



# EOS M50

BE READY FOR THE UNKNOWN

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**Canon**

# EOS M50 Mirrorless

Be ready for the unknown.

From stunning stills to 4K movie footage the feature packed, super compact and easy to use EOS M50 is perfect to capture every unexpected detail of your next trip away.

**OLED  
EVF**  
**2,360,000**  
dots

Keep your eye on the action with the high resolution built-in electronic viewfinder

**Dual Pixel**  
CMOS **AF**

Focus on the go with Dual Pixel CMOS AF, Canon's fastest auto focus technology

  
**EOS Movie**  
4K+FULL HD

Make hi-res movie magic with 4K video & 5-axis image stabilizer for steady footage



Fast, responsive operation from Canon's most advanced image processor

  
3.0" LCD  
**Vari-angle**

Find new creative angles and lock in focus with a Touch panel flip screen



Share instantly and auto save to your smartphone with the Camera Connect App

**24.1** MEGA  
PIXELS  
CMOS

Crisp, clean images with incredible image quality that you will be proud to hang on your walls



Add your own twist with new Creative Assist – the perfect way to kick start your creativity

  
**4K**  
Time-Lapse  
Movie

Shift time with 4k time lapse movie, perfect for day to night transitions

 **Camera Assist**

Get the most out of your new Canon camera  
Find out more: [canon.com.au/cameraassist](https://www.canon.com.au/cameraassist)

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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 <sup>23</sup> , Phase detection pixels built onto imaging sensor
	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 <sup>115</sup>

## AF working range

AF Modes	EV -2 - 18 (at 23 °C, ISO 100, with EF-M 22mm f/2 STM)
AF Point Selection	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

## Selected AF point display

AF Lock	Indicated on LCD monitor/ EVF 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. 6.4% of Live View Screen) (3) Center weighted average metering (4) Spot metering (approx. 2.8% of Live View Screen)
Metering Range	Center weighted only in Movie recording Still image: EV 0 - 20 (at 23 °C, ISO 100) Movie: EV 0 - 20 (at 23 °C, ISO 100)

## AE Lock

## Exposure Compensation

AEB	+/-3 EV in 1/3 stop increments
ISO Sensitivity (8)	3 shots, +/- 2 EV, 1/3-stop increments (can be used together with Exposure Compensation) ISO AUTO (100 - 6400), 100 - 25600 in 1/3 stop increments. ISO can be expanded to 51200

## 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
Coverage (Vertical/Horizontal)	Approx 100%
Eyepoint	Approx 22mm
Dioptr Correction	Yes
Viewfinder Information	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
Coverage	Approx 100%
Brightness Adjustment	Adjustable to one of seven levels
Display Options	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)	5
Built-in Flash Coverage	Maximum coverage at approx. 15mm (35mm equivalent; approx. 24mm)
Built-in Flash recycle time	Approx. 3 seconds <sup>271</sup>

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<b>Modes</b>	Auto (E-TTL II)	<b>Movie Length</b>	Max duration 29min 59sec, Max file size 4GB
<b>Red-Eye Reduction</b>	Yes - with red eye reduction lamp	<b>Folders</b>	New folders can be created and selected
<b>X-sync</b>	1/200 sec	<b>File Numbering</b>	(1) Continuous, Auto Reset (2) Manual Reset
<b>Flash Exposure Compensation</b>	+/- 2 EV in 1/3 increments	<b>OTHER FEATURES</b>	9 customisable buttons
<b>Flash Exposure Lock</b>	Yes	<b>Custom Functions</b>	User copyright information (Author's Name, Copyright Details) Image rating (0-5 stars)
<b>Second Curtain Synchronisation</b>	Yes	<b>Metadata Tag</b>	15 steps plus smooth pinch-to-zoom
<b>HotShoe/ PC terminal</b>	Yes/No	<b>Playback zoom</b>	(1) Single image with information (toggle options) (2) Single image
<b>External Flash Compatibility</b>	E-TTL II with EX series Speedlites, wireless multi-flash support	<b>Display Formats</b>	(3) Index display (4/9/36/100 images) (4) Jump Display (1/1/10/custom number image, by shot date, by rating, by folder, by movies only, protected only)
<b>External Flash Control</b>	Via camera setting/ flash setting menu	<b>Slide Show</b>	Playback time: 1/2/3/5/10/30 seconds Repeat: On/Off Transition Effects: Off, Slide in 1-2, Fade 1-3
<b>SHOOTING</b>		<b>Histogram</b>	Brightness/ RGB
<b>Modes</b>	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)	<b>Highlight Alert</b>	Yes
<b>Picture Styles</b>	Auto, Standard, Portrait, Landscape, Fine Detail, Neutral, Faithful, Monochrome, User Defined (x3)	<b>Image Erase/Protection</b>	Erase: Single image, Selected images, Selected range, All images Protection: Selected images, Selected range, All images, Unprotect all images
<b>Colour Space</b>	sRGB and Adobe RGB	<b>Menu Categories</b>	(1) Shooting menu (x8) (2) Playback menu (x4) (3) Setup menu (x5) (4) Display menu (5) My Menu
<b>Image Processing</b>	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	<b>Menu Languages</b>	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 Firmware update possible by the user.
<b>Drive modes</b>	Single, High-Speed Continuous, Low-Speed Continuous, Self timer (2s, 10s, Custom, Remote)	<b>Firmware Update</b>	
<b>Continuous Shooting</b>	One shot AF: Approx. 10 shots/sec for up to 33 frame s in JPEG and 10 frames in RAW (1) With Servo AF: Approx. 7.4 shots/sec for up to approx 47 frames in JPEG (2)	<b>INTERFACE</b>	
<b>LIVE VIEW MODE</b>		<b>Computer</b>	Hi-Speed USB (Micro USB)
<b>Coverage</b>	Approx. 100% (horizontally and vertically)	<b>Other</b>	Wireless LAN (IEEE802.11b/g/n), (2.4 GHz only, 1-11 ch), with Dynamic NFC support (17)
<b>FILE TYPE</b>		<b>Bluetooth</b>	Bluetooth (Specification version 4.1, Bluetooth low energy technology) (23)(25)
<b>Still Image Type</b>	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	<b>HDMI</b>	HDMI (Micro - Type-D connector), HDR output to compatible TV supported
<b>RAW+JPEG simultaneous recording</b>	Yes, RAW + various JPEG compression possible	<b>DIRECT PRINT</b>	
<b>Image Size</b>	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	<b>Canon Printers</b>	Canon Compact Photo Printers and PIXMA Printers supporting PictBridge
<b>Movie Type</b>	MP4 [Video: MPEG-4 AVC/H.264, Audio: MPEG-4 AAC-LC (stereo)]	<b>PictBridge</b>	Canon Compact Photo Printers and PIXMA Printers supporting PictBridge
<b>Movie Size</b>	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)	<b>STORAGE</b>	
	In-camera RAW processing & Image Resize available in playback	<b>Type</b>	SD, SDHC, SDXC (UHS-I compatible)
		<b>SUPPORTED OPERATING SYSTEM</b>	
		<b>PC &amp; Macintosh</b>	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
		<b>SOFTWARE</b>	
		<b>Image Processing</b>	Digital Photo Professional
		<b>Other</b>	Picture Style Editor, EOS Utility, Image Transfer Utility
			Camera Connect app available on iOS and Android devices (23)

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# TECHNICAL SPECIFICATIONS

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## POWER SOURCE

### Batteries

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

### Battery Indicator

#### Power saving

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

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

### Other

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<sup>1</sup> 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 camera 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.  
 [23] Equipped with Bluetooth<sup>®</sup> low energy technology. The Bluetooth<sup>®</sup> 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  
 [28] Maximum continuous shooting speed with 1/500 sec. or faster shutter speed.

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