



The AW-UE4 electronic PTZ Camera supports up to 4K/30P video output

AW-UE4

Compact 4K PTZ Camera for 4K 30p/25p* high quality video output. Equipped with an ultra-wide-angle lens with a 111° field of view and capable of video output with three interfaces, HDMI, LAN and USB. *Actual output format is UHD(3840x2160)29.97p/25p

Key Features

High-Quality 4K 30p/25p Video Output

Ultra-Wide-Angle Lens with 111° Field of View

Single Cable Solution

Operation without connecting an AC adapter via PoE or via USB

Zoom Certified



AW-UE4

<https://eu.connect.panasonic.com/gb/en/broadcast-proav/remote-ptz-camera-systems/aw-ue4>

| | |
|---|--|
| General -> Power Requirements | DC 5 V±5 % (4.75 V to 5.25 V) |
| General -> PoE | PoE |
| | IEEE802.3at compliant: DC37 V to 57 V |
| General -> Current Consumption | 1.0A (USB input), 0.2A (PoE power supply) |
| General -> Ambient Operating Temperature | 0 °C to 40 °C (32 °F to 104 °F) |
| Humidity | |
| 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 5-29/64 inches) (excluding protrusions, mount bracket) W 123 mm x H 131 mm x D 152 mm (4-53/64 inches x 5-5/32 inches x 5-62/64 inches) (excluding mount bracket) |
| General -> Finish | AW-UE4WG: White AW-UE4KG: Black |
| General -> Controller Supported | See the Compatibility Chart for Operation Devices and Application Software page |
| Camera Unit -> Imaging Sensor | 1/2.5-type MOSx1 |
| Camera Unit -> Zoom | • Digital Zoom: 4x |
| Camera Unit -> Lens | F2.4 (f=2.21 mm, 35 mm conversion: 13.4 mm) |
| Camera Unit -> Angle of View Range | LDC ^{*2} Off: Horizontal field of view 111°, vertical field of view 75°, diagonal field of view 120° LDC ^{*2} On: Horizontal field of view 108°, vertical field of view 75°, diagonal field of view 116° |
| Camera Unit -> Focus | Single focus |
| Camera Unit -> Focus Distance | 700 mm |
| Camera Unit -> Minimum Illumination | 4 lx (conditions: 50 IRE, gain 42 dB, shutter speed 1/60) |
| Camera Unit -> Horizontal Resolution | > 4K |
| Camera Unit -> Horizontal Resolution | > HD |
| Camera Unit -> Digital Pan and Tilt Angle | 2x digital zoom: Pan approx. ± 34°, tilt approx. ± 21° 4x digital zoom: Pan approx. ± 45°, tilt approx. ± 30° |
| Camera Unit -> Gain Selection | Auto, 0 to 42 dB ^{*3} 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 [60 Hz/59.94 Hz] 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 [50 Hz] |
| | 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 [60 Hz/59.94 Hz] 1/50, 1/100, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/8000, 1/16000 [50 Hz] |
| 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 [60 Hz/59.94 Hz] 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 [50 Hz] |
| Camera Unit -> White Balance | ATW, AWB A, AWB B, 3200K, 5600K |
| Camera Unit -> Chroma Amount Variability | 11 steps (0 to 10) |
| Input Connector -> DC IN | PoE |
| Output Connector -> HDMI | HDMI Connector 4:4:4/8 bit • 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<sup> *5</sup> | • When a PoE ethernet hub is used: LAN cable ^{*8} (category 5e or above), max. 100 m (328 ft) • When a PoE ethernet hub is not used: LAN cable ^{*8} (category 5 or above), max. 100 m (328 ft) |
| Pan-tilt Head Unit -> Installation Method | Stand-alone (Desktop) or suspended (Hanging) ^{*7} |
| Pan-tilt Head Unit -> Panning Range | ±110° (manual) |
| Pan-tilt Head Unit -> Tilting range | ±25° (manual) |
| IP Streaming -> Image Streaming Mode | MJPEG (HTTP), H.264 (RTSP/RTMP/RTMPS), H.265 (RTSP) |

| | |
|---|---|
| IP Streaming -> Image Resolution | [MJPEG] 1280×720、640×360 [H.264/H.265] 3840×2160、1920×1080、1280×720、640×360 |
| IP Streaming -> Image Transmission Setting (MJPEG) -> Frame Rate | Max. 30fps (25fps) |
| IP Streaming -> Image Transmission Setting (MJPEG) -> Max Bit Rate | Unspecified |
| IP Streaming -> Image Transmission Setting (H.264) -> Frame Rate | [60 Hz/59.94 Hz] 5fps / 15fps / 30fps / 60fps (4K up to 30fps) [50 Hz] 5fps / 10fps / 25fps / 50fps (4K up to 25fps) |
| IP Streaming -> Image Transmission Setting (H.264) -> Max Bit Rate | 1024kbps to 32768kbps |
| IP Streaming -> Image Transmission Setting (H.265) -> Frame Rate | [60 Hz/59.94 Hz] 5fps / 15fps / 30fps / 60fps (4K up to 30fps) [50 Hz 9] 5fps / 10fps / 25fps / 50fps (4K up to 25fps) |
| IP Streaming -> Image Transmission Setting (H.265) -> Max Bit Rate | 1024kbps to 32768kbps |
| IP Streaming -> Audio Compression Format | AAC-LC, 48kHz/16bit/2ch |
| IP Streaming -> Supported Protocol -> IPv6 | TCP/IP, UDP/IP, HTTP, RTSP, RTP, RTP/RTCP, DNS, ICMPv6 |
| IP Streaming -> Supported Protocol -> IPv4 | TCP/IP, UDP/IP, HTTP, RTSP, RTP, RTP/RTCP, DHCP, DNS, ICMP, ARP, RTMP, RTMPS |
| USB web camera -> Image output | USB Video Class Ver1.1 |
| USB web camera -> Video Compression Format | YUV, MJPEG |
| USB web camera -> Image resolution -> YUV | 640 x 360 |
| USB web camera -> Image resolution -> MJPEG | 3840 x 2160, 1920 x 1080, 1280 x 720, 640 x 360 |
| USB web camera -> Image Transmission Setting (frame rate) -> YUV | [60 Hz/59.94 Hz] :15fps [50 Hz]:10fps |
| USB web camera -> Image Transmission Setting (frame rate) -> MJPEG | [60 Hz/59.94 Hz] 30fps ^{*5} / 15fps ^{*5} / 5fps [50 Hz] 25fps ^{*5} / 10fps ^{*5} / 5fps |
| 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

AW-RP60G] connection support planned for the future. See the Panasonic website for more details. Use may require a software version update.

LDC is the abbreviation for Lens Distortion Correction.

HDCP not supported.

VIERA Link not supported.

VIERA Link not supported.

JPEG and H.264, H.265 simultaneous operation supported.

To ensure safety, the unit must be secured using the mount bracket supplied.

STP (Shielded Twisted Pair) recommended.

