



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

- **Large Format Sensor and PL Mount for Various Expression**

This 4K studio camera from Panasonic is equipped with a 5.7K Super 35mm sensor and PL mount, inheriting the design concept of our VariCam camera, allowing for powerfully expressive live cinematic video closer to creator's intention with a shallow depth of field.

- **Simple IP-based Live Production without CCU**

SMPTE ST2110 input/output is possible directly from the AK-PLV100GSJ camera head without connecting to a CCU,<sup>1</sup> enabling IP-based live production with just the camera, doing away with the need for complicated systems. It is also possible to output 12G-SDI signals directly from the camera head, allowing for flexible system construction and wide-ranging operations.

- **Camera Head Can be Switched Anytime to Capture What you Want**

The camera head is fully compatible with equipment in Panasonic's 2/3-inch studio-camera system. By simply replacing the existing camera head with the AK-PLV100GSJ, cinematic video can be created with the existing CCU (AK-UCU600 or AK-HCU250).

<sup>1</sup> Future support planned



# New-concept PL-mount Studio Camera

## Inspiring cinematic video with shallow depth of field

The AK-PLV100GSJ comes with a 5.7K Super 35mm sensor and PL mount to produce cinematic video with bokeh effects. Combining the visual beauty of a cinema camera with the operability of a studio camera, the AK-PLV100GSJ achieves live video for events and sports with rich visual expression that grabs viewer attention.

### < Main features >

- Dual Native ISO for high sensitivity and low noise<sup>1</sup>
- Simultaneous HLG/ITU-R BT.2020 (4K mode) and SDR/ITU-R BT.709 (HD mode)
- V-Log output for wide dynamic range and rich color gamut<sup>1</sup>

<sup>1</sup> Future support planned



Cinematic video with shallow field

## Simple Operation without CCU

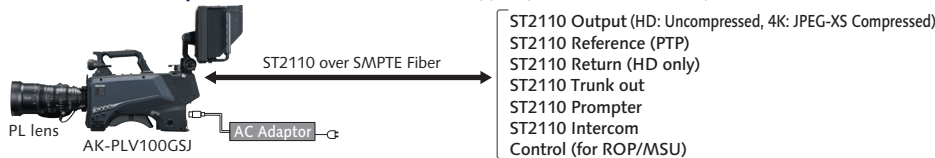
Normally, live production with a cinema camera requires the use of many external devices, but with the AK-PLV100GSJ, only the camera is needed to build a system. The AK-PLV100GSJ outputs SMPTE ST2110 video directly from its camera head and merely requires an optical-fiber connection for return input, intercom input/output, PTP synchronization, trunk out, and tally input.

### < Input/output method for camera head alone >

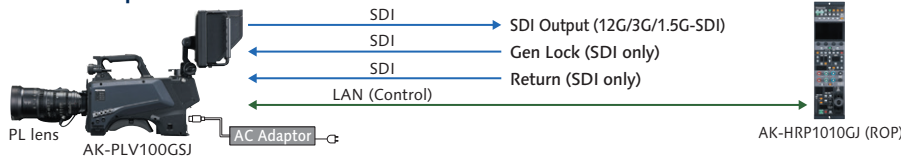
- HD mode: Uncompressed SMPTE ST2110 input/output standard<sup>2</sup>
- 4K mode: SMPTE ST2110 output with JPEG-XS compression standard<sup>2</sup>
- 12G-SDI output standard

<sup>2</sup> Future support planned

### ■ SMPTE ST2110 output from camera head (Future support planned via firmware update)



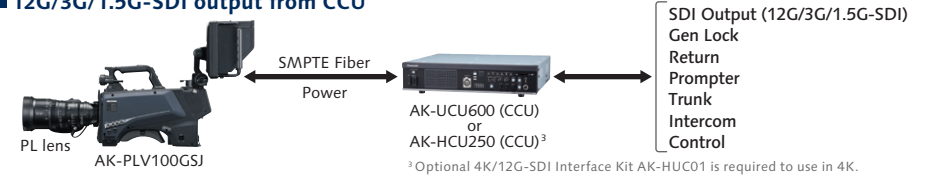
### ■ 12G-SDI output from camera head



## Compatible with 2/3-inch Studio Camera Equipment

Compatibility with Panasonic's 2/3-inch studio-camera system equipment allows the use of CCUs, ROPs and other accessories. Under this new concept for live production, the camera head is selected according to the desired expression.

### ■ 12G/3G/1.5G-SDI output from CCU



<sup>3</sup> Optional 4K/12G-SDI Interface Kit AK-HUC01 is required to use in 4K.

### ■ SMPTE ST2110 output from CCU using optional IP/12G/3G Interface Kit



Compatible devices: AK-UCU600PSJ/ESJ, AK-HCU250PSJ/ESJ, AK-HRP1010GJ, AK-HRP1015GJ and AK-MSU1000GJ

## Other Features

- 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.
- Digital extender with signal-processing circuitry for 2x image magnification
- Remote switching of motorized ND filter
- Focus assist (Focus in Red/MAG/Focus Square) for fast, accurate focusing
- Fine adjustment of saturation and hue separately using 12-axis color correction and linear matrix
- Beautiful, natural-looking skin thanks to wrinkle and tone correction
- Shockless gain smooths out images during gain changes

## AK-PLV100GSJ Specifications

Note: Specifications are subject to change without prior notice.

Power Supply	DC 12 V (when using an external power supply) DC 190 V (when AK-HCU250PSJ/HCU250ESJ is connected) AC 240 V (when AK-UCU600PSJ/UCU600ESJ is connected)
Weight	Approx. 4.2 kg (9.26 lbs.) (body only, excluding the accessories)
Dimensions (W x H x D)	Body only 151 mm x 267 mm x 389 mm (5-31/32 inches x 10-17/32 inches x 15-11/32 inches) (excluding protrusions)
Pickup Device	535mm 17.25 million pixels MOS Sensor
Lens Mount	35mm PL Mount
Output Format	<ul style="list-style-type: none"> <li>• 3840x2160/59.94p/50p/29.97p/25p/23.98p</li> <li>• 1920x1080/59.94p/50p/29.97p/25p/23.98p over 59.94i</li> <li>• 720/59.94p/50p</li> </ul>
Horizontal Resolution	4K: 2000 TV lines (center)
S/N	62 dB or above
Terminal	12G-SDI x 1, 3G-SDI x 1, AUX x 1, OPT (LEMO) x 1

# Panasonic®

Panasonic Connect Co., Ltd.  
2-15 Matsuba-cho, Kadoma, Osaka 571-8503 Japan

SP-PLV100WEB\_202210U



For more information, please visit  
Panasonic web site



Factories of Panasonic Connect Co., Ltd. have received ISO14001:2015-the Environmental Management System certification. (Except for 3rd party's peripherals.)