

Canon

EOS C700 FF EOS C700 FF PL



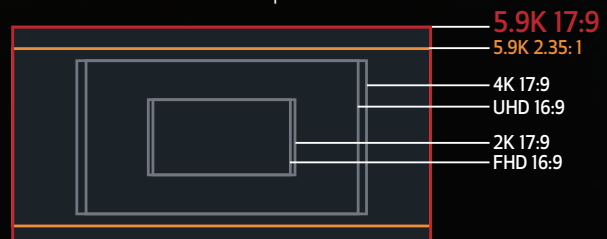
OUR FULL-FRAME CINEMA EOS CAMERA

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 60 frames per second with the optional Codex CDX-36150 Recorder, the camera 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 exceed 15 stops of dynamic range and a wide colour gamut for outstanding effectiveness in HDR video production.



CINEMA EOS

SPECIFICATIONS

| | | EOS C700 FF | EOS C700 FF PL |
|----------------------------|----------------------------|--|---|
| Image Sensing Device | Total Pixels | Approx. 20.8 megapixels (6062 x 3432) | |
| | Number of Effective Pixels | Approx. 18.69 megapixels (5952 x 3140): When 4096 x 2160 or 2048 x 1080 is selected as the resolution, Approx. 17.52 megapixels (5580 x 3140): When 3840 x 2160 or 1920 x 1080 is selected as the resolution, RAW Recording Pixels 5952 x 3140 | |
| | Sensor | Sensor CMOS Sensor with DAF Technology | CMOS Sensor |
| Lens Mount | | 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 | 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 (1) Push auto iris control (2) Auto iris control | Lenses that support Auto Iris: EF Lenses EF-S 10-18mm f/4.5-5.6 IS STM, EF-S 18-55mm f/3.5-5.6 IS STM, EF-S 18-135mm f/3.5-5.6 IS STM, EF-S 55-250mm f/4-5.6 IS STM, EF 24-105mm f/3.5-5.6 IS STM, EF-S 18-135mm f/3.5-5.6 IS USM, EF-S 18-55mm f/4-5.6 IS STM, EF 70-300mm f/4-5.6 IS II USM, EF-S 35mm f/2.8 Macro IS STM, EF 85mm f/1.4L IS USM Cinema Lenses CN7x17 KAS S/EI, CN7x17 KAS S/PI, CN20x50 IAS H/EI, CN20x50 IAS H/PI, CN-E 18-80mm T4.4 L IS KAS S, CN-E 70-200mm T4.4 L IS KAS S, CN-E 14mm T3.1 L F, CN-E 20mm T1.5 L F, CN-E 24mm T1.5 L F, CN-E 35mm T1.5 L F, CN-E 50mm T1.3 L F, CN-E 85mm T1.3 L F, CN-E 135mm T2.2 L F ENG Broadcast Lenses* HJ14ex4.3B IASE S, HJ18ex7.6B IASE S, HJ24ex7.5B IASE S, HJ17ex7.6B IASE S, HJ22ex7.6B IASE S |
| | 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 | | 3.0-inch (7.66cm on the diagonal) colour liquid crystal. Approx. 1.036 million dots | |
| Viewfinder | | None (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 | 59.94 Hz, 24.00 Hz, 59.94 Hz mode: 59.94i/59.94P/29.97P/23.98P, 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 - 48kHz), 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 | 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), 1920x1080 (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 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-EI, 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 (W x H x D) | | Approx. 6.6 x 6.1 x 12.9 in. (167 x 154 x 327mm) | Approx. 6.6 x 6.1 x 13.2 in. (167 x 154 x 336mm) |
| Weight | | Approx. 7.6 lb. (3455g) | Approx. 8.0 lb. (3615g) |

* ENG Broadcast Lenses (2/3" 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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