

Clifton Cameras Product Specification

Sony FX30 Cinema Line Camera

Specifications

CAMERA TYPE:	Interchangeable lens digital camera
LENS MOUNT:	E-mount
WEIGHT (approx.):	646 g (1 lb 6.8 oz) (with battery and memory card included), 562 g (1 lb 3.8 oz) (body only)
DIMENSIONS (W X H X D) (approx.):	129.7 mm x 77.8 mm x 84.5 mm (5 1/8 x 3 1/8 x 3 3/8 inches) (body without protrusions)
POWER REQUIREMENTS:	-
POWER CONSUMPTION:	[Movie] Approx. 5.6 W (with E PZ 18-105mm F4 OSS lens attached), [Still image] Approx. 3.5 W (with E PZ 18-105mm F4 OSS lens attached)
BATTERY OPERATING TIME:	Approx. 115 min (Actual recording, CIPA standard) [FN_33], Approx. 175 min (Continuous recording, CIPA standard), Approx. 570 shots (still images, CIPA standard)
OPERATING TEMPERATURE:	0°C to 40°C, 32°F to 104°F
STORAGE TEMPERATURE:	-20°C to +55°C, -4°F to +131°F
XAVC INTRA:	-
XAVC LONG:	-
XAVC HS:	[XAVC HS 4K] XAVC HS 4K 59.94p/50p 200Mbps 4:2:2 10bit MPEG-H HEVC / H.265, XAVC HS 4K 59.94p/50p 150Mbps 4:2:0 10bit MPEG-H HEVC / H.265, XAVC HS 4K 59.94p/50p/23.98p 100Mbps 4:2:2 10bit MPEG-H HEVC / H.265, XAVC HS 4K 59.94p/50p 75Mbps 4:2:0 10bit MPEG-H HEVC / H.265, XAVC HS 4K 59.94p/50p 45Mbps 4:2:0 10bit MPEG-H HEVC / H.265, XAVC HS 4K 23.98p 100Mbps 4:2:0 10bit MPEG-H HEVC / H.265, XAVC HS 4K 23.98p 50Mbps 4:2:2 10bit MPEG-H HEVC / H.265, XAVC HS 4K 23.98p 50Mbps 4:2:0 10bit MPEG-H HEVC / H.265, XAVC HS 4K 23.98p 30Mbps 4:2:0 10bit MPEG-H HEVC / H.265, XAVC HS 4K 119.88p/100p 280Mbps 4:2:2 10bit MPEG-H HEVC / H.265, XAVC HS 4K 119.88p/100p 200Mbps 4:2:0 10bit MPEG-H HEVC / H.265
XAVC S:	[XAVC S 4K] XAVC S 4K 59.94p/50p 200Mbps 4:2:2 10bit MPEG-4 AVC / H.264, XAVC S 4K 59.94p/50p 150Mbps 4:2:0 8bit MPEG-4 AVC / H.264, XAVC S 4K 29.97p/25p 140Mbps 4:2:2 10bit MPEG-4 AVC / H.264, XAVC S 4K 23.98p 100Mbps 4:2:2 10bit MPEG-4 AVC / H.264, XAVC S 4K 29.97p/25p/23.98p 100Mbps 4:2:0 8bit MPEG-4 AVC / H.264, XAVC S 4K 29.97p/25p/23.98p 60Mbps 4:2:0 8bit MPEG-4 AVC / H.264, XAVC S 4K 119.88p/100p 280Mbps 4:2:2 10bit MPEG-4 AVC / H.264, XAVC S 4K 119.88p/100p 200Mbps 4:2:0 8bit MPEG-4 AVC / H.264, [XAVC S HD] XAVC S HD 59.94p/50p/29.97p/25p/23.98p 50Mbps 4:2:2 10bit MPEG-4 AVC / H.264, XAVC S HD 59.94p/50p/29.97p/25p/23.98p 50Mbps 4:2:0 8bit MPEG-4 AVC / H.264, XAVC S HD 59.94p/50p 25Mbps 4:2:0 8bit MPEG-4 AVC / H.264, XAVC HD 29.97p/25p 16Mbps 4:2:0 8bit MPEG-4 AVC / H.264, XAVC S HD 119.88p/100p 100Mbps 4:2:0 8bit MPEG-4 AVC / H.264, XAVC S HD 119.88p/100p 60Mbps 4:2:0 8bit MPEG-4 AVC / H.264,
XAVC S-I:	[XAVC S-I 4K] XAVC S-I 4K 59.94p 600Mbps 4:2:2 10bit MPEG-4 AVC / H.264, XAVC S-I 4K 50p 500Mbps 4:2:2 10bit MPEG-4 AVC / H.264, XAVC S-I 4K 29.97p 300Mbps 4:2:2 10bit MPEG-4 AVC / H.264, XAVC S-I 4K 25p 250Mbps 4:2:2 10bit MPEG-4 AVC / H.264, XAVC S-I 4K 23.98p 240Mbps 4:2:2 10bit MPEG-4 AVC / H.264, [XAVC S-I HD] XAVC S-I HD 59.94p 222Mbps 4:2:2 10bit MPEG-4 AVC



/ H.264, XAVC S-I HD 50p 185Mbps 4:2:2 10bit MPEG-4 AVC / H.264, XAVC S-I HD 29.97p 111Mbps 4:2:2 10bit MPEG-4 AVC / H.264, XAVC S-I HD 25p 93Mbps 4:2:2 10bit MPEG-4 AVC / H.264, XAVC S-I HD 23.98p 89Mbps 4:2:2 10bit MPEG-4 AVC / H.264,

RECORDING FORMAT (AUDIO):	LPCM 2ch (48kHz 16bit), LPCM 2ch (48kHz 24bit), LPCM 4ch (48kHz 24bit)[FN_37], MPEG-4 AAC-LC 2ch[FN_37]
XAVC INTRA:	-
XAVC LONG:	-
XAVC HS:	[XAVC HS 4K] 3840x2160/119.88p, 100p, 59.94p, 50p, 23.98p
XAVC S:	[XAVC S 4K] 3840x2160/119.88p, 100p, 59.94p, 50p, 29.97p, 25p, 23.98p, [XAVC S-I HD] 1920x1080/59.94p, 50p, 29.97p, 25p, 23.98p
XAVC S-I:	[XAVC S-I 4K] 3840x2160/59.94p, 50p, 29.97p, 25p, 23.98p, [XAVC S-I HD] 1920x1080/59.94p, 50p, 29.97p, 25p, 23.98p,
XAVC INTRA:	-
XAVC LONG:	-
XAVC HS:	[XAVC HS 4K] 59.94p/50p 200M When using CEA-G160T (160 GB) Approx. 80 minutes, When using CEA-G80T (80GB) Approx. 40 minutes, 59.94p/50p 150M When using CEA-G160T (160 GB) Approx. 100 minutes, When using CEA-G80T (80GB) Approx. 50 minutes, 59.94p/50p 100M When using CEA-G160T (160 GB) Approx. 150 minutes, When using CEA-G80T (80GB) Approx. 75 minutes, 59.94p/50p 75M When using CEA-G160T (160 GB) Approx. 190 minutes, When using CEA-G80T (80GB) Approx. 95 minutes, 59.94p/50p 45M When using CEA-G160T (160 GB) Approx. 290 minutes, When using CEA-G80T (80GB) Approx. 140 minutes
XAVC S:	[XAVC S 4K] 59.94p/50p 200M When using CEA-G160T (160 GB) Approx. 80 minutes, When using CEA-G80T (80GB) Approx. 40 minutes, 59.94p/50p 150M When using CEA-G160T (160 GB) Approx. 100 minutes, When using CEA-G80T (80GB) Approx. 50 minutes, [XAVC S HD] 59.94p/50p 50M When using CEA-G160T (160 GB) Approx. 270 minutes, When using CEA-G80T (80GB) Approx. 130 minutes, 59.94p/50p 25M When using CEA-G160T (160 GB) Approx. 430 minutes, When using CEA-G80T (80GB) Approx. 210 minutes
XAVC S-I:	[XAVC S-I 4K] XAVC S-I 4K 59.94p/50p When using CEA-G160T (160 GB) Approx. 25 minutes, When using CEA-G80T (80GB) Approx. 10 minutes, [XAVC S-I HD] 59.94p/50p When using CEA-G160T (160 GB) Approx. 75 minutes, When using CEA-G80T (80GB) Approx. 35 minutes
PROXY AUDIO:	XAVC Proxy: AAC-LC, 128kbps, 2 channels
PROXY VIDEO:	1280 x 720 (Approx. 6Mbps), 1920 x 1080 (Approx. 9Mbps), 1920 x 1080 (Approx. 16Mbps)
RAW Output:	HDMI: 4672 x 2628 (59.94p/50p/29.97p/25p/23.98p), 16bit
VIDEO FUNCTIONS:	Audio Level Display, Audio Rec Level, TC/UB, Creative Look, Gamma Display Assist, PAL/NTSC Selector
SENSOR TYPE:	APS-C type (23.3 x 15.5 mm), Exmor R CMOS sensor
PIXELS:	Approx. 20.1 megapixels (effective) for movies, Approx. 26.0 megapixels (effective) for Still images, Approx. 27.0 megapixels (total)
BUILT-IN OPTICAL FILTERS:	-



SENSITIVITY: [Movie] ISO 100-32000 equivalent, AUTO (ISO 100-6400, selectable lower limit and upper limit)[FN_38], [Still image] ISO 100-32000 (Expandable to ISO 50- 102400), AUTO (ISO 100-6400, selectable lower limit and upper limit)[FN38]

SHUTTER SPEED: [Movie] 1/8000 to 1/4 (1/3 steps), up to 1/60 in AUTO mode (up to 1/30 in Auto slow shutter mode), [Still image] 1/8000 to 30 sec

XAVC-I: -

XAVC-I/L: -

XAVC HS: XAVC HS 4K: [NTSC mode] 1fps, 2fps, 4fps, 8fps, 15fps, 30fps, 60fps, 120fps[FN_39], [PAL mode] 1fps, 2fps, 3fps, 6fps, 12fps, 25fps, 50fps, 100fps[FN39]

XAVC S: XAVC S 4K: [NTSC mode] 1fps, 2fps, 4fps, 8fps, 15fps, 30fps, 60fps, 120fps[FN_39], [PAL mode] 1fps, 2fps, 3fps, 6fps, 12fps, 25fps, 50fps, 100fps[FN_39], XAVC SHD: [NTSC mode] 1fps, 2fps, 4fps, 8fps, 15fps, 30fps, 60fps, 120fps, 240fps[FN_40], [PAL mode] 1fps, 2fps, 3fps, 6fps, 12fps, 25fps, 50fps, 100fps, 200fps[FN_40]

XAVC S-I: XAVC S-I 4K: [NTSC mode] 1fps, 2fps, 4fps, 8fps, 15fps, 30fps, 60fps, 120fps[FN_39], [PAL mode] 1fps, 2fps, 3fps, 6fps, 12fps, 25fps, 50fps, 100fps[FN_39], XAVC S-I HD: [NTSC mode] 1fps, 2fps, 4fps, 8fps, 15fps, 30fps, 60fps, 120fps, 240fps[FN_40], [PAL mode] 1fps, 2fps, 3fps, 6fps, 12fps, 25fps, 50fps, 100fps, 200fps[FN_40]

WHITE BALANCE MODES: Auto / Daylight / Shade / Cloudy / Incandescent / Fluorescent / Underwater / Color Temperature (2500 to 9900K) & color filter / Custom

GAIN CONTROL: -

GAMMA CURVE: Off / PP1-PP6 / PP10-PP11, Parameters: Black level, Gamma (Movie, Still, S-Cinetone, Cine1-4, ITU709, ITU709 [800%], S-Log3, HLG, HLG1-3), Black Gamma, Knee, Color Mode, Saturation, Color Phase, Color Depth, Detail, Copy, Reset

LATITUDE: 14+ stop (S-Log3)

Type: Fast Hybrid AF (phase-detection AF / contrast-detection AF)

FOCUS POINT: [Movie] 495 points (phase-detection AF), [Still image] 759 points (phase-detection AF)

SENSITIVITY RANGE: EV-3 to EV20 (ISO100 equivalent with F2.0 lens attached)

FOCUS MODE: [Movie] AF-C (Continuous AF), MF, [Still image] AF-A (Automatic AF), AF-S (Single-shot AF), AF-C (Continuous AF), DMF (Direct Manual Focus), Manual Focus

FOCUS AREA: [Movie] Wide / Zone / Center Fix / Spot / Expand Spot [Still image] Wide / Zone / Center Fix / Spot / Expand Spot / Tracking

OTHER FOCUS FEATURES: Eye AF ([Movie] Human (Right/Left Eye Select) / Animal (Right/Left Eye Select) / Bird), ([Still images] Human (Right/Left Eye Select) / Animal (Right/Left Eye Select) / Bird), Face detection (Face Priority in AF, Face Priority in Multi Metering, Regist. Faces Priority), [Movie] AF Subj. Shift Sensitivity, [Movie] AF Transition Speed, [Still image] Focus Magnifier (APS-C: 6.1x / 12.1x)

METERING SENSITIVITY: EV-3 to EV20 (at ISO100 equivalent with F2.0 lens attached)

EXPOSURE MODES: [Movie] [Movie] Programmed AE (P) / Aperture priority (A) / Shutter priority (S) / Manual Exposure (M) / Flexible Exp. Mode, [Still images] Intelligent Auto (Auto) / Program Auto (P) / Aperture priority (A) / Shutter priority (S) / Manual Exposure (M)



RECORDING FORMAT:	JPEG (DCF Ver. 2.0, Exif Ver. 2.32, MPF Baseline compliant), HEIF (MPEG-A MIAF compliant), RAW (Sony ARW 4.0 format compliant)
IMAGE SIZE:	Image size [3:2] L: 6192 x 4128 (26M)、 M: 4384 x 2920 (13M)、 S: 3104 x 2064 (6.4M) [4:3] L: 6192 x 4128 (26M)、 M: 4384 x 2920 (13M)、 S: 3104 x 2064 (6.4M) [16:9] L: 6192 x 4128 (26M)、 M: 4384 x 2920 (13M)、 S: 3104 x 2064 (6.4M) [1:1] L: 4128 x 4128 (17M)、 M: 2912 x 2912 (8.5M)、 S: 2064 x 2064 (4.3M)
PLAYBACK FUNCTIONS:	Index view, Folder selection (Date / Still / Movie), Photo capture, 4ch audio monitoring, Auto Review (stills), Image orientation (stills), Protect (stills), Rating (stills), Display as Group (stills)
TC INPUT/TC OUTPUT:	Multi/Micro USB, TC IN[[F_DX0041]]
AUDIO INPUT:	3.5 mm Stereo minijack, XLR handle: [INPUT1][INPUT2] XLR/TRS-type 3-pin(female) (x2), line/mic/mic +48V selectable, Mic Reference -40 to -60 dBu / [INPUT3] 3.5 mm Stereo minijack
SDI OUTPUT:	-
USB:	USB Type-C® (x1, SuperSpeed USB 10 Gbps (USB 3.2) compatible), Multi/Micro USB (x1)
HEADPHONE OUTPUT:	Yes (3.5 mm Stereo minijack)
SPEAKER OUTPUT:	Built-in, monaural
DC INPUT:	-
REMOTE:	-
HDMI OUTPUT:	HDMI jack (Type-A), YCbCr 4:2:2 10bit / RGB 8bit
MULTI INTERFACE SHOE:	With Digital Audio Interface
LAN Terminal:	-
GRIP:	-
Bluetooth:	Bluetooth Standard Ver. 5.0 (2.4GHz band))
LCD:	7.5 cm (3.0-type), Approx. 2.36M dots, touch panel, Opening Angle:Approx. 176 deg., Rotation Angle:Approx. 270 deg.
VIEWFINDER:	-
BUILT-IN MICROPHONE:	Built-in, stereo
MEDIA TYPE:	CFexpress Type A / SD card (x2), Simult. Rec, Sort, Auto Switch Media, Copy
FILE SYSTEM:	FAT12, 16, 32, exFAT
ZOOM FUNCTION:	Zoom ring rotate, Clear Image Zoom([Movie] Approx. 1.5x (4K), Approx. 2x (HD) [Still image] L: Approx. 2x, M: Approx. 2.8x, S: Approx. 4x), Digital zoom([Movie] Approx. 4x [Still image] L: Approx. 4x, M: Aapprox. 5.7x, S: Approx. 8x), Smart zoom([Still image] M: Approx. 1.4x, S: Approx. 2x)
SHUTTER:	Electronic shutter



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DRIVE MODES:	Single Shooting, Self-timer, Self-timer (Cont.), Bracket: Single, Bracket: Cont., White Balance bracket, DRO bracket
CONTINUOUS SHOOTING SPEED	-
NOISE REDUCTION:	High ISO NR: Normal / Low / Off
FLASH CONTROL	-
OTHER STILL IMAGE FUNCTION:	Electronic Front Shutter Curtain, Silent Shooting, Anti-flicker Shoot[FN_35]
TYPE:	Image Sensor-Shift mechanism with 5-axis compensation (Compensation depends on lens specifications)
MODE:	[Movie] Active / Standard / Off, [Still image] On / Off
COMPENSATION EFFECT (STILL IMAGES):	5.5 stops (based on CIPA standard. Pitch/yaw shake only. With Planar T* FE 50mm F1.4 ZA lens mounted.)
CUSTOM FUNCTION:	Custom key settings, My Menu, My Dial Settings, Reg. Custom Shoot Set
LENS COMPENSATION:	Peripheral Shading, Chromatic Aberration, Distortion
SUPPORTED FORMAT:	IEEE 802.11a/b/g/n/ac
FREQUENCY BAND:	2.4GHz band/5GHz bandwidth[FN_36]
SECURITY:	WEP/WPA-PSK/WPA2-PSK
NFC:	-
FTP Transfer:	Wired LAN (USB-LAN), USB Tethering, Wi-Fi
SUPPLIED ACCESSORIES:	Rechargeable Battery NP-FZ100; AC adapter; Body cap; Accessory shoe cap; USB-A to USB-C cable (USB 3.2)