

# EOS C100 Mark II

Tell incredible stories,  
wherever they take you

Perfect for single person video production, the EOS C100 Mark II allows you to achieve your boldest visual ambitions. This intuitive camera offers next level Cinema EOS imaging performance and genuine creative freedom.



Dual Pixel CMOS AF



AVCHD Progressive



OLED



- Realise your creative vision with next-level Cinema EOS imaging performance
- Ideal for individuals and less experienced shooters thanks to Dual Pixel CMOS AF and Face Detection AF\*
- Enjoy beautiful, low noise images in all kinds of lighting conditions at up to ISO 102,400
- Choose the settings to meet production goals: shoot at up to 1080/60p, or HD and SD simultaneously
- Easy to pack and carry, and easier than ever to use – with OLED display and tiltable EVF
- Be fast to the edit suite: share quickly with Dual Format recording and built-in Wi-Fi
- Enjoy new shooting opportunities with hardware and W-Fi remote control options
- For the highest image quality, use HDMI output to record off-board at high bit rates
- Capture every angle with over 80 current EF and EF Cinema lenses
- Impressive audio that complements your quality footage
- CPS Video support keeps your business running smoothly

\* Face Detection AF available with compatible Canon lenses

## Product Range:



EOS C300



EOS C100MarkII



EOS C100

EOS C500  
EOS C500 PL  
EOS C300  
EOS C300 PL  
**EOS C100 Mark II**  
EOS C100  
EOS-1D C  
RC-V100

Canon

# Technical Specifications

# EOS C100 Mark II

## Camera

### IMAGE SENSOR

<b>Sensor</b>	Super 35 mm type CMOS
<b>System</b>	RGB primary colour filter (Bayer array)
<b>Total pixels per sensor</b>	9.84 megapixels
<b>Effective pixels per sensor</b>	8.29 megapixels Approx. (3840 x 2160)
<b>Minimum illumination</b>	59.94Hz Mode 0.3 Lux [F1.2 lens, 24 dB, PF29.27 mode, shutter speed 1/30] 50Hz Mode 0.25 Lux [F1.2 lens, 24 dB, PF25, shutter speed 1/25]
<b>Sensitivity</b>	59.94Hz Mode F9 [1920 x 1080 / 59.94i, ISO640 (0dB), 2000 Lux, 89.9% reflection] 50Hz Mode: F10 [1920 x 1080 / 50.00i, ISO640 (0dB), 2000 Lux, 89.9% reflection]
<b>S/N Ratio</b>	59.94Hz Mode 54 dB (Typical) [1920 x 1080 / PF29.97, Canon Log base sensitivity ISO850 (Dynamic range 800%)] 50Hz Mode: 54dB (Typical) [1920 x 1080 / PF25, Canon Log base sensitivity ISO850 (Dynamic range 800%)]
<b>Dynamic Range</b>	During normal shooting: 300% With Canon Log gamma: 800%. With Wide Dynamic Range setting (Wide DR): 800% (ISO 850 or above / gain 2.5 dB or more)
<b>Horizontal Resolution</b>	Dependent on lens used

### LENS

<b>Lens Mount</b>	Canon EF Mount, including EF-S and EF Cinema lens
<b>Focal length</b>	Equivalent to 1.53x the focal length of EF lenses;
<b>Peripheral illumination correction</b>	YES (dependent on lens used)
<b>ND filter</b>	4 glass filters in camera body: Clear; 2 stops; 4 stops; 6 stops. Operate via dial on body.
<b>Focus control<sup>1</sup></b>	(A) Manual via lens focus ring; (B) ONE-SHOT AF AND (C) Continuous AF also available. AF System: Dual Pixel CMOS AF TTL-video signal detection system (contrast detection) when face AF selected <sup>1</sup> FACE DETECTION AF: Face Priority or Face Only AF option
<b>Iris control</b>	Via body, grip, remote control or Push Auto Iris control. Continuous Auto Iris Control available with selected EF-S STM lenses <sup>1</sup> 1/2-stop, 1/3-stop or FINE control. Possible to maintain constant F-number during zoom.
<b>Image stabilization system</b>	Depends on lens used

### IMAGE PROCESSOR

<b>Type</b>	DIGIC DV 4
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## Recording

<b>Video storage media</b>	SD / SDHC / SDXC card (2 card slots)
<b>Recording time</b>	64GB SD card: up to 5 hours, 5 minutes. (1920 x 1080 @28 Mbps VBR)
<b>Recording file format</b>	AVCHD / MP4. Dual format recording available
<b>Recording format</b>	AVCHD: MPEG-4 AVC / H.264 28 / 24 / 17 Mbps 1920 X 1080; 7 Mbps VBR (1440 x 1080). ALL VBR / 4:2:0 SAMPLING MP4: AVC / H.264 35 / 24 / 17 Mbps 1920 X 1080; 4 Mbps 1280 X 720; 3Mbps 640 X 360. ALL VBR / 4:2:0 SAMPLING
<b>Recording frame rate</b>	AVCHD: 59.94 Hz (NTSC) MODE. 28Mbps: 59.94P. 24 / 17 / 7Mbps: 59.94i / PF29.97 / 23.98P 50.00 Hz mode (PAL) MODE. 28 Mbps: 50.00P. 24 / 17 / 7Mbps: 50.00i / PF25 MP4: 59.94 Hz (NTSC) MODE. 35 Mbps: 59.94P. 29.97P / 23.98P: 24 / 17 / 7 / 4 / 3 Mbps 50.00 Hz mode (PAL) MODE. 35 Mbps: 50.00P. 24 / 17 / 7 / 4 / 3 Mbps: 25.00P
<b>Slow/Fast motion</b>	YES (MP4 HD mode only, 2.5x fast motion, 0.5x slow motion)
<b>Interval Record</b>	NO
<b>Continuous Recording Mode</b>	YES. (Requires compatible Non Linear Editing software to exploit this feature)
<b>Pre Record (cache record)</b>	YES (3 seconds)
<b>Relay Recording</b>	YES
<b>Double Slot (simultaneous) Recording</b>	YES. AVCHD + AVCHD / AVCHD + MP4 / MP4 + MP4
<b>Scan Reverse</b>	YES. Vertical or horizontal image inversion, or both.
<b>HD-&gt;SD conversion</b>	Yes AVCHD - MP4 conversion in Playback Mode

## Internal Data Transfer

### Photo storage media

### Still quality

## System

<b>LCD</b>	Organic LED (OLED) 8.8 cm (3.5"), 100% view
<b>Size</b>	1.23 million (approx.)
<b>Dots</b>	Brightness, Contrast, Colour, Sharpness, Luminance, Colour Balance
<b>Image quality adjustments</b>	Up / down / left / right according to camera configuration

<b>Adjustable</b>	YES
<b>Waveform Monitor</b>	Peaking; Magnifying (25 points selectable, Manual Focus mode) Edge Monitor (using waveform display)
<b>Focus Assist</b>	Peaking 1, Peaking 2 (Colour, Gain, Frequency customisable for each)

### Peaking

### Zebra

### Markers

### EVF

<b>Size</b>	1.15 cm
<b>Dots</b>	1.23 million (approx.) 99.8% field of view
<b>Image quality adjustments</b>	Brightness, Contrast, Colour, Sharpness, Backlight,
<b>Adjustable</b>	YES
<b>Correction lens</b>	+ 2.0 to -5.5 diopters

### INPUTS/OUTPUTS

<b>Audio in</b>	XLR inputs with 48V phantom power (x2) on handle, 3.5 mm microphone input jack on camera body
<b>Headphone output</b>	3.5 mm stereo jack
<b>Video monitor output</b>	NO
<b>HDMI</b>	YES (Type A, output only)
<b>IEEE 1394 (Firewire)</b>	NO
<b>USB</b>	YES (Mini-B, USB 2.0 Hi-Speed OUTPUT Only)
<b>HD/SD-SDI output</b>	NO
<b>Time code</b>	YES (Superimposed on HDMI Output signal, SELECTABLE)
<b>Genlock</b>	NO
<b>Synch</b>	NO
<b>Component out</b>	NO
<b>AV terminal</b>	YES (output only)
<b>DC input</b>	YES
<b>Remote Control Terminal</b>	2.5mm mini jack; compatible with RC-V100
<b>Wireless Control Terminal</b>	NO
<b>Colour Bars</b>	EBU/SMPTE, (50.00Hz mode) SMPTE/ARIB (59.94Hz mode)

### MISC

<b>Tally lamp</b>	YES
<b>Accessory shoe</b>	YES (cold shoe, 2 locations: top of body, front of handle)
<b>Custom key</b>	YES. 17 assignable buttons; select from APPROX. 52 functions. Side grip joystick functions assignable to alternative buttons.

## Shooting functions

### EXPOSURE

<b>Exposure Setting and metering</b>	Manual: Exposure determined by shutter setting, iris setting, ISO / gain setting and ND filter setting; Push Auto Iris / Continuous AI metering options: (i) Standard (Centre-weighted metering) (ii) Spotlight (iii) Backlight (compensation)
<b>Exposure compensation</b>	YES. AE Shift function. +/-2, +/-1.75, +/-1.5, +/-1.25, +/-1.0, +/-0.75, +/-0.5, +/-0.25, +/-0
<b>Auto Exposure mode*</b>	YES. Continuous Auto Iris (Canon lenses with 'stepping motor' (STM))
<b>Push Auto Iris</b>	YES (EF and EF-S lenses. Not available with EF Cinema Lenses.)
<b>Exposure Lock</b>	NO
<b>Auto Gain Control setting</b>	NO
<b>ISO Sensitivity</b>	1-stop display: 320, 400, 800, [850], 1600, 3200, 6400, 12800, 20000, 25600, 51200, 80000. Max 102,400 1/3rd stop display: 320, 400, 500, 640, 800, [850], 1000, 1250, 1600, 2000, 2500, 3200, 4000, 5000, 6400, 8000, 10000, 12800, 16000, 20000, 25600, 32000, 40000, 51200, 64000, 80000. Max 102,400

# Technical Specifications

# EOS C100 Mark II

<b>Gain setting</b>	NORMAL: -6 dB, -3 dB, 0 dB, 3 dB, 6 dB, 9 dB, 12 dB, 15 dB, 18 dB, 21 dB, 24 dB, 27 dB, 30 dB; Extended Range on: 33 dB, 36 dB, 39 dB, 42 dB, 44 dB FINE: -6 dB to 24 dB (0.5 dB increments).
<b>SHUTTER SPEED</b>	
<b>Control Modes</b>	Off; Speed; Angle; Clear Scan (CS); Slow Shutter (SLS)
<b>Shutter speed</b>	1/3 to 1/2000 depending on frame rate and Shutter Control Mode
<b>Shutter Angle</b>	11.25° to 360° depending on frame rate
<b>Slow Shutter (SLS)</b>	1/3, 1/4, 1/6, 1/8, 1/12, 1/15, 1/25, 1/30 depending on frame rate and camera frequency mode
<b>Clear Scan</b>	59.94Hz Mode: 59.94i : 59.94 -250.51Hz/PF 29.97: 29.97Hz - 250.51Hz/23.98P: 23.98Hz - 250.51Hz 50.00Hz Mode: 50.00i: 50Hz-250.51Hz/ PF25.00: 25Hz - 250.51Hz
<b>CUSTOM PICTURE</b>	
<b>Stored Configurations</b>	9, including 3 presets (CINEMA, Wide Dynamic Range (Wide DR) and EOS Std)
<b>Storage Medium</b>	SD / SDHC memory card (all customisation data and metadata), up to 20 Custom Pictures per card
<b>Gamma</b>	9 profiles
<b>Canon Log Gamma</b>	YES
<b>Master Pedestal</b>	-50 to +50
<b>Master Black</b>	-50 to +50 for each of R, G, B
<b>Black Gamma</b>	Adjustable Level, Range and Point
<b>Low Key Saturation</b>	-50 to +50 adjusts colour saturation in low brightness area
<b>Knee</b>	Adjusts over exposure characteristic, start, slope, saturation
<b>Sharpness</b>	Adjustment for Level, H Detail Freq., Coring, HV Detail Balance, Limit, Select, Knee Aperture and Level dependent sharpness
<b>Noise reduction</b>	Off, On (1 to 12)
<b>Skin detail</b>	Off, Low, Middle, High / Hue, Chroma, Brightness, Area, Y Level
<b>Selective Noise Reduction</b>	Off, Low, Middle, High / Hue, Chroma, Brightness, Area, Y Level
<b>Colour matrix</b>	Phase, Gain and RGB adjustment, in tandem with Gamma selection
<b>White balance</b>	-50 to +50 R Gain, B Gain
<b>Colour correction</b>	Area selection / area revision of two areas
<b>Setup level</b>	-50 to +50 On / Off
<b>Clip 100% IRE</b>	Limits output to 100% after setup adjustment

## Wi-Fi & GPS Specifications

<b>Wi-Fi</b>	IEEE 802.11 b/g/n (2.4GHz) / IEEE 802.11 a/n (5GHz. Not available in all territories) Authentication: Open,WPA-PSK / WPA2-PSK. Encryption System: WEP-64, WEP-128, TKIP, AES Max. Transmission Speed: 150 Mbps (2.4/5 GHz, IEEE802.11n)
<b>GPS Information (Optional Accessory)</b>	Latitude / Longitude / Elevation, Coordinated Universal Time (UTC)
<b>WHITE BALANCE</b>	
<b>Auto</b>	YES
<b>Presets</b>	Daylight (5400K), Tungsten (3200K), Kelvin (2000K-15000K, 100K intervals), Set A, Set B

<b>White Balance Shift</b>	YES. -9 to +9 (Daylight and Tungsten only)
<b>BLACK BALANCE</b>	
<b>Black balance adjustment</b>	YES
<b>TIME CODE</b>	
<b>Countup system</b>	Regen, RecRun, FreeRun, Hold (Drop frame available for some frame rates), NDF only in 24P
<b>Start value setting</b>	"00:00:00:00"; Set / Reset selectable
<b>AUDIO</b>	
<b>Recording</b>	AVCHD: Linear PCM 16-bit 2ch (48 kHz) when 28 or 24 Mbps LPCM selected Dolby Digital when 24 / 17 / 7 Mbps selected. MP4: MPEG-4 AAC-LC (16 bit / 48kHz / 2 ch) Independent limiters and auto / manual settings
<b>Control</b>	
<b>Microphone attenuation</b>	YES, for built in microphone (in handle unit) and 3.5 mm MIC jack
<b>Microphone level meter</b>	YES

## Accessories

<b>Supplied</b>	Data Import Utility Software, Handle Unit with microphone, Thumbrest, Grip, Tripod base adaptor plate, Shoulder strap SS-1200, EVF cap, Battery Charger CG-940, Battery pack BP-955, Compact Power Adpter CA941 Tripod Base TB-1, Eyecup
<b>Optional</b>	Batteries BP-955, BP-950G/970G/975, Compact Power Adaptor CA-930 (Charge function only), Tripod Adapter TA-100, Shooting Brace SBR-1000, GPS Receiver GP-E2, Remote Controller RC-V100

## BATTERY

<b>Power Consumption</b>	Max Approx. 10W
<b>Continuous Recording Time</b>	Supplied BP-955: Up to 275 minutes, Optional BP-975: Up to 405 minutes,

## Miscellaneous

<b>Dimensions</b>	147 x 174 x 169 mm: Body and thumb rest 188 x 189 x 219 mm: Body, side grip and eyecup 188 x 280 x 334 mm: Body, grip, top handle, eyecup
<b>Detachable handle</b>	YES
<b>Weight (camera only)</b>	1125 g
<b>Weight (fully equipped)</b>	1950 g
<b>Operating Temperature range</b>	-5°C to +45°C, 60% relative humidity

## Disclaimers

<sup>1</sup> Function available with the following lenses:  
EF-S 18 -135mm f/3.5-5.6 IS STM;  
EF-S 18-55mm f/3.5-5.6 IS STM;  
EF-S 55-250mm f/4-5.6 IS STM;  
EF-S 10-18mm f/4.5-5.6 IS STM

<sup>2</sup> AF not available with Cinema lenses and other manual focus lenses

All specifications are subject to change without notice

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Sales Start Date: January 2015

#### Product Details:

Product Name	Mercury Code	EAN Code	Recommended Retail Price
EOS C100 Mark II	0202C007AA	8714574625270	<Please fill in RRP>

#### Optional Accessories:

Product Name	Mercury Code	EAN Code	Recommended Retail Price
Tripod adapter	9859A001AA	4960999247281	<Please fill in RRP>
Compact Power adapter	8769B003AA	4960999996325	<Please fill in RRP>
Tripod base	4592B001AA	4960999671536	<Please fill in RRP>
Battery Video light	1729B001AA	4960999408316	<Please fill in RRP>
Compact Power adapter GB	8769B005AA	8714574626383	<Please fill in RRP>
Shooting brace	0975B001AA	4960999321875	<Please fill in RRP>
Battery pack	4587B002AA	4960999671406	<Please fill in RRP>
Battery charger	5848B003AA	4960999814865	<Please fill in RRP>
GPS Receiver	6363B001AA	4960999848358	<Please fill in RRP>
Remote controller	9660B001AA	4549292014013	<Please fill in RRP>

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## Measurement / Logistic Information:

Product Name	Mercury code	Pack type	Pack description	Quantity per pack	Length (mm)	Width (mm)	Height (mm)	Net Weight (Kg)	Gross Weight (Kg)
EOS C100 Mark II	0202C007AA	EA	Each	1	370	320	320	4.22 Kg	4.75 Kg
		CT	Carton (outer)	1	370	320	320	—	5.22 kg
		EP	Euro Pallet	18	1200	800	1111	—	104 kg

## What's in the box?

- Data Import Utility Software
- Handle Unit with microphone
- Thumbrest
- Grip
- Tripod base adaptor plate
- Shoulder strap SS-1200
- EVF cap
- Battery Charger CG-940
- Battery pack BP-955
- Compact Power Adpter CA941
- AC Cable
- Tripod Base TB-1
- Eyecup