

TECHNICAL SPECIFICATIONS

EOS C400

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
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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™	Only when equipped with Mount Adapter PL-RF
Anamorphic Lens Support	x2.0 / x1.8 / x1.3
Image Stabilization System	5-Axis Combination IS (Optical and Digital) with supported lenses Digital 5-Axis IS for non IS lenses.

RECORDING

Internal Recording Media ¹	1x CFexpress 2.0 (Type-B) 1x SD Card (SD / SDHC / SDXC)
Recording Time ²	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

Relay Recording ³
Double Slot (Simultaneous) Recording
Simultaneous Recording in Multiple Formats
System Frequency / Frame Rates

Cinema RAW Light Bit Rate / Bit Depth (PAL)

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

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

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

Proxy Recording Bit Rate / Sampling (PAL)⁴

Slow / Fast Motion⁵

Cinema RAW Light (CRM), XF-AVC (MXF), XF-AVC S (MP4), XF-HEVC S (MP4)
Yes
Yes
Yes
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) 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] 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] 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] 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] 4:2:2 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] 4:2:0 10-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 8-bit (Long GOP) : 2048 x 1080 or 1920 x 1080 35 / 16 / 9 Mbps] 1280 x 720 [6 Mbps] 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.
Frame Record	Yes		2. PEAKING
Pre Record (Cache Record) ⁶	3 Seconds		3. WFM
Digital Tele-converter	1.5x, 2x, 2.5x, 3x, Off		4. S&F
Photo Storage Media	SD Card		5. ISO / GAIN
Photo Recording Size ⁷	4096 x 2160 / 3840 x 2160 / 2048 x 1080 / 1920 x 1080		6. SHUTTER
			7. S&F FPS
			8. AUDIO STATUS
			9. WB
			10. SET WB
			11. FUNC
			12. (unassigned)
			13. AF LOCK
			13x (Body) / 3x (Hand Grip) / 2x (LCD Monitor)
SYSTEM		User Assignable Buttons	
Display Type	3.5 inch LCD Touch Panel		
Display Resolution	approx. 2.76 million dots (1280 x RGB x 720)		
Display Touch Screen Functions	Focus Point Selection Touch Screen UI for Shooting Settings	MISCELLANEOUS	
OSD for Vertical Shooting	Yes	Tally Lamp	Yes, 2x
Wave Form Monitor	Yes (Line / Line + Spot / RGB Parade / YPrPb Parade)	Custom Dial	Yes, 3x
		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
False Colour Display (Exposure Indication)	Yes (6 Colour Index)		
Colour Bars	SMPT E / 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		
		Smartphone Application Support	
EVF			
Built-In EVF	No		
INPUTS / OUTPUTS		EXPOSURE	
Audio In	2x Mini XLR 3-pin connector 1x 3.5 mm stereo mini jack Built in Stereo microphones on camera body	Exposure Metering	Standard / Spotlight / Backlight
Headphone Output	1x 3.5mm stereo mini jack	Exposure Compensation	AE shift function available. Target value (±8 steps from center)
Video Monitor Output	1x 3G-SDI Output (BNC)		Auto Iris / Auto ISO
HDMI	1x HDMI (Type-A)		Yes
USB	1x USB-C Data Terminal (USB 3.2 Gen1)		No
SDI Output	1x 12G-SDI Output (BNC)		Yes
Time Code	1x DIN1.0 / 2.3 (Input / Output)	Auto Exposure Mode	
Genlock	1x DIN1.0 / 2.3 (shared with Sync & Return)	Push Auto Iris	
Sync	1x DIN1.0 / 2.3 (shared with Genlock & Return)	Exposure Lock	
DC Input	12V (4-pin XLR / 11.5-20V)	Auto Gain Control Setting	
Multi-Accessory Shoe	Yes (via camera body or top handle)	ISO Sensitivity ⁸	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* *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 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) Continuous AF / One-Shot AF Yes (Eye / Face / Head / Body) Yes (Dogs / Cats) Yes, with compatible Canon lenses -6dB*, -3dB*, -2dB**~48dB, 51dB*, 54dB* *when ISO Extended Range is set to ON **when ISO Extended Range is set to OFF
Remote Control Terminal	1x 2.5 mm stereo mini jack		
Lens Terminal	1x 12-pin jack		
Ethernet Terminal	1x RJ45 Connector (1000BASE-T compatible)	Auto Focus System	
Grip	1x USB-C Terminal (for supplied Hand Grip only)	AF Frame Sizes	
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		
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)		
Video Connector	1x USB-C Terminal (for supplied LCD Monitor only)	Auto Focus Modes	
Tally Signal	Yes, via Wi-Fi or Ethernet using XC Protocol	Face Detection AF	
Return Signal Input	1x DIN1.0/2.3 (shared with Genlock & Sync)	Animal Detection AF	
		Focus Guide	
		Gain Setting ⁹	

Canon

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