

# 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

<b>Sensor</b>	Full Frame Back-Side Illuminated (BSI) CMOS sensor
<b>System</b>	RGB primary color filter (Bayer array)
<b>Sensor Modes</b>	Full Frame / Super 35mm (Crop) / Super 16mm (Crop)
<b>Total Pixels</b>	Approx. 26.67 megapixels (6202 x 4300)
<b>Effective Pixels</b>	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
<b>Effective Sensor Screen Size</b>	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
<b>Dynamic Range</b>	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

<b>Lens Mount</b>	Canon RF mount PL mount support via PL-RF Mount Adapter EF mount support via EF-EOS R Mount Adapters
<b>Lens Magnification Factor</b>	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)
<b>ND Filter</b>	2, 4 or 6 Stops. Up to 10 stops via built in ND filter system (in extended mode)
<b>Iris Control (EF Mount Lenses)</b>	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 Media<sup>1</sup>

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

### Recording Time<sup>2</sup>

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)
<b>Relay Recording<sup>3</sup></b>	Yes
<b>Double Slot (Simultaneous) Recording</b>	Yes
<b>Simultaneous Recording in Multiple Formats</b>	Yes
<b>System Frequency / Frame Rates</b>	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)

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

### Slow / Fast Motion<sup>5</sup>

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

<b>Interval Record</b>	Yes	<b>Default Function Button Settings</b>	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
<b>Frame Record</b>	Yes		
<b>Pre Record (Cache Record)<sup>6</sup></b>	3 Seconds		
<b>Digital Tele-converter</b>	1.5x, 2x, 2.5x, 3x, Off		
<b>Photo Storage Media</b>	SD Card		
<b>Photo Recording Size<sup>7</sup></b>	4096 x 2160 / 3840 x 2160 / 2048 x 1080 / 1920 x 1080		
<b>SYSTEM</b>			
<b>Display Type</b>	3.5 inch LCD Touch Panel	<b>User Assignable Buttons</b>	13x (Body) / 3x (Hand Grip) / 2x (LCD Monitor)
<b>Display Resolution</b>	approx. 2.76 million dots (1280 x RGB x 720)		
<b>Display Touch Screen Functions</b>	Focus Point Selection Touch Screen UI for Shooting Settings	<b>MISCELLANEOUS</b>	
<b>OSD for Vertical Shooting</b>	Yes	<b>Tally Lamp</b>	Yes, 2x
<b>Wave Form Monitor</b>	Yes (Line / Line + Spot / RGB Parade / YPrPb Parade)	<b>Custom Dial</b>	Yes, 3x
<b>False Colour Display (Exposure Indication)</b>	Yes (6 Colour Index)	<b>Software Application Support</b>	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
<b>Colour Bars</b>	SMPTE / EBU / ARIB		
<b>Peaking</b>	Peaking 1, Peaking 2 (Colour, Gain, Frequency customisable)		
<b>Zebra</b>	Level 1; Level 2; Both		
<b>Markers</b>	On / Off selectable: centre, horizontal / vertical, grid, aspect, safe area and user marker. Colour selectable	<b>Smartphone Application Support</b>	
<b>EVF</b>			
<b>Built-In EVF</b>	No		
<b>INPUTS / OUTPUTS</b>			
<b>Audio In</b>	2x Mini XLR 3-pin connector 1x 3.5 mm stereo mini jack Built in Stereo microphones on camera body	<b>EXPOSURE</b>	
<b>Headphone Output</b>	1x 3.5mm stereo mini jack	<b>Exposure Metering</b>	Standard / Spotlight / Backlight
<b>Video Monitor Output</b>	1x 3G-SDI Output (BNC)	<b>Exposure Compensation</b>	AE shift function available. Target value (±8 steps from center)
<b>HDMI</b>	1x HDMI (Type-A)		
<b>USB</b>	1x USB-C Data Terminal (USB 3.2 Gen1)	<b>Auto Exposure Mode</b>	Auto Iris / Auto ISO
<b>SDI Output</b>	1x 12G-SDI Output (BNC)	<b>Push Auto Iris</b>	Yes
<b>Time Code</b>	1x DIN1.0 / 2.3 (Input / Output)	<b>Exposure Lock</b>	No
<b>Genlock</b>	1x DIN1.0 / 2.3 (shared with Sync & Return)	<b>Auto Gain Control Setting</b>	Yes
<b>Sync</b>	1x DIN1.0 / 2.3 (shared with Genlock & Return)	<b>ISO Sensitivity<sup>8</sup></b>	1-Stop Display : 100* / 160** / 200 / 400 / 800 / 1600 / 3200 / 6400 / 12800 / 25600 / 51200 / 102400* 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*
<b>DC Input</b>	12V (4-pin XLR / 11.5-20V)		*when ISO Extended Range is set to ON **when ISO Extended Range is set to OFF
<b>Multi-Accessory Shoe</b>	Yes (via camera body or top handle)	<b>Auto Focus System</b>	Dual Pixel CMOS AF II + EOS iTR AF X
<b>Remote Control Terminal</b>	1x 2.5 mm stereo mini jack	<b>AF Frame Sizes</b>	Full: approx. 100% (Vertical) x approx. 100% (Horizontal) Large Zone (Vertical) : Video display range approx. 97% (Vertical) x 25% (Horizontal) Large Zone (Horizontal) : Video display range approx. 43% (Vertical) x 76% (Horizontal) Zone: Video display range approx. 43% (Vertical) x 25% (Horizontal) Small Zone : Video display range approx. 15.9% (Vertical) x 11.8% (Horizontal)
<b>Lens Terminal</b>	1x 12-pin jack		Continuous AF / One-Shot AF Yes (Eye / Face / Head / Body) Yes (Dogs / Cats)
<b>Ethernet Terminal</b>	1x RJ45 Connector (1000BASE-T compatible)	<b>Auto Focus Modes</b>	
<b>Grip</b>	1x USB-C Terminal (for supplied Hand Grip only)	<b>Face Detection AF</b>	
<b>IP Streaming / FTP</b>	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	<b>Animal Detection AF</b>	
<b>User LUT Input</b>	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)	<b>Focus Guide</b>	Yes, with compatible Canon lenses
<b>Video Connector</b>	1x USB-C Terminal (for supplied LCD Monitor only)	<b>Gain Setting<sup>9</sup></b>	-6dB*, -3dB*, -2dB**~48dB, 51dB*, 54dB*
<b>Tally Signal</b>	Yes, via Wi-Fi or Ethernet using XC Protocol		*when ISO Extended Range is set to ON **when ISO Extended Range is set to OFF
<b>Return Signal Input</b>	1x DIN1.0/2.3 (shared with Genlock & Sync)		

## SHUTTER

<b>Control Modes</b>	Speed / Angle / Clear Scan / Slow Shutter
<b>Shutter Speed</b>	1/1 ~ 1/2000 (total of 45 settings)
<b>Shutter Angle</b>	11.25° to 360° depending on frame rate
<b>Slow Shutter (SLS)</b>	1/3, 1/4, 1/6, 1/8, 1/12, 1/15, 1/25, 1/30 depending on frame rate
<b>Clear Scan</b>	23.97 Hz ~ 2000 Hz depending on sensor mode / frame rate

## CUSTOM PICTURE

<b>Stored Configurations</b>	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)**  
**GPS Information (Optional Accessory)**

In-built (2.4 / 5GHz bands)  
Supporting 802.11a/b/g/n/ac  
Only when equipped with GP-E2 GPS Receiver)

## WHITE BALANCE

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

## TIME CODE

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

## 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

## 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)<sup>10</sup>

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

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

## Recording Time

## PHYSICAL SPECIFICATIONS

### Dimensions (Main Body Only)

### Weight (Body Only)

### Weight (Accessories)

Approx. 142 x 135 x 135 mm

Approx. 1540 g

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

### Operating Temperature Range

**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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VERSATILITY**

# EOS C400

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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



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