

EOS C400

REDEFINING VERSATILITY



The Canon EOS C400 redefines versatility – designed to excel in cinematic shooting, live broadcast, and virtual production.

- Full frame 6K BSI sensor
- Triple base ISO
- RF mount system
- Dual Pixel CMOS AF II
- 12-bit Cinema RAW Light LT / ST / HQ
- 4:2:2 10-bit XF-AVC / XF-AVC S / XF-HEVC S
- High Frame Rate Recording (8K 60 / 4K 120)
- Uncompromised Connectivity
- Adaptable in PL and EF Mount





Full frame 6K BSI sensor

Capture breathtaking footage with Canon's cutting-edge backside illuminated (BSI) sensor, delivering next-generation capabilities, triple base ISO (800 / 3200 / 12800), organic colour reproduction, and 16 stops of dynamic range.

Dual Pixel CMOS AF II with EOS iTR AF X

Enjoy updated, faster auto focus technology. Pin-sharp and ultra-responsive face, eye, head, body, and animal tracking covering the full sensor. Have full control with face-only recognition and customisable settings to help ensure your focus never slips.

Professional recording formats and high frame rates

Including 12-bit Cinema RAW Light LT / ST / HQ up to 6K 60P, and 4K 120P. Oversampled 4K 4:2:2 10-bit is available via XF-AVC and improved XF-AVC S / XF-HEVC S (MP4) formats, all featuring detailed metadata and filename structures.



RF mount

Rely on cutting-edge prime, zoom, and cinema lenses for unrivalled optical performance, real-time lens metadata, and ultra-responsive AF / IS systems. Easily use your PL and EF lenses with a Canon mount adapter.



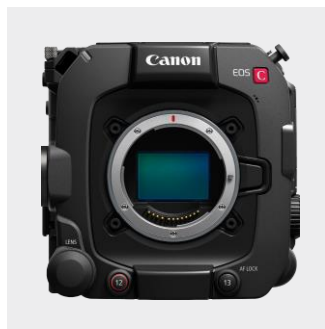
Uncompromised connectivity

On-body I/O including 12G-SDI, 3G-SDI, 2x mini-XLR, Mic In, Remote, Timecode, LENS, and Genlock / SYNC / Return. Built-in Wi-Fi / Ethernet enables real-time IP streaming (SRT / RTSP) and remote control via XC Protocol. Expandable with Canon's Multi-Function Shoe.

PRODUCT RANGE



EOS C500 Mk II



EOS C400



EOS C300 Mk III

IMAGE SENSOR

Sensor	Full Frame Back-Side Illuminated (BSI) CMOS sensor
System	RGB primary color filter (Bayer array)
Sensor Modes	Full Frame / Super 35mm (Crop) / Super 16mm (Crop)
Total Pixels	Approx. 26.67 megapixels (6202 x 4300)
Effective Pixels	Approx. 19.05 megapixels (6008 x 3170) : When 6000 x 3164 / 4096 x 2160 / 2048 x 1080 is selected as the resolution Approx. 17.86 megapixels (5633 x 3170) : When 3840 x 2160 / 1920 x 1080 is selected as the resolution
Effective Sensor Screen Size	Full Frame: 38.4 x 20.2 mm (40.7 mm on the diagonal) : When 6000 x 3164 / 4096 x 2160 / 2048 x 1080 is selected as the resolution 36.0 x 20.2 mm (38.7 mm on the diagonal) : When 3840 x 2160 / 1920 x 1080 is selected as the resolution
Dynamic Range	Canon Log 2 : 1600% / 16 stops (at ISO 800) Canon Log 3 : 1600% / 14 stops (at ISO 800) Base ISO : 800 / 3200 / 12800

IMAGE PROCESSOR

Type DIGIC DV7

LENS

Lens Mount	Canon RF mount PL mount support via PL-RF Mount Adapter EF mount support via EF-EOS R Mount Adapters
Lens Magnification Factor	Full Frame; 4096 x 2160 or 2048 x 1080 : Actual focal length x Approx. 1.06 3840 x 2160 or 1920 x 1080 : Actual focal length x Approx. 1.12 Super 35mm (Crop); 4096 x 2160 or 2048 x 1080 : Actual focal length x Approx. 1.46 3840 x 2160 or 1920 x 1080 : Actual focal length x Approx. 1.54 Super 16mm (Crop); 2048 x 1080 : Actual focal length x Approx. 2.92 1920 x 1080 : Actual focal length x Approx. 3.07

Digital Lens Correction

	Peripheral Illumination Correction Chromatic Aberration Correction Diffraction Correction Distortion Correction (RF lenses only)
ND Filter	2, 4 or 6 Stops. Up to 10 stops via built in ND filter system (in extended mode)
Iris Control (EF Mount Lenses)	1/2-stop, 1/3-stop or FINE control Auto Iris

Cooke/i Technology Support™

Anamorphic Lens Support Only when equipped with Mount Adapter PL-RF

Image Stabilization System

x2.0 / x1.8 / x1.3
5-Axis Combination IS (Optical and Digital) with supported lenses
Digital 5-Axis IS for non IS lenses.

RECORDING

Internal Recording Media¹

1x CFexpress 2.0 (Type-B)
1x SD Card (SD / SDHC / SDXC)

Recording Time²

Cinema RAW Light LT : 6000 x 3164 576 Mbps : approx. 118 Mins
Cinema RAW Light ST : 6000 x 3164 886 Mbps : approx. 77 Mins
Cinema RAW Light HQ : 6000 x 3164 1800 Mbps : approx. 37 Mins
XF-AVC : 4096 x 2160 500 Mbps : approx. 136 Mins
XF-AVC S : 4096 x 2160 500 Mbps : approx. 136 Mins
XF-HEVC S : 4096 x 2160 135 Mbps : approx. 505 Mins

Recording Formats

	Cinema RAW Light (CRM), XF-AVC (MXF), XF-AVC S (MP4), XF-HEVC S (MP4)
Relay Recording³	Yes
Double Slot (Simultaneous) Recording	Yes
Simultaneous Recording in Multiple Formats	Yes
System Frequency / Frame Rates	59.94 Hz mode (59.94P / 59.94i / 29.97P / 23.98P) 50.00 Hz mode (50.00P / 50.00i / 25.00P) 24.00 Hz mode (24.00P)

Cinema RAW Light Bit Rate / Bit Depth (PAL)

12-bit Cinema RAW Light LT :
FF / 6000 x 3164 / 50P [1160 Mbps]
FF / 6000 x 3164 / 25P [576 Mbps]
S35 / 4368 x 2304 / 50P [611 Mbps]
S35 / 4368 x 2304 / 25P [306 Mbps]
S16 / 2184 x 1152 / 50P [154 Mbps]
S16 / 2184 x 1152 / 25P [77 Mbps]

12-bit Cinema RAW Light ST :
FF / 6000 x 3164 / 50P [1780 Mbps]
FF / 6000 x 3164 / 25P [886 Mbps]
S35 / 4368 x 2304 / 50P [939 Mbps]
S35 / 4368 x 2304 / 25P [470 Mbps]
S16 / 2184 x 1152 / 50P [236 Mbps]
S16 / 2184 x 1152 / 25P [118 Mbps]

12-bit Cinema RAW Light HQ :
FF / 6000 x 3164 / 25P [1800 Mbps]
S35 / 4368 x 2304 / 50P [1910 Mbps]
S35 / 4368 x 2304 / 25P [954 Mbps]
S16 / 2184 x 1152 / 50P [479 Mbps]
S16 / 2184 x 1152 / 25P [240 Mbps]

XF-AVC Recording Bit Rate / Sampling (PAL / MXF)

4:2:2 10-bit (Intra-frame) :
4096 x 2160 or 3840 x 2160 / 50P [1000 / 750 / 500 Mbps]
4096 x 2160 or 3840 x 2160 / 25P [500 / 375 / 250 Mbps]
2048 x 1080 or 1920 x 1080 / 50P [250 Mbps]
2048 x 1080 or 1920 x 1080 / 50i [125 Mbps]
2048 x 1080 or 1920 x 1080 / 25P [125 Mbps]

4:2:2 10-bit (Long GOP) :
4096 x 2160 or 3840 x 2160 / 50P [250 Mbps]
4096 x 2160 or 3840 x 2160 / 25P [150 Mbps]
2048 x 1080 or 1920 x 1080 / 50P [50 Mbps]
2048 x 1080 or 1920 x 1080 / 50i [50 / 25 Mbps]
2048 x 1080 or 1920 x 1080 / 25P [50 Mbps]

XF-AVC S Recording Bit Rate / Sampling (PAL / MP4)

4:2:2 10-bit (Intra-frame) :
4096 x 2160 or 3840 x 2160 / 50P [1000 / 750 / 500 Mbps]
4096 x 2160 or 3840 x 2160 / 25P [500 / 375 / 250 Mbps]
2048 x 1080 or 1920 x 1080 / 50P [250 Mbps]
2048 x 1080 or 1920 x 1080 / 25P [125 Mbps]

4:2:2 10-bit (Long GOP) :
4096 x 2160 or 3840 x 2160 / 50P [250 Mbps]
4096 x 2160 or 3840 x 2160 / 25P [150 Mbps]
2048 x 1080 or 1920 x 1080 / 50P [50 Mbps]
2048 x 1080 or 1920 x 1080 / 25P [50 Mbps]

XF-HEVC S Recording Bit Rate / Sampling (PAL / MP4)

4:2:0 8-bit (Long GOP) :
4096 x 2160 or 3840 x 2160 / 50P [150 Mbps]
4096 x 2160 or 3840 x 2160 / 25P [100 Mbps]
2048 x 1080 or 1920 x 1080 / 50P [35 Mbps]
2048 x 1080 or 1920 x 1080 / 25P [35 Mbps]

4:2:0 10-bit (Long GOP) :
4096 x 2160 or 3840 x 2160 / 50P [225 Mbps]
4096 x 2160 or 3840 x 2160 / 25P [135 Mbps]
2048 x 1080 or 1920 x 1080 / 50P [50 Mbps]
2048 x 1080 or 1920 x 1080 / 25P [50 Mbps]

Proxy Recording Bit Rate / Sampling (PAL)⁴

4:2:0 8-bit (Long GOP) :
2048 x 1080 or 1920 x 1080 35 / 16 / 9 Mbps
1280 x 720 [6 Mbps]

Slow / Fast Motion⁵

4:2:0 10-bit (Long GOP) :
2048 x 1080 or 1920 x 1080 [16 / 9 Mbps]
6K RAW : up to 60FPS
4K : up to 120FPS
4.3K RAW (S35 Crop) : up to 100FPS
2K (S16 Crop) : up to 180 FPS

Interval Record	Yes	Default Function Button Settings	1. MAGN. 2. PEAKING 3. WFM 4. S&F 5. ISO / GAIN 6. SHUTTER 7. S&F FPS 8. AUDIO STATUS 9. WB 10. SET WB 11. FUNC 12. (unassigned) 13. AF LOCK
Frame Record	Yes		13x (Body) / 3x (Hand Grip) / 2x (LCD Monitor)
Pre Record (Cache Record)⁶	3 Seconds		
Digital Tele-converter	1.5x, 2x, 2.5x, 3x, Off		
Photo Storage Media	SD Card	User Assignable Buttons	
Photo Recording Size⁷	4096 x 2160 / 3840 x 2160 / 2048 x 1080 / 1920 x 1080		
SYSTEM			
Display Type	3.5 inch LCD Touch Panel	MISCELLANEOUS	
Display Resolution	approx. 2.76 million dots (1280 x RGB x 720)	Tally Lamp	Yes, 2x
Display Touch Screen Functions	Focus Point Selection Touch Screen UI for Shooting Settings	Custom Dial	Yes, 3x
OSD for Vertical Shooting	Yes	Software Application Support	Cinema RAW Development XF Utility EOS VR Utility Remote Camera Control Application RAW Plugin for Avid Media Access RAW Plugin for Final Cut Pro XF Plugin for Avid Media Access EOS VR Plugin for Adobe Premiere Pro CV Metadata Plugin for Adobe After Effects Live Link Plugin for Unreal Engine CV Metadata Extraction Tool MP4 Join Tool HEVC Activator Canon Multi-Camera Control Content Transfer Professional Browser Remote Control
Wave Form Monitor	Yes (Line / Line + Spot / RGB Parade / YPrPb Parade)		
False Colour Display (Exposure Indication)	Yes (6 Colour Index)		
Colour Bars	SMPTE / EBU / ARIB		
Peaking	Peaking 1, Peaking 2 (Colour, Gain, Frequency customisable)		
Zebra	Level 1; Level 2; Both		
Markers	On / Off selectable: centre, horizontal / vertical, grid, aspect, safe area and user marker. Colour selectable		
EVF			
Built-In EVF	No	Smartphone Application Support	
INPUTS / OUTPUTS			
Audio In	2x Mini XLR 3-pin connector 1x 3.5 mm stereo mini jack Built in Stereo microphones on camera body	EXPOSURE	
Headphone Output	1x 3.5mm stereo mini jack	Exposure Metering	Standard / Spotlight / Backlight
Video Monitor Output	1x 3G-SDI Output (BNC)	Exposure Compensation	AE shift function available. Target value (±8 steps from center)
HDMI	1x HDMI (Type-A)		Auto Iris / Auto ISO
USB	1x USB-C Data Terminal (USB 3.2 Gen1)	Auto Exposure Mode	Yes
SDI Output	1x 12G-SDI Output (BNC)	Push Auto Iris	No
Time Code	1x DIN1.0 / 2.3 (Input / Output)	Exposure Lock	Yes
Genlock	1x DIN1.0 / 2.3 (shared with Sync & Return)	Auto Gain Control Setting	1-Stop Display :
Sync	1x DIN1.0 / 2.3 (shared with Genlock & Return)	ISO Sensitivity⁸	100* / 160** / 200 / 400 / 800 / 1600 / 3200 / 6400 / 12800 / 25600 / 51200 / 102400*
DC Input	12V (4-pin XLR / 11.5-20V)		1/3-Stop Display :
Multi-Accessory Shoe	Yes (via camera body or top handle)	Auto Focus System	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*
Remote Control Terminal	1x 2.5 mm stereo mini jack	AF Frame Sizes	*when ISO Extended Range is set to ON **when ISO Extended Range is set to OFF Dual Pixel CMOS AF II + EOS iTR AF X
Lens Terminal	1x 12-pin jack		Full: approx. 100% (Vertical) x approx. 100% (Horizontal)
Ethernet Terminal	1x RJ45 Connector (1000BASE-T compatible)		Large Zone (Vertical) : Video display range approx. 97% (Vertical) x 25% (Horizontal)
Grip	1x USB-C Terminal (for supplied Hand Grip only)		Large Zone (Horizontal) : Video display range approx. 43% (Vertical) x 76% (Horizontal)
IP Streaming / FTP	IP Streaming via Ethernet / Wi-Fi connection 9 Mbps / 4 Mbps: 1920 x 1080 (59.94p / 59.94i / 50.00p / 50.00i) UDP / RTP / SRT / RTP+FEC / RTSP+RTP		Zone: Video display range approx. 43% (Vertical) x 25% (Horizontal)
User LUT Input	Yes, in-built LUTs available for monitoring. Custom LUTs can be applied directly to internal recordings via Look File function (compatible with 17 or 33 grid .cube files)		Small Zone : Video display range approx. 15.9% (Vertical) x 11.8% (Horizontal)
Video Connector	1x USB-C Terminal (for supplied LCD Monitor only)	Auto Focus Modes	Continuous AF / One-Shot AF
Tally Signal	Yes, via Wi-Fi or Ethernet using XC Protocol	Face Detection AF	Yes (Eye / Face / Head / Body)
Return Signal Input	1x DIN1.0/2.3 (shared with Genlock & Sync)	Animal Detection AF	Yes (Dogs / Cats)
		Focus Guide	Yes, with compatible Canon lenses
		Gain Setting⁹	-6dB*, -3dB*, -2dB**~48dB, 51dB*, 54dB* *when ISO Extended Range is set to ON **when ISO Extended Range is set to OFF

SHUTTER

Control Modes	Speed / Angle / Clear Scan / Slow Shutter
Shutter Speed	1/1 ~ 1/2000 (total of 45 settings)
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	23.97 Hz ~ 2000 Hz depending on sensor mode / frame rate

CUSTOM PICTURE

Stored Configurations	C1 : Canon 709 C2 : Canon Log 2 C3 : Canon Log 3 C4 : BT.709 Wide DR C5 : BT.709 Standard C6 : PQ C7 : HLG C8 : EOS Standard C9 : EOS Neutral C10 : User10 ~ User20
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HDR-HLG Profile

BT.2100 : Corresponds to ITU-R BT.2100
Vivid : Corresponds to Traditional Colour in ITU-R BT.2390

Colour Matrix

Neutral : Accurate colour reproduction
Production Camera : Colour reproduction for use in movie production
Video : Colour reproduction with contrast for TV broadcasts.

Image Adjustment Parameters

Master Pedestal
Master Black
Black Gamma
Low Key Saturation
Knee
Sharpness
Noise Reduction
Skin Detail
Colour Matrix Tuning
White Balance
Colour Correction

WI-FI & GPS SPECIFICATIONS

Wi-Fi (Optional Third Party Accessory)

In-built (2.4 / 5GHz bands)
Supporting 802.11a/b/g/n/ac

GPS Information (Optional Accessory)

Only when equipped with GP-E2 GPS Receiver)

WHITE BALANCE

Auto	Yes
Preset	Daylight (5600K), Tungsten (3200K), Kelvin (2000K-15000K, 100K intervals), Set A, Set B
White Balance Shift	-5 CC - +5 CC (Daylight / Tungsten) -20 CC - +20 CC (Kelvin)

TIME CODE

Count Up System	Regen / RecRun / Free Run / External / Frame Count
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AUDIO

Recording Format	RAW / XF-AVC : Linear PCM (24-bit / 48 kHz, 4 channels) XF-AVC S / XF-HEVC S : Linear PCM (24-bit / 48 kHz, 4 channels) or MPEG2-AAC LC (16-bit 48kHz) 2 channels
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ACCESSORIES

Supplied

LCD Monitor
LCD Attachment Unit
MC-5U Monitor Cable
Handle Unit
Camera Grip
BP-A60N Battery Pack
CA-CP300 B Compact Power Adapter
CG-A20 Battery Charger
Microphone Holder

Optional

BP-A60N / BP-A30N Battery Pack
BP-A30 / BP-A60 Battery Pack
CG-A20 / CG-A10 Battery Charger
CA-CP300 B Compact Power Adapter
MC-5U Monitor Cable
PL-RF Mount Adapter
EF-EOS R Mount Adapter
EF-EOS R Control Ring Mount Adapter
EF-EOS R Drop-In Filter Mount Adapter
EF-EOS R 0.71x Mount Adapter
Remote Camera Controller RC-V100
Remote Camera Controller RC-IP100
Remote Camera Controller RC-IP1000
DM-E1D Multi-Function Shoe Directional Stereo Microphone OC-E4A Off-Camera Shoe Cord
IFC-100U / IFC-400U Interface Cable
Tascam CA-XLR2d XLR Microphone Adapter

Third Party Accessories

POWER SOURCE

Power Supply (Battery)¹⁰

BP-A60N (Supplied)
BP-A30N / BP-A30* / BP-A60* (Optional)
DC IN 12V terminal : DC 11.5V - 20V (4-pin XLR)
Cinema RAW Light: FF / 6K / 59.94P - 32.5W
Cinema RAW Light: S35 / 4.3K / 59.94P - 30.4W
XF-AVC: FF / 4K / 59.94P - 31.6W
XF-AVC: FF / 2K / 59.94P - 29.7W

Power supply (Mains)

Power Consumption

Recording Time

With supplied BP-A60N battery pack:
Approx. 155 - 170mins (depending on recording mode)

PHYSICAL SPECIFICATIONS

Dimensions (Main Body Only)	Approx. 142 x 135 x 135 mm
Weight (Body Only)	Approx. 1540 g
Weight (Accessories)	LCD Monitor: Approx. 155g LCD Attachment Unit: 260g MC-5U Monitor Cable: Approx. 25g Handle Unit: Approx. 300g Camera Grip: Approx. 270 g BP-A60N Battery Pack: Approx. 465g CA-CP300 B Compact Power Adapter: Approx. 219g Battery Charger CG-A20: Approx. 145g Microphone Holder + 2 screws: Approx. 60g

Operating Temperature Range

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

Footnotes:

- [1] RAW Recording only available via CFexpress
- [2] Based on 25P recording on a 512GB card at maximum bitrate
- [3] Relay Recording not available during RAW or S&F Recording
- [4] Proxy recording available in XF-AVC, XF-AVC S and XF-HEVC S (depending on the main format selected). Not available in S&F mode above 60FPS
- [5] Dual Pixel CMOS AF unavailable when recording above 60FPS
- [6] Pre Record not available during RAW Recording
- [7] Depending on Sensor Mode and Format selected
- [8] Available when Base ISO is set to Automatic
- [9] Available when Base ISO is set to Automatic
- [10] Multi-Accessory Shoe power supply and communication via LENS terminal are unavailable when using original BP-A30 / BP-A60 batteries

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Sales Start Date: September 2024



Product details

Product Name	Mercury Code	EAN Code
EOS C400 GB	6388C008AA	8714574687247

Optional accessories

Accessory Name	Mercury Code	EAN Code
Power Supply		
BATTERY PACK BP-A30N	6663C001AA	4549292233445
BATTERY PACK BP-A60N	6664C001AA	4549292233452
MONITOR CABLE MC-5U	6712C001AA	4549292235647
MOUNT ADAPTER PL-RF	6890C001AA	4549292240856
CP ADAPTER CA-CP300B (GB)	6922C009AA	8714574687407

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Measurement / logistic information

Product Name	Mercury Code	Pack type	Pack description	Quantity per pack	Length (cm)	Width (cm)	Height (cm)	Net Weight (kg)	Gross Weight (kg)
EOS C400 GB	6388C008AA	EA	Each	1	38	28.8	22.6	3.9	4.8
		CT	Carton	2	TBD	TBD	TBD	TBD	TBD
		EP	Euro Pallet	24	120	80	TBD	TBD	TBD
			Layers per Pallet	TBD					
			Cartons per Layer	TBD					
			Products per Layer	TBD					

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What's in the box

EOS C400 EMEA

- EOS C400 EU BODY
- Camera Cover
- Measure Hook
- Camera Grip
- Microphone Holder Unit
- Screws for Microphone Holder Unit
- LCD Monitor
- LCD Attachment Unit
- Rod
- Handle Unit
- Hex Wrench (1/4 inch)
- Battery Charger CG-A20
- Compact Power Adapter CA-CP300B
- AC Cable EU
- BP-A60N Battery Pack
- MC-5U Monitor Cable
- Printed Matter Unit
- Packaging



Canon