EOS C300
Mark III

Canon
Delighting You Always

Canon's New Dual Gain Output Sensor

High Dynamic Range | Low Noise | 4K Slow Motion

Built with versatility in mind, the EOS C300 Mark III is the latest game-changer for a host of productions. Armed with the new 4K Super 35mm DGO (Dual Gain Output) sensor that captures an extremely wide Dynamic Range with low noise, the EOS C300 Mark III surpasses every expectation for producing broadcast content, documentaries and other genres for the owner operator. Delivering high frame rates of up to 120fps in 4K (uncropped) with support for Dual Pixel CMOS AF and Cinema Raw Light, the EOS C300 Mark III has uncompromised high frame rate abilities. The modular design of interchangeable mounts and extension units allow operators to configure the most robust system to stay ahead of the game.

4K

DGO
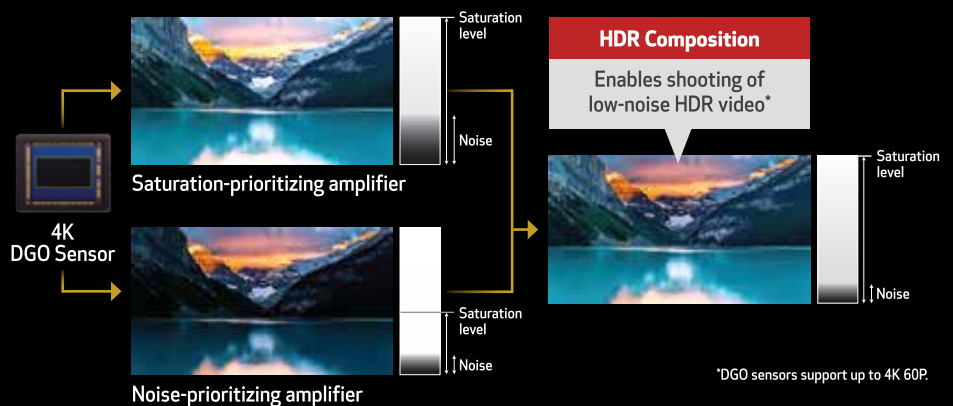Dual Gain Output

DiGiC DV 7

4K Super 35mm DGO (Dual Gain Output) Sensor

The 4K Super 35mm DGO Sensor is Canon's latest sensor technology. By combining 2 sets of data and processing them together, footage with high dynamic range of up to 16+ stops alongside low noise performance are created without any form of ghosting artifacts, ensuring extremely high image quality.
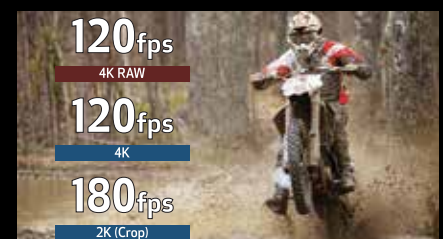
FEATURES

- 4K Super 35mm DGO Sensor
- 16+ Stops Dynamic Range
- 4K 120fps uncropped
- 4K 4:2:2 10-bit XF-AVC ALL-I/Long GOP
- Internal 4K RAW Recording
- DIGIC DV 7 Image Processor
- Dual Pixel CMOS AF with Touch AF and Face Detection AF
- Built-in Electronic Five-Axis Image Stabilization
- Canon Log 2 and 3 Gamma
- Modular Design with Three Available Extension Units

4K DGO Sensor

Saturation-prioritizing amplifier

Saturation level

Noise

Noise-prioritizing amplifier

Saturation level

Noise

HDR Composition

Enables shooting of low-noise HDR video*

Saturation level
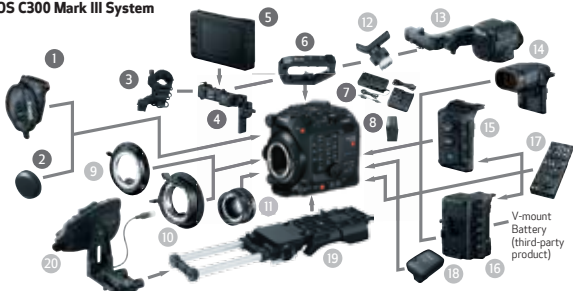
Noise

*DGO sensors support up to 4K 60P.

120FPS 4K Cinema RAW Light Recording

The EOS C300 Mark III supports high frame rates for capturing fast action with clarity and precision. Engage in 120fps in 4K (up to 180fps in 2K Crop) Cinema RAW Light recording for uncompromised image quality and flexibility in post production.

120fps
4K RAW

120fps
4K

180fps
2K (Crop)

SPECIFICATIONS

Image Sensing Device

Sensor: Super 35mm Dual Gain Output Sensor
Sensor Modes: Super 35mm / Super 16mm (Cropped)
CMOS Sensor with Dual Pixel CMOS AF

Total Pixels: Approx. 9.6 Megapixels (4206 x 2280)

Number of 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

Image Processing Platform

Image Processor: DIGIC DV 7 Image Processor

Lens Mount

EF-mount (Native Mount), EF Cinema Lock Mount (User-changeable, sold seperately),
PL-mount (User-changeable, sold seperately)

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: Can be set to 1/2-stop, 1/3-stop or Fine (1) Push auto iris control (2) Auto iris control

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, Motorised drive

Focus Control/Assist

Focus Control: Dual Pixel CMOS AF (DAF), Manual Focus, One-Shot AF, Continuous AF, AF-Boosted MF, Face Detection AF
(Only lenses that support AF functions can be used in these modes)

Focus Guide: Available; displays focus status or unfocused status using the AF signal

LCD Monitor

LM-V2 LCD Monitor (included)
4.3-inch (10.9cm) touchscreen LCD with 16:9 aspect ratio (approx. 2.76 million dots)

Viewfinder

Optional OLED Electronic Viewfinder EVF-V50 or EVF-V70 (Both sold separately)

White Balance

AWB, Kelvin setting (setting range: 2000K–15000K / -20CC to +20CC), Daylight, Tungsten, Set (A/B)

System Frequency Selection

System Frequency and Frame Rates:
50.00 Hz, 59.94 Hz, 24.00 Hz,
50.00 Hz mode: 50.00i/50.00P/25.00P,
59.94 Hz mode: 59.94i/59.94P/29.97P/23.98P,
24.00 Hz mode: 24.00P

Recording Media

CFexpress™ Cards (2 slots): Recording of movies (Cinema Raw Light/XF-AVC), custom pictures, metadata

SD Card: Recording of movies (XF-AVC (proxy)), photos (JPEG), custom pictures, metadata, menus and other data

Compression Formats

Video: (1) XF-AVC: MPEG-4 AVC/H.264, (2) RAW: Cinema RAW Light

Audio: Linear PCM (24 bit – 48kHz; 4-channel recording)

Time Code

Count-up: Drop frame* or non-drop frame * Only in 59.94 Hz mode

Operation Mode: Rec Run, Free Run, Regeneration

Gamma, Color Space and LUTs

Gamma: Canon Log 3, Canon Log 2, BT.709 Wide DR, BT.709 Normal, HDR-PQ, HDR-HLG

Colour Space: Cinema Gamut, BT.2020, BT.709

LUT: BT.709/BT.2020/DCI/ACESproxy/PQ, HLG, HDR1600%, HDR400% and User LUTs (1-4)

Recording Formats and Bit Rates

Sensor mode	Recording format	Recording resolution	
Super 35 (4K DGO Sensor) (Up to 60fps) *Dual Gain Output	Cinema RAW Light 12 / 10 bit	4096 x 2160	
	XF-AVC 4 : 2 : 2 10 bit All-I / Long GOP	4096 x 2160 3840 x 2160	
		Over Sampling	2048 x 1080
			1920 x 1080
			1280 x 720 (Long GOP only)
	XF-AVC 4 : 2 : 0 8 bit Long GOP	Over Sampling	2048 x 1080
			1920 x 1080
			1280 x 720
Super 35 (Up to 120fps)	Cinema RAW Light 12 / 10 bit	4096 x 2160	
	XF-AVC 4 : 2 : 2 10 bit All-I / Long GOP	4096 x 2160 3840 x 2160	
		Over Sampling	2048 x 1080
			1920 x 1080
			1280 x 720 (Long GOP only)
	XF-AVC 4 : 2 : 0 8 bit Long GOP	Over Sampling	2048 x 1080
			1920 x 1080
			1280 x 720
Super 16 (2K DGO Sensor) (Up to 60fps)	Cinema RAW Light 12 / 10 bit	2048 x 1080	
	XF-AVC 4 : 2 : 2 10 bit All-I / Long GOP	1920 x 1080	
		1280 x 720 (Long GOP only)	
	XF-AVC 4 : 2 : 0 8 bit Long GOP	2048 x 1080	
		1920 x 1080	
		1280 x 720	
Super 16 (Up to 180fps)	Cinema RAW Light 12 / 10 bit	2048 x 1080	
	XF-AVC 4 : 2 : 2 10 bit All-I / Long GOP	1920 x 1080	
		1280 x 720 (Long GOP only)	
	XF-AVC 4 : 2 : 0 8 bit Long GOP	2048 x 1080	
		1920 x 1080	
		1280 x 720	

Other Features

Slow & Fast motion recording, pre-recording, relay recording, double slot recording, custom picture settings, colour bar, peaking display, zebra display, My Menu settings, waveform monitor display, assignable buttons, key lock, marker display, enlarged display, custom display, peripheral illumination correction, diffraction correction, built-in monaural microphone, fan control.

Terminals

Input: Time Code Connector (BNC, Input & Output), MIC jack, XLR INPUT terminal (1/2)*, REMOTE terminal (A), USB
*Digital input (AES/EBU standards) supported

Output: HDMI, 3.5mm Headphone Terminal, MON. terminal, SDI OUT terminal*, VIDEO terminal * 12G-SDI supported

Power Supply

4 pin XLR DC IN 12V (DC 11.5V–20V), Battery terminal (DC 14.4V), DC 12–20V (when using a V-mount battery with EU-V2)

Dimensions (body only)

Dimensions (W x H x D): Approx. 153 x 148 x 168mm (6.0 x 5.8 x 6.6 in)

Weight (body only)

Weight: Approx. 1750g (3.9 lb)

EOS C300 Mark III System

Included Accessories
1. Camera Grip GR-V1
2. Thumb Rest
3. Mic Holder Unit
4. LCD Attachment LA-V2
5. LCD Monitor LM-V2
6. Handle Unit
7. Battery Charger CG-A20
   AC Adapter CA-CP200 B
8. BP-A60 Battery Pack

Optional Accessories
9. Mount Kit CM-V1
10. Mount Kit PM-V1
11. B4 Mount Adapter MO-4E/MO-4P
12. Clamp Base CL-V2
13. OLED Electronic Viewfinder EVF-V70
14. OLED Electronic Viewfinder EVF-V50
15. Expansion Unit 1 EU-V1
16. Expansion Unit 2 EU-V2
17. Remote Controller RC-V100
18. GPS Receiver GP-E2
19. Shoulder Support Unit SU-15
20. Shoulder Style Grip Unit SG-1

V-mount Battery (third-party product)

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CINEMA EOS

Dealer Stamp

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