



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 DV5 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
- Built-in Dual-Band Wi-Fi for Remote LiveView Display and Camera Control

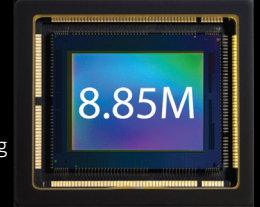
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SPECIFICATIONS

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	Intra 410/225/220/110Mbps, LongGOP 50Mbps Long GOP 35 or 24Mbps (for proxy recording on SD cards)
		CFAST CARD	Intraframe recording Resolution : 4096 x 2160 / 3840 x 2160 / 2048 x 1080 / 1920 x 1080 Signal configuration : YCC422 10bit / (*)RGB444 (12bit/10bit) (*) Only with 2048x1080 or 1920x1080; 29.97P, 23.98P, 25.00P and 24.00P
			LongGOP recording Resolution: 2048 x 1080 / 1920 x 1080 Signal configuration: YCC422 10bit
		SD CARD	Movies: LongGOP recording only (*) Resolution: 2048 x 1080 / 1920 x 1080 Signal configuration: 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	
	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)	TBD	

CANON 8.85 MEGAPIXEL SUPER 35MM CMOS SENSOR

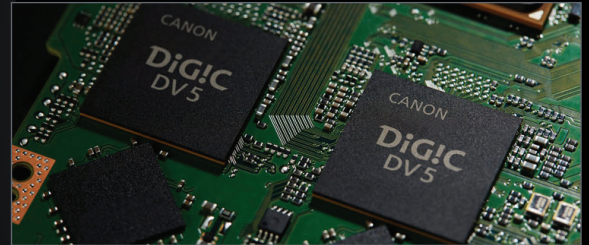
The heart of the any Canon camera is its superb image-sensor technology. The EOS C300 Mark II Cinema camera integrates an 8.85 Megapixel Super 35mm 16:9 CMOS sensor that supports 4K (DCI) and UHD recording with a maximum resolution of 4096 X 2160 pixels. The camera fully utilizes the image data delivered 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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