Recording Formats Chart

Format	Recording Media	Sensor Mode	Resolution	Signal Type	Bit Depth	Maximum Frame Rate
Cinema RAW	Codex Recorder CDX-36150	Full Frame	5.9K	RGB Bayer RAW	---	60 fps
		Full Frame	5.9K Cinescope	RGB Bayer RAW	---	60 fps
		Super35mm (Crop)	4K	RGB Bayer RAW	---	72 fps
		Super16mm (Crop)	2K	RGB Bayer RAW	---	168 fps
ProRes	CFast	Full Frame Super35mm (Crop)	4K / UHD	ProRes 422 HQ	10 bit	30 fps
			2K / FHD	ProRes 422 HQ	10 bit	60 fps
			2K / FHD	ProRes 4444	12 bit	60 fps
		Super16mm (Crop)	2K / FHD	ProRes 422 HQ	10 bit	168 fps
			2K / FHD	ProRes 422	10 bit	168 fps
	Codex Recorder CDX-36150	Full Frame	4K / UHD	ProRes 422 HQ	10 bit	60 fps
			2K / FHD	ProRes 422 HQ	10 bit	60 fps
			2K / FHD	ProRes 4444 XQ	12 bit	60 fps
			2K / FHD	ProRes 4444	12 bit	60 fps
		Super35mm (Crop)	4K / UHD	ProRes 422 HQ	10 bit	60 fps
			2K / FHD	ProRes 422 HQ	10 bit	72 fps
			2K / FHD	ProRes 4444 XQ	12 bit	60 fps
			2K / FHD	ProRes 4444	12 bit	60 fps
		Super16mm (Crop)	2K / FHD	ProRes 422 HQ	10 bit	168 fps
			2K / FHD	ProRes 422	10 bit	168 fps
XF-AVC	CFast	Full Frame	4K / UHD	YCC422 Intra	10 bit	60 fps
			2K / FHD	YCC422 Intra	10 bit	60 fps
			2K / FHD	YCC422 LongGOP	10 bit	30 fps
			2K / FHD	RGB444 Intra	12 bit	60 fps
			2K / FHD	RGB444 Intra	10 bit	60 fps
		Super35mm (Crop)	4K / UHD	YCC422 Intra	10 bit	60 fps
			2K / FHD	YCC422 Intra	10 bit	72 fps
			2K / FHD	YCC422 LongGOP	10 bit	60 fps
			2K / FHD	RGB444 Intra	12 bit	60 fps
			2K / FHD	RGB444 Intra	10 bit	60 fps
			FHD Interlace	YCC422 LongGOP	10 bit	60i / 50i
		Super16mm (Crop)	2K / FHD	YCC422 Intra	10 bit	168 fps
			2K / FHD	YCC422 LongGOP	10 bit	60 fps
			FHD Interlace	YCC422 LongGOP	10 bit	60i / 50i
XF-AVC (Proxy)	SD Card		2K / FHD	YCC420 LongGOP	8 bit	~ 60 fps

When a B4 adapter is attached, only XF-AVC/Crop/FHD/Interlace (60i/50i)/YCC422/LongGOP/10 bit recording is supported.

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EOS C700 FF

Specifications

Image Sensing Device	
Sensor	CMOS Sensor with DAF Technology
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
Lens Mount	
Lens Mount	EF mount (cinema lock type)
Exposure	
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 (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 (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 **CINE-SERVO Lenses** CN7x17 KAS S/E1 CN7x17 KAS S/P1 CN20x50 IAS H/E1 CN20x50 IAS H/P1 CN-E 18–80mm T4.4 L IS KAS S CN-E 70–200mm T4.4L IS KAS S

	Cinema Prime Lenses 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** (2/3 mount lenses which allow for 12-pin communication using B4 mount) HJ14ex4.3B IASE S HJ18ex7.6B IASE S HJ24ex7.5B IASE S HJ17ex7.6B IASE S HJ22ex7.6B IASE S (The optional MO-4E or MO-4P B4 Adapter is required.)
ISO	1 step, 1/3 step settings [100* – 160 – 25600 – 102400*] *When the sensitivity is expanded*
ND Filter	5 density settings (2, 4, 6, 8*, 10* stops) *When expansion is selected* Motorized drive

Focus Control / Assist

Focus Control	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.
Focus Guide	Lens must support AF

Control Display

Controls Display	3.0-inch (7.66cm on the diagonal) color liquid crystal Approx. 1.036 million dots

Viewfinder

Viewfinder	FHD 1920 x 1080 0.7" Optional OLED Electronic Viewfinder (EVF-V70) sold separately

Control Display

White Balance	AWB, User Setting (setting range: 2000 K to 15000 K/-20 CC to +20 CC), Daylight, Tungsten, Set (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	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)
Time Code	
Count-up	Drop frame* or non-drop frame *Only in the 59.94 Hz mode.
Operation Mode	Rec run, free run, regeneration
Gamma	Canon Log 3/Canon Log 2/Canon Log/Wide DR
Color Space	Cinema Gamut/BT.2020 Gamut/DCI-P3 Gamut/BT.709 Gamut
LUT	BT.709/BT.2020/DCI/ACESproxy/HDR-ST2084
Others	
Others	Slow & Fast motion recording (max. 168 fps supported), relay recording, double slot recording, custom picture settings, color bar, peaking display, zebra display, My Menu settings, waveform monitor display, custom function, assignable buttons, key lock, marker displays, enlarged display, custom display, Control via Browser Remote, peripheral illumination correction, monaural microphone, fan control, correction of chromatic aberration of magnification, geotagging and other functions

Playback	
Playback Operations	Normal playback, frame forward, frame reverse
Clip Display	List display of clip file names
Clip Information Display	Clip metadata display, custom picture data display
Edit	Clip deletion
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
Power Supply	
Input	DC IN 12V jack (XLR 4-pin jack)
Output	DC OUT 24V 2A, DC OUT 12V 2A terminal, D-Tap terminal
Image Processing Platform	
Image Processing Platform	Triple DIGIC DV 5
Related Accessories	
Related Accessories	Remote Controller RC-V100 Wireless Transmitter WFT-E6/WFT-E8 GPS Receiver GP-E1 Unit Cable UN-5/UN-10 OLED Electronic View Finder 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	
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.)

IP Streaming	
IP Streaming	Streams video to decoder transmission device or computer over the network.
Bit Rate / Resolution / Frame Rate	9 Mbps/4 Mbps: 1920x1080 [59.94i] 2 Mbps: 1280x720 [29.97P] 1.5 Mbps: 720x480(/576) [59.94i]
Audio	MPEG-2 ACC-LC
Audio Rate	256 KBbps
Transfer Media	Wi-Fi® / Ethernet
Protocols	UDP: Prioritizes transfer speed, with no guarantees of reliability or correct order. Lost or lagging packets ignored. RTP: Standard system for sending videos and audio online. Lost or lagging packets ignored. RTP+FEC: Error correction (FEC) control during RTP transfer enables recovery of lost or corrupt packets on the receiving side. RTSP+RTP: Real-time data streaming control via RTSP (Real Time Streaming Protocol) and transfer via RTP. The receiving side can start or stop streaming. Enabled in XF-AVC mode.
Error Correction	FEC
Wi-Fi® Specifications	
Standards	Using WFT-E6: IEEE 802.11a/b/g/n (2.4 GHz/5 GHz) Using WFT-E8: IEEE 802.11a/b/g/n/ac (2.4 GHz/5 GHz)

Transmission Frequencies and Channels	• IEEE 802.11b/g/n (2.4 GHz band)
	    2412-2462 MHz, 1–11 ch
	    2412-2472 MHz, 1–13 ch
	• IEEE 802.11n/11a (5 GHz band)

Wi-Fi® Setup Method	(1) WPS [Wi-Fi® Protected Setup] (push-button system, PIN code system) (2) Manual Setup (3) Search for Access Points
Authentication Systems	Open system, WPA-PSK, WPA2-PSK
Encryption	WEP-64, WEP-128, TKIP, AES
Weight and Dimensions	
Dimensions (W x H x D)	Approx. 6.6 x 6.1 x 12.9 in. (167 x 154 x 327mm)
Weight	Approx. 7.6 lb. (3455g)