

EOS C100 Mark II	
Camera	
Image Sensor	
Sensor	Super35mm 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 [1920x1080/PF29.97, ISO640 (0dB), 2000 Lux, 89.9% reflection] 50Hz Mode: F10 [1920x1080/50.00i, ISO640 (0dB), 2000 Lux, 89.9% reflection]
S/N Ratio	59.94Hz Mode 54dB (Typical) [1920x1080/PF29.97, Canon Log base sensitivity ISO850 (Dynamic range 800%)] 50Hz Mode: 54dB (Typical) [1920x1080/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;
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 control ²	(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 of 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 IV
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 @28Mbps 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, 4Mbps 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. 28Mbps:50.00P. 24/17/7Mbps:50.00i/PF25 MP4: 59.94 Hz(NTSC) MODE. 35Mbps:59.94P. 29.97P/23.98P: 24/17/7/4/3 Mbps 50.00 Hz mode (PAL) MODE. 35Mbps: 50.00P. 25.00P: 24/17/7/4/3 Mbps
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,
Adjustable	YES
Correction lens	+ 2.0 to -5.5 diopters
Inputs/Outputs	
Audio in	XLR inputs with 48V phantom power (x2) on handle, 3.5mm microphone input jack on camera body
Headphone output	3.5mm stereo jack
Video monitor output	NO
HDMI	YES (Type A, output only)
IEEE 1394 (Firewire)	NO
USB	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, +/-1.5, +/-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, 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
Gain setting	NORMAL: -6dB, -3dB, 0dB, 3dB, 6dB, 9dB, 12dB, 15dB, 18dB, 21dB, 24dB, 27dB 30dB; Extended Range on: 33dB, 36dB, 39dB, 42dB (STC) FINE: 0 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
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: 150Mbps (2.4/5GHz, 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 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 3.5mm 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 Adpter CA941(outside USA), Tripod Base TB-1, Eyecup
Optional	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	
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 169mm: Body and thumb rest 188 x 189 x 219mm: Body, side grip and eyecup 188 x 280 x 334mm: Body, grip, top handle, eyecup
Detachable handle	YES
Weight (camera only)	1125g
Weight (fully equipped)	1950g
Operating Temperature range	-5°C to +45°C, 60% relative humidity

Disclaimers

¹Function 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