

**SONY****< FX3 CINEMA LINE FULL-FRAME CAMERA****FULL SPECIFICATIONS & FEATURES**

General	<b>CAMERA TYPE</b> Interchangeable lens digital camera	<b>LENS MOUNT</b> E-mount
Size & Weight	<b>WEIGHT (MAIN UNIT ONLY) (APPROX.)</b> 715 g (1 lb 9.3 oz) (with battery and memory card included), 640 g (1 lb 6.6 oz) (body only)  <b>WEIGHT (INCLUDING SUPPLIED ACCESSORIES) (APPROX.)</b> 1.015 kg (2 lb 3.8 oz) (with XLR Handle, battery pack, SD card)	<b>DIMENSIONS (W X H X D) (INCLUDING SUPPLIED ACCESSORIES) (APPROX.)</b> 1.015 kg (2 lb 3.8 oz) (with XLR Handle, battery pack, SD card)  <b>DIMENSIONS (W X H X D) (BODY WITHOUT PROTRUSIONS) (APPROX.)</b> 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	<b>POWER CONSUMPTION</b>  [Movie] Approx. 7.3W (with FE 28-70mm F3.5-5.6 OSS lens attached), [Still image] Approx. 3.4W (with FE 28-70mm F3.5-5.6 OSS lens attached)	<b>BATTERY OPERATING TIME</b>  Approx. 95 min (Actual recording, CIPA standard) 1, Approx. 135 min (Continuous recording, CIPA standard), Approx. 580 shots (still images, CIPA standard)
Operation	<b>OPERATING TEMPERATURE</b>  0°C to 40°C, 32°F to 104°F	<b>STORAGE TEMPERATURE</b>  -20°C to +55°C, -4°F to +131°F
Recording Format(Video)	<b>XAVC HS</b>  [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 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  <b>XAVC S</b>  [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 S 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,	<b>XAVC S-I</b>  [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)	<b>RECORDING FORMAT (AUDIO)</b>  LPCM 2ch (48kHz 16bit), LPCM 2ch (48kHz 24bit), LPCM 4ch (48kHz 24bit), MPEG-4 AAC-LC 2ch	
Recording Frame Rate	<b>XAVC HS</b>  [XAVC HS 4K] 3840x2160/119.88p, 100p, 59.94p, 50p, 23.98p  <b>XAVC S</b>  [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	<b>XAVC S-I</b>  [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,

Recording/Playback Time	<p><b>XAVC HS</b></p> <p>[XAVC HS 4K] 59.94p/50p 200M When using CEA-G160T (160 GB) Approx. 85 minutes, When using CEA-G80T (80GB) Approx. 40 minutes, 59.94p/50p 150M When using CEA-G160T (160 GB) Approx. 110 minutes, When using CEA-G80T (80GB) Approx. 55 minutes, 59.94p/50p 100M When using CEA-G160T (160 GB) Approx. 170 minutes, When using CEA-G80T (80GB) Approx. 80 minutes, 59.94p/50p 75M When using CEA-G160T (160 GB) Approx. 220 minutes, When using CEA-G80T (80GB) Approx. 100 minutes, 59.94p/50p 45M When using CEA-G160T (160 GB) Approx. 340 minutes, When using CEA-G80T (80GB) Approx. 160 minutes</p> <p><b>XAVC S</b></p> <p>[XAVC S 4K] 59.94p/50p 200M When using CEA-G160T (160 GB) Approx. 85 minutes, When using CEA-G80T (80GB) Approx. 40 minutes, 59.94p/50p 150M When using CEA-G160T (160 GB) Approx. 110 minutes, When using CEA-G80T (80GB) Approx. 55 minutes, [XAVC S HD] 59.94p/50p 50M When using CEA-G160T (160 GB) Approx. 310 minutes, When using CEA-G80T (80GB) Approx. 150 minutes, 59.94p/50p 25M When using CEA-G160T (160 GB) Approx. 550 minutes, When using CEA-G80T (80GB) Approx. 390 minutes</p> <p><b>XAVC S-I</b></p> <p>[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</p>	<p><b>PROXY AUDIO</b></p> <p>XAVC Proxy: AAC-LC, 128kbps, 2 channels</p> <p><b>PROXY VIDEO</b></p> <p>1280 x 720 (Approx. 6Mbps), 1920 x 1080 (Approx. 9Mbps), 1920 x 1080 (Approx. 16Mbps)</p>
RAW Output	<p><b>RAW OUTPUT</b></p> <p>HDMI: 4264 x 2408 (59.94p/50p/29.97p/25p/23.98p), 16bit</p>	
Other Video Function	<p><b>VIDEO FUNCTIONS</b></p> <p>Audio Level Display, Audio Rec Level, TC/UB, Creative Look, Gamma Display Assist, PAL/NTSC Selector</p>	
Camera Section	<p><b>SENSOR TYPE</b></p> <p>35mm full frame (35.6 x 23.8 mm), Exmor R CMOS sensor</p> <p><b>PIXELS</b></p> <p>Approx. 10.2 megapixels (effective) for movies, Approx. 12.1 megapixels (effective) for Still images, Approx. 12.9 megapixels (total)</p>	<p><b>SENSITIVITY</b></p> <p>[Movie] ISO 80-102400 equivalent (ISO numbers up to ISO 409600 can be set as expanded ISO range.), AUTO (ISO 80-12800, selectable lower limit and upper limit), [Still image] ISO 80-102400 (ISO numbers up from ISO 400 to ISO 409600 can be set as expanded ISO range.), AUTO (ISO 80-12800, selectable lower limit and upper limit)</p> <p><b>SHUTTER SPEED</b></p> <p>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</p>
Slow & Quick Motion	<p><b>XAVC HS</b></p> <p>XAVC HS 4K: [NTSC mode] 1fps, 2fps, 4fps, 8fps, 15fps, 30fps, 60fps, 120fps, [PAL mode] 1fps, 2fps, 3fps, 6fps, 12fps, 25fps, 50fps, 100fps</p> <p><b>XAVC S</b></p> <p>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<sup>2</sup>, [PAL mode] 1fps, 2fps, 3fps, 6fps, 12fps, 25fps, 50fps, 100fps, 200fps<sup>2</sup></p>	<p><b>XAVC S-I</b></p> <p>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<sup>2</sup>, [PAL mode] 1fps, 2fps, 3fps, 6fps, 12fps, 25fps, 50fps, 100fps, 200fps<sup>2</sup></p>
White Balance	<p><b>WHITE BALANCE MODES</b></p> <p>Auto / Daylight / Shade / Cloudy / Incandescent / Fluorescent / Flash / Underwater / Color Temperature (2500 to 9900K) &amp; color filter / Custom</p>	
Gamma	<p><b>GAMMA CURVE</b></p> <p>Off / PP1-PP11, Parameters: Black level, Gamma (Movie, Still, S-Cinetone, Cine1-4, ITU709, ITU709 [800%], S-Log2, S-Log3, HLG, HLG1-3), Black Gamma, Knee, Color Mode, Saturation, Color Phase, Color Depth, Detail, Copy, Reset</p>	
Latitude	<p><b>LATITUDE</b></p> <p>15+ stop (S-Log3)</p>	

Focus System	<p><b>TYPE</b></p> <p>Fast Hybrid AF (phase-detection AF / contrast-detection AF)</p> <p><b>FOCUS POINT</b></p> <p>[Movie] 627 points, [Still image] 35mm full frame: 759 points (phase-detection AF)</p> <p><b>SENSITIVITY RANGE</b></p> <p>EV-6 to EV20 (ISO100 equivalent with F2.0 lens attached)</p>	<p><b>FOCUS MODE</b></p> <p>[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</p> <p><b>FOCUS AREA</b></p> <p>[Movie] Wide / Zone / Center / Flexible Spot / Expanded Flexible Spot, [Still image] Wide / Zone / Center / Flexible Spot / Expanded Flexible Spot / Tracking</p> <p><b>OTHER FOCUS FEATURES</b></p> <p>Eye AF ([Movie] Human (Right/Left Eye Select), ([Still image] Human (Right/Left Eye Select) / Animal, 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 (35mm full frame: 2.1x / 4.1x, APS-C: 1.5x / 3.0x)</p>
Exposure Control	<p><b>METERING SENSITIVITY</b></p> <p>EV-3 to EV20 (at ISO100 equivalent with F2.0 lens attached)</p>	<p><b>EXPOSURE MODES</b></p> <p>[Movie] Programmed AE (P) / Aperture priority (A) / Shutter-speed priority (S) / Manual (M) / Flexible Exp. Mode, [Still images] AUTO (iAuto), P, A, S, M</p>
Recording (Still image)	<p><b>RECORDING FORMAT</b></p> <p>JPEG (DCF Ver. 2.0, Exif Ver. 2.32, MPF Baseline compliant), HEIF (MPEG-A MIAF compliant), RAW (Sony ARW 4.0 format compliant)</p>	<p><b>IMAGE SIZE</b></p> <p>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</p>
Playback	<p><b>PLAYBACK FUNCTIONS</b></p> <p>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)</p>	
Interface	<p><b>AUDIO INPUT</b></p> <p>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</p> <p><b>USB</b></p> <p>USB Type-C (x1, SuperSpeed USB 5Gbps (USB 3.2) compatible), Multi/Micro USB (x1)</p> <p><b>HEADPHONE OUTPUT</b></p> <p>Yes (3.5 mm Stereo minijack)</p> <p><b>SPEAKER OUTPUT</b></p> <p>Built-in, monaural</p>	<p><b>HDMI OUTPUT</b></p> <p>HDMI jack (Type-A), YCbCr 4:2:2 10bit / RGB 8bit</p> <p><b>MULTI INTERFACE SHOE</b></p> <p>With Digital Audio Interface</p> <p><b>BLUETOOTH</b></p> <p>Bluetooth Standard Ver. 5.0 (2.4GHz band))</p>
Media	<p><b>MEDIA TYPE</b></p> <p>CFexpress Type A / SD card (x2), Simult. Rec, Sort, Auto Switch Media, Copy</p>	
Monitoring	<p><b>LCD</b></p> <p>7.5cm (3.0-type) type, approx. 1.44M dots, Opening Angle:Approx. 176 deg., Rotation Angle:Approx. 270 deg.</p>	
Built-in Microphone	<p><b>BUILT-IN MICROPHONE</b></p> <p>Built-in, stereo</p>	
File System	<p><b>FILE SYSTEM</b></p> <p>FAT12, 16, 32, exFAT</p>	
Zoom	<p><b>ZOOM FUNCTION</b></p> <p>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)</p>	

Still image function	<p><b>SHUTTER</b></p> <p>Mechanical shutter / Electronic shutter</p> <p><b>DRIVE MODES</b></p> <p>Single Shooting, Continuous shooting (Hi+/Hi/Mid/Lo selectable), Self-timer, Self-timer (Cont.), Bracket: Single, Bracket: Cont., White Balance bracket, DRO bracket</p> <p><b>CONTINUOUS SHOOTING SPEED</b></p> <p>Hi+: 10 fps, Hi: 8 fps, Mid: 6 fps, Lo: 3 fps</p>	<p><b>NOISE REDUCTION</b></p> <p>Long exposure NR: On/Off, available at shutter speeds longer than 1 sec., High ISO NR: Normal / Low / Off</p> <p><b>FLASH CONTROL</b></p> <p>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.</p> <p><b>OTHER STILL IMAGE FUNCTION</b></p> <p>Electronic Front Shutter Curtain, Silent Shooting, Anti-flicker Shoot <sup>3</sup></p>
Image Stabilization	<p><b>TYPE</b></p> <p>Image Sensor-Shift mechanism with 5-axis compensation (Compensation depends on lens specifications)</p> <p><b>MODE</b></p> <p>[Movie] Active / Standard / Off, [Still image] On / Off</p>	<p><b>COMPENSATION EFFECT (STILL IMAGES)</b></p> <p>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.)</p>
Custom Function	<p><b>CUSTOM FUNCTION</b></p> <p>Custom key settings, My Menu, My Dial Settings, Reg. Custom Shoot Set</p>	
Lens Compensation	<p><b>LENS COMPENSATION</b></p> <p>Peripheral Shading, Chromatic Aberration, Distortion</p>	
Wi-Fi/NFC	<p><b>SUPPORTED FORMAT</b></p> <p>IEEE 802.11a/b/g/n/ac</p> <p><b>FREQUENCY BAND</b></p> <p>2.4GHz band/5GHz band <sup>4</sup></p>	<p><b>SECURITY</b></p> <p>WEP/WPA-PSK/WPA2-PSK</p> <p><b>NFC</b></p> <p>NFC Forum Type 3 Tag compliant</p>
FTP Transfer	<p><b>FTP TRANSFER</b></p> <p>Wired LAN (USB-LAN), USB Tethering, Wi-Fi</p>	
Supplied Accessories	<p><b>SUPPLIED ACCESSORIES</b></p> <p>Accessory shoe cap, Accessory shoe kit, Battery Charger BC-QZ1, Body cap, Handle shoe cap, Power cord, Rechargeable Battery NP-FZ100, USB-A to USB-C cable (USB 3.2), XLR handle unit</p>	