SONY

〈 FX3 CINEMA LINE FULL-FRAME CAMERA

FULL SPECIFICATIONS & FEATURES

General	**CAMERA TYPE**	**LENS MOUNT**
	Interchangeable lens digital camera	E-mount

Size & Weight	**WEIGHT (MAIN UNIT ONLY) (APPROX.)**	**DIMENSIONS (W X H X D) (BODY WITHOUT PROTRUSIONS) (APPROX.)**
	715 g (1 lb 9.3 oz) (with battery and memory card included), 630 g (1 lb 6.3 oz) (body only)	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)
	WEIGHT (INCLUDING SUPPLIED ACCESSORIES) (APPROX.)	
	1.015 kg (2 lb 3.8 oz) (with XLR Handle, battery pack, SD card)	

Power	**POWER CONSUMPTION**	**BATTERY OPERATING TIME**
	[Movie] Approx. 7.3W (with FE 28-70mm F3.5-5.6 OSS lens attached), [Still image] Approx. 3.5W (with FE 28-70mm F3.5-5.6 OSS lens attached)	Approx. 95 min (Actual recording, CIPA standard) [1] , Approx. 135 min (Continuous recording, CIPA standard), Approx. 570 shots (still images, CIPA standard)

Operation	**OPERATING TEMPERATURE**	**STORAGE TEMPERATURE**
	0°C to 40°C, 32°F to 104°F	-20°C to +55°C, -4°F to +131°F

Recording Format (Video)	**XAVC HS**	**XAVC S-I**
	[XAVC HS 4K] XAVC HS 4K 59.94p/50p 200 Mbps 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-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,
	XAVC S	**XAVC S-I DCI**
	[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 DCI 4K] XAVC S-I DCI 4K 59.94p 600 Mbps 4:2:2 10 bit MPEG-4 AVC / H.264, XAVC S-I DCI 4K 50p 500 Mbps 4:2:2 10 bit MPEG-4 AVC / H.264, XAVC S-I DCI 4K 29.97p 300 Mbps 4:2:2 10 bit MPEG-4 AVC / H.264, XAVC S-I DCI 4K 25p 250 Mbps 4:2:2 10 bit MPEG-4 AVC / H.264, XAVC S-I DCI 4K 23.98p/24.00p 240 Mbps 4:2:2 10 bit MPEG-4 AVC / H.264
Recording Format (Audio)	**RECORDING FORMAT (AUDIO)** LPCM 2ch (48kHz 16bit), LPCM 2ch (48kHz 24bit), LPCM 4ch (48kHz 24bit), MPEG-4 AAC-LC 2ch	

Recording Frame Rate	XAVC HS	XAVC S-I
	[XAVC HS 4K] 3840x2160/119.88p, 100p, 59.94p, 50p, 23.98p	[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 S	**XAVC S-I DCI**
	[XAVC S 4K] 3840x2160/119.88p, 100p, 59.94p, 50p, 29.97p, 25p, 23.98p, [XAVC S HD] 1920x1080/59.94p, 50p, 29.97p, 25p, 23.98p	[XAVC S-I DCI 4K] 4096x2160/59.94p, 50p, 29.97p, 25p, 23.98p, 24.00p
Slow & Quick Motion	**XAVC HS**	**XAVC S-I**
	XAVC HS 4K: [NTSC mode] 1fps, 2fps, 4fps, 8fps, 15fps, 30fps, 60fps, 120fps, [PAL mode] 1fps, 2fps, 3fps, 6fps, 12fps, 25fps, 50fps, 100fps	XAVC S-I 4K: [NTSC mode] 1fps, 2fps, 4fps, 8fps, 15fps, 30fps, 60fps, 120fps, [PAL mode] 1fps, 2fps, 3fps, 6fps, 12fps, 25fps, 50fps, 100fps, XAVC S-I HD: [NTSC mode] 1fps, 2fps, 4fps, 8fps, 15fps, 30fps, 60fps, 120fps, 240fps [2] , [PAL mode] 1fps, 2fps, 3fps, 6fps, 12fps, 25fps, 50fps, 100fps, 200fps [2]
	XAVC S	**XAVC S-I DCI**
	XAVC S 4K: [NTSC mode] 1fps, 2fps, 4fps, 8fps, 15fps, 30fps, 60fps, 120fps, [PAL mode] 1fps, 2fps, 3fps, 6fps, 12fps, 25fps, 50fps, 100fps, XAVC S HD: [NTSC mode] 1fps, 2fps, 4fps, 8fps, 15fps, 30fps, 60fps, 120fps, 240fps [2] , [PAL mode] 1fps, 2fps, 3fps, 6fps, 12fps, 25fps, 50fps, 100fps, 200fps [2]	XAVC S-I DCI 4K: 24.00p: 1fps, 2fps, 3fps, 6fps, 12fps, 24fps, 48fps, [NTSC mode] 59.94p/29.97p/23.98p: 1fps, 2fps, 4fps, 8fps, 15fps, 30fps, 60fps, [PAL mode] 50p/25p: 1fps, 2fps, 3fps, 6fps, 12fps, 25fps, 50fps

Recording/ Playback Time	**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	**XAVC S-I DCI** [XAVC S-I DCI 4K] 59.94p/50p When using CEA-G160T (160 GB) Approx. 25 minutes, When using CEA-G80T (80GB) Approx. 10 minutes **PROXY AUDIO** XAVC Proxy: AAC-LC, 128kbps, 2 channels **PROXY VIDEO** [XAVC HS HD] MPEG-H HEVC/H.265 1920 x 1080 4:2:0 10bit 16Mbps, 1920 x 1080 4:2:0 10bit 9Mbps, [XAVC S HD]MPEG-4 AVC/H.264 1280 x 720 4:2:0 8bit 6Mbps
RAW Output	**RAW OUTPUT** HDMI: 4264 x 2408 (59.94p/50p/29.97p/25p/23.98p), 16bit	
Other Video Function	**VIDEO FUNCTIONS** Audio Level Display, Audio Rec Level, TC/UB, Creative Look, Gamma Display Assist, PAL/NTSC Selector	

Camera Section	SENSOR TYPE	SENSITIVITY
	35mm full frame (35.6 x 23.8 mm), Exmor R CMOS sensor	[Movie] ISO 80-102400 equivalent (Expandable to ISO 409600), AUTO (ISO 80-12800, selectable lower limit and upper limit), [Still image] ISO 80-102400 (Expandable to ISO 40- 409600), AUTO (ISO 80-12800, selectable lower limit and upper limit)
	PIXELS	
	Approx. 10.3 megapixels (effective) for movies, Approx. 12.1 megapixels (effective) for Still images, Approx. 12.9 megapixels (total)	**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, Bulb
White Balance	**WHITE-BALANCE MODES**	
	Auto / Daylight / Shade / Cloudy / Incandescent / Fluorescent / Flash / Underwater / Color Temperature (2500 to 9900K) & color filter / Custom	
Gamma	**GAMMA CURVE**	
	Off / PP1-PP6, PP10-PP11, Parameters: Black level, Gamma (Movie, Still, S-Cinetone, Cine1-4, ITU709, S-Log3, HLG, HLG1-3), Black Gamma, Knee, Color Mode, Saturation, Color Phase, Color Depth, Detail, Copy, Reset / PPLUT1-4, Parameters: Basic Look	
Latitude	**LATITUDE**	
	15+ stop (S-Log3)	

Focus System	**TYPE**	**FOCUS MODE**
	Fast Hybrid AF (phase-detection AF / contrast-detection AF)	[Movie] AF-C, MF, [Still image] AF-A (Automatic AF), AF-S (Single-shot AF), AF-C (Continuous AF), DMF (Direct Manual Focus), Manual Focus
	FOCUS POINT	**FOCUS AREA**
	[Movie] 627 points, [Still image] 35mm full frame: 759 points (phase-detection AF)	[Movie] Wide / Zone / Center Fix / Spot / Expanded Spot [Still image] Wide / Zone / Center Fix / Spot / Expanded Spot / Tracking
	SENSITIVITY RANGE	**LENS MOUNT**
	EV-6 to EV20 (ISO100 equivalent with F2.0 lens attached)	Eye AF ([Movie] Human (Right/Left Eye Select, [Still image] Human (Right/Left Eye Select) / Animal), [Movie] AF Subj. Shift Sensitivity, [Movie] AF Transition Speed, [Still] AF Track Sens., Face detection (Face Priority in AF), Face Priority in Multi Metering, Regist. Faces Priority, Focus Magnifier (35mm full frame: 2.1x / 4.1x APS-C: 1.5x / 3.0x)
Exposure Control	**LENS MOUNT**	**EXPOSURE MODES**
	EV-3 to EV20 (at ISO100 equivalent with F2.0 lens attached)	[Movie] Programmed AE (P) / Aperture priority (A) / Shutter-speed priority (S) / Manual (M) / Flexible Exp. Mode, [Still images] Programmed AE (P) / Aperture priority (A) / Shutter-speed priority (S) / Manual (M)
Recording (Still image)	**RECORDING FORMAT**	**IMAGE SIZE**
	JPEG (DCF Ver. 2.0, Exif Ver. 2.32, MPF Baseline compliant), HEIF (MPEG-A MIAF compliant), RAW (Sony ARW 5.0 format compliant)	Image size [3:2] 35mm full frame L:12M, M:5.1M, S:3.0M, APS-C L:5.1M, M:3.0M, S:1.3M, Image size [4:3] 35mm full frame L:11M, M:4.6M, S:2.7M, APS-C L:4.6M, M:2.7M, S:1.1M Image size, [16:9] 35mm full frame L:10M, M:4.3M, S:2.6M, APS-C L:4.3M, M:2.6M, S:1.1M, Image size [1:1] 35mm full frame L:8M, M:3.4M, S:2.0M, APS-C L:3.4M, M:2.0M, S:0.8M
Playback	**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)	

Interface	**TC INPUT/TC OUTPUT**	**SPEAKER OUTPUT**
	Multi/Micro USB, TC IN [3]	Built-in, monaural
	AUDIO INPUT	**HDMI OUTPUT**
	3.5 mm Stereo minijack, XLR handle: [INPUT1][INPUT2] XLR/TRS-type 3-pin(female) (x 2), line/mic/mic +48V selectable, Mic Reference -40 to -60 dBu / [INPUT3] 3.5 mm Stereo minijack)	HDMI jack (Type-A), YCbCr 4:2:2 10bit / RGB 8bit
	USB	**LENS MOUNT**
	USB Type-C	With Digital Audio Interface
	HEADPHONE OUTPUT	**BLUETOOTH**
	Yes (3.5 mm Stereo minijack)	Bluetooth Standard Ver. 5.0 (2.4GHz band))
Media	**MEDIA TYPE**	
	CFexpress Type A / SD card (x2), Simult. Rec, Sort, Auto Switch Media, Copy	
Monitoring	**LCD**	
	7.5cm (3.0-type) type, approx. 2.36M dots, touch panel, Opening Angle:Approx. 176 deg., Rotation Angle:Approx. 270 deg.	
Built-in Microphone	**BUILT-IN MICROPHONE**	
	Built-in, stereo	
File System	**FILE SYSTEM**	
	FAT12, 16, 32, exFAT	
Zoom	**ZOOM FUNCTION**	
	Zoom ring rotate, Clear Image Zoom ([Movie] Approx. 1.5x (4K), Approx. 2x (HD) [Still image] Approx. 2x), Digital zoom ([Movie] 35mm full frame: approx. 4x, APS-C: approx. 4x, [Still image] 35mm full frame: L: approx. 4x, M: approx. 6.1x, S: approx. 8x, APS-C: L: approx. 4x, M:approx. 5.2x, S: approx. 8x), Smart zoom ([Still image] 35mm full frame: M: approx. 1.5x, S: approx. 2x, APS-C: M:approx. 1.3x, S: approx. 2x)	

Still image function	**SENSITIVITY RANGE**	**LENS MOUNT**
	Mechanical shutter / Electronic shutter	Long exposure NR: On/Off, available at shutter speeds longer than 1 sec., High ISO NR: Normal / Low / Off
	DIMENSIONS (W X H X D) (INCLUDING SUPPLIED ACCESSORIES) (APPROX.)	**FLASH CONTROL**
	Single Shooting, Continuous shooting (Hi+/Hi/Mid/Lo selectable), Self-timer, Self-timer (Cont.), Bracket: Single, Bracket: Cont., White Balance bracket, DRO bracket	Sony α System Flash compatible with Multi Interface Shoe, attach the shoe adaptor for flash compatible with Auto-lock accessory shoe, Flash sync speed 1/250 sec.
	CONTINUOUS SHOOTING SPEED	**LENS MOUNT**
	Hi+: 10 fps, Hi: 8 fps, Mid: 6 fps, Lo: 3 fps	Electronic Front Shutter Curtain, Silent Shooting, Anti-flicker Shoot [4]

Image Stabilization	**TYPE**	**COMPENSATION EFFECT (STILL IMAGES)**
	Image Sensor-Shift mechanism with 5-axis compensation (Compensation depends on lens specifications)	5.5 stops (based on CIPA standard. Pitch/yaw shake only. With Planar T* FE 50mm F1.4 ZA lens mounted. Long exposure NR off.)
	MODE	
	[Movie] Active / Standard / Off, [Still image] On / Off	

Custom Function	**CUSTOM FUNCTION**	
	Custom key settings, My Menu, My Dial Settings, Reg. Custom Shoot Set	

Lens Compensation	**LENS COMPENSATION**	
	Shading, Chromatic Aberration, Distortion, Breathing (Movie)	

Wi-Fi/NFC	**SUPPORTED FORMAT**	**SECURITY**
	IEEE 802.11a/b/g/n/ac	WEP/WPA-PSK/WPA2-PSK
	FREQUENCY BAND	**NFC**
	2.4GHz band/5GHz band [5]	—

FTP Transfer	**FTP TRANSFER**	
	Wired LAN (USB-LAN), USB Tethering, Wi-Fi	

Supplied Accessories	**SUPPLIED ACCESSORIES**	
	Rechargeable Battery NP-FZ100 [6] ; Battery Charger BC-ZD1 [7] ; XLR handle unit; Accessory shoe kit; Body cap; Accessory shoe cap; Handle shoe cap	