

EOS M6

Capture the moments that no one else notices

For the moments that no one else notices. The EOS M6 is your creative companion, packing the speed, quality and performance of a DSLR wherever you go.



24.2 MEGA PIXELS
CMOS

DIGIC 7

Dual Pixel CMOS AF

7.0
Frames Per Sec

5-Axis Digital IS

FULL HD
60p
Recording

Wi-Fi / NFC

Bluetooth

Big on quality, small in size

- Inside the EOS M6's compact body you'll find a large 24.2-megapixel CMOS sensor that produces superb images, even in low light or high-contrast conditions.

Blazing performance when you need it the most

- With Dual Pixel CMOS AF you can focus as quickly and accurately as a DSLR, and track objects automatically as they move around the frame

New levels of movie creativity

- Full HD movies are sharp and steady, thanks to Dual Pixel CMOS AF that refocuses smoothly and a 5-axis Image Stabilizer that smooths-out camera movements

A blend of compact and DSLR

- Our most portable EOS yet, perfect for travel photography and blogging. Explore our range of compact EOS M lenses, and over 80 EF and EF-S lenses via an adapter*.

Share your images with the world – no wires needed

- It's so simple to connect the EOS M6 to your mobile device, you don't even have to get the camera out of your bag. Just connect to browse, share, control and shoot.

*The use of EF and EF-S lenses requires optional Mount Adapter EF-EOS M

Product Range



EOS M5



EOS M6



EOS M3

EOS M5
EOS M6
EOS M3
EOS M10

Canon

Technical Specifications

IMAGE SENSOR

Type	22.3 x 14.9mm CMOS
Effective Pixels	Approx. 24.2 megapixels
Total Pixels	Approx. 25.8 megapixels
Aspect Ratio	3:2
Low-Pass Filter	Built-in/Fixed
Sensor Cleaning	EOS integrated cleaning system
Colour Filter Type	Primary Colour

IMAGE PROCESSOR

Type	DIGIC 7
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LENS

Lens Mount	EF-M (EF and EF-S lenses compatible via Mount adapter EF-EOS M)
Focal Length	Equivalent to 1.6x the focal length of the lens
Image Stabilisation	Optical Image Stabilizer on compatible lens Movie: In-camera 5-axis Digital IS available. Further stabilisation enhancements from lenses compatible with Dynamic IS

FOCUSING

Type	Dual Pixel CMOS AF System. Phase detection pixels built onto imaging sensor ^[20]
AF System/ Points	Maximum 49 AF points (Fixed location on 7x7 grid) via camera automatic selection ^[13] Freely position 1 AF point/ 1 AF Zone (9 points, 3x3 grid) via manual selection ^[20]
AF working range	EV -1 - 18 (at 23 °C, ISO 100, with EF-M 22mm f/2 STM)
AF Modes	One-Shot AF and Servo AF
AF Point Selection	Face + Tracking: Face and subject tracking via automatic recognition/ manual selection via touchscreen. Automatic selection over 49 AF points when no face recognised within frame. Smooth Zone AF: Manual zone selection, plus automatic selection over 9 AF points within selected zone 1-point AF: Manual selection via touchscreen/ buttons
Selected AF point display	Indicated on LCD monitor/ EVF
AF Lock	Locked when shutter button is pressed half way or customisable AE Lock Button
AF Assist Beam	via LED assist beam
Manual Focus	With EF & EF-S lenses - Select via AF/MF switch on lens With EF-M lenses - Select via dedicated MF Button/ other customisable buttons (toggle AF/MF). MF Peaking available AF+MF available (Manual focus adjustment after One-Shot AF) Magnify image available during MF (5x or 10x)

EXPOSURE CONTROL

Metering modes	Real-time metering from the image sensor (1) Evaluative metering (384 zones) (2) Partial metering at center (approx. 10% of Live View Screen) (3) Center weighted average metering (4) Spot metering (approx. 2% of Live View Screen)
Metering Range	Still image: EV 1 - 20 (at 23 °C, ISO 100) Movie: EV 2 - 20 (at 23 °C, ISO 100)
AE Lock	Auto: In One-shot AF mode with evaluative metering exposure is locked when focus is achieved. Manual: By AE lock Button in creative zone modes.
Exposure Compensation	+/- 3 EV in 1/3 stop increments
AEB	3 shots, +/- 2 EV, 1/3-stop increments (can be used together with Exposure Compensation)
ISO Sensitivity	ISO AUTO (100 - 25600), 100 - 25600 in 1/3 stop increments ^[6] Movie: ISO AUTO (100 - 6400), 100 - 12800 in 1/3-stop increments

0.01

Type	Electronically controlled focal-plane shutter
Speed	30 - 1/4000 sec (1/3 stop increments), Bulb (Total shutter speed range. Available range varies by shooting mode)

WHITE BALANCE

Type	Auto white balance with the imaging sensor
Settings	AWB, Daylight, Shade, Cloudy, Tungsten light, White Fluorescent light, Flash, Custom, Colour Temperature (100 Kelvin increments)
Custom White Balance	White balance compensation: 1. Blue/Amber +/-9 levels 2. Magenta/ Green +/-9 levels Yes, 1 setting can be registered

VIEWFINDER

Type	Optional Electronic Viewfinder EVF-DC1, EVF-DC2
Viewfinder Information	With EVF-DC2: Customisable and toggle via INFO. Button (1) Liveview image with exposure info (2) Liveview image with basic info (3) Liveview image with full info

Depth of field preview

LCD MONITOR

Type	7.5 cm (3.0") ClearView II Touchscreen LCD (TFT). 3:2 aspect ratio. Approx. 1,040,000 dots. Electrostatic capacitive type. Tiltable 180 degrees up and 45 degrees down. Approx. 100%
Coverage	Adjustable to one of five levels
Brightness Adjustment	Customisable and toggle via INFO. Button (1) Liveview image with basic info (2) Liveview image with full info (3) Liveview image with no information (4) Quick Control Screen
Display Options	Customisable settings: Shooting Info, Grid overlay (x3 formats), Histogram (Brightness/ RGB), Electronic Level, Aspect Ratio

FLASH

Built-in Flash GN (ISO 100, meters)	5
Built-in Flash Coverage	Maximum coverage at approx. 15mm (35mm equivalent: approx. 24mm)
Built-in Flash recycle time	Approx. 3 seconds ^[27]
Modes	Auto (E-TL II), Manual Flash On/Off (3 flash power output settings)
Red-Eye Reduction	Yes - with red eye reduction lamp
X-sync	1/200 sec
Flash Exposure Compensation	+/- 2 EV in 1/3 increments
Flash Exposure Bracketing	Yes, with compatible external flash
Flash Exposure Lock	Yes, via AEL Button
Second Curtain Synchronisation	Yes
HotShoe/ PC terminal	Yes/ No
External Flash Compatibility	E-TTL II with EX series Speedlites, wireless multi-flash support
External Flash Control	Via camera setting/ flash setting menu

Technical Specifications

SHOOTING

Modes

Scene Intelligent Auto, Hybrid Auto, Creative Assist, SCN (Self-Portrait, Portrait, Landscape, Close-up, Sports, Food, Panning, Handheld Night Scene, HDR Backlight Control), Creative Filters (Grainy B/W, Soft Focus, Fish-eye Effect, Art bold effect, Water painting effect, Toy camera effect, Miniature effect (Stills and Movie), High Dynamic Range), Program AE, Shutter priority AE, Aperture priority AE, Manual exposure, Custom (x2), Movie (Movie auto exposure, Movie manual exposure, Time-lapse movie)

Picture Styles

Auto, Standard, Portrait, Landscape, Fine Detail, Neutral, Faithful, Monochrome, User Defined (x3) sRGB

Colour Space

Image Processing

Highlight Tone Priority
Auto Lighting Optimizer (4 settings)
Long exposure noise reduction
High ISO speed noise reduction (4 settings + Multi Shot NR)
Lens peripheral illumination correction
Chromatic aberration correction
Diffraction correction

Creative Assist:
Background Blur (5 settings)
Brightness (19 levels)
Contrast (9 levels)
Saturation (9 levels)
Color Tone (19 levels)
Monochrome (Sharpness Strength / Sharpness Fineness / Sharpness Threshold / Contrast (9 levels) / Filter effect (Ye - Yellow / Or - Orange / R - Red / G (Green) / Toning effect (S - Sepia / B - Blue / P - Purple / G - Green))

Drive modes

Single, High-Speed Continuous, Low-Speed Continuous, Self timer (2s, 10s, Custom, Remote)

Continuous Shooting

Fixed AF: Approx. 9 shots/s for up to 26 frames in JPEG and 17 frames in RAW [21]
With AF: Approx. 7 shots/s [22]

Intervalometer

Time-Lapse Movie Mode

LIVE VIEW MODE

Coverage

Approx. 100% (horizontally and vertically)

FILE TYPE

Still Image Type

JPEG: Fine, Normal (Exif 2.30 compliant) / Design rule for Camera File system (2.0)
RAW: RAW (14-bit, Canon original RAW 2nd edition), Digital Print Order Format [DPOF] Version 1.1 compliant

RAW+JPEG simultaneous recording

Image Size

Yes, RAW + various JPEG compression possible

RAW: (3:2) 6000 x 4000, (4:3) 5328 x 4000, (16:9) 6000 x 3368, (1:1) 4000 x 4000
JPEG 3:2: (L) 6000 x 4000, (M) 3984 x 2656, (S1) 2976 x 1984, (S2) 2400 x 1600
JPEG 4:3: (L) 5328 x 4000, (M) 3552 x 2664, (S1) 2656 x 1992, (S2) 2112 x 1600
JPEG 16:9: (L) 6000 x 3368, (M) 3984 x 2240, (S1) 2976 x 1680, (S2) 2400 x 1344
JPEG 1:1: (L) 4000 x 4000, (M) 2656 x 2656, (S1) 1984 x 1984, (S2) 1600 x 1600
In-camera RAW processing & Image Resize available in playback

Movie Type

MP4 [Video: MPEG-4 AVC/H.264, Audio: MPEG-4 AAC-LC (stereo)]

Movie Size

Full HD - 1920 x 1080 (59.94, 50, 29.97, 25, 23.976 fps)
HD - 1280 x 720 (59.94, 50 fps)
VGA - 640 x 480 (29.97, 25 fps)

Movie Length

Folders

Max duration 29min 59sec, Max file size 4GB
New folders can be automatically created monthly or daily

File Numbering

(1) Consecutive numbering
(2) Auto reset

OTHER FEATURES

Custom Functions

Metadata Tag

13 customisable buttons/ dials

User copyright information (Author's Name, Copyright Details)

Image rating (0-5 stars)

Yes, with Image Rotate

2x - 10x enabled in 10 steps

Intelligent Orientation Sensor

Playback zoom

Display Formats

(1) Single image with information (toggle up to 8 options)

(2) Single image

(3) Index display (6/12/42/110 images)

(4) Jump Display (1/10/100 image, by shot date, by rating)

Slide Show

Playback time: 3/4/5/6/7/8/9/10/15/30 seconds

Repeat: On/Off

Transition Effects: Off, Fade

Brightness/ RGB

Yes

Histogram

Highlight Alert

Image Erase/Protection

Erase: Single image, Selected images, Selected range, All images

Protection: Selected images, Selected range, All images, Unprotect all images

Menu Categories

(1) Shooting menu (x8)

(2) Playback menu (x5)

(3) Setup menu (x4)

(4) Custom Functions menu

(5) My Menu

Menu Languages

25 Languages

English, German, French, Dutch, Danish, Portuguese, Finnish, Italian, Norwegian, Swedish, Spanish, Greek, Russian, Polish, Czech, Hungarian, Romanian, Ukrainian, Turkish, Arabic, Thai, Simplified Chinese, Traditional Chinese, Korean and Japanese

Firmware update possible by the user.

Firmware Update

INTERFACE

Computer

Other

Hi-Speed USB (Micro USB connector)

Wireless LAN (IEEE802.11b/g/n), (2.4 GHz only, 1-11 ch), with Dynamic NFC support [17]

Bluetooth® (Specification version 4.1, Bluetooth low energy technology) [23] [25]

HDMI (Micro - Type-D connector)

External microphone (3.5mm stereo jack)

DIRECT PRINT

Canon Printers

Canon Compact Photo Printers and PIXMA Printers supporting PictBridge

PictBridge

Yes (via USB or Wireless LAN)

STORAGE

Type

SD, SDHC, SDXC (UHS-I compatible)

SUPPORTED OPERATING SYSTEM

PC & Macintosh

Windows 10 / 8.1 / 8 / 7 SP1 [24]

Mac OS X 10.9 / 10.10 / 10.11 / 10.12

For Wi-Fi connection to a PC:

Windows 10 / 8.1 / 8 / 7 SP1

Mac OS X 10.9 / 10.10

For Image Transfer Utility:

Windows 10 / 8.1 / 8 / 7 SP1

Mac OS X 10.9 / 10.10 / 10.11 / 10.12

SOFTWARE

Image Processing

Other

Digital Photo Professional

Picture Style Editor, EOS Utility, Image Transfer Utility

Camera Connect app available on iOS and Android devices [25]

Technical Specifications

POWER SOURCE

Batteries

Battery life

1 x Rechargeable Li-ion Battery LP-E17
 With LCD monitor: Approx. 295 shots
 (at 23 °C, AE 50%, FE 50%)
 With optional EVF-DC2 : Approx. 290 shots
 (at 23 °C, AE 50%, FE 50%)
 ECO Mode: Approx. 425 shots (at 23 °C, AE 50%, FE 50%)

Battery Indicator

Power saving

4 levels
 Display off (15, 30 sec or 1, 3, 5, 10, 30 mins)
 Auto Power Down (30 sec or 1, 3, 5, 10 mins, Disable)
 ECO mode

Power Supply & Battery Chargers

Battery charger LC-E17E
 Compact Power Adapter CA-PS700
 DC Coupler DR-E17

PHYSICAL SPECIFICATIONS

Body Materials

Operating Environment

Dimensions (WxHxD)

Weight (body only)

Polycarbonate
 0 – 40 °C, 85% or less humidity
 112.0 x 68.0 x 44.5 mm
 Approx. 390 g (CIPA testing standard, including battery and memory card)

ACCESSORIES

Viewfinder

Optional Electronic Viewfinder EVF-DC1
 (0.48 type), 4:3 aspect ratio, Approx. 2,360,000 dots,
 100% coverage, Approx. 43 g
 Optional Electronic Viewfinder EVF-DC2
 (0.39 type), 4:3 aspect ratio, Approx. 2,360,000 dots,
 100% coverage, Approx. 29 g

Cases / Straps

Body Jacket EH30-CJ
 Neck Strap EM-300DB
 Neck Strap EM-E2

Lenses

EF-M lenses
 All EF and EF-S lenses compatible via Mount adapter
 EF-EOS M

Flash

Canon Speedlites (including 90EX, 220EX, 270EX,
 270EX II, 320EX, 380EX, 420EX, 430EX, 430EX II, 430EX III,
 430EX III-RT, 550EX, 580EX, 580EX II, 600EX, 600EX-RT,
 600EX II-RT, Macro-Ring-Lite, MR-14EX II, Macro Twin
 Lite, MT-24EX, Speedlite Transmitter ST-E2, Speedlite
 Transmitter ST-E3-RT)
 Off-Camera Shoe Cord OC-E3, Speedlite Bracket SB-E2

Remote Controller/ Switch

Remote Switch RS-60E3
 Timer Remote Controller TC-80N3 ^[26]
 Remote Controller RC-6
 Interface cable IFC-600PCU

Other

Footnotes

⁸ Recommended Exposure Index

¹⁵ Maximum number of AF frame is dependent on selected image aspect ratio

¹⁷ Wi-Fi use may be restricted in certain countries or regions.

²⁰ Dual Pixel CMOS AF - AF is possible over an area of approx. 80% Vertical x 80% Horizontal of the frame

²¹ Continuous shooting speed is measured with EF-M 15-45mm f/3.5-6.3 IS STM and requires SDHC/SDXC UHS Speed Class 1 memory card. Total number of frames captured and continuous shooting speed may vary depending on camera exposure settings, type of lens used, battery level, light level and memory card used.

²² Continuous shooting speed is measured with EF-M 15-45mm f/3.5-6.3 IS STM and requires SDHC/SDXC UHS Speed Class 1 memory card. Under Servo AF, maximum continuous shooting speed and total number of frames captured depends on subject condition, camera settings and lens used

²³ Equipped with Bluetooth® low energy technology. The Bluetooth® word mark and logos are registered trademarks owned by the Bluetooth SIG, Inc. and any use of such marks by Canon Europe Ltd. is under license. Other trademarks and trade names are those of their respective owners.

²⁴ Software applications compatible with Windows 10 in Windows 10 Desktop Mode only

²⁵ Bluetooth functionality with Camera Connect app requires smart device to be equipped with Bluetooth version 4.0 (or later). Also requires smart device to be using operating system iOS 8.4 (or later) or Android 5.0 (or later)

²⁶ Require Remote Controller Adapter RA-E3

²⁷ When battery is fully charged

All data is based on Canon standard testing methods except where indicated.
 Subject to change without notice.