Panasonic CONNECT



Planned for launch in the second quarter of 2026.

AW-UE5WG/KG

An ultra-wide 121° 4K camera with NDI® HX² support, featuring group framing that automatically adjusts the view to improve operational efficiency. The compact 4K Integrated camera featuring an ultra-wide 121° horizontal angle 4K lens, and its AI-powered auto group framing function adjusts the framing based on the situation without requiring detailed operation by the operator. Supporting both PoE¹ and NDI® HX for high-quality IP video transmission, the camera is well suited for corporate and educational use, remote learning, live event streaming, and multi-camera production—enabling efficient operation with minimal staff and improved production efficiency. *1 Abbreviation of Power over Ethernet. *2 * NDI® is a video connectivity technology and is registered as a trademark by Vizrt NDI AB in the United States and other countries.

Key Features

- Auto-framing function that automatically adjusts the angle of view using AI technology
- Ultra-wide-angle 4K lens with a 121° field of view
- Flexible Operation

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https://ap.connect.panasonic.com/sg/en/products/broadcast-proav/aw-ue5wgkg

General -> Power Requirements	DC 5 V±5 % (4.75 V to 5.25 V)
General -> PoE	IEEE802.3at compliant: DC37 V to 57 V
General -> Current Consumption	3.0A (USB input), 0.3A (PoE power supply)
General -> Ambient Operating Temperature	0 °C to 40 °C (32 °F to 104 °F)
General -> Ambient Operating Humidity	20 % to 90 % (no condensation)
General -> Storage Temperature	–20 °C to 50 °C (–4 °F to 122 °F)
General -> Weight	Approx. 0.5 kg (1.1 lb) (excluding mount bracket)
General -> Dimensions	W 123 mm x H 131 mm x D 139 mm (4-53/64 inches x 5-5/32 inches x 5-15/32 inches) (excluding protrusions, mount bracket)
General -> Finish	AW-UE5WG : White AW-UE5KG : Black
General -> Controller Supported	AW-RP60*1, AW-RP150*1, AW-RP200*1,AW-RM50AG
Camera Unit -> Imaging Sensor	1/2.8-type MOSx1
Camera Unit -> Zoom	Digital Zoom: Up to 5x
Camera Unit -> Lens	F2.45 (f=1.64 mm, 35mm conversion: 11.1mm)
Camera Unit -> Angle of View Range	LDC Off: Horizontal field of view 121.8°, vertical field of view 87.8°, diagonal field of view 129.5°
Camera Unit -> Focus	Single focus
Camera Unit -> Focus Distance	300mm (0.98ft)
Camera Unit -> Horizontal Resolution -> 4K	1,400 TV typ (HDMI Output, center area)
Camera Unit -> Horizontal Resolution -> HD	900 TV typ (HDMI Output, center area)
Camera Unit -> Gain Selection	Auto, 0 to 42 dB Can be set in 3 dB increments
Camera Unit -> Electronic Shutter Speed -> FullAuto	Full Auto Mode with Slow Shutter On / Shutter Priority Mode 1/1, 1/2, 1/5, 1/10, 1/20, 1/30, 1/60, 1/120, 1/240, 1/480, 1/1000, 1/2000, 1/4000, 1/8000, 1/16000 [60Hz/59.94Hz] 1/1, 1/2, 1/5, 1/10, 1/20, 1/25, 1/50, 1/100, 1/250,1/500, 1/1000, 1/2000, 1/4000, 1/8000, 1/16000 [50Hz]
Camera Unit -> Electronic Shutter Speed -> Auto	Full Auto Mode with Slow Shutter Off 1/60, 1/120, 1/240, 1/480, 1/1000, 1/2000, 1/4000, 1/8000, 1/16000 [60Hz/59.94Hz] 1/50, 1/100, 1/250,1/500, 1/1000, 1/2000, 1/4000, 1/8000, 1/16000 [50Hz]
Camera Unit -> Electronic Shutter Speed -> Manual	1/1, 1/2, 1/5, 1/10, 1/20, 1/30, 1/60, 1/120, 1/240, 1/480, 1/1000, 1/2000, 1/4000, 1/8000, 1/16000 [60Hz/59.94Hz] 1/1, 1/2, 1/5, 1/10, 1/20, 1/25, 1/50, 1/100, 1/250,1/500, 1/1000, 1/2000, 1/4000, 1/8000, 1/16000 [50Hz]
Camera Unit -> White Balance	ATW, AWB A, AWB B, 3200K, 5600K
Camera Unit -> Chroma Amount Variability	11 steps (0 to 10)
Camera Unit -> Color Bar	[60Hz/59.94Hz] : SMPTE [50Hz] : FULL
Camera Unit -> Output Format (HDMI) -> 4K	2160/60p*2、2160/59.94p*2、2160/50p*2、2160/30p*3、2160/29.97p*3、2160/25p*3
Camera Unit -> Output Format (HDMI) -> HD	1080/60p*3、1080/59.94p*3、1080/50p*3 1080/30p*3、1080/29.97p*3、1080/25p*3 720/60p*3、720/59.94p*3、720/50p*3
Output Connector -> HDMI	HDMI Connector ・HDCP is not supported. ・Viera Link is not supported.
Input/Output Connector -> LAN	LAN terminal for IP control (RJ-45)
Input/Output Connector -> USB	Type-C connector
Pan-tilt Head Unit -> IP connecting cable *5	・When a PoE ethernet hub is used: LAN cable*4(category 5e or above), max. 100 m (328 ft) ・When a PoE ethernet hub is not used: LAN cable*4(category 5 or above), max.100 m (328 ft)
Pan-tilt Head Unit -> Installation Method	Stand-alone (Desktop) or suspended (Hanging)*5
Pan-tilt Head Unit -> Panning Range	±110° (manual)
Pan-tilt Head Unit -> Tilting range	±25° (manual)
Supported Operating Systems and Web Browsers -> Windows	Windows 11 Microsoft Edge Chrome
Supported Operating Systems and Web Browsers -> Mac	macOS 15 macOS 14 macOS 13 Safari Chrome
IP Streaming -> Image Streaming Mode	MJPEG (HTTP), H.264 (RTSP/RTMP/RTMPS), H.265 (RTSP), NDI® HX*6
IP Streaming -> Image Resolution	[MJPEG] 1280x720 [H.264/H.265] 3840x2160, 1920x1080 , 1280x720, 640x360

IP Streaming -> Image Transmission Setting (MJPEG) -> Frame Rate	[60Hz/59.94Hz]Maximum 30fps [50Hz]Maximum 25fps
IP Streaming -> Image Transmission Setting (H.264) -> Frame Rate	[60Hz/59.94Hz]30fps/60fps [50Hz]25fps/50fps
IP Streaming -> Image Transmission Setting (H.265) -> Frame Rate	[60Hz/59.94Hz]30fps/60fps [50Hz]25fps/50fps
IP Streaming -> Audio Compression Format	AAC-LC, 48 kHz / 16 bit / 2ch
USB web camera -> Image output	USBVideoClassVer1.1
USB web camera -> Image output type	YUV、MJPEG
USB web camera -> Image resolution -> YUV	1280x720, 640x360
USB web camera -> Image resolution -> MJPEG	3840x2160, 1920x1080 , 1280x720 , 640x360
USB web camera -> Audio Output	USB Audio Class Ver1.0
USB web camera -> Audio Compression Format	Linear PCM, 48KHz/16bit/2ch
Internal Mic -> Internal Mic	Stereo microphone
Internal Mic -> Audio On/Off	Available (mute function)
Internal Mic -> ALC Function	Available
Footnote Description	1. Future support planned 2. Only available when Priority mode is 4K High Frame Rate 3. Only available when Priority mode is ePTZ/AI 4. Use of an STP (shielded twisted pair) cable is recommended. 5. To ensure safety, the unit must be secured using the mount bracket supplied. 6. NDI® is a video connectivity technology and is registered as a trademark by Vizrt NDI AB in the United States and other countries.