



## 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



## AK-PLV100GSJ

<https://ap.connect.panasonic.com/my/en/ak-plv100gsj>

<b>General -&gt; Power Supply</b>	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)
<b>General -&gt; Power Consumption</b>	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 connected and including supply to an externally connected devices)
<b>General -&gt; Operating Temperature</b>	-10 °C to 45 °C (14 °F to 113 °F) (Preheating required under a temperature 0°C (32 °F) or below)
<b>General -&gt; Operating Humidity</b>	85% or less (relative humidity)
<b>General -&gt; Storage Temperature</b>	-20 °C to 60 °C (-4 °F to 140 °F)
<b>General -&gt; Weight</b>	Approx. 4.2 kg (9.26 lbs.) (body only, excluding the accessories)
<b>General -&gt; Dimensions</b>	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)
<b>Camera Unit -&gt; Pickup Device</b>	17.25 million pixels, 5.7K Super 35 mm sensor
<b>Camera Unit -&gt; Optical Filter -&gt; ND</b>	Clear, 1/4, 1/16, 1/64
<b>Camera Unit -&gt; Lens Mount</b>	35mm PL Mount
<b>Camera Unit -&gt; Sensitivity</b>	F11 (59.94Hz)/F12 (50Hz), 2000 lx, 3200 K, when white reflectivity is 89.9%
<b>Camera Unit -&gt; Horizontal Resolution</b>	2000 TV lines or above (center)
<b>-&gt; 4K</b>	
<b>Camera Unit -&gt; Horizontal Resolution</b>	1000 TV lines or above (center)
<b>-&gt; HD</b>	
<b>Camera Unit -&gt; S/N</b>	62 dB or above
<b>Camera Unit -&gt; Horizontal Modulation</b>	50% or above (27.5 MHz)
<b>Camera Unit -&gt; Gain Switching -&gt; NORMAL</b>	0, 3, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36
<b>Camera Unit -&gt; Shutter Speed -&gt; [59.94i]/[59.94p] mode</b>	1/100, 1/120, 1/125, 1/250, 1/500, 1/1000, 1/1500, 1/2000
<b>Camera Unit -&gt; Shutter Speed -&gt; [50i]/[50p] mode</b>	1/60, 1/100, 1/125, 1/250, 1/500, 1/1000, 1/1500, 1/2000
<b>Camera Unit -&gt; Shutter Speed -&gt; [29.97p] mode</b>	1/48, 1/50, 1/60, 1/96, 1/100, 1/120, 1/125, 1/250, 1/500, 1/1000, 1/1500, 1/2000
<b>Camera Unit -&gt; Shutter Speed -&gt; [25p] mode</b>	1/48, 1/50, 1/60, 1/96, 1/100, 1/125, 1/250, 1/500, 1/1000, 1/1500, 1/2000
<b>Camera Unit -&gt; Shutter Speed -&gt; [23.98p] mode</b>	1/48, 1/50, 1/60, 1/96, 1/100, 1/120, 1/125, 1/250, 1/500, 1/1000, 1/1500, 1/2000
<b>Camera Unit</b>	3840x2160/59.94p/50p/29.97p/25p/23.98p 1920x1080/59.94p/50p/29.97p/25p/23.98p
<b>Video Input/Output - &gt; &lt; SDI OUT1 &gt; Terminal</b>	BNC x 1 12G/6G/3G/1.5G-SDI : 0.8 V [p-p], 75 Ω
<b>Video Input/Output - &gt; &lt; SDI OUT2 &gt; Terminal</b>	BNC x 1 3G/1.5G-SDI : 0.8 [p-p], 75 Ω
<b>Video Input/Output - &gt; &lt; AUX &gt; Terminal</b>	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
<b>Audio Input/Output - &gt; &lt; MIC 2 &gt; Terminal</b>	XLR x 1, 3-pin (female) // switchable : 0 dBu : -60 dBu, -40 dBu, or -20 dBu menu can be selected
<b>Audio Input/Output - &gt; &lt; MIC &gt; Terminal (front)</b>	XLR x 1, 3-pin (female) // switchable : 0 dBu : -60 dBu, -40 dBu, or -20 dBu menu can be selected

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**Intercom - > < INTERCOM1 >** XLR x 1, 5-pin, female type  
**Terminal**

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**Other Input/Output - > < OPT FIBER >** Optical composite connector x 1  
**Terminal**

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**Other Input/Output - > < LENS >** 12-pin x 1  
**Terminal**

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**Other Input/Output - > < VF >** 20-pin x 1  
**Terminal**

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**Other Input/Output - > < VF >** 29-pin x 1  
**Terminal (rear)**

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

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**Other Input/Output - > < LAN >** RJ-45 x 1  
**Terminal**