

## Clifton Cameras Product Specification

### Canon EOS M50 Mark II Full Spec

<b>IMAGE SENSOR</b>	
<b>Type</b>	22.3 x 14.9mm CMOS
<b>Effective Pixels</b>	Approx. 24.1 megapixels
<b>Total Pixels</b>	Approx 25.8 megapixels
<b>Aspect Ratio</b>	3:2
<b>Low-Pass Filter</b>	Built-in/Fixed
<b>Sensor Cleaning</b>	EOS integrated cleaning system
<b>Colour Filter Type</b>	Primary Colour
<b>IMAGE PROCESSOR</b>	
<b>Type</b>	DIGIC 8
<b>LENS</b>	
<b>Lens Mount</b>	EF-M (EF and EF-S lenses compatible via Mount adapter EF-EOS M)
<b>Focal Length</b>	Equivalent to 1.6x the focal length of the lens
<b>Image Stabilisation</b>	Optical Image Stabilizer on compatible lens Movie: In-camera Digital IS available. Further stabilisation enhancements from lenses compatible with Dynamic IS
<b>FOCUSING</b>	
<b>Type</b>	Dual Pixel CMOS AF System. Phase detection pixels built onto imaging sensor [1] Contrast detection method is used during 4K Movie Servo AF
<b>AF System/Points</b>	Maximum 3975 positions Maximum 143/99 points available for automatic selection in Face+Tracking mode. May vary depending on settings. Max 25 frames in Zone AF [2] Freely position 1 AF point/ 1 AF Zone via manual selection (area available lens dependent)
<b>AF working range</b>	EV -4 -18 (at 23 °C, ISO 100, with EF-M 32mm f/1.4 STM)
<b>AF Modes</b>	One-Shot AF and Servo AF

<b>AF Point Selection</b>	<p>Face + Tracking: Face and subject tracking via automatic recognition/ manual selection via touchscreen. Automatic selection over AF points when no face recognised within frame.</p> <p>Eye AF available</p> <p>Zone AF: Manual zone selection, plus automatic selection over AF points within selected zone</p> <p>1-point AF / Spot AF: Manual selection via touchscreen/ buttons</p>
<b>Selected AF point display</b>	Indicated on LCD monitor/ EVF
<b>AF Lock</b>	Locked when shutter button is pressed half way or customisable AE Lock Button
<b>AF Assist Beam</b>	via LED assist beam
<b>Manual Focus</b>	<p>With EF &amp; EF-S lenses -Select via AF/MF switch on lens</p> <p>With EF-M lenses -Select via dedicated MF Button/ other customisable buttons (toggle AF/MF).</p> <p>MF Peaking available</p> <p>AF+MF available (Manual focus adjustment after One-Shot AF)</p> <p>Magnify image available during MF (5x or 10x)</p>
<b>EXPOSURE CONTROL</b>	
<b>Metering modes</b>	<p>Real-time metering from the image sensor</p> <p>(1) Evaluative metering (384 zones)</p> <p>(2) Partial metering at center (approx. 5.8% of Live View Screen)</p> <p>(3) Center weighted average metering</p> <p>(4) Spot metering (approx. 2.9% of Live View Screen)</p> <p>Partial and spot metering not available in movie</p>
<b>Metering Range</b>	<p>Still image: EV -2 -20 (at 23 °C, ISO 100)</p> <p>Movie: EV 0 -20 (at 23 °C, ISO 100)</p>

<b>FLASH</b>	
<b>Built-in Flash GN (ISO 100, meters)</b>	5
<b>Built-in Flash Coverage</b>	Maximum coverage at approx. 15mm (35mm equivalent: approx. 24mm)
<b>Built-in Flash recycle time</b>	Approx. 3 seconds [4]
<b>Modes</b>	Auto (E-TTL II)
<b>Red-Eye Reduction</b>	Yes
<b>X-sync</b>	1/200 sec
<b>Flash Exposure Compensation</b>	+/-2 EV in 1/3 increments
<b>Flash Exposure Lock</b>	Yes
<b>Second Curtain Synchronisation</b>	Yes
<b>HotShoe/ PC terminal</b>	Yes/No



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<b>External Flash Compatibility</b>	E-TTL II with EX series Speedlites, wireless multi-flash support
<b>External Flash Control</b>	Via camera setting/ flash setting menu
<b>SHOOTING</b>	
<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>Picture Styles</b>	Auto, Standard, Portrait, Landscape, Fine Detail, Neutral, Faithful, Monochrome, User Defined (x3)
<b>ColourSpace</b>	sRGB and Adobe RGB
<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 Creative Assist: Presets Background Blur (5 settings) Brightness (19 levels) Contrast (9 levels) Saturation (9 levels) Color Tone 1 & 2 (19 levels) Monochrome (Off/Black and white/Sepia/Blue/Purple/Green)
<b>Drive modes</b>	Single, High-Speed Continuous, Low-Speed Continuous, Self timer (2s, 10s, Remote)
<b>Continuous Shooting</b>	One shot AF: Approx. 10 shots/sec for up to 36 frames in JPEG and 10 frames in RAW [5]
<b>LIVE VIEW MODE</b>	
<b>Coverage</b>	Approx. 100% (horizontally and vertically)
<b>FILE TYPE</b>	
<b>Still Image Type</b>	JPEG: Fine, Normal (Exif2.31 compliant) / Design rule for Camera File system (2.0) RAW: RAW (CR3 14-bit), Digital Print Order Format [DPOF] Version 1.1 compliant

<b>RAW+JPEG simultaneous recording</b>	Yes, RAW + various JPEG compression possible
<b>DIRECT PRINT</b>	
<b>Canon Printers</b>	Canon Compact Photo Printers and PIXMA Printers supporting PictBridge
<b>PictBridge</b>	Canon Compact Photo Printers and PIXMA Printers supporting PictBridge
<b>STORAGE</b>	
<b>Type</b>	SD, SDHC, SDXC (UHS-I compatible)
<b>SUPPORTED OPERATING SYSTEM</b>	
<b>PC &amp; Macintosh</b>	See support pages for up-to-date information
<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 [8]
<b>POWER SOURCE</b>	
<b>Batteries</b>	1 x Rechargeable Li-ion Battery LP-E12
<b>Battery life</b>	Viewfinder: Approx. 250 shots (at 23°C, AE 50%, FE 50%) [9] Live view: Approx 305 shots (at 23°C, AE 50%, FE 50%) [9] 4K Movie Recording: Approx. 95 mins Full HD Movie Recording: Approx 130 mins Playback time when playing back a slideshow of still images: Approx. 3 hrs 45 mins
<b>Battery Indicator</b>	4 levels
<b>Power saving</b>	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
<b>Power Supply &amp; Battery Chargers</b>	Battery charger LC-E12 Compact Power Adapter CA-PS700 DC Coupler DR-E12
<b>PHYSICAL SPECIFICATIONS</b>	
<b>Body Materials</b>	Polycarbonate
<b>Operating Environment</b>	0 –40 °C, 85% or less humidity
<b>Dimensions (WxHxD)</b>	116.3 x 88.1 x 58.7mm
<b>Weight (body only)</b>	Approx 387g (black), 388g (white), CIPA testing standard including battery and memory card

