

Canon

Delighting You Always

EOS C700 FF EOS C700 FF PL



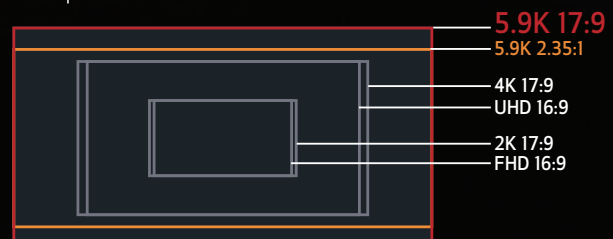
OUR FULL-FRAME CINEMA EOS CAMERA

Canon's new EOS C700 FF top-end digital cinema camera features a full-frame CMOS sensor designed to meet an extensive range of production needs. The camera's full-frame sensor provides higher resolution and produces footage with shallower depth of field than Canon cameras with Super 35mm sized sensors, giving filmmakers a variety of creative options. Capable of 5.9K RAW recording up to 50/60 frames per second with the optional Codex CDX-36150 Recorder, the EOS C700 FF can also record ProRes and XF-AVC up to 4K to internal CFast™ cards. When oversampling 5.9K in 4K/UHD recording, moiré is suppressed and noise graininess improved, resulting in higher quality video compared to native 4K image capture. Both EF and PL mount models are available, with the EF mount option including Canon's Dual Pixel CMOS AF technology for precision focusing that can be crucial when recording in high resolution.

- 5.9K Full-frame CMOS Sensor
- Anamorphic Lens Support
- Refined Ergonomics and Design
- RAW Recording
- Canon XF-AVC and ProRes Internal Recording
- Internal CFast™ and SD Card Recording
- Canon Log 2 and 3
- 5.9K Oversampling for 4K
- SMPTE ITU-R BT.2100 Support for PQ/HLG Standard
- User LUT Support
- ACES Support
- Dual Pixel CMOS AF (EF-mount camera only)
- Triple DIGIC DV 5 Image Processors

5.9K Full-frame Sensor

The EOS C700 FF features a new full-frame 5.9K CMOS sensor (38.1 x 20.1mm) that can capture footage in a variety of aspect ratios including the standardized DCI 17:9, while delivering exceptionally low noise, broad-ranging tonality that exceeds 15 stops of dynamic range and a wide color gamut for outstanding performance in HDR video production.



CINEMA EOS

SPECIFICATIONS

		EOS C700 FF	EOS C700 FF PL
Image Sensing Device	Total Pixels	Approx. 20.8 megapixels (6062x3432)	
	Number of Effective Pixels	Approx. 18.69 megapixels (5952x3140): When 4096x2160 or 2048x1080 is selected as the resolution, Approx. 17.52 megapixels (5580x3140): When 3840x2160 or 1920x1080 is selected as the resolution, RAW Recording Pixels 5952x3140	
	Sensor	CMOS Sensor with DAF Technology	CMOS Sensor
Lens Mount		EF mount (cinema lock type)	PL mount
Exposure	Exposure Mode	(1) Manual exposure based on shutter setting, iris setting, ISO/gain setting and ND filter setting (2) Push auto iris control, auto iris control (Light metering system selection/AE shift possible)	
	Shutter Setting	Speed, Angle, Clear Scan, Slow or Off mode selected. Either 1/3 or 1/4 steps selected as speed increment.	
	Iris Setting	Can be set to 1/2-stop, 1/3-stop or Fine Lenses that support Auto Iris: (1) Push auto iris control (2) Auto iris control	
	ISO	1 step, 1/3 step settings: 100** - 160 - 25600 - 102400**	
	ND Filter	5 density settings (2, 4, 6, 8°, 10° stops)	
Focus Control/Assist ^{◇◇}		Dual Pixel CMOS AF supported, Manual Focus, One-Shot AF, Continuous AF, AF-Boosted MF, Face Detection AF. Only lenses that support AF functions can be used in any of these modes.	Manual Focus
Control Display		7.62 cm (7.66 cm on the diagonal) color liquid crystal. Approx. 1.036 million dots	
Viewfinder		FHD 1920x1080 1.778 cm, Optional OLED Electronic Viewfinder (EVF-V70) sold separately	
White Balance		Kelvin setting (setting range: 2000K to 15000K/-20CC to +20CC), AWB, daylight, tungsten, settings (A/B)	
System Frequency Selection	Frame Rate	50.00 Hz, 59.94 Hz, 24.00 Hz, 50.00 Hz mode: 50P/50I/25P, 59.94 Hz mode: 59.94P/59.94I/29.97P, 24.00 Hz mode: 24.00P	
Recording Media	CFast™ Card (2 slots)	Movies (XF-AVC/ProRes), custom pictures, metadata recording	
	SD Card	Movies (XF-AVC (proxy)), photos (JPEG), custom pictures, metadata, menus and other data	
	Codex Capture Drive	Movies (ProRes/RAW)	
Compression Formats	Video	(1) XF-AVC/MPEG-4 AVC/H.264, (2) ProRes/Apple ProRes Codec, (3) RAW	
	Audio	Linear PCM (24 bit - 48 kHz), 4-channel Recording	
XF-AVC	Resolution/Sampling	4096x2160 YCC422 10 bit/3840x2160 YCC422 10 bit, 2048x1080 YCC422 10 bit/1920x1080 YCC422 10 bit, 2048x1080 RGB444 12 bit/1920x1080 RGB444 12 bit, 2048x1080 RGB444 10 bit/1920x1080 RGB444 10 bit	
	Bit Rate	810/440/410/310/225/210/170/160/90 Mbps Intra-frame, 50 Mbps Long GOP	
ProRes	Resolution/Sampling	4096x2160 YCC422 10 bit/3840x2160 YCC422 10 bit, 2048x1080 YCC422 10 bit/1920x1080 YCC422 10 bit, 2048x1080 RGB444 12 bit/1920x1080 RGB444 12 bit	
	Bit Rate	ProRes4444XQ/ProRes4444/ProRes422HQ/ProRes422	
XF-AVC (proxy)	Resolution/Sampling	2048x1080 YCC420 8 bit/1920x1080 YCC420 8 bit	
	Bit Rate	24/35 Mbps Long GOP	
RAW	Bit Depth	12/10 bit	
	Resolution	5952x3140, 5952x2532, 4096x2160 (cropped), 2048x1080 (cropped)	
Terminal	Input	GENLOCK terminal (also serves as SYNC OUT terminal), TIME CODE terminal (input/output switching), REMOTE terminals (A/B), MIC jack, INPUT terminal (XLR: 2 sets)	
	Output	MON, (1/2) terminals, SDI-OUT terminal (1-4), HDMI OUT terminal, headphones jack, SYNC OUT terminal (also serves as GENLOCK terminal), TIME CODE terminal (input/output switching), VIDEO terminal	
	Input/Output Control	LENS terminal, Ethernet terminal, CTRL terminal, expansion system terminal	
Related Accessories		Remote Controller RC-V100, Wireless Transmitter WFT-E6/WFT-E8, GPS Receiver GP-E1, Unit Cable UN-5/UN-10, OLED Electronic Viewfinder EVF-V70, Remote Operation Unit OU-700, Shoulder Support Unit SU-15, Shoulder Style Grip Unit SG-1, Remote Operation Unit Cable UC-V75, Remote Operation Unit Cable UC-V1000, B4 Mount Adapter MO-4E/MO-4P	
Third-party Products		(1) Codex: CDX-36150 (Codex Recorder for Canon EOS C700)/Removable Capture Drive for CDX-36150, (2) IDX: V-Mount battery (Also IDX AC adapter and cable, etc.)	
Dimensions (WxHxD)		Approx. 167x154x327 mm	Approx. 167x154x336 mm
Weight		Approx. 3455 g	Approx. 3615 g

*ENG Broadcast Lenses (2/7.62 cm mount lenses which allow for 12-pin communication using B4 mount) **When the sensitivity is expanded ◇ When expansion is selected ◇◇ Lenses must support AF

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