



World's first 4K 60p/50p PTZ camera with high bandwidth NDI and SRT

AW-UE100

This 4K Integrated Camera is compatible with various IP transmission protocols, including NDI®*1, SRT*2, and Freed*3, achieving flexible video production with high-quality 4K 60p/50p*4 video. 12G-SDI output is also supported in addition to 3G-SDI and HDMI, allowing the appropriate output to be selected for use in a wide range of situations, from live streaming of events to studio production.

Key Features

Supports a wide variety of IP transmission protocols, including NDI, NDI|HX, SRT

Supports 4K 60p/50p shooting and 12G-SDI output

Includes a wide angle lens with a 74.1 degree field of view and 24x optical zoom

Supports Freed for building AR/VR systems

Adopts new mechanical pan/tilt for improved responsiveness and quietness



Product Image: AW-UE100



AW-UE100

<https://ap.connect.panasonic.com/p/en/products/broadcast-proav/aw-ue100>

Weight (kg)	Approx. 2.2 kg (excluding cable cover, direct ceiling mount bracket) Approx. 2.3 kg (excluding direct ceiling mount bracket)
Current Consumption	Main unit: 3.0 A (DC jack input), 1.2 A (PoE++ power supply), AC adaptor (included): 3.0 A
Power Requirements	Main unit: DC 12 V±10% (10.8 V to 13.2 V), AC adaptor: AC 100 V to 240 V
PoE++	Complies with IEEE802.3bt: DC 42 V to 57 V (camera end) (supports software authentication (LLDP communication))
Dimensions	169.2 mm x 170.6 mm x 204.6 mm (6.66 inches x 6.72 inches x 8.06 inches) (excluding protrusions, cable cover, and direct ceiling mount bracket)
Image Sensor	1/2.5-type 4K MOS x 1
Lens	Electric powered 24x optical zoom F1.8 to F4.0 (f = 4.12 mm to 98.9 mm, converted to 35 mm: 25.0 mm to 600.0 mm) i.Zoom (UHD: 28x, FHD: 36x) (*switches from optical 24x i.Zoom digital zoom)
Field of View Range	Horizontal field of view: 74.1° (wide) to 3.3° (tele), vertical field of view: 46.0° (wide) to 1.9° (tele), diagonal field of view: 81.8° (wide) to 3.8° (tele)
Horizontal Resolution	1,400 TV lines Typ (center area)
Output Formats	[4K formats] 2160/59.94p, 2160/50p, 2160/29.97p (native), 2160/25p (native), 2160/24p (native), 2160/23.98p (native) [HD formats] 1080/59.94p, 1080/50p, 1080/29.97p (native), 1080/29.97PsF, 1080/25p (native), 1080/25PsF, 1080/23.98p over 59.94i, 1080/24p (native), 1080/23.98p (native), 1080/23.98PsF, 1080/59.94i, 1080/50i, 720/59.94p, 720/50p
HDMI	HDMI 2.0 connector 4:2:2/10 bit*3*4
LAN	LAN for IP control and video transmission/PoE++ terminal (RJ-45)
RS-422	CONTROL IN RS422A (RJ-45)
12G-SDI OUT	SMPTE2082-1, SMPTE292 compliant/75 Ω (BNC x 1)*5
3G-SDI OUT	SMPTE292/75 Ω (BNC x 1)*5
MIC/Line Input	Supported (SDI/HDMI/IP), AAC compatible (IP only) 03.5 mm stereo mini jack For mic input, input level: -40 dBV (0 dB = 1 V/Pa, 1 kHz) plug-in power compatible, supply voltage: 2.5 V ±0.5 V For line input, input level: -10 dBV Input volume variable range: -36 dB to 12 dB (3 dB step) embedded audio output level: -12 dBFS Sampling frequency: 48 kHz Quantified bit count: 24bit (SDI, HDMI), 16bit (IP)
Resolution	3840 x 2160, 1920 x 1080, 1280 x 720, 640 x 360, 320 x 180
Tilting Range	-30° to 210°*6
Panning Range	±175°
Video Compression Format	JPEG (MJPEG), H.264, H.265, NDI HX, High bandwidth NDI
NDI Support	NDI, NDI HX: Included as standard*7*8
Mechanical Pan/Tilt	Direct Drive system
Note	*Product specifications are subject to change without notice for reasons of improvement, etc. *3: HDCP not supported. *4: VIERA Link not supported. *5: Level-A/Level-B supported. *6: The main unit may appear in video, depending on the pan/tilt position. *7: High bandwidth NDI and high efficiency low bandwidth NDI HX cannot be used simultaneously. *8: NDI: High bandwidth NDI, NDI HX: High efficiency low bandwidth NDI HX. *NDI and NDI HX, a technology of NewTek, Inc. NDI and NDI HX are registered trademarks of NewTek, Inc.* The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing Administrator, Inc. in the United States and other countries.* "YouTube" and the "YouTube logo" are registered trademarks of Google Inc.* "Facebook" is a registered trademark of Facebook, Inc.