EOS C300 Mark III

A VERSATILE 4K SUPER 35MM CINEMA EOS SYSTEM CAMERA

Thanks to its technology and feature set, plus flexibility in usage and enhanced customisation options, C300 Mark III will appeal to broadcast and documentary film makers, as well as corporate video production and the rental sector.

- New 4K Super 35mm CMOS sensor for breath-taking image quality

- Super 35mm DGO (Dual Gain Output) Sensor generates HDR in real time

- High frame rates of up to 120fps in 4K

- Multiple recording formats support broadcast workflows

- Support for in-body Electronic IS

- Compact, lightweight and reliable

- Various mount and lens options
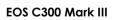
- Highly configurable and modular design

4K **DGO** Dual Gain Output **Cinema RAW Light**

XF-AVC **CF express B** **HDR**

PRODUCT RANGE

EOS C500 Mark II

EOS C300 Mark III

EOS C300 Mark II

EOS C700FF
EOS C700
EOS C500 Mark II
EOS C300 Mark III
EOS C300 Mark II
EOS C200
EOS C100 Mark II
EOS C70

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TECHNICAL SPECIFICATIONS

EOS C300 Mark III

CAMERA	
IMAGE SENSOR	
Sensor	Super 35mm CMOS sensor
System	RGB primary colour filter (Bayer array)
Sensor Modes	Super 35 mm / Super 16 mm (Crop)
Total Pixels	Approx. 9.6 megapixels (4206 x 2280)
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
Effective Sensor Screen Size	Super 35 mm; 26.2 x 13.8 mm (29.6 mm on the diagonal): When 4096 x 2160 or 2048 x 1080 is selected as the resolution 24.6 x 13.8 mm (28.2 mm on the diagonal): When 3840 x 2160 or 1920 x 1080 is selected as the resolution
Dynamic Range	Canon Log 2: 1600% / 16+ stops** Canon Log 3: 1600% / 14 stops** Wide DR: 800% (at ISO 400) **At ISO800/Dual Gain Output: On
IMAGE PROCESSOR	
Type	DIGIC DV7
LENS	
Lens Mount	Canon EF Mount. PL mount via PM-V1 Accessory. B4 mount via MO-4E/MO-4P adapters.
Lens Magnification factor (for EF Mount lenses, including Cinema Primes)	Super 35 mm; 4096 x 2160 (RAW), 4096 x 2160, or 2048 x 1080 resolution: Actual focal length x approx. 1.460 3840 x 2160 or 1920 x 1080 resolution: Actual focal length x approx. 1.534 Super 16 mm (Cropped); 2048 x 1080 resolution: Actual focal length x approx. 2.920 1920 x 1080 resolution: Actual focal length x approx. 3.069
Changeable Lens Mount	Yes, User changeable to EF with Cinema Lock or PL Mount
Peripheral illumination correction	YES (dependent on lens used)
ND filter	Up to 10 stops via built in ND filter system (in extended mode)
Focus control	EF Mount: Via lens, wireless control or wired remote (dependent on lens used) PL Mount: Only Cine Servo lenses
Iris control (EF mount lenses)	Via body, grip, wireless control or wired remote. 1/2-stop, 1/3-stop or FINE control. Possible to maintain constant F-number during zoom.
Cooke /i Technology Support	Yes, with Frame Sync support (PL Mount Only)
Anamorphic Lens Support	Yes, 2x / 1.8x / 1.3x
Image stabilization system	Optical depending on lens used, Digital 5-Axis IS for non IS lenses. Combination of Optical IS and Digital IS to give combined 5-Axis IS
RECORDING	
Internal Recording	CFexpress card x2 for Cinema RAW Light or XF-AVC/MXF, SD card for XF-AVC Proxy recording SD card also used for Photo Storage (1920 x 1080), CP setting transfer and firmware update,
Recording time (CFexpress card, 512GB) Approx.	Cinema RAW Light: 4096 X 2160: 1 Gbps: 64 Mins 2048 X 1080: 250 Mbps 256 Mins XF-AVC/MXF:4096 X 2160: 810 Mbps 79 Mins/410 Mbps 156 Mins 2048 X 2160: 310 Mbps 207 Mins/160 Mbps 401 Mins
Recording Formats	Cinema RAW Light (CRM), XF-AVC (MXF) ALL-I or Long GOP

System Frequency/ Frame Rates	59.94Hz mode (59.94P / 59.94i / 29.97P / 23.98P) 50.00Hz mode (50.00P / 50.00i / 25.00P) 24.00 Hz mode (24.00P)
Cinema RAW Light Bit Rate/Bit Depth (PAL)	4096 X 2160: 50.00P, 1 Gbps 10-bit/25.00P, 1 Gbps 12-bit 2048 X 1080: 50.00P, 250Mbps 10-bit/25.00P 250 Mbps 12-bit
XF-AVC Recording Bit Rate/ Sampling (PAL)	4096 X 2160/3840 X 2160: 50.00P YCC 4:2:2 10-BIT 810 Mbps/25.00P YCC 4:2:2 10-bit 410 Mbps 2048 X 1080/1920 X 1080: 50.00P YCC 4:2:2 10-BIT 310 Mbps/25.00P YCC 4:2:2 10-bit 160 Mbps
XF-AVC Proxy Recording Bit Rate/ Sampling (PAL) To SD Card	2048 X 1080: 50.00P, YCC 4:2:0 8-bit 35 Mbps/25.00P, YCC 4:2:0 8-bit 24 Mbps Long GOP
Slow/Fast motion	Yes, Cinema RAW Light 4096 x 2160: 12 – 120 FPS/ 2048x1080/ 12 -120 FPS XF-AVC: 4096 x 2160: 12 - 120 FPS/2048 x1080/ 1920x1080 (2K/ Super 16mm) 12 -180 FPS Proxy files recorded at same frame rate
Interval Record	No
Frame Record	No
Pre Record (cache record)	Yes, 3 seconds
Relay Recording	Yes
Double Slot (simultaneous) Recording	Yes
Scan Reverse	Yes
HD->SD conversion	No
Photo storage media	SD/SDHC memory card
Photo Recording Size	4096x2160/3840x2160/2048x1080/1920x1080
SYSTEM	
Wave Form Monitor	Yes. Via MON, SDI OUT, VIDEO or HDMI Terminals Line Display/Line and Spot/Line Select/Field Display/RGB Display/YPrPb. HDR PQ/HLG output supported.
False Colour Display (Exposure Indication)	Yes. Via MON, SDI OUT, VIDEO or HDMI Terminals
Colour Bars	SMPTE, EBU and ARIB colour bars available. See the menu.
Peaking	Peaking 1, Peaking 2 (Colour, Gain, Frequency customisable)
Zebra	Level 1; Level 2; Both Output via SDI or HDMI
Markers	On/Off selectable: centre, horizontal, grid, aspect, safety zone, and rectangular marker. Colour selectable, yellow, blue, green, red, black, grey or white.
EVF	
Built- In EVF	No
Optional EVF Accessory	Yes. OLED Electronic Viewfinder, EVF-V50 or EVF-V70
INPUTS/OUTPUTS	
Audio in	XLR 3-pin connector x2 , 3.5 mm stereo mini jack (input only) Input 1 and 2 on camera body. Additional 2x 3-Pin XLR on optional Expansion Unit EU-V2 (Input 3 and 4)
Headphone output	3.5 mm stereo mini jack (output only, Camera Body).
Video monitor output	MON: BNC jack 1 x 3G-SDI Out (output only, Camera Body).
HDMI	HDMI connector (type A) (output only, Camera Body).
USB	Yes, Input only, Camera Body. (GP-E2 connection)
SDI output	BNC jack 1 x 12G-SDI Out, 4K to 2K/FHD conversion available (output only, Camera Body)
Time code	BNC jack (input/output, Camera Body).
Genlock	Yes with optional Expansion Unit EU-V1 and EU-V2. BNC jack (input only/also serves as SYNC OUT connector)
Sync	BNC jack (output only/also serves as GENLOCK connector)
Component out	No
AV terminal	No

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TECHNICAL SPECIFICATIONS

EOS C300 Mark III

DC Output	Yes, with optional EU-V2. DC 24V 2A Fischer 3-pin jack (output only), D-Tap connection, 50W maximum
DC input	XLR 4-pin jack, 11.5 -20V
Remote Control Terminal	REMOTE A connector 2.5 mm stereo jack (input only) REMOTE B connector Round 8-pin jack (for RS-422) with optional EU-V1 or EU-V2
Wireless Control Terminal	Yes
Lens terminal	Yes, with optional EU-V2. 12-pin jack
Ethernet terminal	Yes, with optional EU-V1 and EU-V2. Ethernet connector (RJ45) (supports 1000 BASE-T)
IP Streaming & Control	Yes, via Ethernet/Wi-Fi connection. 9 Mbps/4 Mbps:1920 X 1080 (59.94p/59.94i/ 50.00p/50.00i) optional EU-V1 or EU-V2 required. Canon XC Protocol supported. Canon Browser Remote supported.
LUT Support	Yes, available for monitoring or applied directly to recordings. Compatible with .CUBE LUT files
Video connector	Canon's proprietary specification (special 13-pin jack) for LM-V2 Monitor or optional EVF-V70 viewfinder or LM-V1 monitor or

MISC.

Tally lamp	Yes
Custom Dial	Yes

SHOOTING FUNCTIONS
EXPOSURE

Exposure metering	Manual exposure determined by shutter setting, iris setting, ISO/gain setting and ND filter setting, Push Auto Iris, Auto Iris
Exposure compensation	Yes
Auto Exposure mode	Auto Iris with compatible lenses
Push Auto Iris	Yes EF model all compatible lenses, PL Version compatible Canon Cine Servo lenses only with 12-pin connection on optional EU-V2
Exposure Lock	No
Auto Gain Control setting	Yes
ISO Sensitivity	1-Stop Display: [100], 160(*), 200, 400, 800, 1600, 3200, 6400, 12800, 25600, [51200,102400] [---] Displayed when ISO speed expansion is ON. (*) Displayed when ISO speed expansion is OFF 1/3 Stop Display: [100,125], 160, 200, 250, 320, 400, 500, 640, 800, 1000, 1250, 1600, 2000, 2500, 3200, 4000, 5000, 6400, 8000, 10000, 12800, 16000, 20000, 25600, [32000,40000,51200,64000, 80000,102400] [---] When ISO speed expansion is ON.
Auto Focus System (EF Mount)	Dual Pixel CMOS AF, Contrast AF
AF Frame Sizes (EF Mount)	Large; size equivalent to approx. 20% (vertical) x 25% (horizontal) of the image display range Small; size equivalent to approx. 20% (vertical) x 8% (horizontal) of the image display range Selectable AF point over 80% (approx.) of sensor
Auto Focus Modes (EF Mount)	One-Shot AF, Continuous AF and AF-Boosted MF. All modes take effect when the AF/MF switch of the EF lens is at the AF setting. One-Shot AF, Continuous AF, AF-Boosted MF
Face Detection AF (EF Version Only)	Face Priority or Face Only.
Focus Guide	EF version: All compatible Canon EF lenses, Canon Cine Servo Lenses
Gain setting	[-6dB,-3dB], -2dB(*), 0dB, 3dB, 6dB, 9dB, 12dB, 15dB, 18dB, 21dB, 24dB, 27dB, 30dB, 33dB, 36dB, 39dB, 42dB, [45dB,48dB,51dB,54dB] [---] Displayed when ISO speed expansion is ON. (*) Displayed when ISO speed expansion is OFF. When ISO speed expansion is ON: between -2 dB and 54 dB When ISO speed expansion is OFF: Any value from -2 dB to 42 dB in 0.5 dB increments can be set.

SHUTTER

Control Modes	Off; Speed; Angle; Clear Scan (CS); Slow Shutter (SLS)
Shutter speed	1 sec to 1/2000 depending on frame rate and Shutter Control Mode, 39 setting options
Shutter Angle	11.25° to 360° depending on frame rate
Slow Shutter (SLS)	1/3, 1/4, 1/6, 1/8, 1/12, 1/15, 1/25, 1/30 depending on frame rate
Clear Scan	24.00 Hz* to 250.40 Hz (*) The frequency will differ depending on the frame rate setting.

CUSTOM PICTURE

Stored Configurations	C1: BT.709 (Wide DR / BT.709 Gamut) C2: LOG2 (Canon Log 2 / Cinema Gamut) C3: LOG3 (Canon Log3 / Cinema Gamut C4: PQ (PQ / BT.2020 Gamut) C5: HLG (HLG / BT.2020 Gamut) C6: BT.709 Standard (BT.709 Standard / BT.709) USER 7 to USER 20 (Wide DR / BT.709 Gamut)
Colour Matrix	Neutral: Accurate colour reproduction Production Camera: Colour reproduction for use in movie production Video: Colour reproduction equivalent to C300/500 CP-OFF (for commercial cameras)
Master Pedestal	-50 to +50
Master Black	Adjustable for each channel RGB -50 to +50 plus Master Black -50 to +50
Black Gamma	Adjustable Level -50 to +50, Range -20 to +50 and Point -20 to +50
Low Key Saturation	Adjustable: -50 to +50
Knee	Point -50 to +109, Slope -35 to +50, Saturation -10 to +10
Sharpness	Adjustment for Level, H Detail Freq., Coring, HV Detail Balance, Limit, Select, Knee Aperture and Level dependent sharpness
Noise reduction	Off, On (1 to 12)
Skin detail	Off, Low, Middle, High / Hue, Chroma, Area, Luminance. 32 steps
Selective Noise Reduction	Off, Low, Middle, High / Hue, Chroma, Area, Luminance.
Colour matrix	Phase, Gain and RGB adjustment, in tandem with Gamma selection
White balance	AWB, USER setting 01(setting range: 2000K to 15000K/-20CC to +20CC), daylight, tungsten, settings (A/B)
Colour correction	Area selection / area revision of two areas
Setup level	-50 to +50 On/Off

WI-FI & GPS SPECIFICATIONS

Wi-Fi (Optional Accessory)	1) WPS [Wi-Fi Protected Setup] (push-button system, PIN code system) (2) Manual setup (3) Search for access points Open system, WPA-PSK, WPA2-PSK, WEP-64, WEP-128, TKIP, AES, Auto /manual
GPS Information (Optional Accessory)	Latitude/Longitude/Elevation, Coordinated Universal Time (UTC)

WHITE BALANCE

Auto	YES,
Preset	Daylight (5400K), Tungsten (3200K), Kelvin (2000K-15000K, 100K intervals), Set A, Set B
White Balance Matching	Yes, for previous models
White Balance Shift	YES. -9 to +9 (Daylight and Tungsten only)

BLACK BALANCE

Black balance adjustment	YES

TIME CODE

Count up system	Regen, RecRun, Free Run, External, Hold (Drop frame available for some frame rates)
Start value setting	"00:00:00:00", Set/Reset selectable

AUDIO

Recording	Linear PCM (24-bit / 48kHz), 4 channels

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TECHNICAL SPECIFICATIONS

EOS C300 Mark III

ACCESSORIES

Supplied

Camera Grip GR-V1, Thumb rest, Mic holder unit
[w/ M4 screw], LCD Monitor LM-V2,
LCD Attachment Unit LA-V2, Handle unit,
Shoulder strap SS-1200, Battery Charger CG-A20,
Compact power adapter CA-CP200B,
AC cable, Battery pack (BP-A60),
Extension System Attachment Bracket,
Unit Cable UN-5,
Other: Stopper, Hex Wrenches (M4 and M3),
Hex Socket Head Bolt (1/4 in.),
Hex Socket Head Bolt (M3)

Optional

Canon Battery Pack BP-A30/BP-A60
(provided with camera)
Canon Battery Charger CG-A10/CG-A20
(provided with camera)
Canon Remote Controller RC-V100
Canon Compact Power Adapter CA-CP200B
(provided with camera)
Canon Shoulder Strap SS-1200
(provided with camera)
Canon Tripod base TB-1
Canon Wireless Transmitter WFT- E9*
Canon GPS Receiver GP-E2
Canon Unit Cable UN-5 (provided)/UN-10
(purchased separately)
Canon OLED Electronic View Finder EVF-V50/EVF-V70
Canon Extension unit 1: EU-V1
Canon Extension unit 2: EU-V2
Canon RC-IP100 PTZ Controller
Canon EF Cinema Lock Mount Kit CM-V1
Canon PL Mount Kit PM-V1
Canon B4 Mount Adapter MO-4E/MO-4P
Canon LCD Monitor LM-V2 (included)/LM-V1
Canon LCD Attachment Unit LA-V2 (included)/LA-V1
Canon Camera Grip GR-V1 (included)
Canon Shoulder Support Unit SU-15
Canon Shoulder Style Grip Unit SG-1
Canon Clamp Base CL-V2
Canon Rod Clamp RD-1
Canon Handle Unit HDU-2
Canon 8-pin Remote Cable RR-10/RR-100
Canon EF/EF cinema lens group,
Canon PL cinema lens group, and accessories
designed for these lenses

Third Party Accessories

V-Lock battery (via EU-V2 module)

MISCELLANEOUS

Dimensions (Main Body Only)

153x148x168mm (WxHxD)

Weight (Body Only)

Approx. 1,750g

Weight (accessories)

Extension unit 1: EU-V1: Approx.114 g
Extension unit 2: EU-V2: Approx. 652 g
OLED Electronic View Finder: EVF-V50: Approx.170 g
EF Cinema Lock Mount Kit CM-V1:
Approx. 170 g *Not including cap
PL Mount Kit PM-V1:
Approx. 345 g *Not including cap
MO-4E: Approx. 230 g MO-4P: Approx. 248 g
CFexpress card: Approx. 8 g (0.28 oz.)
Clamp Base: CL-V2:Approx. 120 g (4.2 oz.)

Operating Temperature range

Approx. 0 to 40°C, (85% relative humidity)
Approx. -5 to 45°C, (60% relative humidity)

Power Supply

BP-A60 (Supplied), BP-A30 (Optional) V-Lock
with EU-V2, 11.5V - 20V, Mains 4-pin XLR

Power Consumption

RAW:
Super 35mm 1Gbps 4096x2160, 31.0W
Super 16mm 250Mbps, 28.7W
XF-AVC:
Super 35mm 810Mbps 4096x2160, 31.0W
Super 16mm 310Mbps, 28.7W
Max. power consumption 63 W

Recording Time

RAW/XF-AVC
Super 35mm: 130 minutes
Super 16mm: 140 minutes
via BP-A60 battery

* All specifications are subject to change without notice

Footnotes

Canon is an authorized licensee of the CFexpress Ver.2.0™ trademark owned by
CompactFlash Association, which may be registered in various jurisdictions.

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Sales Start Date: June 2020

PRODUCT DETAILS:

Product Name	Mercury Code	EAN Code
EOS C300 Mark III(EU6)	3795C003AA	4549292143713

OPTIONAL ACCESSORIES:

Product Name	Mercury Code	EAN Code
PL Mount Kit PM-V1	3936C001AA	4549292155303
EF Cinema Lock Mount Kit CM-V1	3937C001AA	4549292155310
OLED Electronic View Finder EVF-V50	3938C001AA	4549292155327
Expansion Unit 1 EU-V1	3939C001AA	4549292155334
Expansion Unit 2 EU-V2	3940C001AA	4549292155341
LCD Monitor LM-V2	3941C001AA	4549292155358
LCD Attachment Unit LA-V2	3942C001AA	4549292155365

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MEASUREMENT / LOGISTIC INFORMATION:

Product Name	Mercury Code	Pack type	Pack description	Quantity per pack	Length (cm)	Width (cm)	Height (cm)	Gross Weight (kg)
EOS C300 Mark III(EU6)	3795C003AA	EA	Each	1	45.4	35.4	30.8	1.5695
		CT	Carton	2	46.7	36.7	32.8	3.14
		EP	Euro Pallet	24	120	80	113.4	47.7
			Layers per Pallet	3				
			Cartons per Layer	4				
			Products per layer	8				

What's in the box?

- EOS C300 Mark III Body
- LCD Monitor LM-V2
- LCD Attachment Unit LA-V2
- Unit Cable UN-5
- Camera Grip GR-V1
- Handle Unit
- Mic Holder Unit
- Battery Pack BP-A60

- Battery Charger CG-A20
- Compact Power Adapter CA-CP200B
- AC Power Cable
- Shoulder Strap SS-1200
- Extension System Attachment Bracket
- Thumb Rest
- Body Cap
- Allen wrenches and bolts

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