# SONY



# FS7<sub>II</sub>

PXW-FS7M2/FS7M2K

Solid-State Memory Camcorder















FS7 II dramatically improves the experience of shooting with Sony's ultimate documentary camcorder and simply one of the world's most versatile Super 35mm camcorders. A host of enhancements, from world-leading Electronic Variable ND system to lever lock type E-mount and enhanced ergonomics, transform the possibilities of what you can do.

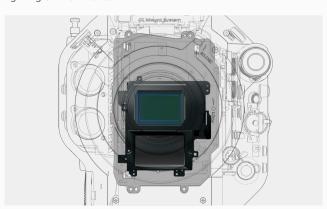
Shoot and move. Handheld, shoulder-mount or suspended from a gimbal. FS7 II delivers the spectacular imagery you expect from Sony.

### Electronic Variable ND Filter

#### Freedom to shoot and move with Electronic Auto Variable ND

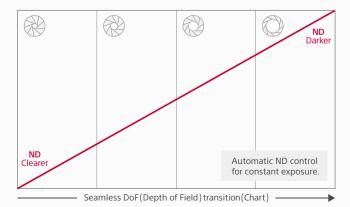
Shooting with FS7 II is a truly liberating experience. Sony's unrivalled technology, the Electronic Variable ND Filter, can be manually controlled from 1/4ND to 1/128ND linearly either by the dial on the operator's side of the camera or via the front wheel on the SmartGrip. In addition, you can choose Auto Variable ND mode and let the camera adjust for ideal exposure - shoot and move with no need to worry about changing light conditions, no time wasted fiddling with exposure settings or changing filters.

Variable ND filter can also compensate for exposure changes caused by iris control while adjusting the depth of field (details in the chart below). Alternatively, the operator can adjust exposure while keeping the same depth of field in changing shooting or lighting environments.





 ${\sf Seamless\ DoF(Depth\ of\ Field\,)}\ transition ({\sf Footage})$ 



# **High Performance Super 35mm** with Ultimate Versatility

## Lever Lock Type E-mount

#### E-mount flexibility extended

E-mount offers unsurpassed compatibility with Sony lenses. And for FS7 II there's an all-new lever lock design. The FS7 II's new E-mount (lever lock type) gives users the ability to change lenses by rotating the locking collar rather than the lens itself, which means that in most cases lens support rigs don't need to be removed, saves time during a production. The process of switching lens can be simplified to save time. Whatever your lens requirements. FS7 II has you covered.

You also have the choice of purchasing the FS7 II on its own (PXW-FS7M2) or with SELP18110G lens (PXW-FS7M2K).



## Super 35mm Zoom Lens

#### Super 35/APS-C power zoom for 4K movies

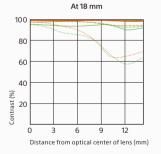
SELP18110G powered zoom lens delivers optimum performance in Super 35/APS-C moviemaking applications, starting at 18 mm wide-angle and extending through an impressive 6.1x zoom range with a constant F4 maximum aperture.

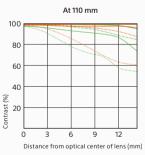
#### G Lens optical performance suitable for 4K throughout the zoom range.

- Lag-free mechanical manual zoom for high-level, versatile zoom control.
- Refined manual focus operation for subtle adjustment.
- Optical SteadyShot image stabilization helps keep images blur-free as well as minimising the need to boost ISO in low light conditions.
- Compact, lightweight design ideal for active shooting and when using gimbals.
- Reliable in challenging conditions with a sealed dust and moisture resistant design.



E PZ 18-110mm F4 G OSS / SELP18110G





Spatial frequency	Max. aperture		F8 aperture	
Spatial frequency	R	T	R	T
10 line pairs / mm	_			
30 line pairs / mm				
•			_	

R: Radial values T: Tangential values

## Other Features

#### Comfortable to use, especially when operating for hours in the field

- Ten assign buttons
- Viewfinder arm and mic holder can be swapped for left-eye shooting.
- More settings for the telescoping arm

#### 180fps High Frame Rage in Full HD without cropping

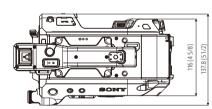
Sony's XAVC Intra and XAVC Long recording system for luxurious colour at money-saving bitrates Support for the BT.2020

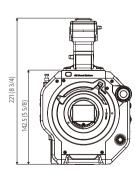
XQD™ memory cards, as next-generation memory

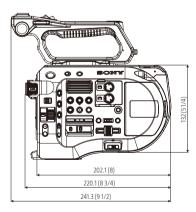
### **Specifications**

- p	
Gonoral	PXW-FS7M2
Mass Mass	Approx. 2.0 kg (body only)
	Approx. 4.5 kg (with Viewfinder, Eyepiece, Grip Remote Control, BP-U30 battery, SELP18110G LENS, an XQD memory card)
Dimensions (W x H x D)*	159 x 245.5 x 247 mm (body without protrusions)
Power Requirements	DC 16.5 V (battery pack) DC 12.0 V (AC adaptor)
Power Consumption	Approx. 19 W (while recording XAVC-I QFHD 59.94P, SELP18110G Lens, Viewfinder ON, not using external device)
Operating Temperature	0°C to 40°C (32°F to 104°F)
Storage Temperature	-20°C to +60°C (-4°F to +140°F)
Battery Operating Time	Approx. 1 hrs. with BP-U30 battery (while recording XAVC-I QFHD 59.94P, SELP18110G Lens, Viewfinder ON, not using external device) Approx. 2 hrs. with BP-U60 battery
	while recording XAVC-1 QFHD 59-94P, SELP18110G Lens, Viewfinder ON, not using external device)  Approx. 3 hrs. with BP-U90 battery
	(while recording XAVC-I QFHD 59.94P, SELP18110G Lens, Viewfinder ON, not using external device)
Recording Format (Video)	<xavc intra=""> XAVC-I mode:DCI4K 59.94P</xavc>
	CBG, bit rate 600Mbps, MPEG-4 H.264/AVC
	XAVC-I mode:DCI4K 50P
	CBG, bit rate 500Mbps, MPEG-4 H.264/AVC XAVC-I mode:DCI4K 29.97P
	CBG, bit rate 300Mbps, MPEG-4 H.264/AVC
	XAVC-I mode:DCI4K 23.98P
	CBG, bit rate 240Mbps, MPEG-4 H.264/AVC XAVC-I mode:DCI4K 24.00P
	CBG, bit rate 240Mbps, MPEG-4 H.264/AVC
	XAVC-I mode: DCI4K 25P
	CBG, bit rate 250Mbps, MPEG-4 H.264/AVC XAVC-I mode:QFHD 59.94P
	CBG, bit rate 600Mbps, MPEG-4 H.264/AVC
	XAVC-I mode:QFHD 50P
	CBG, bit rate 500Mbps, MPEG-4 H.264/AVC XAVC-I mode:QFHD 29.97P
	CBG, bit rate 300Mbps, MPEG-4 H.264/AVC
	XAVC-I mode:QFHD 23.98P
	CBG, bit rate 240Mbps, MPEG-4 H.264/AVC XAVC-I mode:QFHD 25P
	CBG, bit rate 250Mbps, MPEG-4 H.264/AVC
	XAVC-I mode:HD 59.94P VBR, maximum bit rate 222Mbps, MPEG-4 H.264/AVC
	XAVC-I mode:HD 50P VBR, maximum bit rate 185Mbps, MPEG-4 H.264/AVC
	XAVC-I mode:HD 59.94i VBR, maximum bit rate 111Mbps, MPEG-4 H.264/AVC
	XAVC-I mode:HD 50i
	VBR, maximum bit rate 112Mbps, MPEG-4 H.264/AVC XAVC-1 mode:HD 29.97P
	VBR, maximum bit rate 111Mbps, MPEG-4 H.264/AVC XAVC-I mode:HD 23,98P
	VBR, maximum bit rate 89Mbps, MPEG-4 H.264/AVC
	XAVC-I mode:HD 25P VBR, maximum bit rate 112Mbps, MPEG-4 H.264/AVC
	<xavc long=""></xavc>
	XAVC-L QFHD 59.94P/50P mode: VBR, maximum bit rate 150Mbps, MPEG-4 H.264/AVC
	XAVC-L QFHD 29.97P/23.98P/25P mode:
	VBR, maximum bit rate 100Mbps, MPEG-4 H.264/AVC
	XAVC-L HD 50 mode: VBR, maximum bit rate 50Mbps, MPEG-4 H.264/AVC
	XAVC-L HD 35 mode:
	VBR, maximum bit rate 35Mbps, MPEG-4 H.264/AVC XAVC-L HD 25 mode:
	VBR, maximum bit rate 25Mbps, MPEG-4 H.264/AVC
	<mpeg-2 gop="" long=""> MPEG HD422 mode:</mpeg-2>
	CBR, maximum bit rate 50Mbps, MPEG-2 422P@HL
Recording Format (Audio)	LPCM 24 bits, 48 kHz, 4 channels
Recording Frame Rate	<xavc intra=""></xavc>
	XAVC-I DCI4K mode: 4096x2160/ 59.94P, 50P, 29.97P, 23.98P, 24P, 25P XAVC-I OFHD mode: 3840x2160/ 59.94P, 50P, 29.97P, 23.88P, 25P XAVC-I UP: http://doi.org/10.0416/0.0416
	XAVC-I HD mode: 1920x1080/59.94P, 50P, 59.94i, 50i, 29.97P, 23.98P, 25P <xavc long=""></xavc>
	XAVC-L OFHD mode: 3840x2160/59.94P. 50P. 29.97P. 23.98P. 25P
	XAVC-L HD 50 mode: 1920x1080/59.94P, 50P, 59.94I, 50I, 29.97P, 23.98P, 25P
	XAVC-L 35 mode: 1920x1080/59.94P, 50P, 59.94i, 50i, 29.97P, 23.98P, 25P XAVC-L 25 mode: 1920x1080/59.94i, 50i
	<mpeg-2 gop="" long=""></mpeg-2>
	MPEG HD422 mode: 1920x1080/59.94i, 50i, 29.97P, 23.98P, 25P 1280x720/59.94P, 50P, 29.97P, 23.98P, 25P
	1200A120133.3F1, 301, 23.31F, 23.30F, 23F

#### **Dimensions**







Unit: mm (inches)

Describes (Displayed ***	PXW-FS7M2
Recording/Playback Time	<xavc intra=""> XAVC-I mode QFHD 59.94P</xavc>
	When using QD-G128E (128GB): Approx. 22 minutes
	XAVC-I mode QFHD 50P When using QD-G128E (128GB): Approx. 26 minutes
	XAVC-I mode QFHD 29.97P
	When using QD-G128E (128GB): Approx. 44 minutes XAVC-I mode QFHD 23.98P
	When using QD-G128E (128GB): Approx. 55 minutes
	XAVC-I mode QFHD 25P
	When using QD-G128E (128GB): Approx. 52 minutes XAVC-I mode HD 59.94P
	When using QD-G128E (128GB): Approx. 59 minutes
	XAVC-I mode HD 50P When using QD-G128E (128GB): Approx. 71 minutes
	XAVC-I mode HD 59.94i
	When using QD-G128E (128GB): Approx. 118 minutes XAVC-I mode HD 50i
	When using QD-G128E (128GB): Approx. 141 minutes
	XAVC-I mode HD 29.97P When using QD-G128E (128GB): Approx. 118 minutes
	XAVC-I mode HD 23.98P
	When using QD-G128E (128GB): Approx. 147 minutes XAVC-I mode HD 25P
	When using QD-G128E (128GB): Approx. 141 minutes
	<xavc long=""></xavc>
	XAVC-L mode QFHD 59.94P/50P When using QD-G128E (128GB): Approx. 87 minutes
	XAVC-L mode QFHD 29.97P/23.98P/25P mode:
	When using QD-G128E (128GB): Approx. 131 minutes XAVC-L 50 mode
	When using QD-G128E (128GB): Approx. 262 minutes
	XAVC-L 35 mode
	When using QD-G128E (128GB): Approx. 374 minutes XAVC-L 25 mode
	When using QD-G128E (128GB): Approx. 524 minutes
	<mpeg-2 gop="" long=""> MPEG HD422 mode</mpeg-2>
	When using QD-G128E (128GB): Approx. 262 minutes
Lens Mount	E-mount (lever lock type)
Lens Mount Camera Section	E-mount (level lock type)
Imaging Device (Type)	Super35 type Single-chip Exmor CMOS
Effective Picture Elements	17:9 4096 (H) x 2160 (V)
Built-in Optical Filters	16:9 3840 (H) x 2160 (V) ND filters
bank in optical rincis	OFF: CLEAR
	1: 1/4ND 2: 1/16ND
	3: 1/64ND
5 11 1 (2000) 00 00	Linear variable ND (1/4ND to 1/128ND)
Sensitivity (2000 lx, 89.9% reflectance) ISO Sensitivity	Video Gamma: T14 (3840 x 2160/23.98P mode 3200K) ISO 2000 (S-Log3 Gamma D55 Light source)
Minimum Illumination	0.7 lx (+18dB,23.98P,Shutter OFF,ND Clear, F1.4)
S/N Ratio	57 dB (Y) (typical)
Shutter Speed	1/3 sec to 1/9,000 sec
Slow & Quick Motion Function	XAVC-I mode 3840 x 2160: 1 to 60 frames (59.94P, 50P, 29.97P, 23.98P, 25P)
	XAVC-I mode 1920 x 1080: 1 to 180 frames (59.94P, 29.97P, 23.98P)
	1 to 180 frames (59.94P, 29.97P, 23.98P) 1 to 150 frames (50P,25P)
	1 to 180 frames (59.94P, 29.97P, 23.98P) 1 to 150 frames (50P,25P) XAVC-L mode 3840X2160:1 to 60 frames (59.94P, 50P, 29.97P, 23.98P, 25P)
White Balance	1 to 180 frames (59.94P, 29.97P, 23.98P) 1 to 150 frames (50P,25P)
White Balance Gain	1 to 180 frames (59.94P, 29.7P, 23.98P) 1 to 150 frames (50P,25P) XAVC-L mode 3840x2160:1 to 60 frames (59.94P, 50P, 29.97P, 23.98P, 25P) XAVC-L mode 1920x1080:1 to 120 frames (59.94P, 50P, 29.97P, 23.98P, 25P) Preset, Memory A, Memory B (1500X-50000K) /ATW -3, 0, 3, 6, 9, 12, 18 dB, AGC
Gain Gamma Curve	1 to 180 frames [59.94P, 29.97P, 23.98P] 10 150 frames [59.25P] XAVC-L mode 3840x2160: 1 to 60 frames [59.94P, 50P, 29.97P, 23.98P, 25P] XAVC-L mode 1920x1080: 1 to 120 frames [59.94P, 50P, 29.97P, 23.98P, 25P] Preset, Memory A, Memory 8 [50.00x5,0000K]/XMW
Gain	1 to 180 frames [59.94P, 29.7P, 23.98P) 1 to 150 frames [59.25P]  XAVC-L mode 3840x2160: 1 to 60 frames [59.94P, 50P, 29.97P, 23.98P, 25P)  XAVC-L mode 1920x1080: 1 to 120 frames [59.94P, 50P, 29.97P, 23.98P, 25P)  Preset, Memory A, Memory B (1500K-50000K) /ATW  3, 0, 3, 6, 9, 12, 18 dB, AGC  STD, HG, User, S-Log2, S-Log3
Gain Gamma Curve Input/Output Audio Input	1 to 180 frames (59.94P, 29.97P, 23.98P) 1 to 150 frames (59.25P)  XAVC-L mode 3840x2160: 1 to 60 frames (59.94P, 50P, 29.97P, 23.98P, 25P)  XAVC-L mode 1920x1080: 1 to 120 frames (59.94P, 50P, 29.97P, 23.98P, 25P)  Preset, Memory A, Memory 8 (1500x-5000K) /ATW  -3, 0, 3, 6, 9, 12, 18 d8, AGC  STD, HG, User, S-Log2, S-Log3  XIR-type 3-pin (female) (x2), line/mic/mic +48 V selectable  Mic Reference: -40, -50, -60 d8u
Gain Gamma Curve Input/Output	1 to 180 frames (59.94P, 29.97P, 23.98P) 1 to 150 frames (59.72F) XAV-C.1 mode 3840x2160: 1 to 60 frames (59.94P, 50P, 29.97P, 23.98P, 25P) XAV-C.1 mode 3920x1680: 1 to 10 frames (59.94P, 50P, 29.97P, 23.98P, 25P) Preset, Memory A, Memory B (1500K-50000K) /ATW -3, 0, 3, 6, 9, 12, 18 dB, AGC STD, HG, User, 5-loug, 5-Loug3 XLR-type 3-pin (female) (x2), line/mic/mic +48 V selectable Mic Reference: -40, -50, -60 dBu Mic Reference: -40, -50, -60 dBu BM(x2), switchbale with 36 SDI/HD-SDI
Gain Gamma Curve Input/Output Audio Input	1 to 180 frames (59.94P, 29.97P, 23.98P) 1 to 150 frames (59.25P)  XAVC-L mode 3840x2160: 1 to 60 frames (59.94P, 50P, 29.97P, 23.98P, 25P)  XAVC-L mode 1920x1080: 1 to 120 frames (59.94P, 50P, 29.97P, 23.98P, 25P)  Preset, Memory A, Memory 8 (1500x-5000K) /ATW  -3, 0, 3, 6, 9, 12, 18 d8, AGC  STD, HG, User, S-Log2, S-Log3  XIR-type 3-pin (female) (x2), line/mic/mic +48 V selectable  Mic Reference: -40, -50, -60 d8u
Gaim Gamma Curve Input/Output Audio Input SDI Output	1 to 180 frames (59.94P, 29.7P, 23.98P) 1 to 150 frames (59.72F) XAVC-L mode 3840x2160: 1 to 60 frames (59.94P, 50P, 29.97P, 23.98P, 25P) XAVC-L mode 3920x1080: 1 to 120 frames (59.94P, 50P, 29.97P, 23.98P, 25P) Preset, Memory A, Memory B, (1500K-50000K) /ATW -3, 0, 3, 6, 9, 12, 18.08, AGC 5TD, HG, User, 5-Log2, 5-Log3 XLR-type 3-pin (female) (x2), line/mic/mic +48 V selectable Mic Reference: -40, -50, -60 dBu BNC(x2), switchable with 3-c-507HD-SDI SMTPE29MA264M425M USB device, mini-B (x1) Steero mini jack (x1)
Gaim Gurve Input/Output Audio Input SDI Output USB Headphone Output	1 to 180 frames (59.94P, 29.7P, 23.98P) 1 to 150 frames (59.75P) XAVC-L mode 3840x2160: 1 to 60 frames (59.94P, 50P, 29.97P, 23.98P, 25P) XAVC-L mode 1920x1680: 1 to 10 frames (59.94P, 50P, 29.97P, 23.98P, 25P) Preset, Memory A, Memory B (1500K-50000K)/ATW 3, 0, 3, 6, 9, 12, 18 dB, AGC 5TD, HG, User, S-tog2, S-tog3 XLR-type 3-pin (female) (x2), line/mic/mic -48 V selectable Mic Reference: -40, -50, -60 dBu BM(x2), switchabe with 36-507/HD-SDI SMTPC29M-424M-425M USB device, mini-B (x1) Stereo mini-jack (x1) -16 dBu 160
Gaim Gamma Curve Input/Output Audio Input SDI Output USB	1 to 180 frames (59.94P, 29.7P, 23.98P) 1 to 150 frames (59.72F) XAVC-L mode 3840x2160: 1 to 60 frames (59.94P, 50P, 29.97P, 23.98P, 25P) XAVC-L mode 3920x1080: 1 to 120 frames (59.94P, 50P, 29.97P, 23.98P, 25P) Preset, Memory A, Memory B, (1500K-50000K) /ATW -3, 0, 3, 6, 9, 12, 18.08, AGC 5TD, HG, User, 5-Log2, 5-Log3 XLR-type 3-pin (female) (x2), line/mic/mic +48 V selectable Mic Reference: -40, -50, -60 dBu BNC(x2), switchable with 3-c-507HD-SDI SMTPE29MA264M425M USB device, mini-B (x1) Steero mini jack (x1)
Gaim Garma Curve Input/Output Audio Input SDI Output USB Headphone Output Speaker Output DC Input Remote	1 to 180 frames (59.94P, 29.7P, 23.98P) 1 to 180 frames (59.94P, 29.7P, 23.98P) XAVC-L mode 3840x216c1 1o 60 frames (59.94P, 50P, 29.97P, 23.98P, 25P) XAVC-L mode 1920x01880. 1 to 120 frames (59.94P, 50P, 29.97P, 23.98P, 25P) Preset, Memory A, Memory B (1500K-50000K) /ATW -3, 0, 3, 6, 9, 12, 18.8B, AGC STD, HG, User, 5-to-0g, 5-to-0g XLR-type 3-pin (female) (x2), line/mic/mic +48 V selectable Mic Reference: -40, -50, -60 dBu BRIC(x2), switchabe with 36-507/HD-SDI SMTPE292M-424M-425M USB device, mini B (x1) Stereo mini jack (x1) -16 dBu 16Ω Monaural DC jack Stereo mini-mini jack (α2.5 mm)
Gaim Gamma Curve Input/Output Audio Input SDI Output USB Headphone Output Speaker Output DC Input Remote HDMI Output	1 to 180 frames (59.94P, 29.7P, 23.98P) 1 to 180 frames (59.94P, 29.7P, 23.98P, 25.9P) XAVC-L mode 3840x2160: 1 to 60 frames (59.94P, 50P, 29.97P, 23.98P, 25P) XAVC-L mode 3840x2160: 1 to 120 frames (59.94P, 50P, 29.97P, 23.98P, 25P) Preset, Memory & I. (500x 6.0000K) / ATW -3, 0, 3, 6, 9, 12, 18 d8, AGC STD, HG, User, S-Log, S-Log3 XLR-type 3-pin (female) (x2), line/mic/mic +48 V selectable Mic Reference: +40, -50, -60 dBu BNC(x2), switchable with 36-SDV/HD-SDI SMPF2/SMA/EAM/ACSM USB device, mini-B (x1) Stereo mini jack (x1) -16 dBu 160 Monaural DC jack Stereo mini-mini jack (x2.5 mm) Type A (x1)
Gaim Gamma Curve Input/Output Audio Input Speaker Output USB Headphone Output De Input Remote HDMI Output Option	1 to 180 frames (59.94P, 29.7P, 23.98P) 1 to 180 frames (59.94P, 29.7P, 23.98P) XAVC-L mode 3840x216c1 1o 60 frames (59.94P, 50P, 29.97P, 23.98P, 25P) XAVC-L mode 1920x01880. 1 to 120 frames (59.94P, 50P, 29.97P, 23.98P, 25P) Preset, Memory A, Memory B (1500K-50000K) /ATW -3, 0, 3, 6, 9, 12, 18.8B, AGC STD, HG, User, 5-to-0g, 5-to-0g XLR-type 3-pin (female) (x2), line/mic/mic +48 V selectable Mic Reference: -40, -50, -60 dBu BRIC(x2), switchabe with 36-507/HD-SDI SMTPE292M-424M-425M USB device, mini B (x1) Stereo mini jack (x1) -16 dBu 16Ω Monaural DC jack Stereo mini-mini jack (α2.5 mm)
Gaim Gamma Curve Input/Output Audio Input SDI Output USB Headphone Output Speaker Output DC Input Remote HDMI Output	1 to 180 frames (59.94P, 29.7P, 23.98P) 1 to 180 frames (59.94P, 29.7P, 23.98P) XAW-C-L mode 3840x2160:1 to 60 frames (59.94P, 50.P, 29.97P, 23.98P, 25P) XAW-C-L mode 1920x1680:1 to 10 frames (59.94P, 50.P, 29.97P, 23.98P, 25P) Preset, Memory A, Memory B (1500K-50000K) /ATW -3, 0, 3, 6, 9, 12, 18 dB, AGC STD, HG, User, 5-104Q, S-Log3  XLR-type 3-pin (female) (x2), line/mic/mic +48 V selectable Mic Reference: -40, -50, -60 dBu BM(x2), switchabe with 36 SDI/HD-SDI SMTPE/292M-424M-425M USB device, mini-B (x1) Stereo mini jack (x1) -16 dBu 160 Monaural DC, Jack Stereo mini-mini jack (ø2.5 mm) Type A (x1) -4-pin, Type A for W-LAN (x1) -8.8 cm (3.5 type)
Gaim Gamma Curve Input/Output Audio Input SDI Output USB Headphone Output Speaker Output DC Input Remote HDMI Output Option Monitoring Built-in LCD Monitor	1 to 180 frames (59.94P, 29.7P, 23.98P) 1 to 180 frames (59.94P, 29.7P, 23.98P) XAVC-L mode 3840x2160: 1 to 60 frames (59.94P, 50P, 29.97P, 23.98P, 25P) XAVC-L mode 3840x2160: 1 to 120 frames (59.94P, 50P, 29.97P, 23.98P, 25P) Preset, Memory A, Memory B, (1500K-50000K) /ATW -3, 0, 3, 6, 9, 12, 18 d8, AGC STD, HG, User, S-Log2, S-Log3 XLR-type 3-pin (female) (x2), line/mic/mic +48 V selectable Mic Reference: -40, -50, -60 d8u BNC(x2), switchable with 36-SD/HD-SDI SMTPE29MAC9MAC9MA USB device, mini-B (XI) Stereo mini jack (x1) -16 d8u 160 Monaural DC, jack Stereo mini jack (x1) -17 jack Stereo mini-imini jack (x2.5 mm) Type A (X1)
Gaim Gamma Curve Input/Output Audio Input SDI Output USB Headphone Output Speaker Output DC Input Remote HDMI Output Option Monitoring	1 to 180 frames (59.94P, 29.7P, 23.98P) 1 to 150 frames (59.79.2F) XAW-C-L mode 3840x2160: 1 to 60 frames (59.94P, 50.P.29.97P, 23.98P, 25P) XAW-C-L mode 1920x1608: 1 to 10 frames (59.94P, 50.P.29.97P, 23.98P, 25P) Preset, Memory A, Memory B (1500K-50000K) /ATW -3, 0, 3, 6, 9, 12, 18 dB, AGC 5TD, HG, User, 5-100, 5-1003  XLR-type 3-pin (female) (x2), line/mic/mic +48 V selectable Mic Reference: -40, -50, -60 dBu BN(x2), switchabe with 36 SD/HD-SDI SMTPE/32M-424M-425M USB device, min-li 8(x1) -16 dBu 160 Monaural DC Jack Stereo mini-mini jack (x2, 50.00) Stereo mini-mini jack (x2, 50.00) Stereo mini-mini jack (x3, 50.00) Stereo mini-mini jack (x4, 50.00) -10 Jack Stereo mini-mini jack (x2, 50.00) -10 Jack Stereo mini-mini jack (x3, 50.00) -10 Jack Stereo mini-mini jack (x4, 50.00) -10 Jack Stereo mini-mini jack (x3, 50.00) -10 Jack Stereo mini-mini jack (x4, 50.00) -10 Jack Stereo mini-mini
Gaim Gamma Curve Input/Output Audio Input SDI Output USB Headphone Output DC Input Remote HDMI Output Option Monitoring Built-in LCD Monitor Built-in Microphone	1 to 180 frames (59.94P, 29.7P, 23.98P) 1 to 150 frames (59.79.2F) XAV-C. mode 3840x2160: 1 to 60 frames (59.94P, 50P, 29.97P, 23.98P, 25P) XAV-C. mode 1920x16080: 1 to 10 frames (59.94P, 50P, 29.97P, 23.98P, 25P) Preset, Memory A, Memory B (1500K-50000K) /ATW -3, 0, 3, 6, 9, 12, 18 dB, AGC STD, HG, User, S-tog2, S-tog3  XLR-type 3-pin (female) (x2), line/mic/mic -48 V selectable Mic Reference: -40, -50, -60 dBu BM(x2), switchabe with 36-SD/HD-SDI SMTPE/29M-42M-4/25M USB device, mini-B (x1) Stereo mini-jack (x1) -16 dBu 160 Monaural DC jack Stereo mini-mini jack (a2.5 mm) Type A (x1) 4-pin, Type A for W-LAN (x1) 8.8 cm (3.5 type) Approx. 1.56M dots Omni-directional monaural electret condenser microphone
Gaim Gamma Curve Input/Output Audio Input SDI Output USB Headphone Output DC Input Remote HDMI Output Option Monitoring Built-in LCD Monitor Built-in Microphone	1 to 180 frames (59.94P, 29.7P, 23.98P) 1 to 180 frames (59.94P, 50.7P, 25.98P, 25.9P) XAVC-L mode 3840x2160: 1 to 60 frames (59.94P, 50.P, 29.97P, 23.98P, 25P) XAVC-L mode 3920x1080: 1 to 120 frames (59.94P, 50.P, 29.97P, 23.98P, 25P) Preset, Memory A, Memory B (1500X-50000K) /ATW -3, 0, 3, 6, 9, 12, 18.dB, AGC STD, HG, User, 5-to-02, S-to-03 XLR-type 3-pin (female) (x2), line/mic/mic +48 V selectable Mic Reference: -40, -50, -60 dBu BRIC(x2), switchabe with 36 SDI/HD-SDI SMTPE/22M-424M-4725M USB device, min-B (x1) Stereo min-iniB (x1) Stereo min-iniB (x1) Stereo min-inini jack (x2, 5 mm) Type A (x1) 4-pin, Type A for W-LAN (x1) 8.8 cm (3.5 type) Approx. 1.56 M dots Omni-directional monaural electret condenser microphone
Gaim Gamma Curve Input/Output Audio Input SDI Output USB Headphone Output Speaker Output DC Input Remote HDMI Output Option Monitoring Built-in LCD Monitor Built-in Microphone Media Type	1 to 180 frames (59.94P, 29.7P, 23.98P) 1 to 150 frames (59.79.2F) XAV-C. mode 3840x2160: 1 to 60 frames (59.94P, 50P, 29.97P, 23.98P, 25P) XAV-C. mode 1920x16080: 1 to 10 frames (59.94P, 50P, 29.97P, 23.98P, 25P) Preset, Memory A, Memory B (1500K-50000K) /ATW -3, 0, 3, 6, 9, 12, 18 dB, AGC STD, HG, User, S-tog2, S-tog3  XLR-type 3-pin (female) (x2), line/mic/mic -48 V selectable Mic Reference: -40, -50, -60 dBu BM(x2), switchabe with 36-SD/HD-SDI SMTPE/29M-42M-4/25M USB device, mini-B (x1) Stereo mini-jack (x1) -16 dBu 160 Monaural DC jack Stereo mini-mini jack (a2.5 mm) Type A (x1) 4-pin, Type A for W-LAN (x1) 8.8 cm (3.5 type) Approx. 1.56M dots Omni-directional monaural electret condenser microphone
Gaim Gamma Curve Input/Output Audio Input SDI Output USB Headphone Output DC Input Remote HDMI Output Option Monitoring Built-in LCD Monitor Built-in Microphone	1 to 180 frames (59.94P, 29.7P, 23.98P) 1 to 180 frames (59.94P, 50.7P, 25.98P, 25.9P) XAVC-L mode 3840x2160: 1 to 60 frames (59.94P, 50.P, 29.97P, 23.98P, 25P) XAVC-L mode 3920x1080: 1 to 120 frames (59.94P, 50.P, 29.97P, 23.98P, 25P) Preset, Memory A, Memory B (1500X-50000K) /ATW -3, 0, 3, 6, 9, 12, 18.dB, AGC STD, HG, User, 5-to-02, S-to-03 XLR-type 3-pin (female) (x2), line/mic/mic +48 V selectable Mic Reference: -40, -50, -60 dBu BRIC(x2), switchabe with 36 SDI/HD-SDI SMTPE/22M-424M-4725M USB device, min-B (x1) Stereo min-iniB (x1) Stereo min-iniB (x1) Stereo min-inini jack (x2, 5 mm) Type A (x1) 4-pin, Type A for W-LAN (x1) 8.8 cm (3.5 type) Approx. 1.56 M dots Omni-directional monaural electret condenser microphone
Gaim Gamma Curve Input/Output Audio Input SDI Output USB Headphone Output Speaker Output DC Input Remote HDMI Output Option Monitoring Built-in LCD Monitor Built-in Microphone Media Type	1 to 180 frames (59.94P, 29.7P, 23.98P) 1 to 150 frames (59.79.2F) XAV-C-L mode 3840x2160:1 to 60 frames (59.94P, 50.P, 29.97P, 23.98P, 25P) XAV-C-L mode 3920x1680:1 to 10 frames (59.94P, 50.P, 29.97P, 23.98P, 25P) Preset, Memory A, Memory B (1500K-50000K) /ATW -3, 0, 3, 6, 9, 12, 18.6B, AGC STD, HG, User, 5-104Q, S-Log3  XLR-type 3-pin (female) (x2), line/mic/mic +48 V selectable Mic Reference: -40, -50, -60 dBu BN(x2), switchabe with 36-SD/HD-SDI SMTPE/392M-424M-425M USB device, mini-B (x1) Stereo mini jack (x1) -16 dBu 160 Monaural DC (jack Stereo mini-mini jack (ø2.5 mm) Type A (x1) -4-pin, Type A for W-LAN (x1)  8.8 cm (3.5 type) Approx. 1.56M dots  Cmni-directional monaural electret condenser microphone XXDD Card slot (x2) SD Card slot (x2) SD Card slot (x1) Free/Monaural Complex (x1) -4-pin (x2) -4-pin (x1) -4-pin (x1) -4-pin (x2) -4-pin (x2) -4-pin (x3) -4-pin (x3) -4-pin (x4) -4-pin (x3) -4-pin (x4) -4-pin (
Gaim Gamma Curve Input/Output Audio Input SDI Output USB Headphone Output Speaker Output DC Input Remote HDMI Output Option Monitoring Built-in LCD Monitor Built-in Microphone Media Type	1 to 180 frames (59.94P, 29.7P, 23.98P) 1 to 150 frames (59.79.2F) XAV-C-L mode 3840x2160: 1 to 60 frames (59.94P, 50P, 29.97P, 23.98P, 25P) XAV-C-L mode 3920x1680: 1 to 12 frames (59.94P, 50P, 29.97P, 23.98P, 25P) Preset, Memory A, Memory B (1500K-50000K), /ATW 3, 0, 3, 6, 9, 12, 188, AGC STD, HG, User, S-Log3  XLR-type 3-pin (female) (x2), line/mic/mic +48 V selectable Mic Reference: -40, -50, -60 dBu BKI (x2), switchabe with 36-SD/HD-SDI SMITPE292M-424M-425M USB device, min-iB X(I) Stereo mini jack (x1) -16 dBu 160 Monaural DC jack Stereo mini-mini jack (a2.5 mm) Type A (x1) Type A (x1) 4-pin, Type A for W-LAN (x1) 8.8 cm (3.5 type) Approx. 1.56M dots  Omni-directional monaural electret condenser microphone XQD Card slot (x2) SG Card slot (x2) SG Card slot (x1) Flowfunder (1) Viewfinder (1) Viewfinder (10) Viewfinder (10) Viewfinder (10) Viewfinder (10) Viewfinder (10)
Gaim Gamma Curve Input/Output Audio Input SDI Output USB Headphone Output Speaker Output DC Input Remote HDMI Output Option Monitoring Built-in LCD Monitor Built-in Microphone Media Type	1 to 180 frames (59.94P, 29.7P, 23.98P) 1 to 150 frames (59.79.2F) XAW-C-L mode 3840x2160:1 to 60 frames (59.94P, 50.P, 29.97P, 23.98P, 25P) XAW-C-L mode 3920x1680:1 to 10 frames (59.94P, 50.P, 29.97P, 23.98P, 25P) Preset, Memory A, Memory B (1500K-50000K) /ATW -3, 0, 3, 6, 9, 12, 18 dB, AGC 5TD, HG, User, 5-104Q, 5-1043  XLR-type 3-pin (female) (x2), line/mic/mic +48 V selectable Mic Reference: -40, -50, -60 dBu BN(x2), switchabe with 36-501/HD-5DI SMTPE/29.M-424M-425M USB device, min-lis (x1) -16 dBu 160 Monaural DC (Jack Stereo mini-mini jack (a2.5 mm) Type A (x1) -4-pin, Type A for W-LAN (x1)  8.8 cm (3.5 type) Approx. 1.56M dots Omni-directional monaural electret condenser microphone XQD Card slot (x2) SD Card slot (x2) SD Card slot (x2) Viewfinder (1) Viewfinder (1) Viewfinder (1) Viewfinder (1) Viewfinder (1)
Gaim Gamma Curve Input/Output Audio Input SDI Output USB Headphone Output Speaker Output DC Input Remote HDMI Output Option Monitoring Built-in LCD Monitor Built-in Microphone Media Type	1 to 180 frames (59.94P, 29.7P, 23.98P) 1 to 150 frames (59.79.2F) XAW-C-L mode 3840x2160: 1 to 60 frames (59.94P, 50.P, 29.97P, 23.98P, 25P) XAW-C-L mode 3920x1680: 1 to 10 frames (59.94P, 50.P, 29.97P, 23.98P, 25P) Preset, Memory A, Memory 8 (1500K-50000K) /ATW -3, 0, 3, 6, 9, 12, 18 d8, AGC 51D, HG, User, 5-100, 5-1003  XLR-type 3-pin (female) (x2), line/mic/mic +48 V selectable Mic Reference: -40, -50, -60 d8u BNC(x2), switchabe with 36-507/HD-SDI SMTPE/32M-424M-425M USB device, min-line 18 (x1) -16 d8u 160 Monaural DC Jack Stereo min-imin jack (x2) -16 d8u 160 Monaural DC Jack Stereo min-imin jack (x2) -50 d8u Stereo min-imin jack (x2) -50 d8u Stereo min-imin jack (x1) -16 d8u 160 Monaural DC Jack Stereo min-imin jack (x2) -50 d7u 160 d8u 160 Monaural DC Jack Stereo min-imin jack (x2) -50 d7u 160 d8u 160 Monaural DC Jack Stereo min-imin jack (x2) -50 d7u 160 d8u 160 Monaural DC Jack Stereo min-imin jack (x2) -50 d7u 160 d8u 160 Monaural DC Jack Stereo min-imin jack (x2) -50 d7u 160 d8u 160 Monaural DC Jack Stereo min-imin jack (x2) -50 d7u 160 d8u 160 Monaural DC Jack Mona
Gaim Gamma Curve Input/Output Audio Input SDI Output USB Headphone Output Speaker Output DC Input Remote HDMI Output Option Monitoring Built-in LCD Monitor Built-in Microphone Media Type	1 to 180 frames (59.94P, 29.7P, 23.98P) 1 to 150 frames (59.94P, 29.7P, 23.98P, 25P) XAVC-L mode 3840x2160: 1 to 60 frames (59.94P, 50P, 29.97P, 23.98P, 25P) XAVC-L mode 3840x2160: 1 to 60 frames (59.94P, 50P, 29.97P, 23.98P, 25P) Preset, Memory A, Memory B (1500K-50000K) /ATW -3, 0, 3, 6, 9, 12, 18.6B, AGC STD, HG, User, 5-loug, 5-Loug) XLR-type 3-pin (female) (x2), line/mic/mic +48 V selectable Mic Reference: -40, -50, -60 dBu BN(x2), switchabe with 36-S07/H0-SDI SMTPE292M-424M-425M USB device, min B (x1) Stereo min i jack (x1) -16 dBu 160 Monaural DC jack Stereo mini-mini jack (x2, 5mm) Type A (x1) 4-pin, Type A for W-LAN (x1) 8.8 cm (3.5 type) Approx. 1.56M dots Omni-directional monaural electret condenser microphone XQD Card slot (x2) SD Card slot (x2) SD Card slot (x2) Flyesing and the saving configuration data Body Cap (1) Viewfinder hood (1) Eyepiece (1) Gip Remote Commander RMT-845 (1)
Gaim Gamma Curve Input/Output Audio Input SDI Output USB Headphone Output Speaker Output DC Input Remote HDMI Output Option Monitoring Built-in LCD Monitor Built-in Microphone Media Type	1 to 180 frames (59.94P, 29.7P, 23.98P) 1 to 150 frames (59.79.2F) XAV-C-L mode 3840x2160: 1 to 60 frames (59.94P, 50.P, 29.97P, 23.98P, 25P) XAV-C-L mode 3920x16080: 1 to 10 frames (59.94P, 50.P, 29.97P, 23.98P, 25P) Preset, Memory A, Memory B (1500K-50000K) /ATW -3, 0, 3, 6, 9, 12, 18 dB, AGC -51D, HG, User, S-tog2, S-tog3  XLR-type 3-pin (female) (x2), line/mic/mic +48 V selectable Mic Reference: -40, -50, -60 dBu BN(x2), switchabe with 36-507/HD-SDI SMTPE/29M-42M-42SM USB device, mini-B (x1) -16 dBu 160 -16 dBu 160 -17 dBu 160 -18 dBu 160 -19 dBu 17 dBu 180 -19 dBu 180 -1
Gaim Gamma Curve Input/Output Audio Input SDI Output USB Headphone Output Speaker Output DC Input Remote HDMI Output Option Monitoring Built-in LCD Monitor Built-in Microphone Media Type	1 to 180 frames (59.94P, 29.7P, 23.98P) 1 to 150 frames (59.94P, 29.7P, 23.98P, 25P) XAV-C. mode 3840x2160: 1 to 60 frames (59.94P, 50.P, 29.97P, 23.98P, 25P) XAW-C. mode 1920x1080: 1 to 10 frames (59.94P, 50.P, 29.97P, 23.98P, 25P) Preset, Memory A, Memory B (1500K-50000K) /ATW -3, 0, 3, 6, 9, 12, 18.6B, AGC STD, HG, User, 5-loug, 5-Loug3  XLR-type 3-pin (female) (x2), line/mic/mic +48 V selectable Mic Reference: -40, -50, -60 d8u BNC(x2), switchabe with 36-S01/H0-SDI SMTPE292M-424M-425M USB device, mini-B (x1) Stereo mini jack (x1) -16 d8u 160 Monaural DC jack Stereo mini-mini jack (e2.5 mm) Type A (x1) -4-pin, Type A for W-LAN (x1)  8.8 cm (3.5 type) Approx. 1.56M dots  Omni-directional monaural electret condenser microphone XQD Card slot (x2) SD Card slot (x2) SD Card slot (x1) Infrared remote commander RMT-845 (1) WA Adaptor Ricket (1) WA Adaptor Ricket (1) WA Adaptor Ricket (1) WA Adaptor Ricket (1)
Gaim Gamma Curve Input/Output Audio Input SDI Output USB Headphone Output Speaker Output DC Input Remote HDMI Output Option Monitoring Built-in LCD Monitor Built-in Microphone Media Type	1 to 180 frames (59,94P, 29.7P, 23.98P) 1 to 150 frames (59,94P, 29.7P, 23.98P) XAV-C-L mode 3840x2160: 1 to 60 frames (59.94P, 50P, 29.97P, 23.98P, 25P) XAV-C-L mode 3920x1680: 1 to 10 frames (59.94P, 50P, 29.97P, 23.98P, 25P) Preset, Memory A, Memory B (1500K-50000K) /ATW -3, 0, 3, 6, 9, 12, 18 dB, AGC STD, HG, User, 5-104Q, S-Log3  XLR-type 3-pin (female) (x2), line/mic/mic +48 V selectable Mic Reference: -40, -50, -60 dBu BN((x2), switchabe) with 36-SD/HD-SDI SMTPE/392M-424M-425M USB device, mini-B (x1) -16 dBu 160 Monaural DC, Jack Stereo mini-mini jack (e2.5 mm) Type A (x1) -4-pin, Type A for W-LAN (x1) -8.8 cm (3.5 type) Approx. 1-56M dots  Cmni-directional monaural electret condenser microphone XXDD card slot (x2) SD Card slot (x2) SD Card slot (x2) -5 Card slot (x3) -6 GBu 160 -6 GBu
Gaim Gamma Curve Input/Output Audio Input SDI Output USB Headphone Output Speaker Output DC Input Remote HDMI Output Option Monitoring Built-in LCD Monitor Built-in Microphone Media Type	1 to 180 frames (59.94P, 29.7P, 23.98P) 1 to 150 frames (59.75P) XAV-C- mode 3940x2160: 1 to 60 frames (59.94P, 50.P, 29.97P, 23.98P, 25P) XAV-C- mode 3920x1680: 1 to 120 frames (59.94P, 50.P, 29.97P, 23.98P, 25P) Preset, Memory A, Memory B (1500K-50000K) /ATW 3, 0, 3, 6, 9, 12, 18 dB, AGC 5TD, HG, User, S-Log2, S-Log3  XLR-type 3-pin (female) (x2), line/mic/mic +48 V selectable Mic Reference: +40, -50, -60 dBu BN(x2), switchabe with 36-SD/HD-SDI SMTPE/39M-424M-4/SM USB device, min-list (x1) -16 dBu 160 Monaural DC jack Stereo mini-mini jack (x2) 5-mm) Type A (x1) 4-pin, Type A for W-LAN (x1) 8.8 cm (3.5 type) Approx. 1.56M dots Omni-directional monaural electret condenser microphone XOD Card slot (x2) SD Card slot (x1) Viewfinder (1) Viewfinder (1) Viewfinder (1) Viewfinder (1) Viewfinder (1) USB wireless LAN module (FU-WLM3 (1) Infraed remote common from (2) BP-U3D battery pack (1)
Gaim Gamma Curve Input/Output Audio Input SDI Output USB Headphone Output Speaker Output DC Input Remote HDMI Output Option Monitoring Built-in LCD Monitor Built-in Microphone Media Type	1 to 180 frames (59.94P, 29.7P, 23.98P) 1 to 150 frames (59.79.2F) XAW-C-L mode 3840x2160:1 to 60 frames (59.94P, 50.P, 29.97P, 23.98P, 25P) XAW-C-L mode 3920x1608:0 to 10 Grames (59.94P, 50.P, 29.97P, 23.98P, 25P) Preset, Memory A, Memory B (1500K-50000K) /ATW -3, 0, 3, 6, 9, 12, 18 dB, AGC 5TD, HG, User, 5-104Q, 5-1043  XLR-type 3-pin (female) (x2), line/mic/mic +48 V selectable Mic Reference: -40, -50, -60 dBu BNC(x2), switchabe with 36-501/HD-5DI SMTPE/292M-424M-425M USB device, min-lis (x1) -16 dBu 160 Monaural DC (Jack Stereo mini-mini jack (x2)-16 dBu 160 Monaural DC (Jack Stereo mini-mini jack (x2)-17.9F (x2)-17.9F (x3)-17.9F (x4)-17.9F (x4)-17
Gaim Gamma Curve Input/Output Audio Input SDI Output USB Headphone Output Speaker Output DC Input Remote HDMI Output Option Monitoring Built-in LCD Monitor Built-in Microphone Media Type	1 to 180 frames (59.94P, 29.7P, 23.98P) 1 to 150 frames (59.75P) XAV-C- mode 3940x2160: 1 to 60 frames (59.94P, 50.P, 29.97P, 23.98P, 25P) XAV-C- mode 3920x1680: 1 to 120 frames (59.94P, 50.P, 29.97P, 23.98P, 25P) Preset, Memory A, Memory B (1500K-50000K) /ATW 3, 0, 3, 6, 9, 12, 18 dB, AGC 5TD, HG, User, S-Log2, S-Log3  XLR-type 3-pin (female) (x2), line/mic/mic +48 V selectable Mic Reference: +40, -50, -60 dBu BN(x2), switchabe with 36-SD/HD-SDI SMTPE/39M-424M-4/SM USB device, min-list (x1) -16 dBu 160 Monaural DC jack Stereo mini-mini jack (x2) 5-mm) Type A (x1) 4-pin, Type A for W-LAN (x1) 8.8 cm (3.5 type) Approx. 1.56M dots Omni-directional monaural electret condenser microphone XOD Card slot (x2) SD Card slot (x1) Viewfinder (1) Viewfinder (1) Viewfinder (1) Viewfinder (1) Viewfinder (1) USB wireless LAN module (FU-WLM3 (1) Infraed remote common from (2) BP-U3D battery pack (1)

<sup>\*</sup> The values for dimensions are approximate.

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