

**Canon**

# EOS M100

Help Guide

ENGLISH

## Specifications

### Type

Category ..... Digital single-lens non-reflex  
AF/AE camera

### Image Sensor

Image size  
Image capturing area  
(Recording image size)..... Approx. 22.3 x 14.9 mm

Number of pixels  
Camera effective pixels  
(Pixels may decrease due to  
image processing) ..... Approx. 24.2 megapixels  
Total pixels ..... Approx. 25.8 megapixels

Aspect ratio ..... 3:2

Dust removal feature (Auto/Manual) ..... Provided

### Focus Control

AF method ..... Face+Tracking, Smooth zone AF,  
1-point AF

AF points (max.) ..... 49 points

Focusing brightness range  
(room temperature 23 °C/73 °F, ISO 100,  
when using EF-M 22mm f/2 STM)  
EV value ..... -1 - 18

Focus operation  
TTL autofocus ..... One-Shot AF, Servo AF

AF-assist beam ..... Built-in LED lamp

### Exposure Control

Metering mode  
Still image ..... Real-time metering using the  
image sensor, Evaluative  
metering, Partial metering, Center-  
weighted average, Spot metering

Movie ..... Real-time metering using the  
image sensor, Evaluative metering

Brightness metering range (room temperature 23 °C/73 °F, ISO 100)  
Still image EV value ..... 1 - 20  
Movie EV value ..... 2 - 20

Exposure control  
Still image ..... Program AE, Shutter-priority AE,  
Aperture-priority AE, Manual  
exposure

Exposure control  
Still image  
Exposure compensation ..... ±3 stops in 1/3-stop increments  
Program Shift ..... Provided  
AE lock ..... Manual/Auto

Movie  
Exposure compensation ..... ±3 stops in 1/3-stop increments  
AE lock ..... Manual/Auto

ISO speed (recommended exposure index)

Still image

ISO Auto Range

- Min. speed (AUTO mode).....ISO 100
- Max. speed (AUTO mode).....ISO 6400
- Max. speed limit setting  
in ISO Auto ..... P mode, Tv mode, Av mode,  
M mode, When movie manual  
exposure is selected

Available speed settings (P mode)

- Min. speed.....ISO 100
- Max. speed.....ISO 25600
- Number of stop(s) that  
can be set..... 1/3-stops

Movie

Full HD (1920 x 1080)

- Auto settings
  - Min. speed.....ISO 100
  - Max. speed.....ISO 6400
- Manual settings
  - Min. speed.....ISO 100
  - Max. speed.....ISO 6400
  - Expanded.....ISO 12800

HD (1280 x 720)

- Auto settings
  - Min. speed.....ISO 100
  - Max. speed.....ISO 6400
- Manual settings
  - Min. speed.....ISO 100
  - Max. speed.....ISO 6400
  - Expanded.....ISO 12800

VGA (640 x 480)

Auto settings

- Min. speed.....ISO 100
- Max. speed.....ISO 6400

Manual settings

- Min. speed.....ISO 100
- Max. speed.....ISO 6400
- Expanded.....ISO 12800

White Balance

- WB settings.....Auto, Daylight, Shade, Cloudy,  
Tungsten light, White fluorescent  
light, Flash, Color temperature,  
Custom

White balance correction ..... Provided

Shutter

Electronically controlled focal-plane shutter, Touch Shutter

Shutter speed

Range in all shooting modes

- Max. Tv.....30 sec.
- Min. Tv.....1/4000 sec.

Fastest synchronized  
shutter speed with flash..... 1/200 sec.

## Flash

Built-in flash	
Type .....	Manual pop-up flash
Specification	
Guide number (ISO 100/m) .....	Approx. 5
Flash control .....	E-TTL II metering, Red-eye reduction
FE lock .....	Provided

## Monitor

Type .....	TFT color liquid crystal
Screen size .....	3.0 type
Effective pixels .....	Approx. 1,040,000 dots
Depth-of-field preview .....	Provided










## Shooting

Image processing	
Noise reduction	
Long exposure shots .....	At exposure of one second and above and at bulb exposure
High ISO speed shots .....	At any ISO speed
Image correction	
Auto Lighting Optimizer .....	Provided
Highlight tone priority .....	Provided
Lens correction (EF-M lens has in-lens correction data) .....	
	Peripheral illumination correction, Chromatic aberration correction, Diffraction correction
Picture Style .....	Auto, Standard, Portrait, Landscape, Fine Detail, Neutral, Faithful, Monochrome, User Def.1, User Def.2, User Def.3

## Continuous shooting

Drive mode .....	Single shooting, Continuous shooting (Max.: approx. 6.1 shots/sec.)
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## Maximum number of shots at burst

	Approx. 89 shots
	Approx. 92 shots
	Approx. 67 shots
	Approx. 69 shots
	Approx. 62 shots
	
	Approx. 70 shots
	Approx. 21 shots
RAW+JPEG (  )	Approx. 19 shots

## Recording

File format .....	DCF-compliant DPOF compatible (Version 1.1)
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## Data type

Still images	
Recording format .....	Exif 2.3 (DCF 2.0)
Images (RAW images shot continuously are processed using 12-bit AD conversion) .....	
	JPEG/RAW (CR2 a Canon 14-bit RAW format)

## Movies










Recording format .....	MP4
Video .....	MPEG-4 AVC/H.264 Variable (average) bit rate

Audio ..... MPEG-4 AAC-LC (stereo)  
 Built-in microphone ..... Stereo  
 Rec. level adjustment ..... Provided  
 Wind filter  
 (when using built-in microphone)..... Provided  
 Attenuator ..... Provided

Number of shots






Still images

Using a 16 GB (UHS-I) memory card

Image Quality	Number of Shots (Approx.)
	1833 shots
	2760 shots
	3114 shots
	4671 shots
	4717 shots
	6656 shots
	8098 shots
	450 shots
RAW+JPEG (  )	361 shots

Movies

Using a 16 GB (UHS-I) memory card

Image Quality	Recording File Size (Approx.)	Total Recording Time Per Memory Card (Approx.)	Single Clip Recording Time (Approx.)
	4288 KB/sec.	59 min. 30 sec.	9 min. 59 sec.
	2945 KB/sec.	1 hr. 26 min. 5 sec.	29 min. 59 sec.
	2945 KB/sec.	1 hr. 26 min. 5 sec.	29 min. 59 sec.
	1969 KB/sec.	2 hr. 8 min. 27 sec.	9 min. 59 sec.
	382 KB/sec.	10 hr. 22 min. 35 sec.	29 min. 59 sec.

\* Single-time recording will stop automatically when single recording reaches maximum recordable time or the memory card becomes full. On some memory cards, recording may stop before the maximum recording time has elapsed.

Recording media ..... SD/SDHC/SDXC memory cards

Create Folder ..... Monthly/Daily

File numbering ..... Continuous, Auto Reset

## Playback

Zoom magnification display	
Zoom magnification .....	Min.: approx. 2.0 x Max.: approx. 10.0 x
Movie playback .....	Built-in speaker
Rating .....	Provided
Image protect.....	Provided
Image browsing methods.....	Single image, Jump 10 images, Jump 100 images, Image search (Rating, Date, People, Still images, Movies, Digest movies), Scroll Display
Slideshow .....	All images, slideshow of images after selection from the search list
Post-processing of images (Possible only with images taken with same model).....	Creative filters (Grainy B/W, Soft focus, Fish-eye effect, Art bold effect, Water painting effect, Toy camera effect, Miniature effect), Resize, Red-eye correction

## Customizing

Registration of Custom Functions.....	Shutter button, Movie button
Copyright Info .....	Provided

## Power

Battery pack.....	LP-E12
Number of still image shots (CIPA compliant: room temperature 23 °C/73 °F)	
Monitor On.....	Approx. 295 shots
Number of still image shots (Eco Mode On)	
Monitor On.....	Approx. 410 shots
Movie recording time (CIPA compliant: room temperature 23 °C/73 °F)	
Monitor On.....	Approx. 80 min.
Movie recording time (continuous shooting)*	
Monitor On.....	Approx. 125 min.

\* Total time when recording repeatedly under the following conditions:  
In Auto mode with all settings set to defaults, no zooming or other operations,  
and automatically stop/resume after the time or capacity per recording is  
reached

## Interface

Wired	
Digital terminal (Hi-Speed USB compliant).....	Mini-B
HDMI OUT terminal .....	Type D
HDMI output during recording (no shooting screen or audio)	
Wireless	
NFC .....	NFC Forum Type 3/4 Tag compliant (Dynamic)
Bluetooth	
Compliance standards.....	Bluetooth Ver. 4.1 (Bluetooth low energy technology)
Transmission scheme.....	GFSK modulation scheme

## Wi-Fi

Compliance standards.....IEEE 802.11b (DS-SS modulation),  
IEEE 802.11g (OFDM modulation),  
IEEE 802.11n (OFDM modulation)

## Transmission frequency

Frequency.....2412 – 2462 MHz

Channels .....1 – 11 ch

## Security

Infrastructure mode .....WPA2-PSK (AES/TKIP), WPA-  
PSK (AES/TKIP), WEP

\* Wi-Fi Protected Setup compliant

Camera access point mode.....WPA2-PSK (AES)

Ad hoc mode .....WPA2-PSK (AES)

## Operating Environment

Temperature.....Min.: 0 °C (32 °F), Max.: 40 °C  
(104 °F)

Humidity.....Working humidity: 85 % or less

## Dimensions (CIPA Compliant)

W .....Approx. 108.2 mm (4.3 in.)

H .....Approx. 67.1 mm (2.6 in.)

D .....Approx. 35.1 mm (1.4 in.)

## Weight (CIPA compliant)

Including battery pack, memory card.....Approx. 302 g (10.7 oz.)

Camera body only.....Approx. 266 g (9.4 oz.)

## Battery Pack LP-E12

Type .....Rechargeable lithium-ion battery

Rated voltage.....7.2 V DC

Battery capacity .....875 mAh

Working temperature range .....Charging: 5 °C - 40 °C (41 °F - 104 °F)  
Shooting: 0 °C - 40 °C (32 °F - 104 °F)

## Battery Charger LC-E12/LC-E12E

Compatible battery.....Battery Pack LP-E12

Recharging time.....Approx. 2 hours (at room  
temperature)

Rated input .....100 – 240 V AC (50/60 Hz)

Rated output .....8.4 V DC / 540 mA

Working temperature range .....5 °C - 40 °C (41 °F - 104 °F)

- All the data above is based on Canon's testing standards and CIPA (Camera & Imaging Products Association) testing standards and guidelines.
- Dimensions, maximum diameter, length and weight listed above are based on CIPA Guidelines (except weight for camera body only).
- Product specifications and the exterior are subject to change without notice.
- If a problem occurs with a non-Canon lens attached to the camera, consult the respective lens manufacturer.