

Panasonic

AW-UE5W [White Model]

AW-UE5K [Black Model]

4K Integrated Camera For Indoor Use



Compact 4K PTZ Camera with Ultra-wide-angle Lens and AI-driven Auto Framing

- Equipped with 121° ultra-wide-angle lens. Supports multiple output formats, including 4K/60p, for diverse applications.
- Two AI-driven auto-framing functions for more effective and efficient camerawork.
- PoE power supply, USB camera functionality and support for NDI® HX2 and NDI® HX3* facilitate high-quality IP video transmission.

* 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 for Enhanced Efficiency in Video Capture and Production

AI-driven Auto Framing*1

Group Framing

Automatically adjusts the field of view so that all participants within the shooting area, such as in web conferences, fit in the frame. Even if people enter or leave during the meeting, the framing is optimized each time.



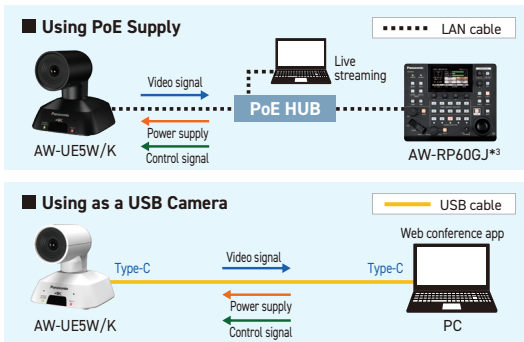
Preset Framing

Automatically switches to a registered field of view when someone enters a preset area such as a podium or stage, enabling efficient operation with minimal resources.



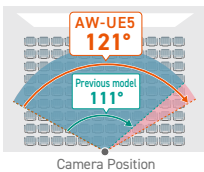
Single Cable Solution

In addition to PoE*2 supply, power supply from a computer via USB cable is also supported to enable operation without connecting an AC adaptor, realizing a single cable solution for video transmission, camera control and power supply. Simultaneous output via HDMI, IP and USB interfaces is also supported.



Ultra-wide-angle Lens with a 121° Field of View

Equipped with an ultra-wide-angle lens with a 121° field of view to capture every part of even the largest spaces and transmit wide-angle video in limited installation space.



Smooth 4K/60p Video Output

Supports 3840x2160/60p 4K video output and a variety of other formats for use in a wide range of environments.

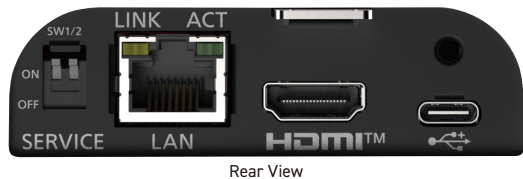
Digital Pan, Tilt and Zoom*1

Equipped with digital zoom for magnification up to five times to capture distant subjects clearly. Once images are zoomed in, digital pan/tilt is available, offering flexibility to shoot from different angles.

NDI® HX2/NDI® HX3 and RTMP/RTMPS*4 Compatibility

Support for high-quality IP video transmission via NDI® HX2 and NDI® HX3 allows seamless integration into existing network environments. Effortless IP streaming of high-resolution footage enables highly flexible, efficient, and scalable production workflows.

The AW-UE5W/K also supports RTMP/RTMPS for direct upload and streaming of video on services such as YouTube Live or Facebook Live. Video can be uploaded and streamed directly from the camera to live streaming services.



Specifications

Comprehensive		
Power Requirements		DC 5 V±5% (4.75 V to 5.25 V)
PoE		IEEE802.3af standard: DC37 V to 57 V (camera)
Current Consumption		3.0 A (USB connector), 0.3 A (PoE power supply)
Mass		Approx. 0.5 kg (1.1 lb) (Excluding ceiling mount bracket)
Dimensions (W x H x D)		123 mm x 131 mm x 139 mm (4-53/64 inches x 5-5/32 inches x 5-15/32 inches) (excluding protrusions, ceiling mount bracket)
Camera Unit		
Image Sensors		1/2.8 type MOS
Lens		F2.45 (f=1.64 mm, 35 mm (1-3/8 inches) conversion: 11.1 mm)
Field of View Range		[LDC OFF*5] Horizontal: 121.8°, Vertical: 87.8°, Diagonal: 129.5° [LDC ON*5] Horizontal: 121.0°, Vertical: 87.8°, Diagonal: 127.4°
Zoom		Digital Zoom: Up to 5x
Output Format	4K	2160/60p, 2160/59.94p, 2160/50p, 2160/30p, 2160/29.97p, 2160/25p
(HDMI)	HD	1080/60p, 1080/59.94p, 1080/50p, 1080/30p, 1080/29.97p, 1080/25p, 720/60p, 720/59.94p, 720/50p
Internal Mic		
Internal Mic		Stereo microphone
Output		
Output	HDMI	HDMI connector, 4:4:4/8bit*6
Input/Output		
Input/Output	LAN	LAN terminal for IP control (RJ45)
	USB	Type-C terminal
IP Streaming		
Video Compression Format		MJPEG(HTTP), H.264(RTSP/RTMP/RTMPS), H.265(RTSP), NDI® HX2, NDI® HX3
Resolution	MJPEG	1280x720
	H.264/H.265	3840x2160, 1920x1080, 1280x720, 640x360
Frame Rate	MJPEG	[60 Hz/59.94 Hz] Max. 30fps [50 Hz] Max. 25fps
	H.264	[60 Hz/59.94 Hz] 5fps/15fps/30fps/60fps [50 Hz] 5fps/10fps/25fps/50fps
	H.265	[60 Hz/59.94 Hz] 5fps/15fps/30fps/60fps [50 Hz] 5fps/10fps/25fps/50fps
Audio Compression Format		AAC-LC, 48 kHz/16bit/2ch
USB Web Camera Section		
Video Output		USB Video Class Ver1.1
Video Output Format		YUV, MJPEG
Resolution	YUV	1280x720, 640x360
	MJPEG	3840x2160, 1920x1080, 1280x720, 640x360
Image Streaming	YUV	[60 Hz/59.94 Hz] 60fps/30fps/15fps/5fps [50 Hz] 50fps/25fps/10fps/5fps
Frame Rate	MJPEG	[60 Hz/59.94 Hz] 60fps/30fps/15fps/5fps [50 Hz] 50fps/25fps/10fps/5fps
Audio Output		USB Audio Class Ver1.0
Audio Compression Format		Linear PCM, 48 kHz/16bit/2ch

*1: Available only when Priority mode is set to ePTZ/AI. *2: Abbreviation of Power over Ethernet. *3: Some functions will be supported in the future. *4: RTMP: Real-Time Messaging Protocol, RTMPS: Real-Time Messaging Protocol Secure. *5: LDC is the abbreviation for Lens Distortion Correction. *6: HDCP not supported. VIERA Link not supported.
• All company names, product names and other designations appearing in this catalog are registered trademarks or trademarks of their respective holders.

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The information herein is current as of July 2026.

For the latest information, please visit Panasonic web site
<https://pro-av.panasonic.net/en/>



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