



Ready For Action

4K RF MOUNT **DGO** Dual Gain Output **Dual Pixel CMOS AF**

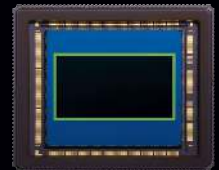
Developed with an idea of combining the Cinema EOS series with the EOS R series, the new EOS C70 4K Digital Cinema Camera delivers exceptional image quality and professional video features in a compact, mobile form factor. It's the first Cinema EOS camera with a built-in RF lens mount, a feature once exclusive to EOS R system mirrorless cameras. This allows users to access the superb lineup of Canon RF lenses and enter a whole new realm of creative possibilities.

Featuring a Super 35mm Dual Gain Output (DGO) sensor capable of over 16 stops of total dynamic range, a DIGIC DV 7 image processor that helps enable 4K 120p High Frame Rate recording, Dual Pixel CMOS AF and more, the EOS C70 is the high-performance cinema camera that's ideal for documentary, news-gathering and corporate videos.

- Canon Super 35mm Dual Gain Output (DGO) Sensor, 16+ Stops of Total Dynamic Range
- DIGIC DV 7 Image Processor
- Canon Log 2, 3, PQ, HLG Recording
- RF Mount
- EF Lens Versatility with Mount Adapter
- New Compact, Lightweight Design
- 2x Built-in Mini-XLRs
- Time Code Terminal
- Built-in ND Filter
- Dual Pixel CMOS AF, EOS iTR AF X, Dual Pixel Focus Guide
- Electronic Image Stabilization with Combination IS
- Dual SD Card Slots with Various Recording Options
- High Frame Rate; 4K 120p and 2K CROP 180p
- Look File for Recording (User LUT)
- Long GOP Supported in 4K/2K

Canon Super 35mm Dual Gain Output (DGO) Sensor

The EOS C70 features Canon's next-generation Super 35mm Dual Gain Output (DGO) sensor. This sensor is capable of a total dynamic range of 16+ stops and includes Canon's exclusive Dual Pixel CMOS Autofocus technology. The DGO sensor is an imaging system that generates high dynamic range and maintains low noise levels by reading out each photodiode with two different gains. It combines the two with a saturation prioritizing gain for bright areas, and a lower noise prioritizing gain for darker areas.



EF Lens Versatility

In addition to RF lenses, the EOS C70 offers tremendous flexibility by also being compatible with Canon's broad line of award-winning EF lenses thanks to the new EF-RF optical adapter (sold separately). The Mount Adapter EF-EOS R 0.71x converts light transmission from full frame to Super 35mm image format. It extends the angle of view and optical sensitivity, while seamlessly integrating with the camera's optical corrections.



SPECIFICATIONS

Image Sensing Device	White Balance
Sensor: Super 35mm / Super 16mm (crop) CMOS Dual Gain Output sensor with DPAF technology	Kelvin setting (setting range: 2000K to 15000K / -20CC to +20CC), AWB, Daylight, Tungsten, Set A, Set B
Total Pixels: 9.6 Megapixels (4206 x 2280)	System Frequency Selection
Number of Effective Pixels: 8.85 Megapixels (4096 x 2160): 4K/2K DCI recording 8.29 Megapixels (3840 x 2160): UHD/FHD recording	Frame Rates: 59.94 Hz mode: 59.94/59.94P/29.97P/23.98P, 50.00 Hz mode: 50.00/50.00P/25.00P, 24.00 Hz mode: 24.00P
Image Processing Platform	Recording Media
Image Processor: DIGIC DV 7 image processor	SD Card: 2 slots; recording of movie, photos (JPEG), custom pictures, clip metadata, menu settings, SD/SDHC/SDXC supported
Lens Mount	Compression Formats
RF Mount Compatible lenses: all RF lenses and all EF lenses (including EF-S lenses/EF cinema lenses)*	Video: (1) XF-AVC: MPEG-4 AVC/H.264, (2) MP4(HEVC): H.265/HEVC, (3) MP4(AVC): H.264/AVC
* EF lenses are compatible with EF Mount Adapter	Audio: (1) Linear PCM (16 bit - 48kHz; 4-channel recording), (2) AAC (16-bit - 48kHz; 2-channel recording)
Exposure	Time Code
Exposure Modes: (1) Manual exposure based on shutter setting, iris setting, ISO/gain setting and ND filter setting (2) Push auto iris control, auto iris control	Count-up: (1) Drop frame*, (2) Non-drop frame
(Light metering system selection, shift possible) (3) Auto ISO	* Only in 59.94 Hz mode
Shutter Setting: Speed, Angle, Clear Scan, Slow or Off mode selected Either 1/3 or 1/4 stops selected as speed increment	Operation Mode: Regeneration, Record Run, Free Run, External Source
Iris Setting: Can be set to 1/2-stop, 1/3-stop or Fine (1) Push auto iris control (2) Auto iris control	Gamma: BT.709, Wide DR, Canon Log 2, Canon Log 3, PQ, HLG
Lenses that support auto iris:	Color Space: Cinema Gamut, BT.709, BT.2020
RF Lenses	Other Features
RF85mm F1.2L USM DS RF35mm F1.8 Macro IS STM RF24-105mm F4L IS USM RF100-500mm F4.5-7.1L IS USM	Slow & Fast motion recording, B&W Image: LCD/HDMI, relay recording*, double-slot recording**, custom picture settings, color bar, peaking, zebra pattern, magnify, waveform monitor display, assignable buttons, marker display, enlarged display, custom picture display, control via Browser Remote***, peripheral illumination correction, diffraction correction, fan control, geotagging
RF85mm F1.2L USM RF28-70mm F2L USM RF24-70mm F2.8L IS USM	
RF85mm F2 Macro IS STM RF24-240mm F4-6.3 IS USM RF15-35mm F2.8L IS USM	
RF50mm F1.2L USM RF24-105mm F4-F7.1 IS STM RF70-200mm F2.8L IS USM	
EF Lenses*	* Not available during Slow Motion recording
EF-S 10-18mm f/4.5-5.6 IS STM EF-S 55-250mm f/4-5.6 IS STM EF-S 18-55mm f/4-5.6 IS STM EF 85mm f/1.4L IS USM	** Not available in combination with Slow & Fast motion recording or relay recording
EF-S 18-55mm f/3.5-5.6 IS STM EF 24-105mm f/3.5-5.6 IS STM EF 70-300mm f/4-5.6 IS II USM	*** Browser Remote with Ethernet or Wi-Fi USB-C Adapter
EF-S 18-135mm f/3.5-5.6 IS STM EF-S 18-135mm f/3.5-5.6 IS USM EF-S 35mm f/2.8 Macro IS STM	
* Supported by EF lenses released in 2018 and later	
CINE-SERVO Lenses	Terminal
CN7x17 KAS S/EI CN20x50 IAS H/EI CNE 18-80mm T4.4 L IS KAS S	Input: MIC jack (3.5mm), INPUT (1/2) - Mini-XLR, REMOTE Terminal A (LANC/RC-V100)
CN7x17 KAS S/PI CN20x50 IAS H/PI CNE 70-200mm T4.4 L IS KAS S	Output: HDMI, 3.5mm stereo headphone mini-jack
	Input/Output Control: Time Code, USB (Type-C, for Wi-Fi/Ethernet/GP-E2)
ISO: 1-stop, 1/3-stop settings: 100*-160-25600-102400*	Power
* When the sensitivity is expanded	Supply: DC IN terminal (DC 24 V)
Internal ND Filter: 5 density settings (2, 4, 6, 8*, 10* stops) * When expansion is selected	Battery Terminal: DC 14.4 V
Focus Control/Assist	Dimensions (W x H x D)
Focus Control: Dual Pixel CMOS AF (DPAF), 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)	Approx. 6.3 x 5.1 x 4.6 in. (160 x 130 x 117mm) (body only)
Focus Guide: Available; displays focus status or unfocused status using the AF signal	Weight
LCD Monitor	Approx. 2.6 lb. (1179.3g) (body only)
3.5-inch (8.8 cm diagonal) color wide-screen LCD with 16:9 aspect ratio, approx. 2.76 million dots (1280 x RGB x 720)	
Viewfinder	
N/A	



CINEMA EOS

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Canon U.S.A., Inc.
One Canon Park
Melville, NY 11747 U.S.A.

Canon Burbank
3400 West Olive Avenue Suite 250
Burbank, CA 91505 U.S.A.

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