

SONY

< FR7 CINEMA LINE FULL-FRAME PTZ CAMERA

FULL SPECIFICATIONS AND FEATURES

General	LENS MOUNT E-mount	
Size and Weight	WEIGHT (MAIN UNIT ONLY) (APPROX.) Approx. 10 lb 2.3 oz (4.6 kg) (body only)	DIMENSIONS (W X H X D) (BODY WITHOUT PROTRUSIONS) (APPROX.) Approx. 8.94 x 11.38 x 9.17 inch (227 x 289 x 233 mm) (body without protrusions)
Power	POWER REQUIREMENTS DC 19.5 V, PoE++ (IEEE802.3bt Type 4 Class 8 compliant) 41.1 V–57.0 V	POWER CONSUMPTION ≤80 W (DC 19.5 V) / ≤71.3 W (PoE++)
Operation	OPERATING TEMPERATURE 32 °F to 104 °F (0 °C to 40 °C) STORAGE TEMPERATURE −4 °F to +140 °F (−20 °C to +60 °C)	CEILING MOUNT Yes (with Ceiling Bracket option) TALLY LAMP Left (x1)/Right (x1), Red/Green

Recording Format (Video)	XAVC INTRA XAVC-I DCI4K 59.94p mode: VBR, MAX bit rate 600 Mbps, MPEG-4 AVC/H.264, XAVC-I DCI4K 50p mode: VBR, MAX bit rate 500 Mbps, MPEG-4 AVC/H.264, XAVC-I DCI4K 29.97p mode: VBR, MAX bit rate 300 Mbps, MPEG-4 AVC/H.264, XAVC-I DCI4K 25p mode: VBR, MAX bit rate 250 Mbps, MPEG-4 AVC/H.264, XAVC-I DCI4K 24p mode: VBR, MAX bit rate 240 Mbps, MPEG-4 AVC/H.264, XAVC-I DCI4K 23.98p mode: VBR, MAX bit rate 240 Mbps, MPEG-4 AVC/H.264, XAVC-I QFHD 59.94p mode: VBR, MAX bit rate 600 Mbps, MPEG-4 AVC/H.264, XAVC-I QFHD 50p mode: VBR, MAX bit rate 500 Mbps, MPEG-4 AVC/H.264, XAVC-I QFHD 29.97p mode: VBR, MAX bit rate 300 Mbps, MPEG-4 AVC/H.264, XAVC-I QFHD 25p mode: VBR, MAX bit rate 250 Mbps, MPEG-4 AVC/H.264, XAVC-I QFHD 23.98p mode: VBR, MAX bit rate 240 Mbps, MPEG-4 AVC/H.264, XAVC-I HD 59.94p mode: CBG, MAX bit rate 222 Mbps, MPEG-4 AVC/H.264, XAVC-I HD 50p mode: CBG, MAX bit rate 223 Mbps, MPEG-4 AVC/H.264, XAVC-I HD 29.97p mode: CBG, MAX bit rate 111 Mbps, MPEG-4 AVC/H.264, XAVC-I HD 25p mode: CBG, MAX bit rate 112 Mbps, MPEG-4 AVC/H.264, XAVC-I HD 23.98p mode: CBG, MAX bit rate 89 Mbps, MPEG-4 AVC/H.264	XAVC LONG XAVC-L QFHD 29.97p/25p/23.98p mode: VBR, MAX bit rate 100 Mbps, MPEG-4 H.264/AVC, XAVC-L QFHD 59.94p/50p mode: VBR, MAX bit rate 150 Mbps, MPEG-4 H.264/AVC, XAVC-L HD 29.97p/25p/23.98p/59.94p/50p mode: VBR, MAX bit rate 50 Mbps, MPEG-4 H.264/AVC, XAVC-L HD 29.97p/25p/23.98p/59.94p/50p mode: VBR, MAX bit rate 35 Mbps, MPEG-4 H.264/AVC
Recording Format (Audio)	RECORDING FORMAT (AUDIO) LPCM 24 bits, 48 kHz, 4 channels	
Recording Frame Rate	XAVC INTRA XAVC-I DCI4K mode: 4096 x 2160/59.94p, 50p, 29.97p, 23.98p, 25p, 24p, XAVC-I QFHD mode: 3840 x 2160/59.94p, 50p, 29.97p, 23.98p, 25p, XAVC-I HD mode: 1920 x 1080/59.94p, 50p, 29.97p, 23.98p, 25p	XAVC LONG XAVC-L QFHD mode: 3840 x 2160/59.94p, 50p, 29.97p, 23.98p, 25p, XAVC-L HD 50 mode: 1920 x 1080/59.94p, 50p, 29.97p, 23.98p, 25p, XAVC-L HD 35 mode: 1920 x 1080/59.94p, 50p, 29.97p, 23.98p, 25p

Recording/ Playback Time	XAVC INTRA XAVC-I DCI4K/QFHD 59.94p When using CEA-G160T (160 GB) Approx. 30 minutes When using CEA-G80T (80 GB) Approx. 15 minutes, XAVC-I DCI4K/QFHD 50p When using CEA-G160T (160 GB) Approx. 36 minutes When using CEA-G80T (80 GB) Approx. 17 minutes, XAVC-I DCI4K/QFHD 29.97p When using CEA-G160T (160 GB): Approx. 60 minutes When using CEA-G80T (80 GB) Approx. 29 minutes, XAVC-I DCI4K/QFHD 25p When using CEA-G160T (160 GB): Approx. 71 minutes When using CEA-G80T (80 GB) Approx. 35 minutes, XAVC-I DCI4K 24p When using CEA-G160T (160 GB): Approx. 74 minutes When using CEA-G80T (80 GB) Approx. 36 minutes, XAVC-I DCI4K/QFHD 23.98p When using CEA-G160T (160 GB): Approx. 74 minutes When using CEA-G80T (80 GB) Approx. 36 minutes, XAVC-I HD 59.94p When using CEA-G160T (160 GB): Approx. 78 minutes When using CEA-G80T (80 GB) Approx. 38 minutes, XAVC-I HD 50p When using CEA-G160T (160 GB): Approx. 78 minutes When using CEA-G80T (80 GB) Approx. 38 minutes, XAVC-I HD 29.97p When using CEA-G160T (160 GB): Approx. 150 minutes When using CEA-G80T (80 GB) Approx. 74 minutes, XAVC-I HD 25p When using CEA-G160T (160 GB): Approx. 150 minutes When using CEA-G80T (80 GB) Approx. 74 minutes, XAVC-I HD 23.98p When using CEA-G160T (160 GB): Approx. 185 minutes When using CEA-G80T (80 GB) Approx. 91 minutes, XAVC LONG XAVC-L QFHD 29.97p/25p/23.98p When using CEA-G160T (160 GB): Approx. 170 minutes When using CEA-G80T (80 GB) Approx. 86 minutes, XAVC-L QFHD 59.94p/50p When using CEA-G160T (160 GB): Approx. 115 minutes When using CEA-G80T (80 GB) Approx. 57 minutes, XAVC-L HD 50 /29.97p/25p/23.98p/59.94p/50p When using CEA-G160T (160 GB): Approx. 320 minutes When using CEA-G80T (80 GB) Approx. 155 minutes, XAVC-L HD 35 29.97p/25p/23.98p/59.94p/50p When using CEA-G160T (160 GB): Approx. 430 minutes When using CEA-G80T (80 GB) Approx. 210 minutes	PROXY AUDIO XAVC Proxy: AAC-LC, 128 kbps, 2 channels PROXY VIDEO XAVC Proxy: Advanced Video Coding/H.264 High Profile 4:2:0 Long GOP, VBR 1920 x 1080, 9 Mbps
---------------------------------	---	---

Camera Section	SENSOR TYPE 35 mm full frame (35.6 x 23.8 mm), Exmor R CMOS sensor PIXELS Approx. 12.9 megapixels (total), Approx. 10.3 megapixels (effective) BUILT-IN OPTICAL FILTERS Clear, linear variable ND (1/4 ND to 1/128 ND)	SENSITIVITY ISO 800/12800 (Cine EI mode, D55 Light source) SHUTTER SPEED 64 frame to 1/8000 s
Slow and Quick Motion	XAVC-I 4096 x 2160: 1 to 60 frames (59.94/50/29.97/25/24/23.98)	XAVC-I/L 3840 x 2160: 1 to 60, 100, 120 frames (59.94/50/29.97/25/23.98), 1920 x 1080: 1 to 60, 100, 120, 150, 180, 200, 240 frames (59.94/50/29.97/25/23.98)
White Balance	WHITE-BALANCE MODES Preset, Memory A (2,000K–15,000K)/ATW	
Exposure	GAIN CONTROL –3 to 30 dB (every 1 dB), AGC	
Gamma	GAMMA CURVE SDR Mode: S-Cinetone, Standard, Still, ITU709 / HDR mode: HLG_Live, HLG_Natural	
Latitude	LATITUDE 15+ stop	
Focus System	TYPE Fast Hybrid AF (phase-detection AF / contrast-detection AF) FOCUS POINT 627 points	FOCUS AREA Wide / Zone / Flexible Spot OTHER FOCUS FEATURES Eye AF (Human), Real-time Tracking AF, AF Subject Shift Sensitivity, AF Transition Speed, Face detection (Face/Eye Priority, Face/Eye Only AF)

Pan/Tilt	PAN/TILT ANGLE Pan: -170 deg. to 170 deg., Tilt: -30 deg. to 195 deg., PAN/TILT SPEED Pan: 0.02 deg. to 60 deg./s, Tilt: 0.02 deg. to 60 deg./s	PAN/TILT OPERATION NOISE NC35 or less
Other Features	PRESET POSITION 100	CLEAR IMAGE ZOOM QFHD/4K: 1.5x, HD: 2x
WebAPP	SUPPORTED OPERATION SYSTEMS Windows 10 or later, macOS 10.15 or later, iPadOS 15 or later, Android 12 or later	SUPPORTED WEB BROWSERS Windows: Google Chrome, Mac: Google Chrome/Safari, iPad: Google Chrome/Safari, Android: Google Chrome
Interface	TC INPUT/TC OUTPUT BNC (x1), TC IN only AUDIO INPUT XLR-type 5-pin (female) (x1) line/mic/mic +48 V selectable, Mic Reference: -30 to -80 dBu SDI OUTPUT BNC (x1), 12G-SDI, 6G-SDI, 3G-SDI(Level A/B), HD-SDI DC INPUT DC jack (x1) HDMI OUTPUT Type-A connector (x1)	REMOTE RJ-45 (OPTION) (x1), Red Tally IO/Green Tally IO GENLOCK INPUT BNC (x1), 1.0 Vp-p, 75 Ω OPTICAL OUTPUT SFP+ compliant ¹ NETWORK RJ-45 (LAN) (x1), 1000BASE-T IR REMOTE CONTROL Yes
Output Format	SDI 4096 x 2160: 59.94p, 50p, 29.97p, 25p, 24p, 23.98p / 3840 x 2160: 59.94p, 50p, 29.97p, 25p, 23.98p / 1920 x 1080: 59.94p, 50p, 59.94i, 50i, 29.97p, 25p, 24p, 23.98p, 29.97PsF, 25PsF	HDMI 4096 x 2160: 59.94p, 50p, 29.97p, 25p, 24p, 23.98p / 3840 x 2160: 59.94p, 50p, 29.97p, 25p, 23.98p / 1920 x 1080: 59.94p, 50p, 59.94i, 50i, 29.97p, 25p, 24p, 23.98p / 720 x 480: 59.94p / 720 x 576: 50p
Media	MEDIA TYPE CFexpress Type A / SD card (x2)	

Network/IP Streaming	PROTOCOLS (IPV6) TCP, UDP, ICMPv6, HTTP, HTTPS, DHCPv6, DNS, mDNS, RTP/RTCP, RTSP, SRT, FTP, FTPS PROTOCOLS (IPV4) TCP, UDP, ARP, ICMP, HTTP, HTTPS, DHCP, DNS, mDNS, RTP/RTCP, RTSP, VISCA over IP, SRT, NDI HX, FTP, FTPS VIDEO RESOLUTION 4096 x 2160, 3840 x 2160, 2048 x 1080, 1920 x 1080, 1280 x 720, 640 x 360 COMPRESSION FORMAT H.264: High/Main/Baseline Profile, H.265: Main/Main10 Profile MAXIMUM FRAME RATE H.264/H.265: 59.94fps BITRATE CONTROL MODE CBR/VBR BITRATE SETTING 512 Kbps–80 Mbps NDI HX CAPABILITY Yes, optional ²
Accessibility	SCREEN READER Yes (Language: English, Speed: 7 steps, Volume: 15 steps) ³
Supplied Accessories	SUPPLIED ACCESSORIES Body cap, HDMI cable fixing plate, REMOTE COMMANDER (RMT-RC1), AC Adapter, Power cord, Before Using This Unit, Warranty booklet