Panasonic CONNECT



4K PL-mount Studio Camera for Live Cinematic Video with Shallow Depth of Field

AK-PLV100GSJ

The PLV100 carries on the legacy of VariCam with a cinematic look, Vlog and dual native ISO, and streamlines multicamera live shooting to deliver another purpose built studio cameras for easy Cine-live production

Key Features

Equipped with a large format, 5.7K Super 35mm sensor and PL Lens mount to accommodate cinema lenses for a shallow-depth look.

Capture frame rate is switchable to Cinematic 24p/30p on 60p system, so can easily switch between a 24p/30p look and a standard broadcast 60p look.

Outputs SMPTE ST2110* video directly from its camera head and merely requires an optical-fiber connection for return input, intercom input/output, PTP synchronization, trunk out, and tally input.*Future support planned

Compatibility with Panasonic's 2/3-inch studio-camera system equipment allows the use of CCUs(UCU600 and HCU250), ROPs (HRP1010 and HRP1015) and other accessories.

V-LOG output* for wide dynamic range and rich color gamut, along with Dual Native ISO* for superb low-light performance

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https://latam.connect.panasonic.com/pa/en/ak-plv100gsj

General -> Power Supply	DC 12 V (when using an external power supply) DC 190 V (when AK-HCU250PJ/HCU250PSJ/HCU250EJ/HCU250ESJ is connected) AC 240 V, 50 Hz/60 Hz (when AK-UCU600PJ/UCU600PSJ/UCU600EJ/UCU600ESJ is connected)
General -> Power Consumption	82 W (maximum, when connecting to an external 12 V and including supply to an externally connected devices) 92 W (maximum, when AK-HCU250PJ/HCU250PSJ/HCU250EJ/HCU250ESJ/UCU600PJ/UCU600PSJ/UCU600EJ/UCU600ESJ is conncected and includingsupply to an externally connected devices)
General -> Operating Temperature	–10 °C to 45 °C (14 °F to 113 °F) (Preheating required under a temperature 0°C (32 °F) or below)
General -> Operating Humidity	85% or less (relative humidity)
General -> Storage Temperature	–20 °C to 60 °C (–4 °F to 140 °F)
General -> Weight	Approx. 4.2 kg (9.26 lbs.) (body only, excluding the accessories)
General -> Dimensions	W 151 mm x H 267 mm x D 389 mm (5-31/32 inches x 10-17/32 inches x 15-5/16 inches) (excluding protrusions)
Camera Unit -> Pickup Device	17.25 million pixels, 5.7K Super 35 mm sensor
Camera Unit -> Optical Filter -> ND	Clear, 1/4, 1/16, 1/64
Camera Unit -> Lens Mount	35mm PL Mount
Camera Unit -> Sensitivity	F11 (59.94Hz)/F12 (50Hz), 2000 lx, 3200 K, when white reflectivity is 89.9%
Camera Unit -> Horizontal Resolution -> 4K	2000 TV lines or above (center)
Camera Unit -> Horizontal Resolution -> HD	1000 TV lines or above (center)
Camera Unit -> S/N	62 dB or above
Camera Unit -> Horizontal Modulation	50% or above (27.5 MHz)
Camera Unit -> Gain Switching -> NORMAL	0, 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36
Camera Unit -> Shutter Speed -> [59.94i]/[59.94p] mode	1/100, 1/120, 1/125, 1/250, 1/500, 1/1000, 1/1500, 1/2000
Camera Unit -> Shutter Speed -> [50i]/[50p] mode	1/60, 1/100, 1/125, 1/250, 1/500, 1/1000, 1/1500, 1/2000
Camera Unit -> Shutter Speed -> [29.97p] mode	1/48, 1/50, 1/60, 1/96, 1/100, 1/120, 1/125, 1/250, 1/500, 1/1000, 1/1500, 1/2000
Camera Unit -> Shutter Speed -> [25p] mode	1/48, 1/50, 1/60, 1/96, 1/100, 1/125, 1/250, 1/500, 1/1000, 1/1500, 1/2000
Camera Unit -> Shutter Speed -> [23.98p] mode	1/48, 1/50, 1/60, 1/96, 1/100, 1/120, 1/125, 1/250, 1/500, 1/1000, 1/1500, 1/2000
Camera Unit	3840x2160/59.94p/50p/29.97p/25p/23.98p 1920x1080/59.94p/50p/29.97p/25p/23.98p
Video Input/Output - > < SDI OUT1 > Terminal	BNC x 1 12G/6G/3G/1.5G-SDI：0.8 V [p-p] , 75 Ω
Video Input/Output - > < SDI OUT2 > Terminal	BNC x 1 3G/1.5G-SDI：0.8 [p-p], 75 Ω
Video Input/Output - > < AUX > Terminal	BNC x 1 terminal/ terminal terminal by switching the setting in the menu : 3G/1.5G-SDI: 0.8 V [p-p], 75 : 3G/1.5G-SDI: 0.8 V [p-p], 75 : VBS signal 1 V [p-p], 75
Audio Input/Output - > < MIC 2 > Terminal	XLR x 1, 3-pin (female) // switchable : 0 dBu : –60 dBu, –40 dBu, or –20 dBu menu can be selected
Audio Input/Output - > < MIC > Terminal (front)	XLR x 1, 3-pin (female) // switchable : 0 dBu : –60 dBu, –40 dBu, or –20 dBu menu can be selected
Intercom - > < INTERCOM1 > Terminal	XLR x 1, 5-pin, female type
Other Input/Output - > < OPT FIBER > Terminal	Optical composite connector x 1
Other Input/Output - > < LENS > Terminal	12-pin x 1
Other Input/Output - > < VF > Terminal	20-pin x 1
Other Input/Output - > < VF > Terminal (rear)	29-pin x 1

Other Input/Output - > < DC IN > Terminal	XLR x 1, 4-pin, DC 12 V
Other Input/Output - > < LAN > Terminal	RJ-45 x 1