



EOS C300
Mark II

EOS C300 MARK II DIGITAL CINEMA CAMERA

Designed with extensive user input, the EOS C300 Mark II Digital Cinema Camera delivers improved image expression capabilities and operability advances including in-camera 4K recording to dual CFast card slots and 2K/Full HD recording to an SD card slot, up to 15 stops of dynamic range, 10-bit Canon Log Gamma 2 recording, and MXF support for a diverse array of workflow environments. The camera integrates a totally re-designed imaging system of advanced components, including a newly developed 8.85 Megapixel Canon Super 35mm 16:9 CMOS image sensor, powerful Canon Dual DIGIC DV5 image processors, and the Canon XF-AVC codec. Working together they provide such advantages as Dual-Pixel CMOS AF with an expanded focusing area and Face Detection (when used with Canon EF lenses). They also provide reduced visual noise, and high-sensitivity shooting at a maximum ISO of 102,400 for bright, sharp image capture using only ambient lighting.

KEY FEATURES

- New Canon 8.85 Megapixel CMOS Sensor
- Dual Canon DIGIC DV 5 Image Processors
- Canon XF-AVC H.264 Codec
- Internal 4K/2K/Full HD Recording
- Twin 3G-SDI Outputs for up to 30p 4K
- Full Manual Control
- 1.77 Megapixel Color OLED EVF With Adjustable 60° Tilt Angle
- Uses All Canon CN-E Cinema Prime and Zoom Lenses
- Uses All Canon EF and EF-S Photo Lenses (Including Specialty Tilt-Shift and Other Models)
- Built-In Mono Microphone
- Removable LCD Monitor and Control Panel with XLR Inputs
- Removable Hand Grip
- Improved Low-Angle Camera Handle Extension
- Wi-Fi for Remote LiveView Display and Camera Control (with optional WFT-E6A Wireless Controller)

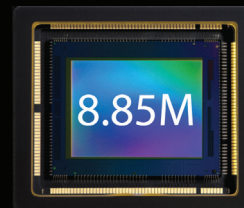
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SPECIFICATIONS

IMAGE SENSOR	EFFECTIVE PIXELS		Approx. 8.85 megapixels (4096 x 2160): When 4096 x 2160 or 2048 x 1080 is selected as the resolution Approx. 8.29 megapixels (3840 x 2160): When 3840 x 2160 or 1920 x 1080 is selected as the resolution
	SENSOR TYPE		CMOS (single-panel)
	SENSOR SIZE		Equivalent to Super 35 mm
	IMAGING PROCESSOR		Dual DIGIC DV 5
LENS SYSTEM	LENS MOUNT		Canon EF Mount; EF Cinema Mount; or PL Mount
	INTERCHANGEABLE LENS SYSTEM		EF-mount for compatibility with EF, EF-S and EF Cinema lens systems
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, 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		1/2-stop, 1/3-stop or fine setting selected (1) Push auto iris control (2) Auto iris control * * Available only with some EF lenses (to be disclosed in the official version of the technical document)
	ISO / GAIN		ISO: 1 step, 1/3 step settings [*100, 160, 25600, *102400] *When the sensitivity is expanded GAIN: Normal [*-6dB, -2dB, -42dB, *54dB] Fine: Setting in 0.5dB step increments possible *When the sensitivity is expanded
	ND FILTER		5 density settings (2.4,6.8(*), 10(*)) stops [(*) *when expansion is selected]; Motorized drive
FOCUS	FOCUS CONTROL		DAF (Dual Pixel CMOS AF) supported
	MODE		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.)
VIDEO FORMAT	XF-AVC	VIDEO COMPRESSION FORMATS	MPEG-4 AVC / H.264
		AUDIO RECORDING SYSTEM	Linear PCM (16bit/24bit- 48 kHz - 4ch)
		FILE FORMAT	MXF
		BIT RATE	410/310/225/210/160Mbps Intra-frame 50Mbps Long GOP 35 or 24Mbps Long GOP (for proxy recording on SD cards)
		CFAST CARD	Intraframe recording Resolution : 4096 x 2160 / 3840 x 2160 / 2048 x 1080 / 1920 x 1080 Color Sampling: YCC422 10bit/(*)RGB444 (12bit/10bit) (*) Only with 2048 x 1080 or 1920 x 1080; 29.97P, 23.98P, 25.00P and 24.00P
		SD CARD	LongGOP recording Resolution: 2048 x 1080 / 1920 x 1080 Color Sampling: YCC422 10bit
			Movies: LongGOP recording only (*) Resolution: 2048 x 1080 / 1920 x 1080 Color Sampling: YCC420 8bit Photo: JPEG Resolution: 2048 x 1080 / 1920 x 1080 (*) Proxy recording using low bit rate
POWER	BATTERY PACK		14.4 V DC BP-A30 (provided with camcorder)/ BP-A60
	DC-IN		16.7 V DC
	BATTERY CHARGER		CG-A10
RECORDING MEDIA	CFAST CARD		Movie recording, custom picture settings, metadata 2-slot
	SD CARD		Recording of movies and photos (JPEG), custom pictures, metadata, menus and other data possible
PLAYBACK	PLAYBACK OPERATIONS		Normal playback, fast forward (at speeds of 5x, 15x, 60x), fast reverse (at speeds of 5x, 15x, 60x), frame forward, frame reverse, forward skip, reverse skip, rec review
	CLIP DISPLAY		3x4 (clip) index screen [Original, OK mark, check mark, shot mark, expand, proxy, photo (SD card) index displays available]
	CLIP INFORMATION DISPLAYS		Clip metadata display, custom picture data display
	EDIT		Clip deletion, clip copying
OTHER	GPS SUPPORT		GP-E1
	WIRELESS TRANSMITTER		WFT-E6/WFT-E8
	BODY DIMENSIONS (W x H x D)		Approx. 5.9 x 7.2 x 7.2 in (149 x 183 x 183 mm) (with thumb rest)
	WEIGHT (BODY ONLY)		EF mount: Approx. 3.9 lb (1770 g) PL mount: Approx. 4.4 lb (2000 g)

CANON 8.85 MEGAPIXEL SUPER 35MM CMOS SENSOR

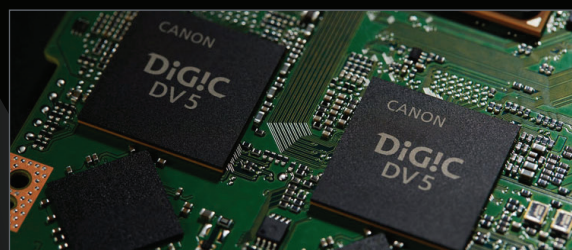
The heart of the any Canon camera is its superb image-sensor technology. The EOS C300 Mark II Cinema camera integrates an 8.85 Megapixel Super 35mm 16:9 CMOS sensor that supports 4K (DCI) and UHD recording with a maximum resolution of 4096 X 2160 pixels. The camera fully utilizes the image data delivered by this 4K CMOS sensor to also enable Over Sampling HD Processing for 2K (DCI) and Full HD 1080-60p recording.



Each pixel in this CMOS imaging sensor also maintains a wide pixel pitch that helps maximize the amount of light that falls on to each photo site, thus enhancing the EOS C300 Mark II's sensitivity while also minimizing noise and supporting ISO speeds of up to 102,400 for extreme low-light imaging.

DUAL DIGIC DV5 IMAGE PROCESSORS


The EOS C300 Mark II cinema camera's re-designed imaging system includes dual DiGiC DV 5 image processors, which work in concert with the camera's advanced Super 35 CMOS sensor and XF-AVC codecs to enable a wide variety of image quality and feature improvements. These include 15 stops of dynamic range, Canon Log 2 recording, Dual Pixel CMOS AF, simultaneous 4K and HD proxy recording, and 2K/Full HD frame rates of up to 120 fps.



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