General

General			
Power:	DC 7.28 V (when the battery is used) DC 12 V (when the AC adaptor is used)		
Power Consumption:	17 W (when the LCD monitor is used) 11.5 W (1080i / 422ALL-I 100M recording, when the LCD monitor is used, no external device connection)		
Operating Temperature	e:0 °C to 40 °C (32 °F to 104 °F)		
Operating Humidity:	10 % to 80 % (no condensation)		
Weight:	Body: approx. 1.9 kg (4.19 lb) (body only, excluding lens hood, battery, and accessories) Shooting: approx. 2.3 kg (5.07 lb) (including lens hood, battery, and microphone holder)		
Dimensions:	180 mm (W) x 173 mm (H) x 311 mm (D) (7-1/8 inches x 6-13/16 inches x 12-1/4 inches) (excluding protrusion and eye cup)		
Camera Unit			
Pickup Device:	1.0-type (effective size) MOS solid state image sensor		
Effective Pixels:	15,030,000 pixel		
Lens:	Optical image stabilizer lens, optical 20x motorized zoom F value: F2.8 to F4.5 Focal length: f=8.8 mm to 176 mm 35 mm equivalent: 24.5 mm to 490 mm Filter Diameter: 67 mm ND Filter: Clear, 1/4, 1/16, 1/64 IR Filter: Incorporates the ON/OFF control function Shortest Shooting Distance (M.O.D.): Approx. 10 cm (W), 1.0 m (T) from the front lens		
Gain Setting:	L/M/H selector switch -3 dB to 18 dB (Adjustable in 1 dB steps) 24 dB, 30 dB, 36 dB switched (when assigning [S. GAIN] to the USER button)		
Color Temperature Se	tting: ATW, ATW LOCK, A ch, B ch, preset 3200 K/preset 5600 K/VAR (2000 K to 15000 K)		
Shutter Speed:	When [SYSTEM MODE] = 59.94 Hz • 59.94i/59.94p mode: 1/60 sec. (shutter off), 1/100 sec., 1/120 sec., 1/250 sec., 1/500 sec., 1/1000 sec., 1/2000 sec., 1/4000 sec., 1/8000 sec., 1/1000 sec., • 29.97p mode: 1/30 sec., 1/500 sec. (shutter off), 1/60 sec., 1/100 sec., 1/4000 sec., 1/250 sec., 1/500 sec., 1/1000 sec., 1/4000 sec., 1/8000 sec., 1/1000 sec., • 23.98p mode: 1/24 sec., 1/48 sec., 1/250 sec., 1/500 sec., 1/1000 sec., 1/100 sec., 1/120 sec., 1/250 sec., 1/500 sec., 1/1000 sec., 1/100 sec., 1/4000 sec., 1/250 sec., 1/1000 sec., 1/100 sec., 1/4000 sec., 1/200 sec., 1/1000 sec., 1/2000 sec., 1/4000 sec., 1/1000 sec., 1/120 sec., 1/250 sec., 1/500 sec., 1/1000 sec., 1/120 sec., 1/250 sec., 1/500 sec., 1/1000 sec., 1/250 sec., 1/250 sec., 1/1000 sec., 1/250 sec., 1/250 sec., 1/1000 sec., 1/250 sec., 1/250 sec., 1/1000 sec., 1/200 sec., 1/200 sec., 1/1000 sec., 1/200 sec., 1/250 sec., 1/1000 sec., 1/200 sec., 1/200 sec., 1/200 sec., 1/200 sec., 1/200 sec., 1/200 sec., 1/200 sec., 1/200 sec., 1/200 sec., 1/200 sec., 1/1000 sec., 1/200 sec., 1/200 sec., 1/200 sec., 1/200 sec., 1/200 sec., 1/200 sec., 1/200 sec., 1/200 sec., 1/200 sec., 1/200 sec., 1/200 sec., 1/200 sec., 1/200 sec		
(Slow Shutter)	 59.94/59.94p mode: 1/1 sec., 1/2 sec., 1/4 sec., 1/6 sec., 1/15 sec., 1/30 sec. 29.97p mode: 1/1 sec., 1/2 sec., 1/4 sec., 1/6 sec., 1/15 sec 23.98p mode: 1/1 sec., 1/2 sec., 1/4 sec., 1/6 sec., 1/12 sec When [SYSTEM MODE] = 50.00 Hz 501/50p mode: 1/1 sec., 1/2 sec., 1/4 sec., 1/6 sec., 1/12 sec 25p mode: 1/1 sec., 1/2 sec., 1/4 sec., 1/6 sec., 1/12 sec 25p mode: 1/1 sec., 1/2 sec., 1/4 sec., 1/6 sec., 1/12 sec 		
Shutter Speed: (Synchro Scan)	When [SYSTEM MODE] = 59.94 Hz • 59.94i/59.94p mode: 1/60.0 sec. to 1/7200 sec. • 29.97p mode: 1/30.0 sec. to 1/7200 sec. • 23.98p mode: 1/24.0 sec. to 1/7200 sec. When [SYSTEM MODE] = 50.00 Hz • 50i/50p mode: 1/50.0 sec. to 1/7200 sec. • 25p mode: 1/25.0 sec. to 1/7200 sec.		
	When [SYSTEM MODE] = 50.00 Hz		

	Rate:			
		(STEM MODE] = 59.94 Hz		
		9, 12, 15, 18, 20, 21, 22, 24, 25, 26, 27, 28, 30, 32 0, 44, 48, 54, 60 (fps)		
	When [S]	STEM MODE] = 50.00 Hz		
		9, 12, 15, 18, 20, 21, 22, 23, 24, 25, 26, 27, 28, 30 7, 42, 45, 48, 50 (fps)		
Super Slow Recording:		(STEM MODE] = 59.94 Hz		
	When [S]	080 (FHD): shooting frame rate 120 fps /STEM MODE] = 50.00 Hz 080 (FHD): shooting frame rate 100 fps		
Sensitivity:	When [HI	GH SENS.] mode		
	F12 (2000	l Ix, 3200 K, 89.9 % reflect, 2160/59.94p, 1080/59.94 l Ix, 3200 K, 89.9 % reflect, 2160/50p, 1080/50i)		
Horizontal Resolution:		or higher (UHD: center) or higher (FHD: center)		
i.Zoom:	x 32 (FHD), x 24 (UHD)			
Digital Zoom:	x 2/ x 5/ x 10			
Lens Hood:	Hood wit	h lens cover		
Memory Card Re	corder			
Recording Media:		emory card (4 GB to 32 GB),		
	SDXC memory card (32 GB to 128 GB) UHS-I/UHS-II UHS Speed Class 3 supported,			
	UHS-I/UHS-II UHS Speed Class 3 supported, Video Speed Class V90 supported			
	microP2	card (A series, B series)		
		e page 11 for the "Available Memory Card" table.		
Recording Slot:		SDXC UHS-II card slot x 2		
Recording Pixels:	3840 x 2160 (UHD), 1920 x 1080 (FHD), 1440 x 1080 (HD)* 1280 x 720 (HD)			
	1440 x 1080 (HD)*, 1280 x 720 (HD), 720 x 480 (SD), 720 x 576 (SD)			
System Frequency:	59.94 Hz/50.00 Hz			
Recording File Format:	MOV (AV	C), MOV (HEVC), AVCHD, P2 MXF		
Recording Format:	Please se	e page 6 for the "Recording Format" table.		
Recording Time:	Please see page 11 for the "Recording Time" table.			
2 Slot Functions:	Relay Re	c, Simultaneous Rec, Background Rec		
Special Recording Fun		Interval Rec, Time Stamp		
Digital Video				
	MOV	4.2.2 10 hit/4.2.0 0 hit/4.2.0 10 hit/115/10)		
Quantization	MOV:	4:2:2 10 bit/4:2:0 8 bit/4:2:0 10 bit (HEVC)		
Quantization:	AVCHD:	4:2:0 8 bit		
Quantization:	AVCHD: P2:	4:2:2 10 bit/4:2:0 10 bit (AVC-intra50)*/		
	P2:			
	P2:	4:2:2 10 bit/4:2:0 10 bit (AVC-intra50)*/ 4:2:0 8 bit (AVC-LongG12) H.264/MPEG-4 AVC High Profile		
	P2:	4:2:2 10 bit/4:2:0 10 bit (AVC-intra50)*/ 4:2:0 8 bit (AVC-LongG12)		
	P2: ormat: MOV: P2:	4:2:2 10 bit/4:2:0 10 bit (AVC-intra50)*/ 4:2:0 8 bit (AVC-LongG12) H.264/MPEG-4 AVC High Profile H.265/MPEG-H HEVC Main10 Profile AVC-Intra422/AVC-LongG 50/AVC-LongG 25/ AVC-LongG 12 : MPEG-4 AVC/H.264 High Profile		
	P2: prmat: MOV:	4:2:2 10 bit/4:2:0 10 bit (AVC-intra50)*/ 4:2:0 8 bit (AVC-LongG12) H.264/MPEG-4 AVC High Profile H.265/MPEG-H HEVC Main10 Profile AVC-Intra422/AVC-LongG 50/AVC-LongG 25/		
Video Compression Fo	P2: ormat: MOV: P2:	4:2:2 10 bit/4:2:0 10 bit (AVC-intra50)*/ 4:2:0 8 bit (AVC-LongG12) H.264/MPEG-4 AVC High Profile H.265/MPEG-H HEVC Main10 Profile AVC-Intra422/AVC-LongG 50/AVC-LongG 25/ AVC-LongG 12 : MPEG-4 AVC/H.264 High Profil AVC-Intra200/AVC-Intra100/AVC-Intra50 :		
Video Compression Fo Digital Audio	P2: mat: MOV: P2: P2*: MOV:	4:2:2 10 bit/4:2:0 10 bit (AVC-intra50)*/ 4:2:0 8 bit (AVC-LongG12) H.264/MPEG-4 AVC High Profile H.265/MPEG-H HEVC Main10 Profile AVC-Intra422/AVC-LongG 50/AVC-LongG 25/ AVC-LongG 12 : MPEG-4 AVC/H.264 High Profile AVC-Intra200/AVC-Intra100/AVC-Intra50 : MPEG-4 AVC/H.264 Intra Profile 48 kHz/24 bit, 4 ch, Linear PCM		
Video Compression Fo Digital Audio	P2: mat: MOV: P2: P2*: P2*: MOV: AVCHD:	4:2:2 10 bit/4:2:0 10 bit (AVC-intra50)*/ 4:2:0 8 bit (AVC-LongG12) H.264/MPEG-4 AVC High Profile H.265/MPEG-H HEVC Main10 Profile AVC-Intra422/AVC-LongG 50/AVC-LongG 25/ AVC-LongG 12 : MPEG-4 AVC/H.264 High Profile AVC-Intra200/AVC-Intra100/AVC-Intra50 : MPEG-4 AVC/H.264 Intra Profile 48 kHz/24 bit, 4 ch, Linear PCM 48 kHz/16 bit, 2 ch, Dolby Audio™		
Video Compression Fo Digital Audio	P2: mat: MOV: P2: P2*: MOV:	4:2:2 10 bit/4:2:0 10 bit (AVC-intra50)*/ 4:2:0 8 bit (AVC-LongG12) H.264/MPEG-4 AVC High Profile H.265/MPEG-H HEVC Main10 Profile AVC-Intra422/AVC-LongG 50/AVC-LongG 25/ AVC-LongG 12 : MPEG-4 AVC/H.264 High Profile AVC-Intra200/AVC-Intra100/AVC-Intra50 : MPEG-4 AVC/H.264 Intra Profile 48 kHz/24 bit, 4 ch, Linear PCM		
Video Compression Fo Digital Audio Recording Audio Signal:	P2: rmat: MOV: P2: P2*: MOV: AVCHD: P2:	4:2:2 10 bit/4:2:0 10 bit (AVC-intra50)*/ 4:2:0 8 bit (AVC-LongG12) H.264/MPEG-4 AVC High Profile H.265/MPEG-H HEVC Main10 Profile AVC-Intra422/AVC-LongG 50/AVC-LongG 25/ AVC-LongG 12 : MPEG-4 AVC/H.264 High Profile AVC-Intra200/AVC-Intra100/AVC-Intra50 : MPEG-4 AVC/H.264 Intra Profile 48 kHz/24 bit, 4 ch, Linear PCM 48 kHz/16 bit, 2 ch, Dolby Audio™ 48 kHz/24 bit, 4 ch, Linear PCM		
Video Compression Fo Digital Audio Recording Audio Signal: Headroom:	P2: rmat: MOV: P2: P2*: MOV: AVCHD: P2:	4:2:2 10 bit/4:2:0 10 bit (AVC-intra50)*/ 4:2:0 8 bit (AVC-LongG12) H.264/MPEG-4 AVC High Profile H.265/MPEG-H HEVC Main10 Profile AVC-Intra422/AVC-LongG 50/AVC-LongG 25/ AVC-LongG 12 : MPEG-4 AVC/H.264 High Profile AVC-Intra200/AVC-Intra100/AVC-Intra50 : MPEG-4 AVC/H.264 Intra Profile 48 kHz/24 bit, 4 ch, Linear PCM 48 kHz/24 bit, 4 ch, Linear PCM 48 kHz/24 bit, 4 ch, Linear PCM (In AVC-LongG12, 48 kHz/16 bit, 4 ch)		
Video Compression Fo Digital Audio Recording Audio Signal: Headroom: Live Streaming	P2: rmat: MOV: P2: P2*: MOV: AVCHD: P2: 12 dB/18 rmat:	4:2:2 10 bit/4:2:0 10 bit (AVC-intra50)*/ 4:2:0 8 bit (AVC-LongG12) H.264/MPEG-4 AVC High Profile H.265/MPEG-H HEVC Main10 Profile AVC-Intra422/AVC-LongG 50/AVC-LongG 25/ AVC-LongG 12 : MPEG-4 AVC/H.264 High Profile AVC-Intra200/AVC-Intra100/AVC-Intra50 : MPEG-4 AVC/H.264 Intra Profile 48 kHz/24 bit, 4 ch, Linear PCM 48 kHz/24 bit, 4 ch, Linear PCM 48 kHz/24 bit, 4 ch, Linear PCM (In AVC-LongG12, 48 kHz/16 bit, 4 ch) dB/20 dB switchable (menu)		
Video Compression Fo Digital Audio Recording Audio Signal: Headroom: Live Streaming Video Compression Fo	P2: rmat: MOV: P2: P2: P2*: MOV: AVCHD: P2: 12 dB/18 rmat: H.264/MI 1920 x 10	4:2:2 10 bit/4:2:0 10 bit (AVC-intra50)*/ 4:2:0 8 bit (AVC-LongG12) H.264/MPEG-4 AVC High Profile H.265/MPEG-H HEVC Main10 Profile AVC-Intra422/AVC-LongG 50/AVC-LongG 25/ AVC-LongG 12 : MPEG-4 AVC/H.264 High Profile AVC-Intra200/AVC-Intra100/AVC-Intra50 : MPEG-4 AVC/H.264 Intra Profile 48 kHz/24 bit, 4 ch, Linear PCM 48 kHz/24 bit, 4 ch, Linear PCM 48 kHz/24 bit, 4 ch, Linear PCM (In AVC-LongG12, 48 kHz/16 bit, 4 ch) dB/20 dB switchable (menu) PEG-4 AVC Main Profile, High Profile 280 (FHD), 1280 x 720 (HD),		
Video Compression Fo Digital Audio Recording Audio Signal: Headroom: Live Streaming Video Compression Fo Video Resolution:	P2: rmat: MOV: P2: P2: P2*: MOV: AVCHD: P2: 12 dB/18 rmat: H.264/MI 1920 x 10 640 x 36	4:2:2 10 bit/4:2:0 10 bit (AVC-intra50)*/ 4:2:0 8 bit (AVC-LongG12) H.264/MPEG-4 AVC High Profile H.265/MPEG-H HEVC Main 10 Profile AVC-Intra422/AVC-LongG 50/AVC-LongG 25/ AVC-LongG 12 : MPEG-4 AVC/H.264 High Profile AVC-Intra200/AVC-Intra100/AVC-Intra50 : MPEG-4 AVC/H.264 Intra Profile 48 kHz/24 bit, 4 ch, Linear PCM 48 kHz/24 bit, 2 ch, Dolby Audio™ 48 kHz/24 bit, 4 ch, Linear PCM (In AVC-LongG12, 48 kHz/16 bit, 4 ch) dB/20 dB switchable (menu) PEG-4 AVC Main Profile, High Profile 280 (FHD), 1280 x 720 (HD), 30, 320 x 180		
Video Compression Fo Digital Audio Recording Audio Signal: Headroom: Live Streaming Video Compression Fo Video Resolution: Streaming Method:	P2: rmat: MOV: P2: P2*: MOV: AVCHD: P2: 12 dB/18 rmat: H.264/MI 1920 x 10 640 x 36 Unicast, I	4:2:2 10 bit/4:2:0 10 bit (AVC-intra50)*/ 4:2:0 8 bit (AVC-LongG12) H.264/MPEG-4 AVC High Profile H.265/MPEG-4 HEVC Main10 Profile AVC-Intra422/AVC-LongG 50/AVC-LongG 25/ AVC-LongG 12 : MPEG-4 AVC/H.264 High Profil AVC-Intra200/AVC-Intra100/AVC-Intra50 : MPEG-4 AVC/H.264 Intra Profile 48 kHz/24 bit, 4 ch, Linear PCM 48 kHz/24 bit, 4 ch, Linear PCM 48 kHz/24 bit, 4 ch, Linear PCM (In AVC-LongG12, 48 kHz/16 bit, 4 ch) dB/20 dB switchable (menu) PEG-4 AVC Main Profile, High Profile 280 (FHD), 1280 x 720 (HD), 30, 320 x 180 Multicast		
Video Compression Fo Digital Audio Recording Audio Signal: Headroom: Live Streaming Video Compression Fo Video Resolution: Streaming Method: Frame Rate:	P2: rmat: MOV: P2: P2*: MOV: AVCHD: P2: 12 dB/18 rmat: H.264/MI 1920 x 10 640 x 36 Unicast, System fi System fi	4:2:2 10 bit/4:2:0 10 bit (AVC-intra50)*/ 4:2:0 8 bit (AVC-LongG12) H.264/MPEG-4 AVC High Profile H.265/MPEG-H HEVC Main 10 Profile AVC-Intra422/AVC-LongG 50/AVC-LongG 25/ AVC-LongG 12 : MPEG-4 AVC/H.264 High Profile AVC-Intra200/AVC-Intra100/AVC-Intra50 : MPEG-4 AVC/H.264 Intra Profile 48 kHz/24 bit, 4 ch, Linear PCM 48 kHz/24 bit, 4 ch, Linear PCM 48 kHz/24 bit, 4 ch, Linear PCM (In AVC-LongG12, 48 kHz/16 bit, 4 ch) dB/20 dB switchable (menu) PEG-4 AVC Main Profile, High Profile 180 (FHD), 1280 x 720 (HD), 10, 320 x 180 Vulticast requency = 59.94 Hz: 24 fps, 30 fps, 60 fps requency = 50.00 Hz: 25 fps, 50 fps		
Video Compression Fo Digital Audio Recording Audio Signal: Headroom: Live Streaming Video Compression Fo Video Resolution: Streaming Method: Frame Rate:	P2: rmat: MOV: P2: P2*: MOV: AVCHD: P2: 12 dB/18 rmat: H.264/MI 1920 x 10 640 x 36 Unicast, I System fi System fi Sy	4:2:2 10 bit/4:2:0 10 bit (AVC-intra50)*/ 4:2:0 8 bit (AVC-LongG12) H.264/MPEG-4 AVC High Profile H.265/MPEG-H HEVC Main10 Profile AVC-Intra422/AVC-LongG 50/AVC-LongG 25/ AVC-LongG 12 : MPEG-4 AVC/H.264 High Profil AVC-Intra200/AVC-Intra100/AVC-Intra50 : MPEG-4 AVC/H.264 Intra Profile 48 kHz/24 bit, 4 ch, Linear PCM 48 kHz/24 bit, 4 ch, Linear PCM 48 kHz/24 bit, 4 ch, Linear PCM (In AVC-LongG12, 48 kHz/16 bit, 4 ch) dB/20 dB switchable (menu) PEG-4 AVC Main Profile, High Profile 280 (FHD), 1280 x 720 (HD), 30, 320 x 180 Multicast requency = 59.94 Hz: 24 fps, 30 fps, 60 fps		
Quantization: Video Compression Fo Digital Audio Recording Audio Signal: Headroom: Live Streaming Video Compression Fo Video Resolution: Streaming Method: Frame Rate: Bit Rate: Audio Compression Fo	P2: rmat: MOV: P2: P2*: MOV: AVCHD: P2: 12 dB/18 rmat: H.264/MI 1920 x 10 640 x 36 Unicast, I System fi 24 Mbps, 6 Mbps, 1 Mbps, 0	4:2:2 10 bit/4:2:0 10 bit (AVC-intra50)*/ 4:2:0 8 bit (AVC-LongG12) H.264/MPEG-4 AVC High Profile H.265/MPEG-H HEVC Main10 Profile AVC-Intra422/AVC-LongG 50/AVC-LongG 25/ AVC-LongG 12 : MPEG-4 AVC/H.264 High Profil AVC-Intra200/AVC-Intra100/AVC-Intra50 : MPEG-4 AVC/H.264 Intra Profile 48 kHz/24 bit, 4 ch, Linear PCM 48 kHz/24 bit, 4 ch, Linear PCM 48 kHz/24 bit, 4 ch, Linear PCM (In AVC-LongG12, 48 kHz/16 bit, 4 ch) dB/20 dB switchable (menu) PEG-4 AVC Main Profile, High Profile 180 (FHD), 1280 x 720 (HD), 30, 320 x 180 Multicast requency = 59.94 Hz: 24 fps, 30 fps, 60 fps requency = 50.00 Hz: 25 fps, 50 fps 20 Mbps, 16 Mbps, 14 Mbps, 8 Mbps, 4 Mbps, 3 Mbps, 2 Mbps, 1.5 Mbps,		

SDI OUT:	BNC x 1, SDI REC REMOTE supported HD: 0.8 V [p-p], 75 Ω SD: 0.8 V [p-p], 75 Ω,
	Output format (4:2:2 10 bit):
	• 1920 x 1080: 59.94p, 50p, 59.94i, 50i,
	29.97Psf, 25Psf, 23.98PsF
	• 1280 x 720: 59.94p, 50p
	• 720 x 480: 59.94i • 720 x 576: 50i
HDMI OUT :	HDMI x 1, Type A, HDMI REC REMOTE supported,
	VIERA Link not supported
	Output format (4:2:2 10 bit): • 3840 x 2160: 59.94p, 50p, 29.97p, 25p, 23.98p
	• 1920 x 1080: 59.94p, 50p, 59.94i, 50i, 29.97p, 25p, 23.98p
	• 1280 x 720: 59.94p, 50p
	• 720 x 480: 59.94p • 720 x 576: 50p
VIDEO OUT:	3.5 mm diameter mini jack, composite 1.0 V [p-p], 75 Ω
Audio Input/Out	out
Built-in Microphone:	Stereo microphone
Input 1/2:	
Input 1/2:	XLR (3-pin) x 2 (INPUT1, INPUT2)
Input 1/2:	Input high impedance, LINE/MIC/MIC+48V (switchable SW)
Input 1/2:	Input high impedance, LINE/MIC/MIC+48V (switchable SW) MIC: -40 dBu/-50 dBu/-60 dBu (switchable menu)
	Input high impedance, LINE/MIC/MIC+48V (switchable SW) MIC: -40 dBu/-50 dBu/-60 dBu (switchable menu) LINE: +4 dBu/0 dBu (switchable menu)
Input 1/2: SDI OUT:	Input high impedance, LINE/MIC/MIC+48V (switchable SW) MIC: -40 dBu/-50 dBu/-60 dBu (switchable menu)
	Input high impedance, LINE/MIC/MIC+48V (switchable SW) MIC: -40 dBu/-50 dBu/-60 dBu (switchable menu) LINE: +4 dBu/0 dBu (switchable menu)
SDI OUT:	Input high impedance, LINE/MIC/MIC+48V (switchable SW) MIC: -40 dBu/-50 dBu/-60 dBu (switchable menu) LINE: +4 dBu/0 dBu (switchable menu) Linear PCM 4 ch
SDI OUT: HDMI OUT:	Input high impedance, LINE/MIC/MIC+48V (switchable SW) MIC: -40 dBu/-50 dBu/-60 dBu (switchable menu) LINE: +4 dBu/0 dBu (switchable menu) Linear PCM 4 ch Linear PCM 2 ch
SDI OUT: HDMI OUT: Headphone:	Input high impedance, LINE/MIC/MIC+48V (switchable SW) MIC: -40 dBu/-50 dBu/-60 dBu (switchable menu) LINE: +4 dBu/0 dBu (switchable menu) Linear PCM 4 ch Linear PCM 2 ch 3.5 mm diameter stereo mini jack x 1

Other Input/Output

TC IN/OUT:	BNC x 1, Used as the input and output terminals (switchable menu) Input: 1.0 V to 4.0 V [p-p] 10 k Ω Output: 2.0 V \pm 0.5 V [p-p] low impedance	
REMOTE:	2.5 mm diameter super mini jack	
LAN:	RJ-45: 1000BASE-T/100BASE-TX/10BASE-T NDI HX supported* *To use this function, an activation keycode from NewTek is required. Keycodes can be purchased from the following website: http://new.tk/ndi_panasonic	
USB 2.0 HOST:	Type-A, 4-pin (5 V, 0.5 A) for Wireless Module (option)	
USB 3.0 DEVICE:	USB 3.1 GEN1 Type-C, USB Mass storage function No USB bus power function	
DC IN 12V:	DC 12 V EIAJ Type 4	
Monitor/Viewfir	nder	
LCD Monitor:	3.5 type TFT LCD color monitor (3:2), approx. 1,620,000 dots, Touch panel video display (16: 9) area: Approx. 1,370,000 dots	
Viewfinder:	0.39 type OLED (organic EL display), approx. 2,360,000 dots, video display (16: 9) area: approx. 1,770,000 dots	

Included Accessories

Battery (AG-VBR59), Battery charger (AG-BRD50), AC adaptor, AC cable, Microphone holder kit, Shoulder strap, Eye cup, Lens hood*, Grip belt* and Operating instructions (Items marked by an asterisk (*) come already attached to the camera)