

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.



- 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 C700
EOS C300 Mark II
EOS C100 Mark II
EOS C100

EOS C300 Mark II



EOS C100 Mark II



EOS C100

Technical Specifications

EOS C100 Mark II

CAMERA

IMAGE SENSOR

Sensor	Super 35 mm type CMOS
System	RGB primary colour filter (Bayer array)
Total pixels per sensor	9.84 megapixels
Effective pixels per sensor	8.29 megapixels Approx. (3840 x 2160)
Minimum illumination	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]
Sensitivity	59.94Hz Mode F9 [1920 x 1080 / 59.94i, ISO640 (OdB), 2000 Lux, 89.9% reflection] 50Hz Mode: F10 [1920 x 1080 / 50.00i, ISO640 (OdB), 2000 Lux, 89.9% reflection]
S/N Ratio	59.94Hz Mode 54dB (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%)]
Dynamic Range	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)
Horizontal Resolution	Dependent on lens used

LENS

Lens Mount	Canon EF Mount, including EF-S and EF Cinema lens
Focal length	Equivalent to 1.53x the focal length of EF lenses; Cinema Zoom lenses as per lens focal length
Peripheral illumination correction	YES (dependent on lens used)
ND filter	4 glass filters in camera body: Clear; 2 stops; 4 stops; 6 stops. Operate via dial on body.
Focus control²	(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 ¹ FACE DETECTION AF: Face Priority or Face Only AF option
Iris control	Via body, grip, remote control or Push Auto Iris control. Continuous Auto Iris Control available with selected EF-S STM lenses ¹ 1/2-stop, 1/3-stop or FINE control. Possible to maintain constant F-number during zoom.
Image stabilization system	Depends on lens used

IMAGE PROCESSOR

Type	DIGIC DV 4
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RECORDING

Video storage media	SD / SDHC / SDXC card (2 card slots)
Recording time	64GB SD card: up to 5 hours, 5 minutes. (1920 x 1080 @28 Mbps VBR)
Recording file format	AVCHD / MP4. Dual format recording available
Recording format	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
Recording frame rate	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

Slow/Fast motion

YES in MP4 Recording Mode. Fast up to x 2.5 (59.94Hz mode/23.98P)

Interval Record

NO

Continuous Recording Mode

YES. (Requires compatible Non Linear Editing software to exploit this feature)

Pre Record (cache record)

YES (3 seconds)

Relay Recording

YES

Double Slot (simultaneous) Recording

YES. AVCHD + AVCHD / AVCHD + MP4 / MP4 + MP4

Scan Reverse

YES. Vertical or horizontal image inversion, or both.

HD->SD conversion

Yes AVCHD - MP4 conversion in Playback Mode

Internal Data Transfer

MOVIE: Yes (SD card to SD card)

Photo storage media

SD / SDHC / SDXC CARDS. Class 10 cards recommended for full function compatibility

Still quality

During video recording: 1920 x 1080 / 1280 x 720 / 640 x 360.
Dependent on Video Recording Mode selected.
Play back mode: 1920 x 1080

SYSTEM

LCD

Size

Organic LED (OLED)8.8 cm (3.5"), 100% view

Dots

1.23 million (approx.)

Image quality adjustments

Brightness, Contrast, Colour, Sharpness, Luminance, Colour Balance

Adjustable

Up / down / left / right according to camera configuration

Waveform Monitor

YES

Focus Assist

Peaking;
Magnifying (25 points selectable);
Edge Monitor (using waveform display)

Peaking

Peaking 1, Peaking 2
(Colour, Gain, Frequency customisable for each)

Zebra

Level 1; Level 2; Both
Output via HD-SDI or HDMI SELECTABLE

Markers

On / Off (Aspect ratio, Aspect marker, Safety Zone Area, Safety Zone, Grid, Horizontal, Centre)

EVF

Size

0.45 INCH (1.15CM)

Dots

1.23 million (approx.) 99.8% field of view

Image quality adjustments

Brightness, Contrast, Colour, Sharpness, Backlight, YES

Adjustable

YES

Correction lens

+ 2.0 to -5.5 diopters

INPUTS/OUTPUTS

Audio in

XLR inputs with 48V phantom power (x2) on handle,
3.5 mm microphone input jack on camera body
3.5 mm stereo jack

Headphone output

NO

Video monitor output

NO

HDMI

YES (Type A, output only)

USB

NO

IEEE 1394 (Firewire)

YES (Mini-B, USB 2.0 Hi-Speed OUTPUT Only)

HD/SD-SDI output

NO

Time code

YES (Superimposed on HDMI Output signal, SELECTABLE)

Genlock

NO

Synch

NO

Component out

NO

AV terminal

YES (output only)

DC input

YES

Remote Control Terminal

2.5mm mini jack

Wireless Control Terminal

NO

Colour Bars

EBU/SMPTE, (50.00Hz mode) SMPTE/ARIB (59.94Hz mode)

MISC

Tally lamp

YES

Accessory shoe

YES (cold shoe, 2 locations: top of body, front of handle)

Custom key

YES.
17 assignable buttons; select from APPROX. 52 functions.
Side grip joystick functions assignable to alternative buttons.

SHOOTING FUNCTIONS

EXPOSURE

Exposure Setting and metering

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)

Exposure compensation

YES. AE Shift function, +/-2, +/-1.75, +/-1.5, +/-1.25, +/-1.0, +/-0.75, +/-0.5, +/-0.25, +/-0

Auto Exposure mode*

YES. Continuous Auto Iris
(Canon lenses with 'stepping motor' (STM))

Push Auto Iris

YES (EF and EF-S lenses. Not available with EF Cinema Lenses.)

Exposure Lock

NO

Auto Gain Control setting

NO

ISO Sensitivity

1-stop display: 320, 400, 800, [850], 1600, 3200, 6400, 12800, 20000, Extended Range ON: 320, 400, 800, [850], 1600, 3200, 6400, 12800, 25600, 51200, 80000, 102400
1/3rd stop display: 320, 400, 500, 640, 800, [850], 1000, 1250, 1600, 2000, 2500, 3200, 4000, 5000, 6400, 8000, 10000, 12800, 16000, 20000, Extended Range ON: 25600, 32000, 40000, 51200, 64000, 80000, 102, 400

Gain setting

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).

SHUTTER SPEED

Control Modes

Off; Speed; Angle; Clear Scan (CS); Slow Shutter (SLS)

Shutter speed

1/3 to 1/2000 depending on frame rate and Shutter Control Mode

Shutter Angle

11.25° to 360° depending on frame rate. Shutter Angle Priority Mode

Slow Shutter (SLS)

1/3, 1/4, 1/6, 1/8, 1/12, 1/15, 1/25, 1/30 depending on frame rate and camera frequency mode

Clear Scan

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

CUSTOM PICTURE

Stored Configurations

9, including 3 presets
(CINEMA, Wide Dynamic Range (Wide DR) and EOS Std)

Storage Medium

SD / SDHC memory card (all customisation data and metadata), up to 20 Custom Pictures per card

Gamma

9 profiles

Canon Log Gamma

YES

Master Pedestal

-50 to +50

Master Black

-50 to +50 for each of R, G, B

Black Gamma

Adjustable Level, Range and Point

Low Key Saturation

-50 to +50 adjusts colour saturation in low brightness area

Knee

Adjusts over exposure characteristic, start, slope, saturation

Sharpness

Adjustment for Level, H Detail Freq., Coring, HV Detail Balance, Limit, Select, Knee Aperture and Level dependent sharpness

Noise reduction

Off, On (1 to 12)

Skin detail

Off, Low, Middle, High / Hue, Chroma, Brightness, Area, Y Level

Selective Noise Reduction

Off, Low, Middle, High / Hue, Chroma, Brightness, Area, Y Level

Colour matrix

Phase, Gain and RGB adjustment, in tandem with Gamma selection

White balance

-50 to +50 R Gain, B Gain

Colour correction

Area selection / area revision of two areas

Setup level

-50 to +50 On / Off

Clip 100% IRE

Limits output to 100% after setup adjustment

WI-FI & GPS SPECIFICATIONS

Wi-Fi

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)

GPS Information (Optional Accessory)

Latitude / Longitude / Elevation, Coordinated Universal Time (UTC)

WHITE BALANCE

Auto

YES

Preset

Daylight (5400K), Tungsten (3200K), Kelvin (2000K-15000K, 100K intervals), Set A, Set B

White Balance Shift

YES. -9 to +9 (Daylight and Tungsten only)

BLACK BALANCE

Black balance adjustment

YES

TIME CODE

Countup system

Regen, RecRun, FreeRun, Hold (Drop frame available for some frame rates), NDF only in 24P

Start value setting

"00:00:00:00", Set / Reset selectable

AUDIO

Recording

AVCHD: Linear PCM (16-bit 2ch (48 kHz) when 28 or 24 Mbps LPCM selected
Dolby Digital when 28/24/17/7 Mbps selected. 2 CHANNEL MP4; MPEG-4 AAC-LC (16 bit/48 KHz) Bit rate: 35 - 17 Mbps 256kbps, less than 4Mbps: 128kbps

Control

Independent limiters and auto / manual settings

Microphone attenuation

YES, for built in microphone (in handle unit) and 3.5 mm MIC jack

Microphone level meter

YES

ACCESSORIES

Supplied

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 Adapter CA-941, Tripod Base TB-1, Eyecup

Optional

Batteries BP-955, BP-950G/970G/975, Compact Power Adaptor CA-930 (Charge function only)/ CA-945/CA-946, Tripod Adapter TA-100, Shooting Brace SBR-1000, GPS Receiver GP-E2, Remote Controller RC-V100

BATTERY

Power Consumption

Max Approx. 10W

Continuous Recording Time

Supplied BP-955: Up to 275 minutes,
Optional BP-975: Up to 405 minutes,

MISCELLANEOUS

Dimensions

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

Detachable handle

YES

Weight (camera only)

1125 g

Weight (fully equipped)

1950 g

Operating Temperature range

-5°C to +45°C, 60% relative humidity

Disclaimers

¹ 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

² AF not available with Cinema lenses

All specifications are subject to change without notice

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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.



Sales Start Date: January 2015

Product Details:

Product Name	Mercury Code	EAN Code	Recommended Retail Price
EOS C100 Mark II	0202C003AA	4549292027846	<Please fill in RRP>

Optional Accessories:

Product Name	Mercury Code	EAN Code	Recommended Retail Price
Tripod adapter TA-100	9859A001AA	4960999247281	<Please fill in RRP>
Compact Power adapter CA-946	1764C003AA	4549292084245	<Please fill in RRP>
Tripod base TB-1	4592B001AA	4960999671536	<Please fill in RRP>
Battery Video light	1729B001AA	4960999408316	<Please fill in RRP>
Shooting brace SBR-1000	0975B001AA	4960999321875	<Please fill in RRP>
Battery pack BP-955	4587B002AA	4960999671406	<Please fill in RRP>
Battery charger CG-945	1765C003AA	4549292085600	<Please fill in RRP>
GPS Receiver GP-E2	6363B001AA	4960999848358	<Please fill in RRP>
Remote controller RC-V100	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	0202C003AA	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 adapter plate
- Shoulder strap SS-1200
- EVF cap
- Battery Charger
- Battery pack BP-955
- Compact Power Adapter
- AC Cable
- Tripod Base TB-1
- Eyecup