EOS C80

TECHNICAL SPECIFICATIONS

Canon

EOS C80

Full Frame Cinema Camera

RF LENSES FOR GREATER POSSIBILITIES

RF lenses enable richly expressive, high-quality imaging. The high-speed communication capabilities of the RF mount makes operation intuitive and stress-free. Co-ordinated control of camera and lens IS via RF mount communication achieves powerful image stabilisation.

6K FULL FRAME CMOS SENSOR

The 6K full-frame back-illuminated stacked CMOS sensor and DIGIC DV7 processor deliver breathtakingly beautiful visuals with support for enhanced 4K image quality with 6K oversampling and wide 16 stop tonality. Full-frame readout is supported along with Super 35mm modes.

ADVANCED MOBILITY AND OPERABILITY

The EOS C80 is equipped with a large array of interfaces to simplify filmmaking whilst maintaining mobility thanks to a compact and lightweight housing which is perfect for gimbals and handheld shooting.

DUAL PIXEL CMOS AF II WITH SUBJECT DETECTION

Dual Pixel CMOS AF II offers advanced high-speed, high-precision AF. Algorithms which utilise deep learning enable high-performance subject detection which provides high-speed AF that captures the subject instantly.

LINEUP OF MOUNT ADAPTERS FOR COMPATIBILITY

Users can fully utilise their existing EF lenses by attaching an EF-EOS R adapter. PL lenses can also be attached using a new PL-RF mount adapter.

EOS C80 | FEATURES

DIGIC DV 7 PROCESSOR

Powerful high performance video processing from a dedicated DIGIC DV 7 engine that drives a host of advanced features

COMPACT LIGHTWEIGHT DESIGN

Reduces operator fatigue during long hours of shooting. The EOS C80's compact shape makes it easy to use with gimbals, drones, and rigs.

CANON LOG 2 & CANON LOG 3

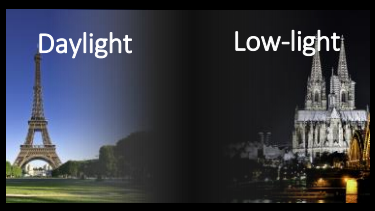
Canon Log 2 & Canon Log 3 are included to ensure a wide dynamic range. Canon Log 2 enables shooting with dynamic range of up to 16 stops

4K 120p RECORDING

Supports up to 2K 180P and 4K 120P* recording. This lets users capture scenes with fast movement, such as sports and concerts.

FOUR BASE ISO MODES

Manually choose from three base ISO levels from low to high depending on the scene. The camera also features Auto Selection, which automatically switches from one of the three base ISO levels to another level with a higher S/N ratio while maintaining dynamic range.



VIRTUAL PRODUCTION SUPPORT

Plug and Play allows data to be synced with a single cable and no prior calibration required. Lens distortion data is delivered along with other lens operations obtain more natural CG composited images that match and coordinate the real camerawork and the virtual space.

SIMULTANEOUS RECORDING

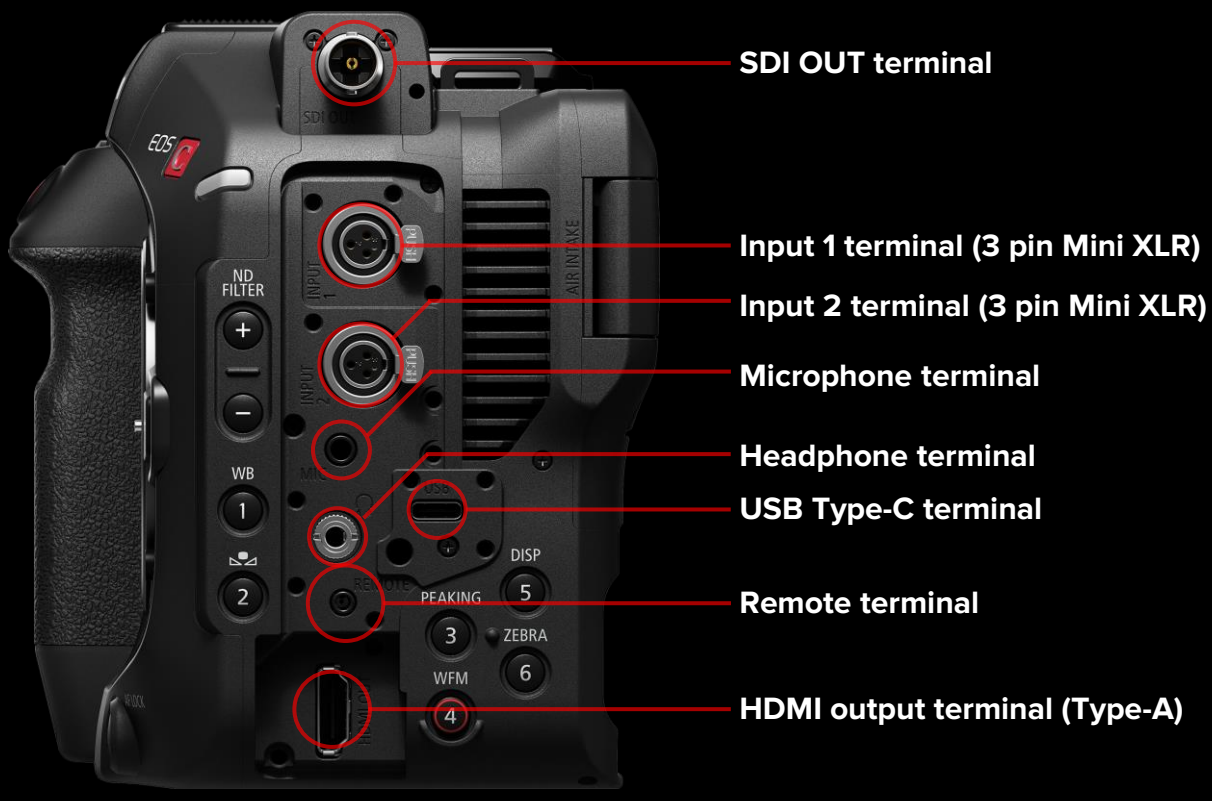
Dual SD cards slots enable simultaneous recording of XF-AVC, XF-HEVC S, XF-AVC S and proxy data recording to one card while recording 6K RAW internally to the other card for faster video editing.**

* When 4K 120P is selected in Super 35mm mode, the angle of view is cropped at approx. 6%.

** During slow motion recording, simultaneous recording may not be possible depending on the shooting frame rate.

Canon

EOS C80 | INTERFACES



WHY CANON CINEMA CAMERAS?

SIGNATURE COLOUR SCIENCE

Our colour science is designed to deliver clarity, depth and precision in every frame as well as vibrant true-to-life hues. Uncompromising image quality is at the heart of every Canon cinema camera.

TRUE VERSATILITY

Our C500 Mark II and C300 Mark III have been built with a modular design, making it adaptable for diverse shooting environments. Transition with ease and speed between handheld and studio set-ups. The compact yet powerful EOS R5 C and C70 redefine on-the-go filmmaking, packing high-performance specs into a portable design that is ideal for run-and-gun filmmaking.

CRAFTED FOR RELIABILITY

From intense shoots to challenging conditions, our cameras are built to perform, ensuring you never miss moment.

CPS. Canon Professional Services

When you purchase a cinema EOS camera or lens, you're unlocking a network of support with Canon Professional Services (CPS). This paid membership is dedicated to the professional community of photographers and cinematographers. It provides comprehensive assistance from a top-tier professional team, including technical help and repairs as well as the latest industry updates.
Find all your service needs in one convenient place.

Canon

EOS C80 | SPECIFICATIONS

EOS C80			
System	**Lens mount**		RF mount
	Sensor		35mm full-frame CMOS sensor
	Number of pixels		Total pixels: approx. 26.7 megapixels Effective pixels: up to approx. 19 megapixels
	ISO sensitivity		160-25600 (Extended: 100-102400)
	BASE ISO		800 / 3200 / 12800 / Auto-change (Ex.: Canon Log 2, Canon Log 3, RAW recording)
	Sensor mode		Full-frame, Super 35mm Crop
	ND filter		Mechanical ND filter (2 / 4 / 6 / 8* / 10 stops*) *With extender
	Gamma		Canon Log 2, Canon Log 3, Canon 709, BT.709 Wide DR, BT.709 Standard, PQ, HLG
	Frame rate		6K 29.97P/30.00P (RAW) 4.3K 59.94P/50.00P(RAW) 4K 59.94P/50.00P (RAW/XF-AVC/XF-HEVC S/XF-AVC S) 2K 59.94P/50.00P (RAW/XF-AVC/XF-HEVC S/XF-AVC S)
	Color space		Cinema Gamut, BT.2020 Gamut, BT.709 Gamut
	White balance		Auto, sunlight, tungsten, color temperature (2000K to 15000K), settings A/B
	Dynamic range		16 stops
	AF		Dual Pixel CMOS AF II
	Recording Format	**Movies**	Cinema RAW Light XF-AVC XF-HEVC S XF-AVC S
		Photos	JPEG
	Maximum frame rate* (slow & fast, etc.)		Full-frame 6000x3164/30P Super35mm Crop 4368x2304/100P, 4096x2160/120P
	Recording format (audio)		Linear PCM 24-bit/48kHz/4ch AAC 16-bit/48kHz/2ch (XF-HEVC S / XF-AVC S)
	Recording media		SD card x2
	LCD monitor		3.5-inch LCD 2.76 million dots, touch panel
	Viewfinder		No
	Multi-function shoe (21 pin)		Yes (with electrical contacts)
	Wi-Fi		Internal

EOS C80 | SPECIFICATIONS

EOS C80 (continued)		
Input/Output Terminals	**LENS**	No
	SDI OUT	Yes (BNC terminal x1, 12G/6G/3G/HD-SDI)
	MON.	No
	HDMI	Type-A
	INPUT	Mini-XLR x2 (AES/EBU not supported)
	Ethernet	Yes
	USB	Yes (USB Type-C) [HOST not supported/no power supply]
	VIDEO	No
	GRIP	No
	MIC	Φ3.5mm stereo mini jack
	Headphone	Yes (stereo)
	REMOTE A (φ2.5mm)	Yes (REMOTE terminal)
	REMOTE B (RS-422)	No
	TC (TIME CODE)	Yes (BNC terminal) [doubles as input/output]
	G-LOCK	No
	SYNC	No
	RET	No
	DC-IN 12V	Yes (round pin jack x1)
Power / Other	**Battery**	BP-A30N, BP-A60N, BP-A30, BP-A60
	Operating temperature	Guaranteed performance conditions: Approx. 0 ℃ to 40 ℃ 85% (relative humidity) Guaranteed operating conditions: Approx. -5 ℃ to 45 ℃ 60%(relative humidity)
	Dimensions (W x H x D)	Approx. 160 x 137.4 x 116mm
	Main body weight	Approx. 1300 g

EOS C80 | SPECIFICATIONS

Recording Formats

Format	Codec	Intra-frame/ Long GOP	Sampling	Resolution	Max. Bit rate	Slow & Fast Max. frame rate
Cinema RAW Light	-	-	12bit	6000x3164	639Mbps (29.97P LT) 576Mbps (25.00P LT)	30P
				4368x2304	678Mbps (59.94P LT) 611Mbps (50.00P LT)	60P
XF-AVC	H.264/ AVC	Intra-frame	422 10bit	4096 x 2160 3840 x 2160	600Mbps (59.94P) 500Mbps (50.00P)	60P
				2048 x 1080 1920 x 1080	300Mbps (59.94P) 250Mbps (50.00P)	120P
				1920 x 1080	150Mbps (59.94i) 125Mbps (50.00i)	-
		Long GOP	422 10bit	4096 x 2160 3840 x 2160	250Mbps (59.94P/50.00P) 150Mbps (29.97P/25.00P/24.00P/23.98P)	120P
				2048 x 1080 1920 x 1080	50Mbps (59.94P/50.00P/29.97P/25.00P/24.00P/23.98P)	180P
				1920 x 1080	50Mbps (59.94i/50.00i)	-
			420 8bit (Proxy)	2048 x 1080	35Mbps (59.94P/50.00P/29.97P/25.00P/24.00P/23.98P)	60P
				1920 x 1080	35Mbps (59.94P/50.00P/29.97P/25.00P/24.00P/23.98P/59.94i/50.00i)	-
XF-HEVC S	H.265/ HEVC	Long GOP	422 10bit	4096 x 2160 3840 x 2160	225Mbps (59.94P/50.00P) 135Mbps (29.97P/25.00P/24.00P/23.98P)	120P
				2048 x 1080 1920 x 1080	50Mbps (59.94P/50.00P/29.97P/25.00P/24.00P/23.98P)	180P
			420 10bit	4096 x 2160 3840 x 2160	150Mbps (59.94P/50.00P) 100Mbps (29.97P/25.00P/24.00P/23.98P)	120P
				2048 x 1080 1920 x 1080	35Mbps (59.94P/50.00P/29.97P/25.00P/24.00P/23.98P)	180P
			420 10bit (Proxy)	2048 x 1080	16Mbps/9Mbps (59.94P/50.00P/29.97P/25.00P/24.00P/23.98P)	60P
				1920 x 1080	16Mbps/9Mbps (59.94P/50.00P/29.97P/25.00P/24.00P/23.98P)	-
			420 8bit (Proxy)	1280 x 720	6Mbps (59.94P/50.00P/29.97P/25.00P/24.00P/23.98P)	-

Canon

EOS C80 | SPECIFICATIONS

Recording Formats

Format	Codec	Intra-frame/ Long GOP	Sampling	Resolution	Max. Bit rate	Slow & Fast Motion Max. frame rate
XF-AVC S	H.264/ AVC	Intra-frame	422 10bit	4096 x 2160 3840 x 2160	600Mbps (59.94P) 500Mbps (50.00P)	60P
				2048 x 1080 1920 x 1080	300Mbps (59.94P) 250Mbps (50.00P)	120P
		Long GOP	422 10bit	4096 x 2160 3840 x 2160	250Mpbs (59.94P/50.00P) 150Mbps (29.97P/25.00P/24.00P/23.98P)	120P
				2048 x 1080 1920 x 1080	50Mbps (59.94P/50.00P/29.97P/25.00P/24.00P/23.98P)	180P
			420 8bit	4096 x 2160 3840 x 2160	150Mpbs (59.94P/50.00P) 100Mbps (29.97P/25.00P/24.00P/23.98P)	120P
				2048 x 1080 1920 x 1080	35Mbps (59.94P/50.00P/29.97P/25.00P/24.00P/23.98P)	180P
			420 8bit (Proxy)	2048 x 1080	16Mbps/9Mbps (59.94P/50.00P/29.97P/25.00P/24.00P/23.98P)	60P
				1920 x 1080	16Mbps/9Mbps (59.94P/50.00P/29.97P/25.00P/24.00P/23.98P)	-
				1280 x 720	6Mbps (59.94P/50.00P/29.97P/25.00P/24.00P/23.98P)	-

Note: When frame rate exceeds 100P in Super 35mm mode, the angle of view is cropped at approx. 6%.

Canon

Canon

www.canon.com.au
www.canon.co.nz