EOS C100 MARK II DIGITAL VIDEO CAMERA

Powerful HD Freedom

Designed to help maximize one-person operation, this professional Super 35mm Digital video camera is the first of the Cinema EOS family to be equipped with the sophisticated Canon DiG!C DV 4 image processor for advanced production features, including simultaneous AVCHD and MP4 recording on dual SD cards, Dual Pixel CMOS Auto Focus and Face Auto Focus, slow and fast motion recording, 1920 x 1080/60p AVCHD and MP4 capture, wireless FTP video transfer, and much more. The EOS C100 Mark II Digital video camera delivers high ISO low-light performance and a wide dynamic range. Compatible with all Canon EF, EF-S and CN-E series lenses, the EOS C100 Mark II Digital video camera has a compact, lightweight body, a 3.5-inch 270-degree rotating OLED display panel, and a tiltable colour EVF with large-size eyecup for operator comfort and convenience. Also equipped with built-in ND filters, a removable rotating pistol grip, removable top handle with twin XLR inputs, built-in stereo mic, and audio controls, the Canon EOS C100 Mark II Digital video camera supports an extensive range of workflows and includes a built-in Canon Log LUT for accurate live monitoring in Wide DR or BT.709 colour space.

Key Features

- ▶ Advanced Image Processing
- ▶ Full 1920 x 1080/60p Recording
- ▶ High-Sensitivity from ISO 320 to 102400
- ▶ Simultaneous AVCHD and MP4 Recording
- ▶ Uncompressed YCbCr 4:2:2 Output from HDMI
- ▶ Dual Pixel CMOS Auto Focus and Face AF
- ▶ Slow and Fast Motion MP4 Recording
- ▶ Redesigned 3.5-Inch Folding OLED Display
- ▶ 1.23 Megapixel Tilting Colour EVF

- ▶ 2.4GHz/5GHz dual band wireless capability for Wireless Remote, Browser Preview and FTP File Transferring
- ▶ HDMI Out with Time Code
- ▶ Built-In Canon Log LUT
- ▶ Voice Memo Microphone
- ▶ Dual Recording and Relay Recording
- ▶ Use with Optional Canon RC-V100 Remote Controller
- ▶ Use with Optional Canon GPS Receiver GP-E2

Recommended For:

- ▶ Episodic TV and Commercials
- ▶ TV News Features / Interviews
- ▶ Filmmakers
- ▶ Documentaries
- ▶ Broadcast Promos
- ▶ Wedding / Event Photography
- ▶ Film Schools and Universities
- ▶ High-Quality Web Content

EOS C100 Mark II

Canon

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PRODUCT NAME: EOS C100 MARK II   ITEM CODE: 0202C002AA   UPC CODE: 013803251807

SPECIFICATIONS

IMAGE SENSOR	EFFECTIVE PIXELS	3840 x 2160 pixels; Approx. 8.29 megapixels
	TOTAL PIXELS	4206 x 2340 pixels; Approx. 9.84 megapixels
	SENSOR TYPE	CMOS (single-panel)
	SENSOR SIZE	Super 35; 24.6 x 13.8 mm (28.2 mm diagonal); 6.4 μm cell pitch
	SCANNING SYSTEM	Progressive
	NUMBER OF SENSORS	1
	FILTER	RGB Primary Colour Filter (Bayer Array)
	IMAGING PROCESSOR	DiG!C DV 4
LENS SYSTEM	INTERCHANGEABLE LENS SYSTEM	EF-mount for compatibility with EF, EF-S and EF Cinema lens systems
	ND FILTER	Mechanical ND filter system with option of 2, 4, and 6 stops
	IRIS	Manual setting in 1/2-step increments, 1/3-step increments or fine Push auto iris control
	PERIPHERAL ILLUMINATION CORRECTION	Available
EXPOSURE AND METERING	EXPOSURE MODES	Manual; Push Auto Iris/Auto Iris Control (metering system selection/AE shift possible)
	METERING MODES	Available (Standard Center Weighted, Spotlight, Backlight)
	GAIN	Normal Setting -6 dB to 44 dB / Fine Setting -6 dB to 24 dB in 0.5 dB increments
	ISO	320 to 102,400 in 1/3 or 1-step increments
	EXPOSURE COMPENSATION/ AE SHIFT	Available
	SHUTTER MODES	5 Modes: Speed; Angle; Clear Scan; Slow; OFF. Speed setting can be set in 1/3 or 1/4-step increments.
	SHUTTER SPEED RANGE	59.94i: 1/60 to 1/2000 in 1/4 or 1/3 stops; SLS: 1/4, 1/8, 1/15, 1/30; CS: 59.94 Hz – 250.51 Hz
		PF29.97: 1/30 to 1/2000 in 1/4 or 1/3 stops; SLS: 1/4, 1/8, 1/15; CS: 29.97 Hz - 250.51 Hz
		23.98p/PF24: 1/24 to 1/2000 in 1/4 or 1/3 stops; SLS: 1/3, 1/6, 1/12; CS: 23.98 Hz – 250.51 Hz
		50i: 1/50 to 1/2000 in 1/4 or 1/3 stops; SLS: 1/3, 1/6, 1/12, 1/25; CS: 50.00 Hz – 250.51 Hz
		PF25: 1/25 to 1/2000 in 1/4 or 1/3 stops; SLS: 1/3, 1/6, 1/12; CS: 25.00 Hz – 250.51 Hz
	SHUTTER ANGLE SETTINGS	59.94i: 360, 240, 216, 180, 120, 90, 60, 45, 30, 22.5, 15, 11.25
		PF29.97: 360, 240, 216, 180, 120, 108, 90, 60, 45, 30, 22.5, 15, 11.25
		23.98p/PF24: 360, 345.6, 288, 240, 180, 172.8, 144, 120, 90, 86.4, 72, 60, 45, 30, 22.5, 15, 11.25
		50i: 360, 300, 240, 180, 150, 120, 90, 60, 45, 30, 22.50, 15, 11.25
		PF25: 360, 300, 240, 180, 150, 120, 90, 75, 60, 45, 30, 22.50, 15, 11.25
	IRIS (APERTURE) RANGE	Lens Dependent
FOCUS	FOCUS SETTINGS	Manual/ One-Shot AF/ Continous AF/ Face AF*
	AUTOFOCUS SYSTEM	Dual Pixel CMOS AF / TTL-Video Signal Sensing System
	AF METERING AREA	Fixed at center of screen
	AF MODES	One-Shot AF/ Continuous AF/ Face AF*
MOVIE FORMAT	AVCHD — VIDEO COMPRESSION FORMATS	MPEG-4 AVC/H.264
	AVCHD — BIT RATE	28 Mbps/24 Mbps/17 Mbps/7 Mbps
	AVCHD — FRAME RATE	59.94 Hz Mode: 59.94P (28 Mbps recording); 59.94i/PF29.97/23.98P (24, 17, or 7 Mbps recording) 50.00 Hz Mode: 50.00P (28 Mbps recording); 50.00i/PF25.00 (24, 17, or 7 Mbps recording)
	AVCHD — AUDIO	Linear PCM (16 bits/48 kHz/2 channels) (when 28 and 24 Mbps LPCM is selected) Dolby Digital 2ch (when 28, 24, 17, or 7 Mbps is selected)
	MP4 — VIDEO COMPRESSION FORMATS	MPEG-4 AVC/H.264
	MP4 — BIT RATE	35 Mbps/24 Mbps/17 Mbps/4 Mbps/3 Mbps
	MP4 — FRAME RATE	59.94 Hz Mode: 59.94P (35 Mbps recording); 29.97P/23.98P (24, 17, 4 or 3 Mbps recording) 50.00 Hz Mode: 50.00P (35 Mbps recording); 25.00P (24, 17, 4 or 3 Mbps recording)
	MP4 — AUDIO	MPEG-4 AAC-LC (16 bit/48kHz/2 channels) Bit rates: 35-17 Mbps: 256 kbps/less than 4 Mbps: 128 kbps
POWER	POWER TERMINAL	Battery Pack: 7.4V / DC in: 8.4V
	BATTERY	BP-955
OTHER	TEMPERATURE AND HUMIDITY	Performance requirements: 0ºC to 40ºC, 85% (relative humidity) Operating requirements: -5ºC to 45ºC, 60% (relative humidity)
	LANGUAGE SUPPORT	German, English, Spanish, French, Italian, Polish, Portuguese, Russian, simplified Chinese, Korean characters and Japanese
	BODY DIMENSIONS (W x H x D)	Approx. 5.8 x 6.9 x 6.7 in. (147 x 174 x 169 mm) (with thumb rest)
	WEIGHT (BODY ONLY)	Approx. 2.5 lbs. (1125g)

*Currently limited to 4 STM lenses only; refer to the Technical Description.

SIMULTANEOUS AVCHD AND MP4 RECORDING

THE EOS C100 Mark II Digital video camera enables users to record in both the AVCHD or MP4 recording formats in a variety of bit rates (up to 28 Mbps and 35 Mbps, respectively), resolutions, and frame rates (including the smooth look of 60p) to suit practically any production need. Both formats have their own particular advantages. AVCHD is a professional standard that enables long-term recording of full HD using very low volumes of data. MP4 has advantages for Web and smartphone sharing. Both formats are used by many nonlinear editing applications. The EOS C100 Mark II's dual SD card slots can record in either or both formats simultaneously* and can convert AVCHD and MP4 files into smaller MP4 files for web upload**.

REDESIGNED 3.5-INCH OLED PANEL

OLED (Organic Light-Emitting Diode) is a newer display technology that provides vivid colours, high contrast, and dramatically improved responsiveness compared to traditional LCD screens. The 3.5-inch 1.23 megapixel OLED display on the EOS C100 Mark II delivers virtually 100 percent field of view coverage, wide and faithful colour range support, and improved viewing even in bright sunshine. The EOS C100 Mark II OLED screen has a new hinge design to help maximize monitoring versatility. The design allows the panel to fold shut when stowed and protect the OLED surface. It can open 180 degrees to reveal function keys and a joystick, or open further to 270 degrees to deploy against the side of the camera and provide monitoring for directors, producers, or other production personnel.

CANON RC-V100 REMOTE CONTROLLER (OPTIONAL)

An optional Canon RC-V100 Multi-Function Remote Controller can be connected to the camera via its remote control cable to adjust image quality and other settings from a distance. This can also be a handy feature when shooting from a crane, jib arm, or mounted remotely in some other inaccessible location.

*This function records the images on the card in the sub slot as well, while images are concurrently being recorded on the card in the main slot. Users have the following selection options for the format with which to record the images on the card in the sub slot.
   (a) Slot recording using the same movie format (AVCHD/MP4)
   (b) Different MP4 (4 Mbps or 3 Mbps) recording in sub slot from main slot However, 28 Mbps (AVCHD) and MP4 (4Mbps or 3Mbps) as well as 35Mbps (MP4) and MP4 (4Mbps or 3Mbps) double-slot recording is not possible. Use of double-slot recording together with slow & fast motion recording or relay recording is not possible, and if such an attempt is made, double slot recording takes priority.

** Footage shot in the 28 Mbps mode for AVCHD and 35 Mbps mode for MP4 cannot be converted.

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