



4K High End Camera Recorder

VariCam LT

K Production Camera with award-winning Super 35mm MOS sensor and dual-native ISO settings of 800 and 5000

Key Features

Compact and lightweight magnesium body with a weight of 2.7kg

Super 35mm Native 4K sensor that provides true 4K images with a dynamic range of 14+ stops for HDR image capture

Dual-native ISO settings of 800 and 5000 which achieves much higher sensitivity without increasing noise

Expansive colour gamut that exceeds BT2020 - the colour space required for HDR content delivery

EF mount as standard offers a wide array of lens choice, but can also be removed by the end-user and replaced with an optional PL mount



VariCam LT

<https://eu.connect.panasonic.com/file/en/products/broadcast-proav/varicam-lt>

General Specification

Power	DC 12 V (11.0 V - 17.0 V)
Power Consumption	47 W, with body only 77 W, with all optional accessories connected and maximum power supplied from each output terminal
Operating Temperature	0 °C to 40 °C (32°F to 104°F)
Operating Humidity	10% to 85% (relative humidity)
Storage Temperature	-20 °C to 60 °C (-4°F to 140°F)
Weight	Approx. 2.7 kg (6.0 lb), excluding handle and accessories Approx. 3.0kg (6.6 lb), including handle, excluding accessories
Dimensions (W x H x D)	184.0 mm x 230.5 mm x 247.0 mm (7-1/4 inches x 9-3/32 inches x 9-3/4 inches) Body only, excluding protrusion and accessories
Note1	Ensure that the total current taken from the DC OUT terminal, LENS/GRIP terminal, DC OUT/RS terminal and USB HOST terminal does not exceed 30 W.

Camera Unit

Pickup Devices	Super 35 mm, MOS sensor
Number of Pixels	Total pixels: Approx. 10.3 million pixels, Effective pixels: Approx. 8.9 million pixels
Lens Mount	EF mount
Optical Filter	ND filter: 1: CLEAR, 2: 0.6 ND, 3: 1.2 ND, 4: 1.8 ND
Gain Setting	Native ISO: 800, 5000 800 Base: 200 to 4000 5000 Base: 1250 to 12800 [ISO] mode: ISO200 to ISO12800 [dB] mode: -12 dB to 14 dB (2 dB step)
Shutter Speed	[deg] mode: 1.0 deg to 358 deg (0.1 deg step) [sec] mode: 1/24 sec. to 1/250 sec. (for 24p)
Sensitivity	[GAIN MODE]=[NORMAL], [GAMMA]=[VIDEO45] F7 (2000 lx, 3200k, 89.9% reflection, 1080/59.94p) F8 (2000 lx, 3200k, 89.9% reflection, 1080/50p)

Memory Card Recorder

Recording Media	Main slot x 1: expressP2 card, P2 card Sub slot x 1: SD memory card
Recording Resolution	4096 x 2160 (4K), 3840 x 2160 (UHD), 2048 x 1080 (2K), 1920 x 1080 (HD)
Recording Frame Rate	4K/UHD: Maximum 60fps or 50 fps 2K/HD: Maximum 240fps or 200 fps
System Frequency	59.94p, 50p, 29.97p, 25p, 24p, 23.98p, 59.94i, 50i
Recording Format (Main Recorder)	AVC-Intra4K422, AVC-Intra4K-LT, AVC-Intra2K444, AVC-Intra2K422, AVC-Intra2K-LT, AVC-Intra444, AVC-Intra422, AVC-Intra-LT, AVC-Intra100, ProRes 422 HQ, ProRes 4444
Recording Format (Sub Recorder)	AVC-LongG6Recording
Video Signal	4096 x 2160/59.94p, 50p, 29.97p, 25p, 24p, 23.98p 3840 x 2160/59.94p, 50p, 29.97p, 25p, 23.98p 2048 x 1080/59.94p, 50p, 29.97p, 25p, 24p, 23.98p 1920 x 1080/59.94p, 50p, 29.97p, 25p, 23.98p, 59.94i, 50i

Recording Time*1 (Main Codec)	When using expressP2 card 512 GB and when [FREQUENCY]= [23.98p] AVC-Intra4K422, 23.98 fps:Approx. 180 min. AVC-Intra4K422, VFR ON, 30 fps:Approx. 146 min. AVC-Intra4K-LT, VFR ON, 60 fps:Approx. 128 min. AVC-Intra422, VFR ON, 60 fps:Approx. 260 min. ProRes 422 HQ VFR ON, 60fps:Approx. 134 min.
Recording Time*1 (Sub Codec)	AVC-LongG6:Approx. 655 min.
Digital Video	
Quantizing	AVC-Intra2K444, AVC-Intra444: 12 bit Others: 10 bit
Video Compression Format	AVC-Intra4K422, AVC-Intra4K-LT, AVC-Intra2K444, AVC-Intra2K422, AVC-Intra2K-LT, AVC-Intra444, AVC-Intra422, AVC-Intra-LT, AVC-Intra100: MPEG-4 AVC/H.264 Intra Profile ProRes 422 HQ, ProRes 4444: Apple ProRes*2
Digital Audio	
Recording Audio Signal	48 kHz/24 bit, 4 ch
Headroom	18 dB/20 dB switchable menu
AVC Proxy	
File Format	MOV
Video Compression Format (AVC Proxy)	MPEG-4 AVC/H.264 Intra Profile
Audio Compression Format	AAC
Recording Time *3	Approx. 655 min. When using a 64 GB SDXC memory card
Video Input/Output	
SDI Out1/SDI Out2	HD (1.5 G)/3G-SDI, 0.8 V[p-p], 75 Ω
VF SDI	HD (1.5 G)/3G-SDI, 0.8 V[p-p], 75 Ω
Audio Input/Output	
Input 1/2	XLR x 1, 5-pin
Input 3/Input 4	XLR x 2, 3-pin, Supports menu switching to select LINE/MIC or enable/disable the power supply of the microphone.
Phones	Stereo mini jack
Speaker	20 mm diameter, round x 1
Other Input/Output	
GenLock In	HD (1.5 G) /3G-SDI, 0.8 V[p-p], 75 Ω
TC In/Out	BNC x 1, Input/Output switching Input: 0.5 V [p-p] to 8 V [p-p], 10 kΩ Output: 2.0 V [p-p] ± 0.5 V[p-p], low impedance
DC In	XLR x 1, 4-pin, DC 12 V (DC 11.0 V - 17.0 V)
DC Out/RS	4-pin, DC 12 V (DC 11.0 V - 17.0 V), maximum output current 1.0 A
DC Out	2-pin, DC12 V (DC 11.0 V - 17.0 V), maximum output current 1.0 A
Lens/Grip	12-pin
LAN	100BASE-TX/10BASE-T
USB (Device)	USB2.0 devices : Type B connector, 4-pin
USB (Host)	USB2.0 host : Type A connector, 4-pin
Control Panel	20-pin, control panel contact terminals
EF Mounting Contact	8-pin
Display Panel	LCD, 3.5-type QHD color monitor, approx. 1.56 million dots
Note2	*1: Figures are for continuous recording as one clips. Depending on the number or clips, the overall recording time may be shorter than the above. *2: ProRes is licensed from Apple Inc. Apple ProRes codec is under license from Atomos. Atomos is a trademark and copyright of Atomos Global Pty. Ltd. *3: Reference value for continuous recording. The recording the may differ depending on the scene or the number of clips.