Canon

EOS M200

Supplemental Information

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Specifications

■ **Type**

Type:	Digital single-lens non-reflex AF/AE camera
Recording media:	SD/SDHC/SDXC memory card
	* UHS-I cards supported.
Image sensor size:	Approx. 22.3×14.9 mm
Compatible lenses:	Canon EF-M lenses
	* EF/EF-S lenses supported with a mount adapter attached
	(RF lenses not supported)
	(Effective angle of view is approx. 1.6 times the indicated
	focal length.)
Lens mount:	Canon EF-M mount

■ **Image Sensor**

Type:	CMOS sensor (supports Dual pixel CMOS AF)
Effective pixels:	Approx. 24.1 megapixels
	* Rounded to the nearest 100,000.
Aspect ratio:	3:2

■ **Recording System**

Recording format:	Design rule for Camera File System (DCF) 2.0
Image type:	JPEG, RAW (CR3, a Canon 14-bit RAW format)
	RAW+JPEG simultaneous recording possible
	* RAW images shot continuously are processed using
	12-bit AD conversion.
Pixels recorded:	L (Large) : 24.0 megapixels (6000×4000)
	M (Medium) : Approx. 10.6 megapixels (3984×2656)
	S1 (Small 1) : Approx. 5.9 megapixels (2976×1984)
	S2 (Small 2) : Approx. 3.8 megapixels (2400×1600)
	RAW : 24.0 megapixels (6000×4000)
	C-RAW : 24.0 megapixels (6000×4000)
	* Rounded to the nearest 100,000.
Aspect ratio:	3:2, 4:3, 16:9, 1:1
Folder creation and selection:	Available
File numbering:	Continuous, Auto reset, Manual reset

■ **Image Processing During Shooting**

Picture Style:	Auto, Standard, Portrait, Landscape, Fine Detail, Neutral, Faithful, Monochrome, User Defined 1–3
White balance:	Auto (Ambience priority), Auto (White priority), Preset (Daylight, Shade, Cloudy, Tungsten light, White fluorescent light, Flash), Custom, Color temperature setting (approx. 2500–10000 K) White balance correction feature provided * Flash color temperature information transmission possible
Automatic image brightness correction:	Auto Lighting Optimizer provided
Noise reduction:	Applicable to high ISO speed shots and long exposures
Highlight tone priority:	Available
Lens aberration correction:	Peripheral illumination correction, Distortion correction, Digital Lens Optimizer, Chromatic aberration correction, Diffraction correction

■ **Autofocus**

Focus method:	Dual pixel CMOS AF Contrast AF (for 4K movie recording)
AF method:	Face+Tracking, Spot AF, 1-point AF, Zone AF
Available AF areas when automatically selected:	Max. 143
Magnified view:	Approx. 5×/10×
Manual focus (MF):	MF peaking

[Still photo shooting]

AF operation:	One-Shot AF, Servo AF
Eye Detection AF:	Available
Continuous AF:	Available
AF area:	Horizontal: Approx. 88%, Vertical: Approx. 100%
	Horizontal: Approx. 80%, Vertical: Approx. 80%
	* Varies depending on factors such as the lens and aspect ratio used
Focusing brightness range:	EV –4 to 18
	(f/1.4, center AF point, at room temperature, ISO 100, One-Shot AF)
AF-assist beam:	Built-in LED lamp

[Movie recording]

AF area:	Horizontal: Approx. 88%, Vertical: Approx. 100%
	Horizontal: Approx. 80%, Vertical: Approx. 80%
	* Varies depending on factors such as the lens used
Focusing brightness range:	EV –2 to 18
	(f/1.4, center AF point, at room temperature, ISO 100, One-Shot AF, 29.97 fps/25.00 fps)
Movie Servo AF:	Available

■ **Exposure Control**

Metering mode:	Real-time metering with image sensor
	384-zone (24×16) metering
	Still photo shooting:
	• Evaluative metering (linked to all AF points)
	• Partial metering (approx. 5.8% of screen, at center)
	• Spot metering (approx. 2.9% of screen, at center)
	• Center-weighted average metering
	Movie recording:
	Center-weighted average and Evaluative metering with the image sensor
	* Automatically set by the focus method
Metering brightness range:	Still photo shooting: EV –1 to 20 (at room temperature, ISO 100)
	Movie recording: EV 0 to 20 (at room temperature, ISO 100)
Shutter:	Electronically-controlled, focal-plane shutter
Shutter speed:	1/4000 sec. to 30 sec. (total shutter speed range; available range varies by shooting mode), Bulb, X-sync at 1/200 sec.
	* Setting range differs when recording movies
Shooting mode:	Basic shooting modes:
	Scene Intelligent Auto, Hybrid Auto, Special scene (Self Portrait, Portrait, Smooth skin, Landscape, Sports, Close-up, Food, Night Portrait, 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, HDR art vivid, HDR art bold, HDR art embossed)
	Advanced shooting modes:
	Program AE, Shutter-priority AE, Aperture-priority AE, Manual exposure
	Movie recording:
	Movie auto exposure, Movie manual exposure

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ISO speed: (recommended exposure index)	Still photo shooting: Basic shooting modes: ISO speed set automatically Advanced shooting modes: ISO Auto (automatically set within ISO 100–25600), manually set within ISO 100–25600 (in 1/3-stop increments), expandable to H (equivalent to ISO 51200) * With highlight tone priority set, the minimum limit will be ISO 200 Movie recording: [Movie auto exposure] • Full HD/HD movie: Automatically set within ISO 100–12800, expandable to H (equivalent to ISO 25600) • 4K movie: Automatically set within ISO 100–6400 [Movie manual exposure] • Full HD/HD movie: ISO Auto (automatically set within ISO 100–12800), manually set within ISO 100–12800 (in 1/3-stop increments), expandable to H (equivalent to ISO 16000/20000/25600) • 4K movie: ISO Auto (automatically set within ISO 100–6400), manually set within ISO 100–6400 (in 1/3-stop increments) * With highlight tone priority set, the minimum limit will be ISO 200
ISO speed settings:	Max for Auto, ISO expansion
Exposure compensation:	Still photo shooting: ±3 stops in 1/3-stop increments Movie recording: ±3 stops in 1/3-stop increments
AE lock:	Still photo shooting: Auto: Applied in One-Shot AF with evaluative metering when focus is achieved Manual: With AE lock button Movie recording: With AE lock button
Touch shutter:	Available

■ **Drive System**

Drive mode:	Single shooting, Continuous shooting, Self-timer: 10 sec./remote control, Self-timer: 2 sec., Self-timer: Continuous shooting
Continuous shooting speed:	One-Shot AF: Max. approx. 6.1 shots/sec.; Servo AF: Max. approx. 4.0 shots/sec.

    * Continuous shooting speed may be lower, depending on factors such as shutter speed, aperture value, subject conditions, brightness, type of lens, use of flash, temperature, type of power, and battery level.

    * Continuous shooting speed with Servo AF may be lower depending on subject conditions or the lens used.

Maximum burst:	JPEG Large/Fine: Approx. 71 shots
	RAW: Approx. 13 shots
	C-RAW: Approx. 31 shots
	RAW+JPEG Large/Fine: Approx. 12 shots
	C-RAW+JPEG Large/Fine: Approx. 22 shots

    * Maximum burst as measured using a 32 GB UHS-I card conforming to Canon testing standards.

    * Maximum burst varies depending on shooting conditions (such as aspect ratio, subject, memory card brand, ISO speed, Picture Style, and Custom Functions).

■ **Flash**

Built-in flash:	Retractable manual pop-up flash
Guide number:	Approx. 5.0/16.4 (ISO 100, meters/feet)
	Flash coverage: Approx. 15mm lens angle of view
	Recycling time: Approx. 4 sec.
Flash metering:	E-TTL II autoflash
Flash exposure compensation:	±2 stops in 1/3-stop increments
FE lock:	Available
PC terminal:	Not provided
Flash control:	Built-in flash function settings
External Speedlite:	Not supported

■ **Movie Recording**

Recording format:	MP4
Video:	MPEG-4 AVC/H.264, variable (average) bit rate
Audio:	AAC
Movie recording size:	4K (3840×2160), Full HD (1920×1080), HD (1280×720)
	Time-lapse movies: 4K/Full HD
Frame rate:	119.88p/59.94p/29.97p/23.98p (with NTSC)
	100.00p/50.00p/25.00p (with PAL)
Compression method:	Standard (IPB)
	* In Hybrid Auto or time-lapse movie recording: ALL-I
Bit rate/Card	4K (23.98p/25.00p)/Standard (IPB)
performance	: Approx. 120 Mbps/UHS-I, UHS Speed Class 3 or higher
requirements:	Full HD (59.94p/50.00p)/Standard (IPB)
(writing/reading speed)	: Approx. 60 Mbps/SD Speed Class 10 or higher
	Full HD (29.97p/25.00p)/Standard (IPB)
	: Approx. 30 Mbps/SD Speed Class 4 or higher
	HD High Frame Rate (119.88p/100.00p)/Standard (IPB)
	: Approx. 52 Mbps/SD Speed Class 10 or higher
	HD (59.94p/50.00p)/Standard (IPB)
	: Approx. 26 Mbps/SD Speed Class 4 or higher
	4K Time-lapse movie (29.97p/25.00p)
	: 40 MB/sec. or faster (reading speed)
	Time-lapse movie (29.97p/25.00p)
	: 20 MB/sec. or faster (reading speed)

Sound recording:	Built-in stereo microphones provided
	Sound-recording level adjustable, wind filter provided, attenuator provided
Movie digital IS:	Available (Enable/Enhanced)
Video snapshot:	Available
Time-lapse movies:	4K or Full HD
HDMI output:	Image output without information display available
	* 4K output supported; Auto/1080p selectable
Remote control shooting:	Available
Movie self-timer:	Available
Adding orientation information to movies:	Available
Still photo shooting:	Not available during movie recording

■ Screen

Type:	TFT color, liquid-crystal monitor
Screen size and dots:	3.0-in. (3:2) with approx. 1.04 million dots
Field of view (coverage):	Still photo shooting: Approx. 100% vertically/horizontally (when set to Large/Fine)
	Movie recording: Approx. 100% vertically/horizontally
Angular adjustment:	Tilting: Approx. 180° upward
Brightness adjustment:	Manual (7 levels)
Display level settings:	Menu display, Feature guide
Interface languages:	29
Touch-screen panel:	Capacitive sensing

■ **Playback**

Image display format:	Single-image display (without shooting information), Single-image display (with basic information), Single-image display (Shooting information displayed: Detailed information, Lens/histogram, White balance, Picture Style 1, Picture Style 2, Color space/noise reduction, Lens aberration correction 1, Lens aberration correction 2, GPS information), Index display (4/9/36/100 images) * Customizable shooting information display
AF point display:	Available
Magnified view:	Approx. 1.5×–10×
Image search:	Search conditions settable (by rating, date, folder, protect, type of file)
Image browsing method:	1 image, 10 images, Specified number, Date, Folder, Movies, Stills, Protect, Rating
Image rotation:	Available
Image protection:	Available
Rating:	Available
Movie playback:	Available
Start/end movie scene editing:	Available
4K movie frame grab:	Extraction of specified movie frames and saving as JPEG images
Slide show:	All images or images matching the search conditions are played back automatically.
In-camera RAW image processing:	Creative Assist
Creative filters:	Available
Resizing:	Available
Cropping:	Available
Print ordering:	DPOF version 1.1 compatible

■ **Customization Features**

Custom Functions:	6 functions
My Menu:	Up to 5 screens can be registered
Copyright information:	Text entry and appending possible

■ **Interface**

Digital terminal:	Hi-Speed USB equivalent; terminal shape: USB Micro-B
	Used to connect a computer or compact photo printer
HDMI OUT terminal:	Type D (auto switching of resolution)
Wireless remote control:	Compatible with Wireless Remote Control BR-E1 (via Bluetooth)

■ Wireless Features

[Wi-Fi]

Standards compliance:	IEEE 802.11b/g/n
Transmission method:	DS-SS modulation (IEEE 802.11b), OFDM modulation (IEEE 802.11g/n)
Transmission frequency (central frequency):	Frequency: 2412 to 2462 MHz Channels: 1–11
Connection method:	Camera access point mode, infrastructure* * Wi-Fi Protected Setup supported
Security:	Authentication method: Open system, Shared key, or WPA/WPA2-PSK Encryption: WEP, TKIP, AES
Compatible devices/services:	Smartphones, computers, Wi-Fi printers, Web services

[Bluetooth]

Standards compliance:	Bluetooth Specification Version 4.2 compliant (Bluetooth Low Energy technology)
Transmission method:	GFSK modulation
Compatible devices:	Smartphones, wireless remote controls

Airplane mode:	Available

■ **Power**

Battery:	Battery Pack LP-E12, quantity 1
	* AC power usable with household power outlet accessories
Number of possible shots:	Approx. 315 shots at room temperature (+23°C/73°F)
	* With power saving enabled, and using a fully charged Battery Pack LP-E12
Movie recording time available:	Approx. 1 hr. 30 min. at room temperature (+23°C/73°F)
	* Under default movie autoexposure mode settings, and using a fully charged Battery Pack LP-E12

■ **Dimensions and Weight**

Dimensions (W×H×D):	Approx. 108.2×67.1×35.1 mm/4.26×2.65×1.38 in.
Weight:	Approx. 299 g/10.55 oz. (including battery pack and card)/ Approx. 262 g/9.24 oz. (body only)
	* Applies to both black and white models

■ **Operating Environment**

Working temperature range:	0–40°C (32–104°F)
Working humidity:	85% or less

● All the data above is based on Canon's testing standards and CIPA (Camera & Imaging Products Association) testing standards and guidelines.
● Dimensions 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.