Clifton Cameras Product Specification

Canon EOS M6 Mark II Digital Camera Full Spec

IMAGE SENSOR

Type	APS-C CMOS
Effective Pixels	Approx. 32.5 megapixels
Total Pixels	Approx. 25.8 megapixels
Image Quality	L, M, S1, S2, RAW, C-RAW
Sensor Cleaning	EOS integrated cleaning system
Colour Filter Type	Primary Colour

IMAGE PROCESSOR

Type	DIG!C 8

LENS

Lens Mount	EF-M (EF and EF-S lenses compatible via Mount adapter EF- EOS M)

FOCUSING

Type	Dual Pixel CMOS AF System

AF System/ Points	Maximum focusing area (approx., relative to capture image): Horizontal: 88%, Vertical: 100%
	Number of AF area available for automatic selection: Face+ Tracking AF: Max. 143 points.
	Selectable positions for AF point: Max. 5481 zones
	Max. number of AF points: (Same with number of AF area available: Max. 143)
Focusing brightness range	EV -5 – 18
AF Modes	One-Shot AF, Servo AF, Touch & Drag AF, Eye Detection AF (One-shot & Servo), Face & Tracking
AF Lock	Locked when shutter button is pressed half way, or via the 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: Available (Level: High/Low, Colour Red/Yellow/Blue)

EXPOSURE CONTROL

Metering modes	384- zone (24 x 16) metering with image sensor. Center-weighted average metering: Supported Evaluative metering: Supported
Metering Range	Still image: EV -2 – 20
	Movie: EV 0 – 20
AE Lock	Stills: Auto/Manual Movie: Manual

Exposure Compensation	+/-3 EV in 1/3 stop increments or ½ stop increments
AEB	+/-3 EV in 1/3 stop increments or ½ stop increments
ISO Sensitivity	STILLS:

Creative Zone

– ISO Auto: 100-25600

- Manually set: 100-25600, H (equivalent to ISO 51200) Basic Zone
- ISO Auto: Varies by shooting mode

MOVIES:

Shooting with auto exposure

-ISO Auto: 100-12800 (expanded in Creative Zone) Shooting with manual exposure

-ISO Auto: 100-12800

-Manually set: ISO 100-12800

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

White balance compensation:

1. Blue/Amber +/-9 levels
2. Magenta/ Green +/-9 levels

Custom White Balance	Yes. However, not available for monochrome, creative filter or RAW burst mode images.

VIEWFINDER

Type	Optional Electronic Viewfinder EVF-DC1, EVF-DC2

Viewfinder Information	With EVF-DC2:

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:

Shooting Info, Grid overlay (x3 formats), Histogram (Brightness/ RGB), Electronic Level, Aspect Ratio

Depth of field preview	Yes, via customisable buttons

LCD MONITOR

Type	7.5 cm (3.0") ClearView II Touchscreen LCD (TFT). 3:2 aspect ratio. Approx. 1,040,000 dots. Electrostatic capacitive type. Tiltable 180 degrees up and 45 degrees down.

Touch Shutter	Available
Coverage	Approx. 100%
Brightness Adjustment	Adjustable to one of seven levels

FLASH

Built-in Flash GN (ISO 100, meters)	4.6
Built-in Flash Coverage	Maximum coverage at approx. 15mm (35mm equivalent: approx. 24mm)
Red-Eye Reduction	Yes – with red eye reduction lamp
X-sync	Yes
Flash Exposure Compensation	+/- 2 EV in 1/3 or ½ stop increments
Retraction Method	Manual pop-up flash (auto pop-up not included)
Recycle time	Approx 4 seconds
External Flash Compatibility	EL series Speedlites
External Flash Control	Via camera setting/ flash setting menu

SHOOTING

Modes	Scene Intelligent Auto, Hybrid Auto, Creative Assist, SCN(Self- Portrait, Portrait, Landscape, Close-up, Sports, Food, Panning, 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), Program AE , Shutter priority AE, Aperture priority AE, Manual exposure, Custom (x2), Movie (Movie auto exposure, Movie manual exposure, Time-lapse movie)
Picture Styles	Auto, Standard, Portrait, Landscape, Fine Detail, Neutral, Faithful, Monochrome, User Defined (x3)
Colour Space	Selectable between sRGB and Adobe RGB
Image Processing	Highlight Tone Priority Auto Lighting Optimizer (4 settings) Long exposure noise reduction Digital Lens Optimizer Peripheral illumination correction Distortion correction Chromatic aberration correction Diffraction correction Creative Assist: Base Style: Auto/Standard/Portrait/Landscape/Fine Detail/ Neutral/ Faithful/ Monochrome/Picture Style File Monochrome (Sharpness Strength / Sharpness Fineness / Sharpness Threshold / Contrast (9 levels) / Filter effect (Ye – Yellow / Or – Orange / R – Red / G (Green) / Toning effect (S – Sepia / B – Blue / P – Purple / G – Green))
Drive modes	Single, High-Speed Continuous, Panning, Low-Speed Continuous, Self timer (2s, 10s, Custom, Remote)
Continuous Shooting	High-speed + (one-shot and Servo): 14 High-speed (one-shot and Servo): 7 Low-speed (one-shot and Servo): 3 RAW Burst mode: 23
Intervalometer	Time-Lapse Movie Mode
Live View Mode	

Coverage	Approx. 100% (horizontally and vertically)

FILE TYPE

Still Image Type	JPEG: Fine, Normal (Exif 2.31 compliant) / Design rule for Camera File system (2.0)
	RAW: RAW (14-bit, Canon original RAW)
RAW+JPEG simultaneous recording	Yes, RAW + various JPEG compression possible
Image Size	RAW: (3:2) 6960 x 4640, (4:3) 6960 x 4640, (16:9) 6960 x 4640, (1:1) 6960 x 6960
	JPEG 3:2: (L) 6960 x 4640, (M) 4800 x 3200, (S1) 3472 x 2320, (S2) 2400 x 1600
	JPEG 4:3: (L) 6160 x 4640, (M) 4256 x 3200, (S1) 3072 x 2320, (S2) 2112 x 1600
	JPEG 16:9: (L) 6960 x 3904, (M) 4800 x 2688, (S1) 3472 x 1952, (S2) 2400 x 1344
	JPEG 1:1: (L) 4640 x 4640, (M) 3200 x 3200, (S1) 2320 x 2320, (S2) 1600 x 1600
	In-camera RAW processing & Image Resize available in playback
Movie Type	MP4 [Video: MPEG-4 AVC/H.264, Audio: AAC

Movie Size	4K – 2840 x 2160 (NTSC: 29.97 PAL: 25 fps) Full HD – 1920 x 1080 (NTSC:29.97 PAL: 25 fps) HD – 1280 x 720 (NTSC: 59.94 PAL: 50 fps) HDR – 1920 x 1080 (NTSC: 29.97 PAL: 25 fps)
Movie Length	Max duration 29min 59sec, Max file size 4GB
OTHER FEATURES	
Custom Functions	15 customisable buttons/ dials
Intelligent Orientation Sensor	Yes, with Image Rotate
Playback zoom	1.5x – 10x enabled
Display Formats	1. Single image with information (toggle up to 8 options) 2. Single image 3. Index display (4/9/36/100 images) 4. Jump Display (1/10/100 image, by shot date, by folder, by movies, by stills, by protected images, by rating)
Slide Show	Playback time: 1/2/3/5/10/20 seconds Repeat: On/Off Transition Effects: Off, Slide in 1/ Slide in 2/ Fade 1/2/3
Histogram	Brightness/ RGB
Highlight Alert	Yes
Image Erase/Protection	Erase: Single image, Selected images, Selected range, All images Protection: Selected images, Selected range, All images. Unprotect all images in folder/on card

Menu Categories	1. Still photo shooting
	2. Movie recording
	3. Playback
	4. Wireless settings
	5. Function settings
	6. Customization settings
	7. My menu

Menu Languages	25 Languages
	English, German, French, Dutch, Danish, Portuguese, Finnish, Italian, Norwegian, Swedish, Spanish, Greek, Russian, Polish, Czech, Hungarian, Vietnamese, Hindi, Romanian, Ukrainian, Turkish, Arabic, Thai, Simplified Chinese, Traditional Chinese, Korean, Malay, Indonesian and Japanese

Firmware Update	Firmware update possible by the user: Camera firmware
	Lens firmware
	External Speedlite firmware BR-E1 firmware

INTERFACE

Transmission	Hi-Speed USB (2.0) (Micro USB connector)
Terminal Type	USB Type-C
Other	Wireless LAN (IEEE802.11b/g/n), (2.4 GHz only, 1-11 ch)
	Bluetooth® (Specification version 4.1, Bluetooth low energy technology)
	HDMI (Type-D connector) CEC not compatible External microphone (3.5mm stereo mini jack)

DIRECT PRINT

Canon Printers	Canon Compact Photo Printers and PIXMA Printers supporting PictBridge
PictBridge	Yes (Wireless LAN)

STORAGE

Type	SD, SDHC, SDXC (UHS-II compatible)

SUPPORTED OPERATING SYSTEM

PC & Macintosh	Windows & Mac OS compatible
Sending images to smartphone	After establishing a Wi-Fi connection with the camera and your smartphone, images can be sent using the Canon Camera Connect App.
Cloud/ Utility	Upload photos direct from the camera to Web Services or utilize EOS Utility to send images to your computer.

SOFTWARE

Image Processing	Digital Photo Professional
Other	Picture Style Editor, EOS Utility, Image Transfer Utility. Camera Connect app available on iOS and Android devices.

POWER SOURCE

Batteries	1 x Rechargeable Li-ion Battery LP-E17
Battery life	Screen on: Approx 305 shots Viewfinder on: Approx 250 shots Eco mode/screen on: Approx 410 shots Movie recording time: Up to 2hr 25min Playback time: Approx 300min
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-E17E
	In-camera battery pack charging with USB Power Adapter PD-E1

PHYSICAL SPECIFICATIONS

Body Materials	Magnesium alloy and electrolytic zinc-coated steel sheet
Operating Environment	0 – 40 °C, 85% or less humidity
Dimensions (WxHxD)	119.6 x 70.0 x 49.2 mm
Weight (body only)	Approx. 408 g (CIPA testing standard, including battery and memory card)

ACCESSORIES

All	Optional Electronic Viewfinder EVF-DC1, EVF-DC2 External Flash: EX and EL series Speedlites Speedlite Transmitter: ST-E3-RT/ ST-E2
	Off-Camera Shoe Cord OC-E3
	AC Power Source: AC adapter CA-PS700 and DC coupler DR-E17
	AC adapter kit ACK-E17
	Interface Cable: IFC-100U, IFC-400U External Microphone: DM-E1 Remote Switcher: RS-60E3
	Timer Remote Controller: TC-80N3 Bluetooth Remote Control: BR-E1 Strap: EM-200DB