral, Faithful, Monochrome, User Defined 1-3
White Balance	
Settings	Auto (approx. 3000 - 7000°K); Daylight (approx. 5200°K); Shade (approx. 7000°K); Cloudy; Twilight & Sunset (approx. 6000°K); Tungsten Light (approx. 3200°K); White Fluorescent Light (approx. 4000°K); Flash; Custom (Custom White Balance: approx. 2000 - 10,000°K)
Auto White Balance	Auto White Balance with the image sensor
Color Temperature Compensation	Blue/Amber bias: ±9 levels (correction based on the current WB mode's color temperature) Magenta/Green bias: ±9 levels (correction based on the current WB mode's color temperature)
Color Temperature Information Transmission	Provided
Viewfinder	
Type	TTL-CT-SiR AF-dedicated CMOS sensor
AF Points	31 points (max)
AF Working Range	EV 1-18 (at 73°F/23°C, ISO 100)
Focusing Modes (with Canon DF-M Lenses)	Autofocus (1-Shot AF or Servo AF) Manual Focus AF + MF (Manual Focus after 1-Shot AF)
AF Point Selection	Manual selection; Automatic selection (automatically set in Basic Zone modes)
Selected AF Point Display	Provided
AF-Assist Beam	Provided / Effective Range: approx. 8.2' (2.5 m) at center (with an EOS-dedicated Speedlite attached, the Speedlite's AF-assist beam is emitted instead. Compatible with assist beam (intermittent firing) of 320EX flash)
Exposure Control	
Metering Modes	Real-time metering with image sensor Evaluative metering, partial metering (center: approx. 11%), spot metering (center: approx. 2.8%), center-weighted average metering (AE lock possible. The active metering time can be changed)
Metering Range	EV 1-20 (at 73°F/23°C, EF-M 22 mm f/2 STM, ISO 100)
Exposure Control (Exposure Control Systems)	
Scene Intelligent Auto	Program AE (non-shiftable)
Creative Zone	Program AE (shiftable) Shutter-Priority AE Aperture-Priority AE Manual Exposure (including bulb)
Basic Zone	Creative Auto Portrait Landscape Close-Up Sports Night Portrait Handheld Night Scene Mode HDR Backlight Control Mode
Exposure Control (ISO Speed Range)	
For Video	Manual Setting range of ISO 100-6400 (expandable to ISO 12800)
For Stills	Manual Setting range of ISO 100-12800 (expandable to ISO 25600) Auto, ISO 100-6400 (in whole-stop increments) <ul style="list-style-type: none"> In Creative Zone modes, the maximum ISO speed (ISO 400, 800, 1600, 3200 or 6400) for ISO Auto can be set With C.Fn-6-1 (Highlight Tone Priority), ISO 200 or higher will be set
Shooting Mode (ISO 100-6400)	Scene Intelligent Auto, Creative Auto, Landscape, Close-Up, Sports, Night Portrait, HDR Backlight Control Mode, Handheld Night Scene Mode
Shooting Mode (ISO-6400 ¹)	P, Tv, Av, M ²
Shooting Mode (ISO-12800)	Night Portrait
Shooting Mode (ISO 400 Fixed ³)	With Flash (1) Fixed at ISO 400 for bulb exposures (2) Depends on the maximum ISO speed that has been set (3) If fill-flash will result in overexposure, the lowest ISO 100 is set (when using bounce flash with an external Speedlite in a Basic Zone mode or P mode, the ISO speed is set automatically within 400-1600 or maximum limit)
Exposure Control (Exposure Compensation)	
Manual	±3 stops in 1/3- or 1/2-stop increments
AEB	±2 stops in 1/3- or 1/2-stop increments <ul style="list-style-type: none"> Manual exposure compensation and AEB can be set in combination AEB is set in the following sequence: Standard Exposure, Decreased Exposure & Increased Exposure If AEB is used with the self-timer, the 3 bracketed shots will be taken in succession after the 10 sec or 2 sec delay
Exposure Control (AE Lock)	
Auto AE Lock	In the 1-Shot AF mode with evaluative metering, AE Lock takes effect when focus is achieved
Manual AE Lock	In the P, Tv, Av & M modes, enabled with the AE Lock button (press again to update) / Enabled in all metering modes
Shutter	
Type	Vertical-travel, mechanical, focal-plane shutter with all speeds electronically-controlled
Shutter Speeds (Settable in 1/3- or 1/2-stop Increments)	1/4000 - 1/60 sec, X-Sync at 1/200 sec (Scene Intelligent Auto) 1/4000 - 30 sec, bulb, X-Sync at 1/200 sec (total shutter speed range / available range varies by shooting mode)

Shutter Release	Soft-touch electromagnetic release
Self-Timer	10 sec or 2 sec (delay)
Shutter Lag Time (Approx.)	0.05 sec (during SW-1 ON, time lag between SW-2 ON and start of exposure) 0.2 sec (time lag between simultaneous SW-1/SW-2 ON and start of exposure) *Time lag with the aperture stopped down by 3 stops or less (excludes AF operation time)
Built-In Flash	
Type	N/A (for flash photography, Speedlite flashes are required for EOS M Digital Camera)
External Speedlite	
Flash Metering	E-TTL II autoflash (evaluative flash metering and average flash metering), FE Lock
Flash Exposure Compensation	±2 stops in 1/3- or 1/2-stop increments
FE Lock	Provided
PC Terminal	Not Provided
Drive System	
Drive Modes	Single Shooting Continuous Shooting 10 sec self-timer / remote control 2 sec self-timer Continuous Shooting after 10 sec self-timer (2-10 shots)
Continuous Shooting Speed	Approx. 4.3 fps (with 1-Shot AF or MF) *With Servo AF during continuous shooting, there are limitations depending on AF operation and the attached lenses
AF Operation (EF-M 18-55mm f/3.5-5.6 IS STM)	1-Shot (A condition before movie shooting): 4.3 fps / Servo AF during continuous shooting: Yes (1.7 fps) ¹
AF Operation (EF-M 22mm f/2 STM)	1-Shot (A condition before movie shooting): 4.3 fps / Servo AF during continuous shooting: Yes (1.2 fps) ¹
AF Operation (EF-S Lens)	1-Shot (A condition before movie shooting): 4.3 fps / Servo AF during continuous shooting: No (4.3 fps) (1) AF frame is fixed in frame chosen by (Face Detect + Tracking) and (FlexiZone - Multi) at the time of continuous shooting mode, and AF is carried out for the chosen AF frame
Maximum Burst	Based on 8GB memory card¹: JPEG Large/Fine: approx. 15 shots RAW: approx. 6 shots RAW + JPEG Large/Fine: 3 shots Based on UHS-I 8GB memory card²: JPEG Large/Fine: approx. 17 shots RAW: approx. 6 shots RAW + JPEG Large/Fine: 3 shots (1) Figures are based on Canon's testing standards (ISO 100 and "Standard" picture style) (2) Figures are based on Canon's testing standards (ISO 100 and "Standard" picture style)
Live View Functions	
Shooting Modes	Photo & Video shooting
Focusing (Autofocus)	Face Detection + Tracking AF FlexiZone - Multi (31 zones / AF at the touched zone) FlexiZone - Single
Metering Modes	Evaluative metering, partial metering, spot metering, center-weighted average metering
Metering Range	EV 1-20 (at 73°F/23°C, EF-M 22 mm f/2 STM, ISO 100)
Grid Display	Provided (2 grid-type displays)
Exposure Compensation	Provided
Silent Shooting	Not Provided
Video Shooting	
File Format	MOV (image data: H.264; audio data: Linear PCM Stereo)
File Size (Recording Size)	Full HD 1920 x 1080 (330 MB/min) HD 1280 x 720 (330 MB/min) SD 640 x 480 (82.5 MB/min)
Frame Rates	Full HD 1920 x 1080: 30p (29.97) / 25p / 24p (23.976) HD 1280 x 720: 60p (59.94) / 50p SD 640 x 480: 30p (29.97) / 25p
Continuous Shooting Time (Based on 8GB Memory Card)	1920 x 1080 (30/25/24 fps): approx. 22 min 1280 x 720 (60/50 fps): 22 min 640 x 480 (30/25 fps): 92 min
Continuous Shooting Time (Based on 16GB Memory Card)	1920 x 1080 (30/25/24 fps): approx. 44 min 1280 x 720 (60/50 fps): 44 min 640 x 480 (30/25 fps): 184 min
Focusing	Face Detection + Tracking AF FlexiZone - Multi FlexiZone - Single
Range for Videos	Auto ISO range: ISO 100-6400 Manual ISO range: ISO 100-6400 (expandable to 12800 in H mode) *If highlight tone priority is set, automatically set within ISO 200 or higher
Movie Servo AF	Enable/Disable selectable (works with all AF modes)
Exposure Control	Movie Auto Exposure Mode (shutter speed 1/30 - 1/4000 sec [signal accumulation time], aperture and ISO speed automatically set) Movie Manual Exposure Mode (shutter speed [signal accumulation time], aperture and ISO speed [auto/manual] manually set. The shutter speed [signal accumulation time] is limited to 1/4000 sec at the maximum and to 1/30 sec at the minimum for 24/25/30 fps or 1/60 sec or higher for 50/60 fps)
Exposure Compensation	Provided (±3 stops in 1/3-stop increments) *For video, exposure compensation will not be applied beyond ±3 stops even if the exposure compensation has been set beyond ±3 stops
LCD Monitor	
Type	TFT color, liquid-crystal monitor with Touch Panel LCD (capacitive type)
Monitor Size	3.0" / 7.6 cm (screen aspect ratio of 3:2)
Pixels (Approx.)	1040K dots
Coverage	170° vertical viewing angle & 170° horizontal viewing angle
Brightness Control	Adjustable to 7 levels
Coating	Anti-smudge coating
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
Image Playback	
Single Image Display Format	Single image, basic information, detailed information, histogram display
Index Display Format	4-image and 9-image index
Jump Display Format	1/10/100 images, shooting date, by folder, video, stills, ratings
Highlight Alert	On the detailed information and histogram displays, highlight areas with no image data will blink
Quick Control Function	
Items	When you press the Quick Control button under the following conditions, you can set the functions below (the settable functions depend on the shooting mode) During Still Photo Shooting: AF operation, AF method, image-recording quality, Creative filters, white balance, Picture Style, Auto Lighting Optimizer & metering mode During Movie Shooting: AF method, image-recording quality (stills), movie-recording size, video snapshot, white balance, Picture Style & Auto Lighting Optimizer
Image Protection & Erase	
Protect	Erase protection can be applied/canceled for a single image, all images in a folder, or all images in the card
Erase	Erase single image, erase selected images, erase all images on folder, erase all images in a card, or erase only unprotected images
Direct Printing	
Compatible Printers	PictBridge-compatible printers
Printable Images	JPEG images complying to Design rule for Camera File System / RAW images printable / Video cannot be printed
Digital Print Order Format	
DPOF	DPOF print ordering provided (Complies to DPOF Version 1.1) *If both Standard and Index are set, only Standard will take effect for printing
Customization	
Custom Functions	7 Custom Functions with 19 settings settable with the camera
Custom Controls (Camera Controls/Buttons Customization)	N/A
My Menu Registration	Up to 6 top-tier menu options and Custom Function settings can be registered

Interface	
USB Port	For personal computer communication and direct printing (USB 2.0 Hi-Speed)
Audio/Video Output	1: Video Output (NTSC/PAL selectable) 2: Mini-HDMI output
Microphone Input	1/8" (3.5 mm) stereo jack
Extension System Terminal	N/A
Power Source	
Battery	1 x LP-E12 battery pack (with AC Adapter Kit ACK-E12, AC power is possible)
Battery Life at 73°F (23°C)	Approx. 230 shots (still photo shooting); 90 min (video shooting)
Battery Life at 32°F (0°C)	Approx. 200 shots (still photo shooting); 80 min (video shooting)
Battery Check	Automatic battery level check when power is turned ON (battery level indicated in one of four levels on LCD monitor)
Power Saving	Power turns off after the set time of non-operation elapses *Auto Power Off settable to 30 sec, 1 min, 2 min, 4 min, 8 min, 15 min or disable
Date/Time Battery	Built-in secondary battery (when fully-charged, the date/time can be maintained for about 3 months)
Startup Time (Approx.)	1.6 sec with EF-M 18–55mm f/3.5–5.6 IS STM Lens (based on CIPA standards) *The times are different according to the attached lens
Operation Environment	
Working Temperature Range	32-104°F (0-40°C)
Working Humidity Range	0-85%
Dimensions & Weight	
Dimensions (WxHxD)	Approx. 4.28 x 2.62 x 1.27" (108.6 x 66.5 x 32.3 mm)
Weight (Body Only)	Approx. 9.2 oz (262 g)
Weight (According to CIPA Standards)	Approx. 10.5 oz (298 g)