

EOS M50

DO YOUR STORIES JUSTICE

A sleek design classic, this mirrorless camera will inspire you to make memorable stories you'll be proud to share thanks to technologies like 4k movies, a DSLR sized sensor and effortless connectivity.



- Modern, hassle free shooting for superb results
- Compact, sleek and intuitive shooting experience
- Clever connectivity and control with Wi-Fi* & Bluetooth**
- Inspiring technologies for stories you'll be proud of
- Creative freedom to capture every story

24.1 MEGA
PIXELS
CMOS



Dual Pixel AF
CMOS

10
Frames
Per Sec



OLED EVF
2,360k dots

PRODUCT RANGE



EOS M6



EOS M50



EOS M100

EOS M5
EOS M6
EOS M50
EOS M100

*Wi-Fi; Not all functions or devices are supported; see full specifications for details.

**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 Inc. is under license. Other trademarks and trade names are those of their respective owners. Initial pairing with compatible device required.

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TECHNICAL SPECIFICATIONS

EOS M50

IMAGE SENSOR

Type	22.3 x 14.9mm CMOS
Effective Pixels	Approx. 24.1 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 8
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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 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]
	Contrast detection method is used during 4K Movie Servo AF
AF System/ Points	Maximum 143/99 points depending on lens. Max 25 frames in Zone AF ^[15]

Freely position 1 AF point/ 1 AF Zone via manual selection (area available lens dependent)
EV -2 - 18 (at 23 °C, ISO 100, with EF-M 22mm f/2 STM) One-Shot AF and Servo AF
Face + Tracking: Face and subject tracking via automatic recognition/ manual selection via touchscreen. Automatic selection over AF points when no face recognised within frame.

Eye AF available in One Shot AF

Smooth Zone AF: Manual zone selection, plus automatic selection over AF points within selected zone

1-point AF: Manual selection via touchscreen/ buttons

Selected AF point display

AF Lock	Indicated on LCD monitor/ EVF Locked when shutter button is pressed half way or customisable AE Lock Button
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AF Assist Beam

Manual Focus	via LED assist beam With EF & EF-S lenses - Select via AF/MF switch on lens
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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. 6.4% of Live View Screen) (3) Center weighted average metering (4) Spot metering (approx. 2.8% of Live View Screen)
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Center weighted only in Movie recording

Metering Range

Still image:	EV 0 - 20 (at 23 °C, ISO 100)
Movie:	EV 0 - 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.
+/-3 EV in 1/3 stop increments

Exposure Compensation

AEB	3 shots, +/- 2 EV, 1/3-stop increments (can be used together with Exposure Compensation)
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ISO Sensitivity (8)

ISO AUTO (100 - 6400), 100 - 25600 in 1/3 stop increments. ISO can be expanded to 51200

4K Movie: ISO AUTO (100 - 6400), 100 - 6400 in 1/3-stop increments. Full HD and HD Movie: ISO AUTO (100 - 12800), ISO 100 - 12800 in 1/3-stop increments. ISO can be expanded to 25600

SHUTTER

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	Auto (Ambience Priority), Auto (White Priority), Daylight, Shade, Cloudy, Tungsten light, White Fluorescent light, Flash, Custom, Colour Temperature (100 Kelvin increments)

White balance compensation:
1. Blue/Amber +/-9 levels
2. Magenta/ Green +/-9 levels

Yes, 1 setting can be registered

Custom White Balance

VIEWFINDER

Type	0.39-type OLED Electronic Viewfinder Approx. 2,360,000 dots
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Coverage (Vertical/Horizontal)

Eye point	Approx 100%
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Dioptr Correction

Viewfinder Information

Yes

Customisable and toggle via INFO. Button
(1) Liveview image with exposure info
(2) Liveview image with basic info
(3) Liveview image with full info

Customisable settings:
Grid overlay (x3 formats), Histogram (Brightness/ RGB), Electronic Level, Multi aspect ratios

Yes

Depth of field preview

LCD MONITOR

Type	7.5 cm (3.0") Touchscreen LCD (TFT). 3:2 aspect ratio. Approx. 1,040,000 dots. Electrostatic capacitive type. Vari-Angle
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Coverage

Brightness Adjustment	Approx 100%
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Display Options

Adjustable to one of seven levels
Customisable and toggle via INFO. Button
(1) Liveview image with exposure info
(2) Liveview image with basic info
(3) Liveview image with full info

Customisable settings:
Grid overlay (x3 formats), Histogram (Brightness/ RGB), Electronic Level, Multi aspect ratios, Hints and Tips

FLASH

Built-in Flash GN (ISO 100, meters)

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Built-in Flash Coverage

Maximum coverage at approx. 15mm (35mm equivalent: approx. 24mm)

Built-in Flash recycle time

Approx. 3 seconds ^[27]



TECHNICAL SPECIFICATIONS

EOS M50

Modes	Auto (E-TTL II)	Movie Length	Max duration 29min 59sec, Max file size 4GB
Red-Eye Reduction	Yes - with red eye reduction lamp	Folders	New folders can be created and selected
X-sync	1/200sec	File Numbering	(1) Continuous, Auto Reset (2) Manual Reset
Flash Exposure Compensation	+/- 2 EV in 1/3 increments	OTHER FEATURES	
Flash Exposure Lock	Yes	Custom Functions	9 customisable buttons
Second Curtain Synchronisation	Yes	Metadata Tag	User copyright information (Author's Name, Copyright Details) Image rating (0-5 stars)
HotShoe/ PC terminal	Yes/No	Playback zoom	15 steps plus smooth pinch-to-zoom
External Flash Compatibility	E-TTL II with EX series Speedlites, wireless multi-flash support	Display Formats	(1) Single image with information (toggle options) (2) Single image (3) Index display (4/9/36/100 images) (4) Jump Display (1/10/custom number image, by shot date, by rating, by folder, by movies only, protected only)
External Flash Control	Via camera setting/ flash setting menu	Slide Show	Playback time: 1/2/3/5/10/30 seconds Repeat: On/Off Transition Effects: Off, Slide in 1-2, Fade 1-3 Brightness/ RGB
SHOOTING		Histogram	Yes
Modes	Scene Intelligent Auto, Hybrid Auto, Creative Assist, SCN(Self-Portrait, Portrait, Smooth Skin, Landscape, Sports, Close-up, Food, Panning, Handheld Night Scene, HDR Backlight Control, Silent Mode), Creative Filters (Grainy B/W, Soft Focus, Fish-eye Effect, Water painting effect, Toy camera effect, Miniature effect, HDR Art standard, vivid, bold, embossed), Program AE, Shutter priority AE, Aperture priority AE, Manual exposure, Movie (Movie auto exposure, Movie manual exposure, Time-lapse movie)	Highlight Alert	Yes
Picture Styles	Auto, Standard, Portrait, Landscape, Fine Detail, Neutral, Faithful, Monochrome, User Defined (x3)	Image Erase/Protection	Erase: Single image, Selected images, Selected range, All images Protection: Selected images, Selected range, All images, Unprotect all images
Colour Space	sRGB and Adobe RGB	Menu Categories	(1) Shooting menu (x8) (2) Playback menu (x4) (3) Setup menu (x5) (4) Display menu (5) My Menu
Image Processing	Highlight Tone Priority (standard and enhanced) 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	Menu Languages	29 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, Malay, Vietnamese, Indonesian, Hindi, Japanese
	Creative Assist: Presets Background Blur (5 settings) Brightness (19 levels) Contrast (9 levels) Saturation (9 levels) Color Tone 1 & 2 (19 levels) Monochrome (Off/Black and white/Sepia/Blue/Purple/Green)	Firmware Update	Firmware update possible by the user.
Drive modes	Single, High-Speed Continuous, Low-Speed Continuous, Self timer (2s, 10s, Custom, Remote)	INTERFACE	
Continuous Shooting	One shot AF: Approx. 10 shots/sec for up to 33 frames in JPEG and 10 frames in RAW ^[21] With Servo AF: Approx. 7.4 shots/sec for up to approx 47 frames in JPEG ^[22]	Computer	Hi-Speed USB (Micro USB) Wireless LAN (IEEE802.11b/g/n), (2.4 GHz only, 1-11 ch), with Dynamic NFC support ^[17]
		Other	Bluetooth® (Specification version 4.1, Bluetooth low energy technology) ^{[23] [25]} HDMI (Micro - Type-D connector), HDR output to compatible TV supported
LIVE VIEW MODE		DIRECT PRINT	
Coverage	Approx. 100% (horizontally and vertically)	Canon Printers	Canon Compact Photo Printers and PIXMA Printers supporting PictBridge
FILE TYPE		PictBridge	Canon Compact Photo Printers and PIXMA Printers supporting PictBridge
Still Image Type	JPEG: Fine, Normal (Exif 2.31 compliant) / Design rule for Camera File system (2.0) RAW: RAW (CR3 14-bit), Digital Print Order Format [DPOF] Version 1.1 compliant	STORAGE	
RAW+JPEG simultaneous recording	Yes, RAW + various JPEG compression possible	Type	SD, SDHC, SDXC (UHS-I compatible)
Image Size	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	SUPPORTED OPERATING SYSTEM	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
Movie Type	In-camera RAW processing & Image Resize available in playback MP4 [Video: MPEG-4 AVC/H.264, Audio: MPEG-4 AAC-LC (stereo)]	SOFTWARE	
Movie Size	4K - 3840 x 2160 (23.98, 25 fps) Full HD - 1920 x 1080 (59.94, 50, 29.97, 25, 23.976 fps) HD - 1280 x 720 (119.9, 100, 59.94, 50 fps)	Image Processing	Digital Photo Professional Picture Style Editor, EOS Utility, Image Transfer Utility
		Other	Camera Connect app available on iOS and Android devices ^[25]

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TECHNICAL SPECIFICATIONS

EOS M50

POWER SOURCE

Batteries

Battery life

1 x Rechargeable Li-ion Battery LP-E12
Approx. 235 shots (at 23°C, AE 50%, FE 50%)^[5]
Eco Mode: Approx. 370 shots
Movie Recording: Approx. 85 mins
Playback time when playing back a slideshow of still images: Approx. 4 hrs

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)
Viewfinder off (1, 3 min, disable)
ECO mode

Power Supply & Battery Chargers

Battery charger LC-E12E
Compact Power Adapter CA-PS700
DC Coupler DR-E12

PHYSICAL SPECIFICATIONS

Body Materials

Polycarbonate

Operating Environment

0 – 40 °C, 85% or less humidity

Dimensions (WxHxD)

116.3 x 88.1 x 58.7mm

Weight (body only)

Approx 387g (black), 390g (white), CIPA testing standard including battery and memory card

ACCESSORIES

Cases / Straps

Body Jacket EH32-CJ (beige)
Body Jacket EH32-CJ (light brown)
Neck Strap EM-E2 (black)
Neck Strap EM-E2 (white)
Neck Strap EM-200DB

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)

Remote Controller/ Switch

Other

Off-Camera Shoe Cord OC-E3, Speedlite Bracket SB-E2
Bluetooth Remote BR-E1
Interface cable IFC-400PCU
Mount Adapter EF-EOSM

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

^[1] Large/Fine(Quality 8) resolution

^[2] Based on Canon's testing conditions, JPEG, ISO 100, Standard Picture Style. Varies depending on the subject, memory card brand and capacity, image recording quality, ISO speed, drive mode, Picture Style, Custom functions etc.

^[3] Compatible with large memory card capacities, including cards of 2GB and more (camera may require firmware update).

^[4] with 50mm lens at infinity, -1m⁻¹ dpt

^[5] Based on the CIPA Standard and using the batteries and memory card format supplied with the camera, except where indicated

^[6] Memory card and battery door only

^[7] with EF300mm f/2.8L IS USM at 50kph

^[8] Recommended Exposure Index

^[9] Environmental protection

^[10] Maximum fps and buffer capacity may be reduced depending on the cameras settings and light level

^[11] Peripheral Cross type AF points will not function as a cross type AF points with the following lenses: EF 35-80mm f4.5-5.6 (II/III/USM), EF35-105mm f4.5-5.6 (USM), EF 80-200mm f4.5-5.6 (II)

^[12] With Battery strength 75% or higher

^[13] Viewfinder Information

^[14] Hybrid CMOS AF III covers an area of approx. 80% Vertical x 70% Horizontal of the frame

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

^[16] Sustained continuous shooting function requires compatible SDHC/SDXC UHS Speed Class 1 memory card, total number of frames captured varies depending on camera settings, type of lens used, battery charge and light level. Shooting stops automatically with the 1000th frame

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

^[18] Hybrid CMOS AF II covers an area of approx. 80% Vertical x 70% Horizontal of the frame

^[19] Maximum burst during continuous shooting are measured based on Canon's testing standards (3:2 aspect ratio, ISO 200 and Standard Picture Style)

^[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

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^[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

^[28] Maximum continuous shooting speed with 1/500 sec. or faster shutter speed.

