Canon

EOS C400

Lens-Related Specifications	
Lens Mount	Canon RF mount
Lens	RF lens(including RF-S lens, RF cinema lens) EF lens (including EF lens, EF cinema lens (when equipped the RF-EF mount Adapter, sold separately) PL lens (when equipped the Mount Adapter PL-RF, sold separately)
Dual Pixel CMOS AF	Compatible lenses: All EF and RF lenses supported (Except lenses without actuators).
LENS Terminal	12 pin serial terminal
Supports /i Technology Cooke Communication Protocol	Only when equipped with Mount Adapter PL-RF.
Video Display Unit	
Type	Color wide LCD monitor
Screen Size	3.5 inch (diagonal 8.8 cm)
Number of Dots	Approx. 2.76 million dots (1280xRGBx720)
Field of View Coverage	100%
Adjustment Function	Brightness, Contrast, Color, Sharpness, Luminance
Touch Panel	Electrostatic capacitance system
Sensor	
Sensor	Full-Frame back-illuminated stacked CMOS sensor
Sensor Modes	Full-Frame, Super 35mm (Crop) , Super 16mm (Crop)
Total Pixels	Approx. 26.67 megapixels (6202x4300)
Number of Effective Pixels	- Sensor mode: Full-Frame Approx. 19.045 megapixels (6008x3170): When 6000x3164 / 4096x2160 / 2048x1080 is selected as the resolution. Approx. 17.857 megapixels (5633x3170): When 3840x2160 / 1920x1080 is selected as the resolution. - Sensor mode: Super 35mm (Crop) Approx. 10.109 megapixels (4376x2310): When 4368x2304 / 4096x2160 / 2048x1080 is selected as the resolution. Approx. 9.478 megapixels (4103x2310): When 3840x2160 / 1920x1080 is selected as the resolution. - Sensor mode: Super 16mm (Crop) Approx. 25.38 megapixels (2192x1158): When 2184x1152 / 2048x1080 is selected as the resolution. Approx. 2.38 megapixels (2055x1158): When 1920x1080 is selected as the resolution."
Unit Pixel	6.0 x 6.0 (µm)

Sensor (cont.)	
Effective Screen Size	Sensor mode: Full-Frame 36.0 x 19.0mm (40.7 mm on the diagonal) When 6000x3164 / 4096x2160 / 2048x1080 is selected as the resolution. 33.8 x 19.0mm (38.7 mm on the diagonal) When 3840x2160 / 1920x1080 is selected as the resolution. Sensor mode: Super 35mm (Crop) 26.2 x 13.8mm (29.6 mm on the diagonal) When 4368x2304 / 4096x2160 / 2048x1080 is selected as the resolution. 24.6 x 13.8 mm (28.2 mm on the diagonal) When 3840x2160 / 1920x1080 is selected as the resolution. Sensor mode: Super 16mm (Crop) 13.1 x 6.9mm (14.8 mm on the diagonal) When 2184x1152 / 2048x1080 is selected as the resolution. 12.3 x 6.9mm (14.1 mm on the diagonal) When 1920x1080 is selected as the resolution.
Filter	RGB primary color filter (Bayer array)
S/N	59.94 Hz mode: 67 dB (Typical) Full-Frame: 3840x2160 / 29.97P, BT.709 Standard 50.00 Hz mode: 67 dB (Typical) Full-Frame: 3840x2160 / 25.00P, BT.709 Standard
Dynamic Range	Canon Log 2: 1600% / 16 stops (at Base Sensitivity ISO 800) Canon Log 3: 1600% / 14 stops (at Base Sensitivity ISO 800)
Sensitivity	59.94 Hz: f/10 (59.94P) / f/14 (29.97P) 50.00 Hz: f/11 (50.00P) / f/16 (25.00P) All values for ISO 800,2000 lux, and reflectance rate of 89.9%. Some lens specifications may not enable these f-numbers.

Sensor Mode

Sensor Mode	Main Rec Format	Main Resolution
Full-Frame	RAW	6000x3164
	XF-AVC, XF-AVC S, XF-HEVC S	4096x2160, 3840x2160, 2048x1080, 1920x1080
Super 35mm (Crop)	RAW	4368x2304
	XF-AVC, XF-AVC S, XF-HEVC S	4096x2160, 3840x2160, 2048x1080, 1920x1080
Super 16mm (Crop)	RAW	2184x1152
	XF-AVC, XF-AVC S, XF-HEVC S	2048x1080, 1920x1080

Video Recording

Video Format	Recording/Video Compression Format	Audio
RAW	Cinema RAW Light (Canon original)	Linear PCM (24 bit 48kHz) 4 channels
XF-AVC	MPEG-4 AVC/H.264	
XF-AVC S	MPEG-4 AVC/H.264	MPEG2-AAC LC (16 bit 48kHz) 2 channels Linear PCM (24 bit 48kHz) 4 channels
XF- HEVC S	HEVC/H.265	

* The maximum shooting length of a single clip is 6 hours (other than RAW and Slow & Fast Motion Recording).

Photo Recording

- Standard: DCF, Exif Ver. 2.31 compliant
- Image type (compressed): JPEG
- Resolution:

Sensor Mode	Video Format	Main Resolution	Photo Resolution
Full-Frame	RAW	---	4096x2160
	XF-AVC, XF-AVC S / XF-HEVC S	4096x2160, 2048x1080	4096x2160
		3840x2160, 1920x1080	3840x2160
Super 35mm (Crop)	RAW	---	4096x2160
	XF-AVC, XF-AVC S / XF-HEVC S	4096x2160, 2048x1080	4096x2160
		3840x2160, 1920x1080	3840x2160
Super 16mm (Crop)	RAW	---	2048x1080
	XF-AVC, XF-AVC S / XF-HEVC S	2048x1080	2048x1080
		1920x1080	1920x1080

Amount of data for photo recording size
-4096x2160: Approx. 3280 KB
-3840x2160: Approx. 3080 KB
-2048x1080: Approx. 930 KB
-1920x1080: Approx. 880 KB

Canon

EOS C400

Movies / Photo and Media

Recording data	CFexpress Card	SD Card
Movie: RAW	●	--
Movie: XF-AVC, XF-AVC S, XF-HEVC S (CFexpress card may be used only by recording format, etc.)	●	●
Photo: JPEG	--	●

Media Overview

	SD Card	CFexpress Card
Number of slots	1	1
Type	SD, SDHC, SDXC	CFexpress 2.0 Type B
Speed class	Speed class: C6, C10 UHS speed class: U1,U3 Video speed class: V30, V60, V90	--
File system	SD card (~2GB) : FAT12,16 SDHC card (up to 32GB): FAT32 SDXC card (32GB to 2TB): exFAT File division units: FAT32 is 4GB, exFAT is none Maximum of 999 file divisions per clip (FAT32 only)	CFexpress: exFAT
Maximum number of clips per media	999	
Other	In addition to proxy recording and photos, recording of custom pictures, metadata, and menus, etc., is also possible.	

Recording Specifications

RAW Recording Media: CFexpress card only

Sensor Mode	Main Rec Format	Resolution	Color Depth	59.94Hz			50.00Hz		24.00Hz
				59.94P	29.97P	23.98P	50.00P	25.00P	24.00P
Full-Frame	RAW HQ	6000x3164	12-bit	--	2160 Mbps	1730 Mbps	--	1800 Mbps	1730 Mbps
	RAW ST			2130Mbps	1070 Mbps	850 Mbps	1780 Mbps	886 Mbps	850 Mbps
	RAW LT			1380Mbps	690 Mbps	552 Mbps	1160 Mbps	576 Mbps	553 Mbps
Super 35mm (Crop)	RAW HQ	4368x2304		2290Mbps	1150 Mbps	915 Mbps	1910 Mbps	954 Mbps	916 Mbps
	RAW ST			1130Mbps	563 Mbps	451 Mbps	939 Mbps	470 Mbps	451 Mbps
	RAW LT			732 Mbps	366 Mbps	293 Mbps	611 Mbps	306 Mbps	293 Mbps
Super 16mm (Crop)	RAW HQ	2184x1152		574 Mbps	287 Mbps	230 Mbps	479 Mbps	240 Mbps	230 Mbps
	RAW ST			283 Mbps	142 Mbps	113 Mbps	236 Mbps	118 Mbps	114 Mbps
	RAW LT			184 Mbps	92 Mbps	74 Mbps	154 Mbps	77 Mbps	74 Mbps

Recording Specifications

XF-AVC

Recording media:

-CFexpress card only:

-Frame rate: 59.94P, Main resolution: 4096x2160 / 3840x2160, Bit rate: 1200 Mbps / 900 Mbps

-Frame rate: 50.00P, Main resolution: 4096x2160 / 3840x2160, Bit rate: 1000 Mbps / 750 Mbps

-CFexpress card, SD card: All other than the above

Main Rec Format	Main Resolution/Bit Rate		System Frequency / Frame Rate							
			59.94Hz				50.00Hz			24.00Hz
			59.94P	59.94i	29.97P	23.98P	50.00P	50.00i	25.00P	24.00P
XF-AVC YCC422 10-bit	4096x2160 3840x2160	1200 Mbps Intra	●							
		1000 Mbps Intra					●			
		900 Mbps Intra	●							
		750 Mbps Intra					●			
		600Mbps Intra	●		●					
		500 Mbps Intra					●		●	
		480 Mbps Intra				●				●
		450 Mbps Intra			●					
		375 Mbps Intra							●	
		360 Mbps Intra				●				●
		300 Mbps Intra			●					
		250 Mbps Intra							•	
		240 Mbps Intra				●				●
		250 Mbps L.GOP	●				●			
		150 Mbps L.GOP			●	●			●	●
	2048x1080 1920x1080	300 Mbps Intra	●							
		250 Mbps Intra					●			
		150 Mbps Intra		●*	●					
		125 Mbps Intra						●*	●	
		120 Mbps Intra				●				●
		50 Mbps L.GOP	●	●*	●	●	●	●*	●	●
		25 Mbps L.GOP		●*				●*		

*1920x1080 Only

Recording Specifications

XF-AVC S

Recording media:

-CFexpress card only:

-Frame rate: 59.94P, Main resolution: 4096x2160 / 3840x2160, Bit rate: 1200 Mbps / 900 Mbps

-Frame rate: 50.00P, Main resolution: 4096x2160 / 3840x2160, Bit rate: 1000 Mbps / 750 Mbps

-CFexpress card, SD card: All other than the above

Main Rec Format	Main Resolution/Bit Rate		System Frequency / Frame Rate					
			59.94Hz			50.00Hz		24.00Hz
			59.94P	29.97P	23.98P	50.00P	25.00P	24.00P
XF-AVC S YCC422 10-bit	4096x2160 3840x2160	1200 Mbps Intra	●					
		1000 Mbps Intra				●		
		900 Mbps Intra	●					
		750 Mbps Intra				●		
		600Mbps Intra	●	●				
		500 Mbps Intra				●	●	
		480 Mbps Intra			●			●
		450 Mbps Intra		●				
		375 Mbps Intra					●	
		360 Mbps Intra			●			●
		300 Mbps Intra		●				
		250 Mbps Intra					●	
		240 Mbps Intra			●			●
		250 Mbps L.GOP	●			●		
		150 Mbps L.GOP		●	●		●	●
	2048x1080 1920x1080	300 Mbps Intra	●					
		250 Mbps Intra				●		
		150 Mbps Intra		●				
		125 Mbps Intra					●	
		120 Mbps Intra			●			●
		50 Mbps L.GOP	●	●	●	●	●	●
XF-AVC S YCC420 8-bit	4096x2160 3840x2160	150 Mbps L.GOP	●			●		
		100 Mbps L.GOP		●	●		●	●
	2048x1080 1920x1080	35 Mbps L.GOP	●	●	●	●	●	●

Recording Specifications

XF-HEVC S

Recording media: CFexpress card, SD card

Main Rec Format	Main Resolution/Bit Rate		System Frequency / Frame Rate					
			59.94Hz			50.00Hz		24.00Hz
			59.94P	29.97P	23.98P	50.00P	25.00P	24.00P
XF-HEVC S YCC422 10-bit	4096x2160 3840x2160	225 Mbps L.GOP	•			•		
		135 Mbps L.GOP		•	•		•	•
	2048x1080 1920x1080	50 Mbps L.GOP	•	•	•	•	•	•
XF-HEVC S YCC420 10-bit	4096x2160 3840x2160	150 Mbps L.GOP	•			•		
		100 Mbps L.GOP		•	•		•	•
	2048x1080 1920x1080	35 Mbps L.GOP	•	•	•	•	•	•

Recording Time

Primary Clip: CFexpress Card

Recording Format	Bit Rate	512 GB	Recording Format	Bit Rate	512 GB
RAW	2290 Mbps	27 min.	RAW	563 Mbps	112 min.
	2160 Mbps	29 min.		552 Mbps	114 min.
	2130 Mbps	29 min.		451 Mbps	139 min.
	1730 Mbps	36 min.		366 Mbps	171 min.
	1380 Mbps	46 min.		293 Mbps	213 min.
	1150 Mbps	55 min.		287 Mbps	216 min.
	1130 Mbps	56 min.		283 Mbps	216 min.
	1070 Mbps	59 min.		230 Mbps	269 min.
	915 Mbps	69 min.		184 Mbps	324 min.
	850 Mbps	74 min.		142 Mbps	424 min.
	732 Mbps	86 min.		113 Mbps	528 min.
	690 Mbps	91 min.		92 Mbps	633 min.
	574 Mbps	109 min.		74 Mbps	779 min.

Recording Time (cont.)
Primary Clip: CFexpress Card

Recording Format	Bit Rate	512 GB
XF-AVC	1200 Mbps	53 min.
	900 Mbps	70 min.
	600 Mbps	104 min.
	480 Mbps	131 min.
	450 Mbps	140 min.
	360 Mbps	174 min.
	300 Mbps	206 min.
	250 Mbps	245 min.
	240 Mbps	259 min.
	150 Mbps	406 min.
	120 Mbps	502 min.
	50 Mbps	1044 min.
	25 Mbps	1943 min.
XF-AVC S	1200 Mbps	53 min.
	900 Mbps	71 min.
	600 Mbps	106 min.
	480 Mbps	133 min.
	450 Mbps	142 min.
	360 Mbps	177 min.
	300 Mbps	212 min.
	250 Mbps	254 min.
	240 Mbps	266 min.
	150 Mbps	422 min.
	120 Mbps	530 min.
	100 Mbps	635 min.
	50 Mbps	1237 min.
	35 Mbps	1740 min.
XF-HEVC S	225 Mbps	282 min.
	150 Mbps	422 min.
	135 Mbps	471 min.
	100 Mbps	635 min.
	50 Mbps	1237 min.
	35 Mbps	1740 min.

Recording Time (cont.)
Primary Clip: SD Card

Recording Format	Bit Rate	512 GB	128 GB
XF-AVC	600 Mbps	105 min.	26 min.
	480 Mbps	131 min.	32 min.
	450 Mbps	140 min.	35 min.
	360 Mbps	174 min.	43 min.
	300 Mbps	206 min.	51 min.
	250 Mbps	245 min.	61 min.
	240 Mbps	259 min.	64 min.
	150 Mbps	406 min.	101 min.
	120 Mbps	502 min.	125 min.
	50 Mbps	1044 min.	261 min.
	25 Mbps	1943 min.	485 min.
XF-AVC S	600 Mbps	106 min.	26 min.
	480 Mbps	133 min.	33 min.
	450 Mbps	142 min.	35 min.
	360 Mbps	177 min.	44 min.
	300 Mbps	212 min.	53 min.
	250 Mbps	254 min.	63 min.
	240 Mbps	266 min.	66 min.
	150 Mbps	422 min.	105 min.
	120 Mbps	531 min.	132 min.
	100 Mbps	635 min.	158 min.
	50 Mbps	1237 min.	309 min.
	35 Mbps	1740 min.	435 min.
XF-HEVC S	225 Mbps	282 min.	70 min.
	150 Mbps	422 min.	105 min.
	135 Mbps	471 min.	117 min.
	100 Mbps	635 min.	158 min.
	50 Mbps	1237 min.	309 min.
	35 Mbps	1740 min.	435 min.

Available Options for Second Card Recording

Recording Mode	Second Card Recording					
	Off	**Proxy Rec**	Sub Rec	Audio Rec	Relay Recording*2	Double Slot Recording*2
Normal Recording	●	●	●	●	●	●
Slow & Fast Motion	●	●***1**	●*1			
S&F Clip / Audio (WAV)	●					
Pre- Recording*2	●	●	●		●	●
Frame Recording	●				●	●
Interval Recording	●				●	●
Continuous Recording*2*3	●					

*1 Only when the [Main Rec Format] is [RAW]. However, it is not available when the frame rate of Slow & Fast Motion recording greater than 60P.
*2 Not available when the [Main Rec Format] is [RAW].
*3 Not available when the [Main Rec Format] is [XF-AVC].

Slow and Fast Motion Recording

Frame rate	Available frame rate for Slow & Fast Motion Recording
59.94P	1, 2, 3, 6, 15, 30, 44, 48, 52, 56, 60, 90, 120, 150, 180
29.97P	1, 2, 3, 6, 15, 22, 24, 26, 28, 30, 32, 36, 40, 44, 48, 52, 56, 60, 90, 120, 150, 180
50.00P	1, 5, 15, 25, 34, 38, 42, 46, 50, 54, 58, 60, 75, 100, 120, 125, 150, 175, 180
25.00P	1, 5, 15, 17, 19, 21, 23, 25, 26, 28, 30, 34, 38, 42, 46, 50, 54, 58, 60, 75, 100, 120, 125, 150, 175, 180
23.98P, 24.00P	1, 2, 3, 6, 12, 16, 18, 20, 22, 24, 26, 28, 30, 32, 36, 40, 44, 48, 52, 56, 60, 72, 96, 120, 144, 168, 180

Slow and Fast Motion Recording (cont.)
Configurable Frame Rate (RAW)

Main Rec Format	Main Resolution	Bit rate	Frame Rate	Frame Rate for Slow and Fast Recording
RAW ST	6000x3164	2130	59.94	1~60
RAW LT		1380		
RAW HQ		2160	29.97	1~30
RAW ST		1070		1~60
RAW LT		690		
RAW ST		1780	50.00	1~60
RAW LT		1160		
RAW HQ		1800	25.00	1~30
RAW ST		886		1~60
RAW LT		576		
RAW HQ		1730	24.00 23.98	1~30
RAW ST		850		1~60
RAW LT		553*1		
RAW LT		552*2		
RAW HQ	4368x2304	2290	59.94	1~60
RAW ST		1130		1~100
RAW LT		732		
RAW HQ		1150	29.97	1~60
RAW ST		563		1~100
RAW LT		366		
RAW HQ		1910	50.00	1~60
RAW ST		939		1~100
RAW LT		611		
RAW HQ		954	25.00	1~60
RAW ST		470		1~100
RAW LT		306		

*1 Only when the framerate is 24.00
*2 Only when the framerate is 23.98

Slow and Fast Motion Recording (cont.)
Configurable Frame Rate (RAW)

Main Rec Format	Main Resolution	Bit rate	Frame Rate	Frame Rate for Slow and Fast Recording
RAW HQ	4368x2304	916*1	24.00 23.98	1~60
RAW HQ		915*2		
RAW ST		451		1~100
RAW LT		293		
RAW ST	4096x2160	993	59.94	120
RAW LT		645		
RAW ST		497	29.97	
RAW LT		323		
RAW ST		828	50.00	
RAW LT		538		
RAW ST		414	25.00	
RAW LT		269		
RAW ST		398	24.00	
RAW LT		259		
RAW ST		397	23.98	
RAW LT		258		
RAW HQ	2184x1152	574	59.94	1~180
RAW ST		283		
RAW LT		184		
RAW HQ		287	29.97	
RAW ST		142		
RAW LT		92		
RAW HQ		479	50.00	
RAW ST		236		
RAW LT		154		
RAW HQ		240	25.00	
RAW ST		118		
RAW LT		77		
RAW HQ		230	24.00 23.98	
RAW ST		114*1		
RAW ST		113*2		
RAW LT		74		

*1 Only when the framerate is 24.00
*2 Only when the framerate is 23.98

Slow and Fast Motion Recording (cont.) Configurable Frame Rate (XF-AVC)						
Main Rec Format	**Main Resolution**	**Compression Format**	**Recording Media**	**Frame Rate**	**Bit rate**	**Frame Rate for Slow and Fast Recording**
YCC422 10-bit	**4096x2160 3840x2160**	**Intra-frame**	**CFexpress**	59.94	1200	1~60
					900	1~120
					600	1~120
			SD		600	1~60
			CFexpress	29.97	600	1~60
					450	1~120
					300	1~120
			SD		600	1~30
					450	1~30
					300	1~60
			CFexpress	50.00	1000	1~60
					750	1~120
					500	1~120
			SD		500	1~60
			CFexpress	25.00	500	1~60
					375	1~120
					250	1~120
			SD		500	1~30
					375	1~30
					250	1~60
			CFexpress	24.00/23.98	480	1~60
					360	1~120
					240	1~120
			SD		480	1~30
					360	1~30
					240	1~60

Slow and Fast Motion Recording (cont.) Configurable Frame Rate (XF-AVC)						
Main Rec Format	**Main Resolution**	**Compression Format**	**Recording Media**	**Frame Rate**	**Bit rate**	**Frame Rate for Slow and Fast Recording**
YCC422 10-bit	**4096x2160 3840x2160**	**Long GOP**	**CFexpress, SD**	59.94	250	1~120
			CFexpress	29.97	150	1~120
			SD		150	120
					150	1~100
			CFexpress, SD	50.00	250	1~120
			CFexpress	25.00	150	1~120
			SD		150	1~100
					135	120
			CFexpress	24.00/23.98	150	1~120
			SD		150	1~100
					130	120
	2048x1080 1920x1080	**Intra-frame**	**CFexpress**	59.94	300	1~180
			SD			1~120
			CFexpress	29.97	150	1~180
			SD			1~120
			CFexpress	50.00	250	1~180
			SD			1~120
			CFexpress	25.00	125	1~180
			SD			1~120
			CFexpress	24.00/23.98	120	1~180
			SD			1~120
		Long GOP	**CFexpress SD**	59.94 50.00 29.97 25.00 24.00 23.98	50	1~180
Proxy Files						
YCC420 8 bit	2048x1080	**Long GOP**	**SD**	59.94 50.00 29.97 25.00 24.00 23.98	35	1~60

Slow and Fast Motion Recording (cont.) Configurable Frame Rate (XF-AVC S)						
Main Rec Format	**Main Resolution**	**Compression Format**	**Recording Media**	**Frame Rate**	**Bit rate**	**Frame Rate for Slow and Fast Recording**
YCC422 10-bit	**4096x2160 3840x2160**	**Intra-frame**	**CFexpress**	59.94	1200	1~60
					900	1~120
					600	1~120
			SD		600	1~60
			CFexpress	29.97	600	1~60
					450	1~120
					300	1~120
			SD		600	1~30
					450	1~30
					300	1~60
			CFexpress	50.00	1000	1~60
					750	1~120
					500	1~120
			SD		500	1~60
			CFexpress	25.00	500	1~60
					375	1~120
					250	1~120
			SD		500	1~30
					375	1~30
					250	1~60
			CFexpress	24.00/23.98	480	1~60
					360	1~120
					240	1~120
			SD		480	1~30
					360	1~30
					240	1~60

Slow and Fast Motion Recording (cont.) Configurable Frame Rate (XF-AVC S)						
Main Rec Format	**Main Resolution**	**Compression Format**	**Recording Media**	**Frame Rate**	**Bit rate**	**Frame Rate for Slow and Fast Recording**
YCC422 10-bit	**4096x2160 3840x2160**	**Long GOP**	**CFexpress, SD**	59.94	250	1~120
			CFexpress	29.97	150	1~120
			SD		150	120
					150	1~100
			CFexpress, SD	50.00	250	1~120
			CFexpress	25.00	150	1~120
			SD		150	1~100
					135	120
			CFexpress	24.00/23.98	150	1~120
			SD		150	1~100
					130	120
	2048x1080 1920x1080	**Intra-frame**	**CFexpress**	59.94	300	1~180
			SD			1~120
			CFexpress	29.97	150	1~180
			SD			1~120
			CFexpress	50.00	250	1~180
			SD			1~120
			CFexpress	25.00	125	1~180
			SD			1~120
			CFexpress	24.00/23.98	120	1~180
			SD			1~120
		Long GOP	**CFexpress, SD**	59.94/50.00/29.97 25.00/24.00/23.98	50	1~180
YCC420 8-bit	4096x2160 3840x2160	**Long GOP**	**CFexpress, SD**	59.94/50.00	150	1~180
				29.97/24.00/23.98	100	
	2048x1080 1920x1080			59.94/50.00/29.97 25.00/24.00/23.98	35	
Proxy Files						
YCC420 8 bit	2048x1080	**Long GOP**	**SD**	59.94/50.00/29.97 25.00/24.00/23.98	35	1~60

Slow and Fast Motion Recording (cont.)
Configurable Frame Rate (XF-HEVC S)

Main Rec Format	Main Resolution	Compression Format	Recording Media	Frame Rate	Bit rate	Frame Rate for Slow and Fast Recording
YCC422 10-bit	4096x2160 3840x2160	Long GOP	CFexpress, SD	59.94	225	1~120
				29.97	135	1~120
				50.00	225	1~120
				25.00	135	1~120
				24.00/23.98	135	1~120
			SD		135	1~100
					130	120
	2048x1080 1920x1080		CFexpress, SD	59.94/50.00/29.97 25.00/24.00/23.98	50	1~180
YCC420 10-bit	4096x2160 3840x2160			59.94/50.00	150	1~120
				29.97/25.00 24.00/23.98	100	1~120
	2048x1080 1920x1080			59.94/50.00/29.97 25.00/24.00/23.98	35	1~180
Proxy Files						
YCC420 8 bit	2048x1080	Long GOP	SD	59.94 50.00 29.97 25.00 24.00 23.98	35	1~60

- When the "Sensor Mode" is "Super 35 mm (Crop)" and the "Frame Rate" is 120P, the angle of view becomes slightly narrow regardless of the "Main Recording Format" and "Main Resolution" settings.
- When the frame rate of the Slow & Fast Motion Recording is greater than 60P, the following functions are not available:

a) 2 Slot recording function (Proxy video recording, Sub recording)
b) Auto Focus and subject detection
c) CV protocol

-When " S&F Clip / Audio (WAV)" is selected, frame rate greater than 60P cannot be set for Slow & Fast Motion Recording.

Proxy Clips

Configurable combinations as follows
The frame rate is the same as the main video.

Main Video			Proxy Clips								
			Main Rec Format	XF-AVC			XF-AVC S			XF-HEVC S		
			Resolution	2048 x1080	1920 x1080		2048 x1080	1920 x1080	1280 x720	2048 x1080	1920 x1080	1280 x720
			Scanning Method	P	P	i	P			P		
			Color	YCC420			YCC420			YCC420		
			Sampling	8-bit			8-bit			10-bit		8-bit
			Bit Rate	35Mbps			16Mbps, 9Mbps		6Mbps	16Mbps, 9Mbps		6Mbps
Main Rec Format	Resolution	Scanning Method										
RAW	6000x3164	--		●	-	-	●	-	-	●	-	-
	4368x2304 *2											
	2184x1152											
XF-AVC	4096x2160	P		●	-	-	●	-	-	-	-	-
	2048x1080											
	3840x2160	P		-	●	-	-	●	●	-	-	-
	1920x1080											
	1920x1080	i		-	●*1	●*1	-	●	●	-	-	-
XF-AVC S	4096x2160	P		-	-	-	●	-	-	-	-	-
	2048x1080											
	3840x2160	P		-	-	-	-	●	●	-	-	-
	1920x1080											
XF-HEVC S	4096x2160	P		-	-	-	-	-	-	●	-	-
	2048x1080											
	3840x2160	P		-	-	-	-	-	-	-	●	●
	1920x1080											

*1 If the bit rate of the proxy clip is higher than the main video, the bit rate of the proxy clip cannot be selected.
*2 During slow & fast motion recording, the main resolution when the frame rate is [120P] will be [4096x2160].

Combining Recording Formats

			Sub					
			RAW	XF-AVC	XF-AVC S		XF-HEVC S	
					YCC422 10-bit	YCC420 8-bit	YCC422 10-bit	YCC420 10-bit
Main	RAW	—	—	•	•	•	•	•
	XF-AVC	YCC422 10-bit		•	•	•	—	—
	XF-AVC S	YCC422 10-bit		—	•	•	—	—
		YCC420 8-bit		—	—	•	—	—
	XF-HEVC S	YCC422 10-bit		—	—	—	•	•
		YCC420 10-bit		—	—	—	—	•

Primary Clips: RAW

During slow & fast motion recording when [Sensor Mode] is set to [Super 35mm (Cropped)], the main resolution when the frame rate is [120P] will be [4096x2160].

Sub clips: XF-AVC,XF-AVC S (XF-AVC S YCC422 10-bit)

Primary Clips				Sub Clips
Frame Rate	**Main Recording Format**	**Resolution**	**Bit Rate**	**Resolution / Bit Rate**
59.94P/50P	**ST** **LT**	6000x3164	2130Mbps/1780Mbps	4096x2160 600Mbps/500Mbps Intra 250Mbps L.GOP 2048x1080 300Mbps/250Mbps Intra 50Mbps L.GOP
			1380Mbps/1160Mbps	
29.97P/25P **24P/23.98P**	**HQ** **ST**		2160Mbps/1800Mbps/ 1730Mbps/1730Mbps	4096x2160 600Mbps/500Mbps/480Mbps/480Mbps Intra 450Mbps/375Mbps/360Mbps/360Mbps
			1070Mbps/886Mbps/ 850Mbps/850Mbps	
	LT		690Mbps/576Mbps/ 553Mbps/552Mbps	Intra 300Mbps/250Mbps/240Mbps/240Mbps Intra 150Mbps L.GOP 2048x1080 150Mbps/125Mbps/120Mbps/120Mbps Intra 50Mbps L.GOP
59.94P/50P	**HQ** **ST** **LT**	4368x2304	2290Mbps/1910Mbps	4096x2160 600Mbps/500Mbps Intra 250Mbps L.GOP 2048x1080 300Mbps/250Mbps Intra 50Mbps L.GOP
			1130Mbps/939Mbps	
			732Mbps/611Mbps	
29.97P/25P **24P/23.98P**	**HQ** **ST** **LT**		1150Mbps/954Mbps/ 916Mbps/915Mbps	4096x2160 600Mbps/500Mbps/480Mbps/480Mbps Intra 450Mbps/375Mbps/360Mbps/360Mbps Intra 300Mbps/250Mbps/240Mbps/240Mbps Intra 150Mbps L.GOP 2048x1080 150Mbps/125Mbps/120Mbps/120Mbps Intra 50Mbps L.GOP
			563Mbps/470Mbps/ 451Mbps/451Mbps	
			366Mbps/306Mbps/ 293Mbps/293Mbps	
59.94P/50P	**HQ** **ST** **LT**	2184x1152	574Mbps/479Mbps	2048x1080 300Mbps/250Mbps Intra 50Mbps L.GOP
			283Mbps/236Mbps	
			184Mbps/154Mbps	
29.97P/25P **24P/23.98P**	**HQ** **ST** **LT**		287Mbps/240Mbps/ 230Mbps/230Mbps	2048x1080 150Mbps/125Mbps/120Mbps/120Mbps Intra 50Mbps L.GOP
			142Mbps/118Mbps/ 114Mbps/113Mbps	
			92Mbps/77Mbps/ 74Mbps/74Mbps	

Sub Clips: XF-AVC S (XF-AVC S YCC420 8-bit)

Primary Clips				Sub Clips
Frame Rate	**Main Recording Format**	**Resolution**	**Bit Rate**	**Resolution / Bit Rate**
59.94P/50P	ST	6000x3164	2130Mbps/1780Mbps	4096x2160 150Mbps L.GOP 2048x1080 35Mbps L.GOP
	LT		1380Mbps/1160Mbps	
29.97P/25P 24P/23.98P	HQ		2160Mbps/1800Mbps/ 1730Mbps/1730Mbps	4096x2160 100Mbps L.GOP 2048x1080 35Mbps L.GOP
	ST		1070Mbps/886Mbps/ 850Mbps/850Mbps	
	LT		690Mbps/576Mbps/ 553Mbps/552Mbps	
59.94P/50P	HQ	4368x2304	2290Mbps/1910Mbps	4096x2160 150Mbps L.GOP 2048x1080 35Mbps L.GOP
	ST		1130Mbps/939Mbps	
	LT		732Mbps/611Mbps	
29.97P/25P 24P/23.98P	HQ		1150Mbps/954Mbps/ 916Mbps/915Mbps	4096x2160 100Mbps L.GOP 2048x1080 35Mbps L.GOP
	ST		563Mbps/470Mbps/ 451Mbps/451Mbps	
	LT		366Mbps/306Mbps/ 293Mbps/293Mbps	
59.94P/50P	HQ	2184x1152	574Mbps/479Mbps	2048x1080 35Mbps L.GOP
	ST		283Mbps/236Mbps	
	LT		184Mbps/154Mbps	
29.97P/25P 24P/23.98P	HQ		287Mbps/240Mbps/ 230Mbps/230Mbps	2048x1080 35Mbps L.GOP
	ST		142Mbps/118Mbps/ 114Mbps/113Mbps	
	LT		92Mbps/77Mbps/ 74Mbps/74Mbps	

Sub Clips: XF-HEVC S (XF-HEVC S YCC422 10-bit)

Primary Clips				Sub Clips
Frame Rate	**Main Recording Format**	**Resolution**	**Bit Rate**	**Resolution / Bit Rate**
59.94P/50P	ST	6000x3164	2130Mbps/1780Mbps	4096x2160 225Mbps L.GOP 2048x1080 50Mbps L.GOP
	LT		1380Mbps/1160Mbps	
29.97P/25P 24P/23.98P	HQ		2160Mbps/1800Mbps/ 1730Mbps/1730Mbps	4096x2160 135Mbps L.GOP 2048x1080 50Mbps L.GOP
	ST		1070Mbps/886Mbps/ 850Mbps/850Mbps	
	LT		690Mbps/576Mbps/ 553Mbps/552Mbps	
59.94P/50P	HQ	4368x2304	2290Mbps/1910Mbps	4096x2160 225Mbps L.GOP 2048x1080 50Mbps L.GOP
	ST		1130Mbps/939Mbps	
	LT		732Mbps/611Mbps	
29.97P/25P 24P/23.98P	HQ		1150Mbps/954Mbps/ 916Mbps/915Mbps	4096x2160 135Mbps L.GOP 2048x1080 50Mbps L.GOP
	ST		563Mbps/470Mbps/ 451Mbps/451Mbps	
	LT		366Mbps/306Mbps/ 293Mbps/293Mbps	
59.94P/50P	HQ	2184x1152	574Mbps/479Mbps	2048x1080 50Mbps L.GOP
	ST		283Mbps/236Mbps	
	LT		184Mbps/154Mbps	
29.97P/25P 24P/23.98P	HQ		287Mbps/240Mbps/ 230Mbps/230Mbps	2048x1080 50Mbps L.GOP
	ST		142Mbps/118Mbps/ 114Mbps/113Mbps	
	LT		92Mbps/77Mbps/ 74Mbps/74Mbps	

Sub Clips: XF-HEVC S (XF-HEVC S YCC420 10-bit)				
Primary Clips				Sub Clips
Frame Rate	Main Recording Format	Resolution	Bit Rate	Resolution / Bit Rate
59.94P/50P	ST LT	6000x3164	2130Mbps/1780Mbps	4096x2160 150Mbps L.GOP 2048x1080 35Mbps L.GOP
			1380Mbps/1160Mbps	
29.97P/25P 24P/23.98P	HQ ST LT		2160Mbps/1800Mbps/ 1730Mbps/1730Mbps	4096x2160 100Mbps L.GOP 2048x1080 35Mbps L.GOP
			1070Mbps/886Mbps/ 850Mbps/850Mbps	
			690Mbps/576Mbps/ 553Mbps/552Mbps	
59.94P/50P	HQ ST LT	4368x2304	2290Mbps/1910Mbps	4096x2160 150Mbps L.GOP 2048x1080 35Mbps L.GOP
			1130Mbps/939Mbps	
			732Mbps/611Mbps	
29.97P/25P 24P/23.98P	HQ ST LT		1150Mbps/954Mbps/ 916Mbps/915Mbps	4096x2160 100Mbps L.GOP 2048x1080 35Mbps L.GOP
			563Mbps/470Mbps/ 451Mbps/451Mbps	
			366Mbps/306Mbps/ 293Mbps/293Mbps	
59.94P/50P	HQ ST LT	2184x1152	574Mbps/479Mbps	2048x1080 35Mbps L.GOP
			283Mbps/236Mbps	
			184Mbps/154Mbps	
29.97P/25P 24P/23.98P	HQ ST LT		287Mbps/240Mbps/ 230Mbps/230Mbps	2048x1080 35Mbps L.GOP
			142Mbps/118Mbps/ 114Mbps/113Mbps	
			92Mbps/77Mbps/ 74Mbps/74Mbps	

Primary Clips: XF-AVC
Sub Clips: XF-AVC

Primary Clips				Sub Clips
Frame Rate	**Resolution**	**Bit Rate**		**Resolution / Bit Rate**
59.94P/50P	4096x2160	1200/1000	Intra	2048x1080 300Mbps/250Mbps Intra
		900/750		
		600/500		
		250/250	L. GOP	2048x1080 50Mbps L.GOP
29.97P/25P 24P/23.98P		600/500/480/480	Intra	4096x2160 150Mbps L.GOP 2048x1080 150Mbps/125Mbps/120Mbps/120Mbps Intra 50Mbps L.GOP
		450/375/360/360		
		300/250/240/240		
		150/150/150/150	L. GOP	2048x1080 50Mbps L.GOP
59.94P/50P	3840x2160	1200/1000	Intra	1920x1080 300Mbps/250Mbps Intra 50Mbps L.GOP *In the case of 59.94i/50.00i 150/125Mbps Intra 50Mbps L.GOP 25Mbps L.GOP
		900/750		
		600/500		
		250/250	L. GOP	1920x1080 50Mbps L.GOP *In the case of 59.94i/50.00i 50Mbps L.GOP 25Mbps L.GOP
29.97P/25P 24P/23.98P		600/500/480/480	Intra	3840x2160 150Mbps L.GOP 1920x1080 150Mbps/125Mbps/120Mbps/120Mbps Intra 50Mbps L.GOP
		450/375/360/360		
		300/250/240/240		
		150/150/150/150	L. GOP	1920x1080 50Mbps L.GOP
59.94P/50P	2048x1080	300/250	Intra	2048x1080 50Mbps L.GOP
		50/50	L. GOP	—
		150/125/120/120	Intra	2048x1080 50Mbps L.GOP
		50/50/50/50	L. GOP	—
29.97P/25P 24P/23.98P	1920x1080	300/250	Intra	1920x1080 50Mbps L.GOP
		50/50	L. GOP	—
		150/125/120/120	Intra	1920x1080 50Mbps L.GOP
		50/50/50/50	L. GOP	—
59.94i/50i		150/125	Intra	1920x1080 50Mbps/25Mbps L.GOP
		50/50	L. GOP	—
		25/25	L. GOP	—

Sub Clips: XF-AVC S (XF-AVC S YCC422 10-bit)				
Primary Clips				Sub Clips
Frame Rate	Resolution	Bit Rate		Resolution / Bit Rate
59.94P/50P	4096x2160	1200/1000	Intra	2048x1080 300Mbps/250Mbps Intra 50Mbps L.GOP
		900/750		
		600/500		
		250/250	L. GOP	2048x1080 50Mbps L.GOP
29.97P/25P 24P/23.98P		600/500/480/480	Intra	4096x2160 600Mbps/500Mbps/480Mbps/480Mbps Intra 450Mbps/375Mbps/360Mbps/360Mbps Intra 300Mbps/250Mbps/240Mbps/240Mbps Intra 150Mbps L.GOP 2048x1080 150Mbps/125Mbps/120Mbps/120Mbps Intra 50Mbps L.GOP
		450/375/360/360		4096x2160 450Mbps/375Mbps/360Mbps/360Mbps Intra 300Mbps/250Mbps/240Mbps/240Mbps Intra 150Mbps L.GOP 2048x1080 150Mbps/125Mbps/120Mbps/120Mbps Intra 50Mbps L.GOP
		300/250/240/240		4096x2160 300Mbps/250Mbps/240Mbps/240Mbps Intra 150Mbps L.GOP 2048x1080 150Mbps/125Mbps/120Mbps/120Mbps Intra 50Mbps L.GOP
		150/150/150/150	L. GOP	4096x2160 150Mbps L.GOP 2048x1080 50Mbps L.GOP
59.94P/50P	3840x2160	1200/1000	Intra	1920x1080 350Mbps/250Mbps Intra 50Mbps L.GOP
		900/750		
		600/500		
		250/250	L. GOP	1920x1080 50Mbps L.GOP
29.97P/25P 24P/23.98P		600/500/480/480	Intra	3840x2160 600Mbps/500Mbps/480Mbps/480Mbps Intra 450Mbps/375Mbps/360Mbps/360Mbps Intra 300Mbps/250Mbps/240Mbps/240Mbps Intra 150Mbps L.GOP 1920x1080 150Mbps/125Mbps/120Mbps/120Mbps Intra 50Mbps L.GOP
		450/375/360/360		3840x2160 450Mbps/375Mbps/360Mbps/360Mbps Intra 300Mbps/250Mbps/240Mbps/240Mbps Intra 150Mbps L.GOP 1920x1080 150Mbps/125Mbps/120Mbps/120Mbps Intra 50Mbps L.GOP
		300/250/240/240		3840x2160 300Mbps/250Mbps/240Mbps/240Mbps Intra 150Mbps L.GOP 1920x1080 150Mbps/125Mbps/120Mbps/120Mbps Intra 50Mbps L.GOP
		150/150/150/150	L. GOP	3840x2160 150Mbps L.GOP 1920x1080 50Mbps L.GOP
59.94P/50P	2048x1080	300/250	Intra	2048x1080 300Mbps/250Mbps Intra 50Mbps L.GOP
		50/50	L. GOP	2048x1080 50Mbps L.GOP
		150/125/120/120	Intra	2048x1080 150Mbps/125Mbps/120Mbps/120Mbps Intra 50Mbps L.GOP
		50/50/50/50	L. GOP	2048x1080 50Mbps L.GOP
29.97P/25P 24P/23.98P	1920x1080	300/250	Intra	1920x1080 300Mbps/250Mbp Intra 50Mbps L.GOP
		50/50	L. GOP	1920x1080 50Mbps L.GOP
		150/125/120/120	Intra	1920x1080 150Mbps/125Mbps/120Mbps/120Mbps Intra 50Mbps L.GOP
		50/50/50/50	L. GOP	1920x1080 50Mbps L.GOP

Sub Clips: XF-AVC S (XF-AVC S YCC420 8-bit)				
Primary Clips				Sub Clips
Frame Rate	Resolution	Bit Rate		Resolution / Bit Rate
59.94P/50P	4096x2160	1200/1000	Intra	2048x1080 35Mbps L.GOP
		900/750		
		600/500		
		250/250	L. GOP	
29.97P/25P 24P/23.98P		600/500/480/480	Intra	4096x2160 100Mbps L.GOP 2048x1080 35Mbps L.GOP
		450/375/360/360		
		300/250/240/240		
		150/150/150/150	L. GOP	
59.94P/50P	3840x2160	1200/1000	Intra	1920x1080 35Mbps L.GOP
		900/750		
		600/500		
		250/250	L. GOP	
29.97P/25P 24P/23.98P		600/500/480/480	Intra	3840x2160 100Mbps L.GOP 1920x1080 35Mbps L.GOP
		450/375/360/360		
		300/250/240/240		
		150/150/150/150	L. GOP	
59.94P/50P	2048x1080	300/250	Intra	2048x1080 35Mbps L.GOP
		50/50	L. GOP	
		150/125/120/120	Intra	
		50/50/50/50	L. GOP	2048x1080 35Mbps L.GOP
29.97P/25P 24P/23.98P	1920x1080	300/250	Intra	1920x1080 35Mbps L.GOP
		50/50	L. GOP	
		150/125/120/120	Intra	1920x1080 35Mbps L.GOP
		50/50/50/50	L. GOP	

Primary clips: XF-AVC S (YCC422 10-bit)
Sub Clips: XF-AVC S (XF-AVC YCC422 10-bit)

Primary Clips				Sub Clips
Frame Rate	**Resolution**	**Bit Rate**		**Resolution / Bit Rate**
59.94P/50P	4096x2160	1200/1000	Intra	2048x1080 300Mbps/250Mbps Intra 50Mbps L.GOP
		900/750		
		600/500		
		250/250	L. GOP	2048x1080 50Mbps L.GOP
29.97P/25P 24P/23.98P		600/500/480/480	Intra	4096x2160 150Mbps L.GOP 2048x1080 150Mbps/125Mbps/120Mbps/120Mbps Intra 50Mbps L.GOP
		450/375/360/360		
		300/250/240/240		
		150/150/150/150	L. GOP	2048x1080 50Mbps L.GOP
59.94P/50P	3840x2160	1200/1000	Intra	1920x1080 300Mbps/250Mbps Intra 50Mbps L.GOP
		900/750		
		600/500		
		250/250	L. GOP	1920x1080 50Mbps L.GOP
29.97P/25P 24P/23.98P		600/500/480/480	Intra	3840x2160 150Mbps L.GOP 1920x1080 150Mbps/125Mbps/120Mbps/120Mbps Intra 50Mbps L.GOP
		450/375/360/360		
		300/250/240/240		
		150/150/150/150	L. GOP	1920x1080 50Mbps L.GOP
59.94P/50P	2048x1080	300/250	Intra	2048x1080 50Mbps L.GOP
		50/50	L. GOP	—
		150/125/120/120	Intra	2048x1080 50Mbps L.GOP
		50/50/50/50	L. GOP	—
29.97P/25P 24P/23.98P	1920x1080	300/250	Intra	1920x1080 50Mbps L.GOP
		50/50	L. GOP	—
		150/125/120/120	Intra	1920x1080 50Mbps L.GOP
		50/50/50/50	L. GOP	—

Sub Clips: XF-AVC S (XF-AVC YCC420 8-bit)				
Primary Clips				Sub Clips
Frame Rate	Resolution	Bit Rate		Resolution / Bit Rate
59.94P/50P	4096x2160	1200/1000	Intra	2048x1080 35Mbps L.GOP
		900/750		
		600/500		
		250/250	L. GOP	
29.97P/25P 24P/23.98P		600/500/480/480	Intra	4096x2160 100Mbps L.GOP 2048x1080 35Mbps L.GOP
		450/375/360/360		
		300/250/240/240		
		150/150/150/150	L. GOP	
59.94P/50P	3840x2160	1200/1000	Intra	1920x1080 35Mbps L.GOP
		900/750		
		600/500		
		250/250	L. GOP	
29.97P/25P 24P/23.98P		600/500/480/480	Intra	3840x2160 100Mbps L.GOP 1920x1080 35Mbps L.GOP
		450/375/360/360		
		300/250/240/240		
		150/150/150/150	L. GOP	
59.94P/50P	2048x1080	300/250	Intra	2048x1080 35Mbps L.GOP
		50/50	L. GOP	
		150/125/120/120	Intra	2048x1080 35Mbps L.GOP
		50/50/50/50	L. GOP	
29.97P/25P 24P/23.98P	1920x1080	300/250	Intra	1920x1080 35Mbps L.GOP
		50/50	L. GOP	
		150/125/120/120	Intra	1920x1080 35Mbps L.GOP
		50/50/50/50	L. GOP	

Primary Clips: XF-AVC S (YCC420 8-bit)
Sub Clips: XF-AVC S (YCC420 8-bit)

Primary Clips				Sub Clips
Frame Rate	**Resolution**	**Bit Rate**		**Resolution / Bit Rate**
59.94P/50P	4096x2160	150/150	L. GOP	2048x1080 35Mbps L.GOP
29.97P/25P 24P/23.98P		100/100/100/100		2048x1080 35Mbps L.GOP
59.94P/50P	3840x2160	150/150		1920x1080 35Mbps L.GOP
29.97P/25P 24P/23.98P		100/100/100/100		1920x1080 35Mbps L.GOP
59.94P/50P	2048x1080	35/35		—
29.97P/25P 24P/23.98P		35/35/35/35		—
59.94P/50P	1920x1080	35/35		—
29.97P/25P 24P/23.98P		35/35/35/35		—

Primary Clips: XF-HEVC S (YCC422 10-bit)
Sub Clips: XF-HEVC S (YCC422 10-bit)

Primary Clips				Sub Clips
Frame Rate	**Resolution**	**Bit Rate**		**Resolution / Bit Rate**
59.94P/50P	4096x2160	225/225	L. GOP	2048x1080 50Mbps L.GOP
29.97P/25P 24P/23.98P		135/135/135/135		2048x1080 50Mbps L.GOP
59.94P/50P	3840x2160	225/225		1920x1080 50Mbps L.GOP
29.97P/25P 24P/23.98P		135/135/135/135		1920x1080 50Mbps L.GOP
59.94P/50P	2048x1080	50/50		—
29.97P/25P 24P/23.98P		50/50/50/50		—
59.94P/50P	1920x1080	50/50		—
29.97P/25P 24P/23.98P		50/50/50/50		—

Sub Clips: XF-HEVC S (YCC420 10 bit)

Primary Clips				Sub Clips
Frame Rate	**Resolution**	**Bit Rate**		**Resolution / Bit Rate**
59.94P/50P	4096x2160	225/225	L. GOP	2048x1080 35Mbps L.GOP
29.97P/25P 24P/23.98P		135/135/135/135		4096x2160 100Mbps L.GOP 2048x1080 35Mbps L.GOP
59.94P/50P	3840x2160	225/225		1920x1080 35Mbps L.GOP
29.97P/25P 24P/23.98P		135/135/135/135		3840x2160 100Mbps L.GOP 1920x1080 35Mbps L.GOP
59.94P/50P	2048x1080	50/50		2048x1080 35Mbps L.GOP
29.97P/25P 24P/23.98P		50/50/50/50		2048x1080 35Mbps L.GOP
59.94P/50P	1920x1080	50/50		1920x1080 35Mbps L.GOP
29.97P/25P 24P/23.98P		50/50/50/50		1920x1080 35Mbps L.GOP

Primary Clips: XF-HEVC S (YCC420 10-bit)
Sub Clips: XF-HEVC S (YCC420 10-bit)

Primary Clips				Sub Clips
Frame Rate	**Resolution**	**Bit Rate**		**Resolution / Bit Rate**
59.94P/50P	4096x2160	150/150		2048x1080 35Mbps L.GOP
29.97P/25P 24P/23.98P		100/100/100/100		2048x1080 35Mbps L.GOP
59.94P/50P	3840x2160	150/150		1920x1080 35Mbps L.GOP
29.97P/25P 24P/23.98P		100/100/100/100		1920x1080 35Mbps L.GOP
59.94P/50P	2048x1080	35/35		—
29.97P/25P 24P/23.98P		35/35/35/35		—
59.94P/50P	1920x1080	35/35		—
29.97P/25P 24P/23.98P		35/35/35/35		—

Exposure	
Exposure control	Exposure control methods are as follows. Manual: Manual setting using shutter, iris, ISO/Gain, and ND filter. Push Auto Iris: While the Push Auto Iris button is pressed, the aperture is controlled to achieve proper exposure. If deviation from the proper exposure occurs, it takes control again. Auto Iris: Constantly adjusts automatically for proper exposure using iris. Auto ISO/Gain: Constantly adjusts automatically for proper exposure using ISO/Gain. Other: AE Response can be changed in the menu. Auto ISO/Gain can be used in combination with Auto Iris or Push Auto Iris.
Metering system	Standard (center-weighted metering) Spotlight Backlight *If [EOS Standard] or [EOS Neutral] is selected in [CP File Selection], the setting value will be grayed out and cannot be selected as photometry is performed in the same way as the EOS R series. Editing the CP File (Gamma adjustment, registering another LUT as a Look File), makes it selectable.
Exposure compensation	An AE shift function is provided. The target value (±8 steps from center) for the brightness can be set. The values are indicated as exposure values (EV). Correction can be set in 0.25 increments from ±0 to ±2.0. Shutter setting: Off, Speed, Angle, Clear Scan, or Slow can be selected as the display format.
59.94 Hz / 24.00Hz	
Off (s)	When the 59.94(i/P) frame rate has been set: 1/60 When the 29.97P frame rate has been set: 1/30 When the 24.00P/23.98P frame rate has been set: 1/24 When Slow & Fast motion is set to [On] and shutter mode is set to [Off], storage time corresponds to 1/Slow & Fast frame rate.
Speed(s)	1/3 stop display: 1/1~1/2000 (total of 34 settings) 1/4 stop display: 1/1~1/2000 (total of 47 settings) Depends on the frame rate setting.
Angle (°)	360.00, 240.00, 180.00, 120.00, 90.00, 60.00, 45.00, 30.00, 22.50, 15.00, 11.25 Also, angle values equivalent to 1/100 s, 1/50 s, 3/100 s, 1/25 s, 1/120 s, 1/60 s, 1/40 s, and 1/30 s are selectable within the minimum angle range from 360°.
Clear scan (Hz)	23.97 Hz - 1971 Hz The frequency can be set with the minimum configurable resolution within the above range, depending on the sensor mode and frame rate.
Slow (s)	When the 59.94 (i/P) frame rate has been set: 1/4, 1/8, 1/15, 1/30 When the 29.97P frame rate has been set: 1/4, 1/8, 1/15 When the 23.98P/24.00P frame rate has been set: 1/3, 1/6, 1/12
50.00Hz	
Off (s)	When the 50.00 (i/P) frame rate has been set: 1/50 When the 25.00P frame rate has been set: 1/25 When Slow & Fast motion is set to [On] and shutter mode is set to [Off], storage time corresponds to 1/Slow & Fast frame rate.
Speed(s)	1/3 stop display: 1/1~1/2000 (total of 34 settings) 1/4 stop display: 1/1~1/2000 (total of 45 settings)
Angle (°)	Same as for 59.94 / 24.00 Hz.
Clear scan (Hz)	23.97 Hz - 1971 Hz The frequency can be set with the minimum configurable resolution within the above range, depending on the sensor mode and frame rate.
Slow (s)	When the 50.00 (i/P) frame rate has been set: 1/3, 1/6, 1/12, 1/25 When the 25.00P frame rate has been set: 1/3, 1/6, 1/12

<table>
<tr><th colspan="4">Exposure (cont.)</th></tr>
<tr><td>Auto Clear Scan Setting</td><td colspan="3">When flicker occurs while shooting under a light source with high- speed flickering, [Auto Clear Scan Setting] can be used to detect the frequency of lights sources within the range of 50.0 Hz to 2011.2 Hz, display the shutter speed according to the flicker speed, and allows shooting with minimized flicker.
Detection accuracy may decrease under the following conditions
- Repeating patterns (e.g.: lattice/grid patterns, striped patterns, etc.)
- A moving subject that does not stay still
- Extreme brightness or darkness
- Multiple light sources on the screen
- The flickering comes from a small light source
- When the flickering comes from a small light source
- Low subject illuminance</td></tr>
<tr><td>Iris Settings</td><td colspan="3">Iris settings function is provided for RF lens, RF Cinema lens, EF lens, EF Cinema lens and PL lens.
1/2 stop, 1/3 stop, or fine display can be selected. Which numerical values can be displayed depends on the lens specifications.
Step 1/2: 0.7 / 0.8 / 1.0 / 1.2 / 1.4 / 1.8 / 2.0 / 2.5 / 2.8 / 3.5 / 4.0/ 4.5 / 5.6 / 6.7 / 8.0 / 9.5 / 11 / 13 / 16 / 19 / 22 / 27 / 32 / 38 / 45 / 54 / 64 / 76 / 91 / closed
Step 1/3: 0.7 / 0.8 / 0.9 / 1.0 / 1.1 / 1.2 / 1.4 / 1.6 / 1.8 / 2.0 / 2.2 / 2.5 / 2.8 / 3.2 / 3.5 / 4.0 / 4.5 / 5.0 / 5.6 / 6.3 / 7.1/ 8.0 / 9.0 / 10 / 11 / 13 / 14 / 16 / 18 / 20 / 22 / 25 / 29 / 32 / 36 / 40 / 45 / 51 / 57 / 64 / 72 / 81 / 91 / closed
Fine: The smallest iris increment allowed by the lens attached.</td></tr>
<tr><td>Zoom-linked f Number Compensation</td><td colspan="3">When using a lens whose f-number changes as zooming is performed, select [On] on the menu for exercising control to change the iris diameter so that the f-number will be kept constant in tandem with the zooming; alternatively, select [Off] for not exercising this control. When [On] is selected, the f-number remains constant, but the iris drive will make a sound, and the sound of this operation may be recorded.

Also, luminance may change due to the iris drive. When [Off] is selected, the f-number changes as zooming is performed, but there is no sound of the iris operation, and neither is the luminance changed by the iris drive.</td></tr>
<tr><td>Base ISO</td><td colspan="3">The reference sensitivity (lowest ISO sensitivity to ensure maximum dynamic range) can be switched according to the shooting scene. It has four modes: a low sensitivity setting mode for standard shooting, a high sensitivity setting mode for low-light shooting, an ultra-high sensitivity setting mode for shooting in even lower light than high sensitivity setting mode, and an automatic switching mode to automatically switch reference sensitivity. In addition, when in automatic switching mode, it switches to an appropriate reference sensitivity according to the ISO sensitivity/Gain value, and widens the range of the configurable ISO sensitivity/Gain value. The reference sensitivity value depends on the CP Gamma and the presence or absence of RAW recording/output.
<table>
<tr><th rowspan="2">CP Gamma</th><th colspan="2">Base ISO Settings Value</th></tr>
<tr><th>When Selecting ISO</th><th>When Selecting Gain</th></tr>
<tr><td>Canon Log 2
Canon Log 3
(Also applies for RAW recording format)</td><td>Automatic Switching
Base ISO 800
Base ISO 3200
Base ISO 12800</td><td>Automatic Switching
Base ISO 800 (12 dB)
Base ISO 3200 (12 dB)
Base ISO 12800 (12 dB)</td></tr>
<tr><td>PQ
HLG
Canon 709
BT.709 Wide DR</td><td>Automatic Switching
Base ISO 400
Base ISO 1600
Base ISO 6400</td><td>Automatic Switching Base ISO 400 (6 dB)
Base ISO 1600 (6 dB)
Base ISO 6400 (6 dB)</td></tr>
<tr><td>BT.709 Standard</td><td>Automatic Switching
Base 160
Base 640
Base 2500</td><td>Automatic Switching
Base ISO 160 (-2 dB)
Base ISO 640 (-2 dB)
Base ISO 2500 (-2 dB)</td></tr>
</table></td></tr>
</table>

Exposure (cont.)

ISO Sensitivity **1 stop display** ***1: when [ISO/Gain Extended Range] is [On]** ***2: when [ISO/Gain Extended Range] is [Off]**	Base ISO automatic switching: 100*1, 160*2, 200, 400, 800, 1600, 3200, 6400, 12800, 25600, 51200*1, 102400*1 Base ISO 160, Base ISO 400, Base ISO 800: 100*1, 160*2, 200, 400, 800, 1600, 3200, 6400, 12800*1 Base ISO 640, Base ISO 1600, Base ISO 3200: 400*1, 640*2, 800, 1600, 3200, 6400, 12800, 25600, 51200*1 Base ISO2500, Base ISO6400, Base ISO12800: 1600*1, 25002, 3200, 6400, 12800, 25600, 51200*1, 102400*1
1/3 stop display ***1: when [ISO/Gain Extended Range] is [On]**	Base ISO automatic switching: 100*1, 125*1, 160, 200, 250, 320, 400, 500, 640, 800, 1000, 1250, 1600, 2000, 2500, 3200, 4000, 5000, 6400, 8000, 10000, 12800, 16000, 20000, 25600, 32000*1, 40000*1, 51200*1, 64000*1, 80000*1, 102400*1 Base ISO 160/400/800: 100*1, 125*1, 160, 200, 250, 320, 400, 500, 640, 800, 1000, 1250, 1600, 2000, 2500, 3200, 4000, 5000, 6400, 8000*1, 10000*1, 12800*1 Base ISO 640/1600/3200: 400*1, 500*1, 640, 800, 1000, 1250, 1600, 2000, 2500, 3200, 4000, 5000, 6400, 8000, 10000, 12800, 16000, 20000, 25600, 32000*1, 40000*1, 51200*1 Base ISO2500/6400/12800: 1600*1, 2000*1, 2500, 3200, 4000, 5000, 6400, 8000, 10000, 12800, 16000, 20000, 25600, 32000*1, 40000*1, 51200*1, 64000*1, 80000*1, 102400*1
Gain (dB) **Normal** ***1: when [ISO/Gain Extended Range] is [On]** ***2: when [ISO/Gain Extended Range] is [Off]**	Base ISO automatic switching: -6 dB*1, -3 dB*1, -2 dB*2 to 4842 dB, 45 dB*1, 48 dB*1, 51 dB*1, 54 dB*1 Base ISO 160/400/640/800/1600/3200: -6 dB*1, -3 dB*1, -2 dB*2 to 30 dB, 33 dB*1, 36 dB*1 Base ISO 2500/6400/12800: -6 dB*1, -3 dB*1, -2 dB*2 to 2418 dB, 21 dB*1, 24 dB*1, 27 dB*1, 30 dB*1
Fine	Base ISO automatic switching: [ISO/Gain Extended Range] is [On]: Between -2 dB to 54 dB, can be set in 0.5 dB increments. [ISO/Gain Extended Range] is [Off]: Between -2 dB to 4842 dB, can be set in 0.5 dB increments. Base ISO 160/400/640/800/1600/3200 [ISO/Gain Extended Range] is [On]: Between -2 dB to 36 dB, can be set in 0.5 dB increments. [ISO/Gain Extended Range] is [Off]: Between -2 dB to 30 dB, can be set in 0.5 dB increments. the Base ISO 2500/6400/12800 [ISO/Gain Extended Range] is [On]: Between -2 dB to 30 dB, can be set in 0.5 dB increments. [ISO/Gain Extended Range] is [Off]: Between -2 dB to 2418 dB, can be set in 0.5 dB increments.
ND Filter	Pressing the button inserts the built-in ND filter by electric motor, and the density is toggled by 0 Stops→2 Stops→4 Stops→6 Stops. Can be switched by 8 Stops→10 Stops if [ND Density Expansion] is [On]. However, for 8 stops or 10 stops, there are a different number of ND filters inserted into the optical path, so the optical path length may change, and the focal position may be shifted, or the ∞ position may not be possible depending on the lens. ND Filter display units can be selected from Stop, Transmittance, or Optical Density. <ND Filter Density>

Display Units		
Stop	Transmittance	Optical Density
0	1/1	0.0
2	1/4	0.6
4	1/16	1.2
6	1/64	1.8
8	1/256	2.4
10	1/1024	3.0

Image Quality

Auto White Balance	
Daylight	5600 K (Initial value: 5600 K / ±0 CC) Adjustable range: 4300 K - 8000 K / -5 CC - +5 CC
Tungsten	3200 K (Initial value: 3200 K / ±0 CC) Adjustable range: 2700K - 3700K / -5 CC - +5 CC
Color Temperature Setting	Adjustable range: 2000 K - 15000 K / -20 CC - +20 CC Initial value: 5600 K / ±0 CC
Set A/Set B	Both adjustable range and initial values are same as Kelvin settings.
WB Adjustment Resolution	Color temperature direction K: 5-mired [1 Mired=106/Kelvin] or 100 K increments. UV direction CC: 1 CC increments
Others	Includes a function for smooth transitions when white balance is changed (shockless white balance). The response during AWB can be selected. (AWB Response) AWB operation can be paused when activated. (AWB Hold) It is allocated to one of the assignable buttons. The color temperature increment can be set to [Mired] (5-mired increments) or [Kelvin] (100-Kelvin increments). If mired is selected, the value is converted to Kelvin for display.

Custom Picture

20 custom picture files are provided in the camera body. Rename, protect, and reset functions are included. All 20 sets of custom picture data can be written from the camera body onto an SD card. They can also be loaded from the SD card. Users can select whether to add the custom picture data to clips or photos. Enabled for recording (including proxy) and output from each terminal, but does not affect recorded RAW files (CRL).

Item	Description
CP File	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

LUT (Look Up Table) Settings

LUT	Gamma	Color space	Description
CMT 709	CMT 709	BT.709	LUT for viewing on the optional LCD monitor and external monitors compatible with BT.709 specifications. It produces a look suitable for a cinema production, keeping a wide dynamic range without clipping when log recording.
Canon 709	Canon 709	BT.709	These settings produce a look appropriate also for use without post processing, featuring high contrast while ensuring a wide dynamic range optimized for playback on BT.709 compliant monitors.
CMT DCI	CMT DCI	DCI-P3	LUT for viewing on external monitors compatible with DCI (Digital Cinema Initiatives) standardized color space and gamma. It produces a look suitable for a cinema production, keeping a wide dynamic range without clipping when log recording.
CMT PQ	CMT PQ	BT.2020	LUT for viewing HDR (High Dynamic Range) video on external monitors compatible with PQ standards defined by ITU-R BT.2100. It produces a look suitable for a cinema production, keeping a wide dynamic range without clipping when log recording.
CMT HLG	CMT HLG	BT.2020	LUT for viewing HDR (High Dynamic Range) video on external monitors compatible with HLG standards defined by ITU-R BT.2100. It produces a look suitable for a cinema production, keeping a wide dynamic range without clipping when log recording.
ACESproxy	ACESproxy	ACESproxy	LUT for viewing on external monitors compatible with the ACESproxy standard established by Academy Color Encoding System. The signal output will use narrow range (video range) coding.
HDR Assist 1600% HDR Assist 400%	Original gamma curve	BT.709	LUT for viewing HDR (high dynamic range) images on optional LCD monitor connected to the VIDEO terminal. The LUT follows the ITU-R BT.2100 transfer function to convert a brightness range of 1600% or 400% respectively into a linear brightness scale.

Available LUTs

Look File	[Gamma/Color Space] After the Look File is applied	LUT							
		CMT 709	Canon 709	CMT DCI*1	CMT PQ*1	CMT HLG*1	ACES proxy*1	HDR Assist 1600%*2	HDR Assist 400%*2
Off	--	A (See the following table.)							
On	[Conform to Custom Picture]								
	SDR BT.709	--	--	--	--	--	--	--	--
	SDR BT.2020	--	--	--	--	--	--	--	--
	HDR PQ (BT.2100)	●	●	--	--	--	--	●	●
	HDR HLG (BT.2100)	●	●	--	--	--	--	--	●

*1 Not available for the VIDEO terminal
*2 Available only for the VIDEO terminal

LUTs Available From Gamma/Color Space in Custom Picture

COLOR Gamma / Color Space	LUT							
	CMT 709	Canon 709	CMT DCI*1	CMT PQ*1	CMT HLG*1	ACES proxy*1	HDR Assist 1600%*2	HDR Assist 400%*2
Canon Log 2: C.Gamut	●	●	●	●	●	●	●	●
Canon Log 3: C.Gamut	●	●	●	●	●	●	●	●
Canon Log 3: BT.2020	●	●	--	●	•	--	•	•
Canon Log 3: BT.709	●	●	--	--	--	--	--	--
Canon 709: BT.709	--	--	--	--	--	--	--	--
BT.709 Wide DR / BT.709	--	--	--	--	--	--	--	--
BT.709 Standard / BT.709	--	--	--	--	--	--	--	--
PQ: BT.2020	●	●	--	--	--	--	●	●
HLG: BT.2020	●	●	--	--	--	--	--	●

*1 Not available for the VIDEO terminal
*2 Available only for the VIDEO terminal

Autofocus	
Focusing Systems	Dual Pixel CMOS AF CMOS AF detection range When detecting the entire area and subject, approx. 100% (Vertical) x approx. 100% (Horizontal). Otherwise approx. 100% (Vertical) x approx. 90% (Horizontal) May be approx. 100% (V) x approx. 80% (H, approx. 75% (V) x approx. 40% (H) depending on the lens
AF Modes	Modes available are [Continuous AF] and [One-Shot AF]. All of these modes enabled by switching the AF/MF switch of the RF lens to AF. Continuous AF: Used to keep continuously focused on a subject. One-Shot AF: AF is performed only while the One-Shot AF button to which it has been assigned is held down. No further lens movement is permitted after focusing. When [Lens action if cannot AF] is set to [Stop] in Continuous AF mode, stop the search when distance measurement is not possible.
AF Frame Size	"Small Zone: Video display range approx. 15.9% (Vertical) x 11.8% (Horizontal) Zone: Video display range approx. 43% (Vertical) x 25% (Horizontal) Large Zone (Horizontal): Video display range approx. 43% (Vertical) x 76% (Horizontal) Large Zone (Vertical): Video display range approx. 97% (Vertical) x 25% (Horizontal) Full: approx. 100% (Vertical) x approx. 100% (Horizontal) * The condition of the above numerical value is when [Sensor mode] is [Full size], [Main resolution] is 4096x2160/2048x1080, [Main recording format] is [RAW LT] and [Electronic IS] is [Off]."
AF Frame Movement	"Available. The frame can be moved to any position by operating the joystick."
AF Lock	Available.
AF Speed	The AF speed (10 steps) and AF response (7 steps) can be changed.
Subject Detection AF	The subject detection function automatically detects the face/head, eyes or body* of a person or animal, according to the menu settings. When Auto Focus is enabled, a white frame will be displayed for all detected people when "Subject to Detect" is set to "People," and for only the main subject among detected animals or people when "Animals" is set to "Animals".
Tracking AF	"A function that performs AF on the subject being tracked. This function needs to be assigned to the assign button. The main subject can be selected and tracked with the joystick or the touch panel. Subject detection AF and tracking are possible even when setting slow & fast motion (Frame rate 24 / 25 / 30 / 48 / 50 / 60 / 100 / 120)."
Eye Detection	When Eye Detection is ON, a detection frame is displayed over eyes for both people and animals when any eyes have been detected.
Tele-Converter	
The ability to digitally increase the focal length to approximately 1.5x, 2.0x, 2.5x, and 3.0x, regardless of the focal length. However, it does not work when RAW is selected and RF 5.2mm F2.8 L DUAL FISHEYE is equipped. In relation to AF, the AF frame is fixed to [Small Zone], [Subject to detect], [Subject detection AF], [Eye Detection] and Tracking modes are disabled. AF frame cannot be moved.	

Available Audio Recording Formats

Video Format/Audio Recording Function		Audio Format				
		Codec	Sampling Frequency	Bit depth	Number of Audio Channels	Bit Rate
Video Recording	RAW	Linear PCM	48 kHz	24 bit	4 channel	4.5 Mbps
	XF-AVC	Linear PCM	48 kHz	24 bit	4 channel	4.5 Mbps
	XF-AVC S XF-HEVC S	Linear PCM	48 kHz	24 bit	4 channel	4.5 Mbps
		AAC		16 bit	2 channel	256 kbps
Audio Recording	For Slow and Fast Motion Recording	--	48 kHz	24 bit	4 channel	4.5 Mbps
	For Second Card Recording Functions	--	8 kHz	16 bit	1 channel	128 kbps

Input/Output Terminals

Input Terminals

MIC Terminal		ϕ3.5 mm stereo mini jack (Unbalanced, plugin power supported)
	Input Impedance	1.5 kΩ
	Sensitivity	-72 dBV (Volume auto, Full scale - 18 dB)
	ATT	20 dB
	Supply Voltage	DC 2.4 V (Bias resistor 2.2 kΩ)
	LINE	-12 dBV (Volume center, Full scale -18 dB)
Remote A Terminal		ϕ2.5 mm stereo mini jack
Input 1 Terminal, Input 2 Terminal		Mini XLR 3 pin jack (Balanced) (1) Shield, (2) Hot, (3) Cold)
MIC Line	**Input Impedance**	600 Ω
	Sensitivity	-60 dBu (Volume center, Full scale - 18 dB)
	ATT	20 dB
	Input Impedance	10 kΩ
	Sensitivity	+4 dBu (Volume center, Full scale - 18 dB)
GRIP (Camera Grip connector Terminal		USB Type C™ jack, Canon original signal specifications (Only for connecting the supplied Camera Grip)

Input/Output Terminals (cont.) Output Terminals		
Mon. Terminal		BNC Jack
	Video	HD: SMPTE 292 3G: SMPTE 424, SMPTE 425
	Audio	SMPTE ST 299-1, SMPTE ST 299-2
	Output signal level	0.8 Vp-p
	Output impedance	75 Ω
VIDEO Terminal		USB Type C™ jack, Canon original signal specifications (Only for connecting the supplied LCD Monitor)
SDI OUT Terminal		BNC Jack
	Video	HD: SMPTE 292 3G: SMPTE 424, SMPTE 425 6G: SMPTE ST 2081 12G: SMPTE ST 2082
	Audio	SMPTE ST 299-1, SMPTE ST 299-2
	Output signal level	0.8 Vp-p
	Output impedance	75 Ω
	Other	3G-SDI mapping method can be selected in the menu.
HDMI OUT Terminal		HDMI™ connector (Type A) Time codes can be superimposed (original standards)
	Video/Audio Output	According to HDMI specifications.
Headphone Terminal		**ϕ3.5mm stereo mini jack**
Output signal level		**-17 dBV (32 Ω load, maximum volume)**

Input/Output Terminals (cont.) Input/Output Terminals		
USB Terminal		USB Type C™ jack, Super Speed USB (USB3.2 Gen1x1) equivalent, allows connection to smartphones or GP-E2.
TIME CODE Terminal		DIN1.0/2.3 jack terminal
	Input	Input impedance: 100kΩ
		Signal level: 0.5-4.5 Vp-p
	Output	Output impedance: 50Ω
		Signal level: 1.3 Vp-p
G-LOCK/SYNC/RET Terminal		DIN1.0/2.3 jack terminal
Input	**When selecting [Genlock Input] in the menu**	Signal level: 1.0 Vp-p
		Input impedance: 75Ω
	When selecting [RET Input] in the menu	Video: 3G-SDI (SMPTE 424, SMPTE 425 compliant)HD-SDI (SMPTE 292 compliant)
		Signal level: 0.8 Vp-p
		Input impedance: 75Ω
Output	**When selecting [HD Sync Output] in the menu**	Signal level: 1.0 Vp-p
		Output impedance: 75Ω
LENS Terminal		Round 12-pin jack
Ethernet Terminal		RJ45 Connector (1000BASE-T compatible)
Other Terminals		
DC IN 12V Terminal		XLR 4-pin
Multi-Accessory Shoe Terminal		Canon original specifications

Network Specifications

Ethernet
Supported standards: 1000BASE-T

Wi-Fi
Supported standards: IEEE 802.11a/b/g/n/ac
Frequency band: 2.4 GHz, 5 GHz Available channels vary depending on destination.
Security: Open, Shared key, WPA/WPA2/WPA3-Personal, WPA/WPA2/WPA3-Enterprise
Setup: WPS [Wi-Fi Protected Setup] (push button method / PIN code method), manual configuration, access point

IP Streaming

Compression Method	MPEG-4 H.264/AVC
Bit Rate/Resolution	9 Mbps: 1920x1080 (59.94p, 59.94i, 50.00p, 50.00i) 4 Mbps: Same as above
Audio	MPEG-2 ACC-LC 2ch
Audio Rate	256 Kbps
Protocols	- UDP: Prioritizes transfer speed, with no guarantees of reliability or correct order. Lost or lagging packets ignored. - RTP: Standard system for sending videos and audio online. Lost or lagging packets ignored. - SRT: Achieves high-quality streaming with minimal video distortion due to low latency and a packet loss playback function. - RTP+FEC: Error correction (FEC)* control during RTP transfer enables recovery of lost or corrupt packets on the receiving side. - RTSP+RTP: Real-time data streaming control via RTSP (Real Time Streaming Protocol) and transfer via RTP. The receiving side can start or stop streaming.

Network Functions and Connection Methods

Function	Description	Ethernet	Wi-Fi	
			Infrastructure	Camera Access Point
Browser remote	This function is used to control the camera using the web browser of the user's connected terminal.	●	●	●
FTP Transfer	This function is used to transfer data to the FTP server. XF-AVC, XF-AVC S, XF-HEVC S clips recorded on CFexpress / SD Cards.	●	●	●
IP Streaming	Streams video to decoder transmission device or computer over the network.	●	●	—
XC Protocol	The EOS C400 can be remotely operated by a controller or application that supports the XC protocol via IP connection. Supported Canon products are as follows: - Controller: RC-IP100 (Ver 1.20 or later), RC-IP1000 - Application: Remote Camera Control Application (Ver 1.3.0 or later), Canon Multi-Camera Control	●	●	●
Canon App	This function connects iOS or Android mobile devices and the video camera via USB or Wi-Fi, and can manipulate files (video files, audio files, metadata) on the video camera from the Content Transfer Professional application, which runs on iOS devices.	—	●	—
CV Protocol	Output metadata information necessary for generating virtual production in real time on a PC application.	●*	—	—

*IPv4 only

Application Software

The following applications are supported;
- Cinema RAW Development
- Canon RAW Plugin for Avid Media Access
- Canon RAW Plugin for Final Cut Pro
- Canon XF Utility
- Canon XF Plugin for Avid Media Access
- MP4 Join Tool
- EOS VR Utility
- EOS VR Plugin for Adobe Premiere Pro
- Canon HEVC Activator
- Live Link Plugin for Unreal Engine
- CV Metadata Plugin for Adobe After Effects
- CV Metadata Extraction Tool
- Content Transfer Professional
- Remote Camera Control Application
- Canon Multi-Camera Control

Power

Overview
-Terminal
DC IN 12V terminal: DC 11.5V - 20V
Battery terminal: DC 14.4 V (battery pack)
-Compatible battery
-BP-A60N (provided with camera) /BP-A30N
-BP-A60/BP-A30
When using BP-A60/BP-A30, the following functions cannot be used due to power supply limitations.
-Communication via LENS terminal
-Power supply from the camera to the multi-accessory shoe

Maximum Recording Times With Battery/Power Consumption

The recording times in the tables below are approximate and were measured recording on a CFexpress card (single recording), using an RF50mm F1.8 lens and the LCD monitor/MON. terminal/SDI OUT terminal. Actual times may vary.

Recording Format						Power Consumption	Recording Time	
Sensor mode	Main Recording Format	Resolution	Frame Rate	Color Depth	Bit Rate		BP-A60N (Supplied)	BP-A30N (Optional)
Full-Frame	RAW ST	6000x3164	59.94P	12-bit	2.13 Gbps	32.5 W	Approx. 155 min.	Approx. 70 min.
Super 35mm (Crop)		4368x2304			1.13 Gbps	30.4 W	Approx. 165min.	Approx. 80min.
--		4096x2160			1.2 Gbps	31.6 W	Approx. 160min.	Approx. 75min.
	XF-AVC YCC422 10-bit	2048x1080		--	300 Mbps	29.7 W	Approx. 170min.	Approx. 80min.

Camera Dimensions

Width x Height x Depth
- Approx. 5.6 x 5.3 x 5.3 in. (142 x 135 x 135 mm) (camera body only)
- Approx. 14.2 x 10.8 x 14.3 in. (361 x 274 x 363 mm) (Camera grip, Handle unit, LCD monitor unit, LCD monitor attachment unit, Mic holder, Battery BP-A60N)

Accessories

Width x Height x Depth
- LCD monitor: Approx. 4.4×2.9×1.2 in.(113×73×30 mm)
- LCD attachment unit: Approx. 4.5×4.3×5.9 in. (114.7×108.9×149.4 mm)
- Handle unit: Approx. 3.1×3.6×6.6 in. (79.5×90.4×167.8 mm)
- Camera grip: Approx. 2.4×5.2×2.9 in. (59.8×132.8×74.8 mm)
- Battery Pack BP-A60N: Approx.1.6 x 3.2 x 2.7 in (41.5 x 82.5 x 69.7 mm)
- Monitor Cable MC-5U: Approx. 1.6 ft. (500 mm)

Weight

(1) Camera body
Approx. 3.4 lbs. (1,540g)
(2)Accessories
- LCD Monitor: Approx. 5.5 oz (155 g)
- LCD Attachment Unit: 9.2 oz (260 g)
- MC-5U Monitor Cable: Approx. 0.88 oz (25 g)
- Handle Unit: Approx. 10.6 oz (300 g)
- Camera Grip: Approx. 9.5 oz (270 g)
- BP-A60N Battery Pack: Approx. 1.0 lb (465 g)
- CA-CP300 B Compact Power Adapter: Approx. 7.7 oz (219 g)
- Battery Charger CG-A20: Approx. 5.1 oz (145 g)
- Microphone Holder + 2 screws: Approx.2.1 oz (60 g)

Temperature and Humidity Requirements

Temperature and humidity requirements for performance: Approx. 32 to 104° (0 to 40°C), 85% (relative humidity)
Temperature and humidity requirements for operation: Approx. 23 to 113° (-5 to 45°C) , 60% (relative humidity)

Product Contents

Accessories Provided with Camera
- 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

Purchased separately
- 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
- Mount Adapter PL-RF
- Remote Camera Controller RC-V100
- Remote Camera Controller RC-IP100
- Remote Camera Controller RC-IP1000
- OC-E4A Off-Camera Shoe Cord
- DM-E1D Multi-Function Shoe Directional Stereo Microphone
- IFC-100U / IFC-400U Interface Cable

Multi-Accessory Shoe

For use with the C400 multi-accessory shoe
- Supplied handle unit (Cannot be connected to multi-accessory shoes on other models)
- OC-E4A Off-Camera Shoe Cord

Can be connected to the C400 multi-accessory shoe for the supplied handle unit/OC-E4A off-camera shoe cord
- DM-E1D Multi-Function Shoe Directional Stereo Microphone
- CA-XLR2d XLR Microphone Adapter (Produced by TEAC)

IP Streaming

Decoder	Version	Streaming Signal Output Format			Protocol / Camera Connection Mode					
					UDP	RTP	RTP+FEC	RTSP+RTP	SRT	
									Caller	
Fujitsu IP-HE950D	V01L055C01	9/4 Mbps	1920x1080	59.94P/ 50.00P	●	●	●	N/A	N/A	
				59.94i/ 50.00i	●	●	●	N/A	N/A	
Haivision Makito X4	1.4.0-104			59.94P/ 50.00P				N/A	●	
				59.94i/ 50.00i	N/A	N/A	N/A	N/A	N/A	
Evertz XPS- EDGE	3.2 Build1524			59.94P/ 50.00P	N/A	N/A	N/A	N/A	●	
				59.94i/ 50.00i	N/A	N/A	N/A	N/A	N/A	
Software	Version									
VLC media player for Windows	3.0.20	9/4 Mbps	1920x1080	59.94P/ 50.00P	●	●	●	●	N/A	
				59.94i/ 50.00i	●	●	●	●	N/A	
VLC media player for MacOS X	3.0.20			59.94P/ 50.00P	●	●	●	●	N/A	
				59.94i/ 50.00i	●	●	●	●	N/A	

●: Available
N/A: Not available
Blank: Not confirmed

Memory Card Operation Table

Media	Manufacturer	Model No.	Capacity	Speed class	Confirmation
CFexpress	SanDisk	SDP-CVN4-256G-***NN	256 GB	VPG400	OK
CFexpress	SanDisk	SDCFE-512G-xxxNN	512 GB	-	OK
CFexpress	Nextorage	NX-B1PRO660G	660 GB	VPG400	OK
CFexpress	ProGrade Digital	(COBALT) PGCFX-650GCPJP	650 GB	-	OK
CFexpress	Lexar	LCXEXD-M512G-RNENG	512 GB	VPG400	OK
SD	Prograde	PGSD128GBCKJP	128 GB	C10/U3/V90	OK
SD	AngelBird	AVP128SDMK2V90	128 GB	C10/U3/V90	OK
SD	AngelBird	AVP256SDMK2V90	256 GB	C10/U3/V90	OK
SD	SanDisk	SDSDXDK-128G-JNJIP	128 GB	C10/U3/V90	OK
SD	Lexar	LSD2000128G-BNNNJ	128 GB	C10/U3	OK
SD	Lexar	LSD2000256G-BNNNJ	256 GB	C10/U3	OK