TECHNICAL SPECIFICATIONS

EOS M100

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

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:Enhanced 3-axis Digital IS with compatible lenses

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 [15] 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
Predictive AF (7)	
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)
Focus Bracketing	
AF Microadjustment	

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 AEB	+/-3 EV in 1/3 stop increments
ISO Sensitivity (8)	ISO AUTO (100 - 25600), 100 - 25600 in 1/3 stop increments Movie: ISO AUTO (100 - 6400), 100 - 12800 in 1/3-stop increments

SHUTTER

Type	Electronically controlled focal-place 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) White balance compensation: 1. Blue/Amber +/-9 levels 2. Magenta/Green +/-9 levels
Custom White Balance	Yes, 1 setting can be registered
WB Bracketing	

LCD MONITOR

Type	7.5 cm (3.0") Touchscreen LCD (TFT). 3:2 aspect ratio. Approx. 1,040,000 dots. Electrostatic capacitive type. Tiltable approx 180 degrees up
Coverage	Approx. 100%
Coating	
Brightness Adjustment	Adjustable to one of five levels
Display Options	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

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. 5 seconds [27]
Modes	Auto (E-TTL II)
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	
Flash Exposure Lock	Yes
Second Curtain Synchronisation	Yes
HotShoe/ PC terminal	No/No
External Flash Compatibility	
External Flash Control	

SHOOTING

Modes	Scene Intelligent Auto, Hybrid Auto, Creative Assist, SCN(Self-Portrait, Portrait, Smooth Skin, Landscape, Close-up, Sports, Food, 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, Movie (Movie auto exposure, Movie manual exposure, Time-lapse movie)

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TECHNICAL SPECIFICATIONS

EOS M100

Picture Styles	Auto, Standard, Portrait, Landscape, Fine Detail, Neutral, Faithful, Monochrome, User Defined (x3)
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 (Off/Black and white/Sepia/Blue/Purple/Green)
Drive modes	Single, Continuous, Self timer (2s, 10s, custom)
Continuous Shooting	One shot AF: Approx. 6.1 shots/sec for up to 89 frames in JPEG and 21 frames in RAW [21]
	With Servo AF: Approx. 4 shots/sec for up to approx 1000 frames in JPEG [22]
Intervalometer	
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	Yes, RAW + various JPEG compression possible
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
	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	Max duration 29min 59sec, Max file size 4GB
Sound Files	
Folders	New folders can be automatically created monthly or daily
File Numbering	(1) Consecutive numbering
	(2) Auto reset

OTHER FEATURES	
Custom Functions	5 Custom functions with customisable shutter and record buttons
Metadata Tag	User copyright information (Author's Name, Copyright Details)
	Image rating (0-5 stars)
LCD Panel / Illumination	
Water/ Dust resistance	
Sound Memo	
Intelligent Orientation Sensor	Yes, with Image Rotate
Playback zoom	2x - 10x enabled in 10 steps plus smooth pinch-to-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
Histogram	Brightness/ RGB
Highlight Alert	
Image Erase/Protection	Erase: Single image, Selected images, Selected range, All images Protection: Selected images, Selected range, All images. Unprotect all images
Data Verification	
Menu Categories	(1) Shooting menu (x8)
	(2) Playback menu (x5)
	(3) Setup menu (x4)
	(4) Custom Functions 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	Firmware update possible by the user.
INTERFACE	
Computer	Hi-Speed USB (Mini-B compatible)
Other	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)

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TECHNICAL SPECIFICATIONS

EOS M100

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

Browsing & Printing

Image Processing
Digital Photo Professional

Other
Picture Style Editor, EOS Utility, Image Transfer Utility
Camera Connect app available on iOS and Android
devices [25]

POWER SOURCE

Batteries
1 x Rechargeable Li-ion Battery LP-E12

Battery life
Approx. 295 shots (at 23°C, AE 50%, FE 50%) [5]
Eco Mode: Approx. 410 shots
Movie Recording: Approx. 125 mins
Playback time when playing back a slideshow
of still images: Approx. 4 hrs

Battery Indicator
4 levels

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)
ECO mode

Power Supply & Battery Chargers
Battery charger LC-E12
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)
108.2 x 67.1 x 35.1 mm

Weight (body only)
Approx. 302 g (CIPA testing standard, including battery
and memory card)

ACCESSORIES

Viewfinder

Cases / Straps
Face Jacket EH31-FJ
Neck Strap EM-E2 (light brown)
Neck Strap EM-E2(BW) (brown)
Neck Strap EM-E2(BK) (black)
Neck Strap EM-E2(WH) (white)
Neck Strap EM-E2DB

Wireless File Transmitter

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

Flash

Battery Grip

Remote Controller/ Switch

Other
Interface cable IFC-400PCU
Mount Adapter EF-EOSM
HDMI cable HTC-100

Footnotes

[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 f4-5.6 (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® 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

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

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

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