

EOS C70

TECHNICAL SPECIFICATIONS



Canon



CINEMA EOS
SYSTEM

EOS C70

Professional Cinema - Powerfully compact



Professional 4K Cinema EOS has now been captured in the smallest Cinema EOS body – and the first to feature an RF Mount.

Compact yet uncompromised in video performance, the EOS C70 is the light, portable answer to capturing candid handheld footage – and is ideal for drones or gimbals.

The EOS C70 combines the exceptional image quality and professional video features from Canon's iconic Cinema EOS system with the compact form factor of the EOS R system.

The EOS C70 redefines what you thought possible in versatility with intuitive professional interfaces – putting everything you need at your fingertips.

CINEMA NOW WITHIN REACH

Compact and lightweight, the EOS C70 is ideal for documentaries, news gathering and various sized productions - even capturing social media content with a vertical shooting option.

Provides the high-quality 4K image output professionals expect from Canon Cinema EOS in a compact form factor, ideal for single operators.

Dual Pixel CMOS AF together with a 120p high frame rate keeps the camera focused in various environments to push creative limits.

Achieve professional Canon colour with rich graduation via the 4K Super 35mm CMOS Dual Gain Output (DGO) – even in environments with various levels of brightness.



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CAPTURE CONTRAST

You'll be amazed at the rich contrast and gradation – even in areas of significantly variable light. The Dual Gain Output (DGO) sensor captures the finest detail – even in shadows.



DGO
Dual Gain Output

SHOOT AND STORE

The EOS C70 has two SD Card Slots for simultaneous recording so you can backup your footage in different formats or resolutions.



VERSATILE

Discover exceptional quality in a new generation of optical technology with Canon's RF lenses. The 12-pin RF mount and shorter flange distance expands the quantity and speed of communication between the lens and camera, bringing an enhanced level of autofocus, image stabilisation and customisable control.

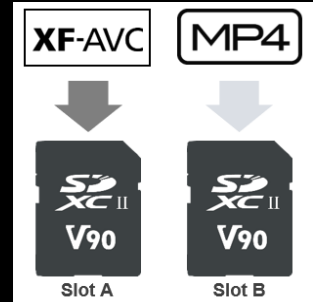


Canon

REDEFINE WHAT YOU THOUGHT POSSIBLE



EOS C70



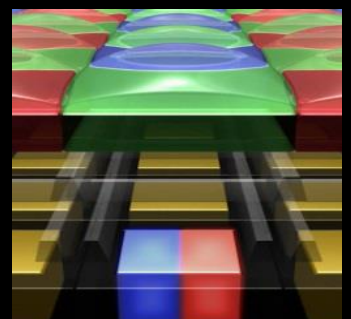
The EOS C70 features a DGO (Dual Gain Output) sensor offering broad-ranging tonality 16+ stops.

The newly developed DIGIC DV7 image processor boasting high data processing power while suppressing noise has been adopted.

Support for two file formats, enables flexible recording including simultaneous recording of different formats and resolutions, and relay recording for long-time shots.

Dual SD Cards

120fps 4K
180fps 2K(Crop)



The EOS C70 features two versatile SD card slots supporting UHS-II cards enabling high bit rate recording and a variety of simultaneous recording options.

4K 120fps available when recording in 10 bit 4:2:2 in both in XF-AVC or MP4. 180fps is also available in 2K crop mode.

The EOS C70 is equipped with a CMOS sensor designed to manage both high dynamic range and Dual Pixel CMOS AF simultaneously.

REDEFINE WHAT YOU THOUGHT POSSIBLE

Compact, Lightweight Body Improves Mobility



Small form factor provides shooting flexibility via the basic handheld shooting style of the CINEMA EOS series combined with the compactness and mobility of the EOS R series.

The Smallest Body in CINEMA EOS Range



The short flange back dramatically reduces body depth, resulting in a more compact design.

REDEFINE WHAT YOU THOUGHT POSSIBLE

High Frame Rate Support



The 4K 120P High Frame Rate recording is possible with Dual Pixel CMOS AF and audio recording.

Enhanced Image Stabilization



With an RF lens and electronic IS, coordinated control achieves the optimum hand-shake correction.

Simultaneous Recording in Different Formats

File format	Resolution	UHD 59.94P + FHD 59.94i	Proxy recording	ALL-I/L-GOP
XF-AVC MP4	4K 2K	3840 × 2160 59.94P 1920 × 1080 59.94i	XF-AVC 422 10 bit XF-AVC proxy 420 8 bit	XF-AVC ALL-I XF-AVC L-GOP
↓ ↓	↓ ↓	↓ ↓	↓ ↓	↓ ↓
SF V90 SF V90	SF V90 SF V90	SF V90 SF V90	SF V90 SF V90	SF V90 SF V90
Slot A Slot B	Slot A Slot B	Slot A Slot B	Slot A Slot B	Slot A Slot B

Simultaneous recording options in a variety of file formats, resolutions, and colour sampling can be assigned according to workflow requirements.

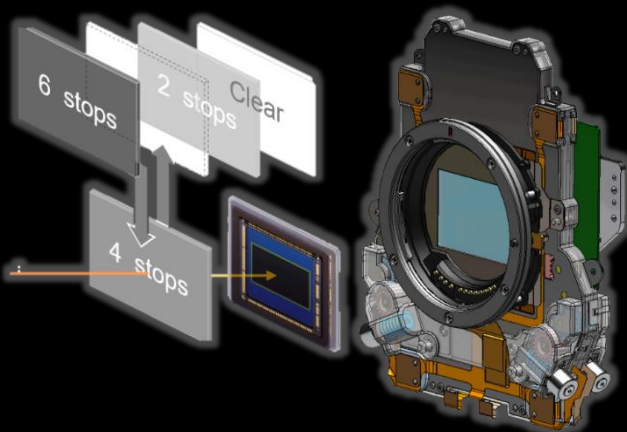
REDEFINE WHAT YOU THOUGHT POSSIBLE

Professional Interfaces on a Compact Body



Versatile connectivity including two mini XLR terminals, microphone terminal, headphone terminal, Timecode terminal and full size HDMI supporting 4K 10-bit output.

ND unit supports RF mount



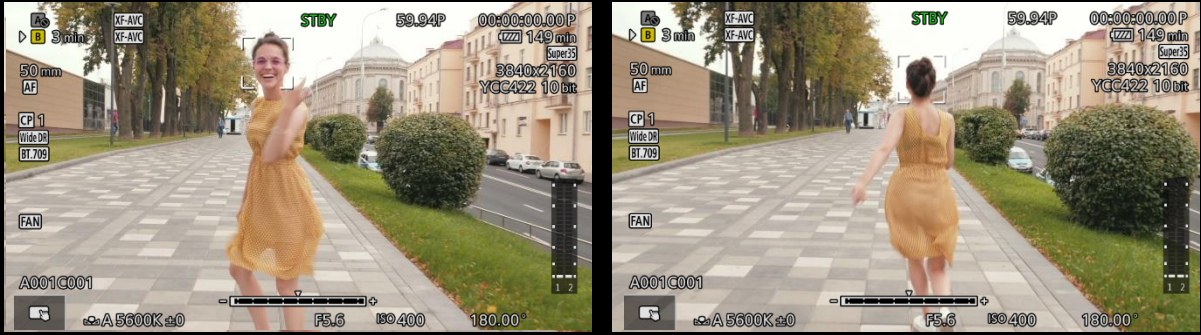
The motorised ND unit offers adjustment up to 10 stops (with extension), allowing the user to shoot in variable lighting conditions.

Cinema EOS Colour Science



Custom Picture options support a variety of production requirements. In addition users can customise presets including gamma, colour space, and colour matrix.

EOS iTR AF X Offers Improved Subject Detection and Tracking



EOS iTR AF X works with conventional face detection to provide faster processing with an advanced head detection algorithm and dramatically improve distance measuring and tracking reliability. Focus Touch Control allows you to precisely set the camera's specific focus area by simply touching the LCD.

EF-EOS R 0.71x Mount Adapter (Optional Accessory)

MOUNT ADAPTER
EF-EOS R 0.71x



The EF-EOS R 0.71x Mount Adapter is an EF-to-RF mount adapter that can be used in combination with EF lenses. It employs optical conversion to capture the same full-frame angle of view with the Super 35mm sensor. Depth of field stays the same, and the f-number is one stop brighter.



Shoot in an angle of view equivalent to full frame. The 0.71x wide optical system enables shooting with an angle of view equal to full frame when attached to the EOS C70 Super 35mm sensor camera.



The EF-EOS R 0.71x also enables the user to shoot 1 stop brighter than that of the attached EF lens's F-number.

EOS C70 | SPECIFICATIONS

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Camera	Lens Mount	RF Mount (EF Mount Adapter)
	Imaging Device	Super 35mm equivalent CMOS sensor (single chip)
	Effective Pixels	4096 x 2160 (approx. 8.85 million pixels)
	ISO Sensitivity	160-25600 (100-102400 with extension)
	Base ISO	400 (Wide DR) 800 (Canon Log2 / Canon Log3)
	ND Filter	Motorised variable ND filter (2/4/6/8*/10* stop)
	White Balance	AWB / sunlight / light bulb Set (A/B) / Kelvin setting (2000-15000K)
	Gamma	Canon Log2 / Canon Log3 PQ / HLG BT.709 Wide DR
	Dynamic Range	16+ stops
	AF	Dual Pixel CMOS AF
	IS	Electronic IS, Super 16 IS
	Recording Format (Video)	XF-AVC Intra XF-AVC Long GOP MP4 (HEVC/H.264)
	Recording Frame rate	XF-AVC Intra 4K/29.97p/25p XF-AVC Intra 2K/59.94p/50p XF-AVC Long GOP 4K/59.94p/50p XF-AVC HFR Long GOP 4K/119.88p/120p XF-AVC HFR Long GOP 2K Crop/179.82p/180p MP4 H.265 Long GOP 4K/59.94p/50p MP4 H.265 Long GOP 2K/59.94p/50p MP4 HFR H.265 Long GOP 4K/119.88p/120p MP4 HFR H.265 Long GOP 2K/179.82p/180p MP4 H.264 Long GOP 4K/59.94p/50p MP4 HFR H.264 Long GOP 4K/119.88p/120p MP4 HFR H.264 Long GOP 2K/179.82p/180p
	Recording Format (Audio)	Linear PCM 24bit 48kHz 4ch (XF-AVC) MPEG-2 Aac LC 16bit 48kHz 2ch (MP4)
	Recording Media	SD x2
	LCD screen	3.5 inch LCD 2.76 million dots (1280 x 720 x RGB), touch panel
	Viewfinder	None

EOS C70 | SPECIFICATIONS (CONTINUED)

EOS C70

Input/ Output	Wi-Fi	None (supported via commercially available adapter)
	SDI OUT	None
	HDMI OUT	Type-A
	Audio Input	Mini XLR 3Pin x2 φ3.5mm stereo mini jack x1
	Headphone Output	φ3.5mm stereo mini jack x1
	Time Code	BNC terminal (for in/out)
	Remote Control	REMOTE A (φ2.5mm stereo mini jack)
	Lens I/F	none (supported via commercially available adapter)
	Ethernet	Type-C
	DC IN	φ3.4mm jack x1
General	Dimensions (W x H x D)	Approx. 6.3 x 5.1 x 4.6 in. / 160 x 130 x 116 mm
	Mass (Body only)	Approx. 2.6 lbs. / 1170g
	Power Requirements	Battery terminal (DC 14.4V) DC IN terminal : DC 24V
	Operating Temperature	Approx. 0 °C to 40 °C 85% (relative humidity)
		Approx. -5 °C to 45 °C 60% (relative humidity)



* main body included accessories

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