Panasonic CONNECT



4K PTZ Camera with 20x Optical Zoom and supporting SRT and Zoom

AW-UE30

4K PTZ Camera with 20x Optical Zoom and supporting SRT and Zoom

Key Features

- 1/2.5-type 4K MOS sensor, 74.1° field of view and 20x Optical Zoom
- Built-in Auto Tracking Function
- Direct Drive System for improved responsiveness and quietness
- Image stabilizer for stable video shooting
- Excellent system flexibility to achieve smart wiring and smooth operation

SRT SECURE RELIABLE TRANSPORT

4K PROFESSIONAL

HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE

Panasonic CONNECT






AW-UE30

https://eu.connect.panasonic.com/gb/en/broadcast-proav/remote-ptz-camera-systems/aw-ue30

General	
Power Requirements	12 V DC (10.8 V to 13.2 V) (Supplied AC adapter)
PoE+	IEEE802.3at compliant : DC42 to 57 V (Camera Input)(Software authentication (LLDP) is supported)
Current Consumption	1.8 A (Supplied AC adaptor), 0.6 A (PoE+ power supply)
Ambient Operating Temperature	0 °C to 40 °C (32 °F to 104 °F)
Ambient Operating Humidity	20 % to 90 % (no condensation)
Storage Temperature	-20 °C to 50 °C (-4 °F to 122 °F)
Mass	Approx. 1.8 kg (3.97 lbs) (excluding ceiling mounting bracket)Approx. 2.05 kg (4.51 lbs) (including ceiling mounting bracket)
Dimensions (W x H x D) (mm)	160.0 mm x 192.1 mm x 166.0 mm (Excluding protrusions, cable cover, ceiling mounting bracket)
Dimensions (W x H x D) (inch)	6.299 inches x 7.563 inches x 6.535 inches (Excluding protrusions, cable cover, ceiling mounting bracket)
Finish	AW-UE30W: WhiteAW-UE30K: Black
Controller Supported	AW-RP150GJ, AW-RP60GJ, AW-RM50AG
Camera Unit	
Imaging Sensors	1/2.5-type 4K MOS x1
Lens	Motorized Optical 20x zoom, F1.8 to F3.9 [f=4.12 mm (5/32 inches) to 82.4 mm (3-1/4 inches); 35 mm (1-3/8 inches) equivalent: 25.0 mm (31/32 inches) to 500.0 mm (19-11/16 inches)]
Zoom	• Optical zoom: 20x • i.Zoom UHD 23x, FHD 30x • Digital extender zoom: 1.4 x , 2 x
Conversion Lens	Not supported
Angle of View Range	Horizontal angle of view: 74.1° (wide) to 4.0° (tele) Vertical angle of view: 46.0° (wide) to 2.2° (tele) Diagonal angle of view: 81.8° (wide) to 4.5° (tele)
Optical Filter	
Focus	Switching between auto and manual
Focus Distance	Entire zooming range: 1200 mm (3.9 ft)Wide end: 100 mm (0.33 ft)
Color Separation Optical System	1MOS
Minimum Illumination	3 lx (F1.8, 59.94p, 50IRE, 42 dB, without accumulation)
Horizontal Resolution	UHD: 1,500 Typ (Center area)FHD: 1,000 Typ (Center area)
Gain Selection	Auto, 0 dB to 36 dB*1 (Super Gain function equipped : 37 dB to 42 dB)
Frame Mix	Auto, 0 dB, 6 dB, 12 dB, 18 dB, 24 dB*2
Electronic Shutter Speed	
Electronic Shutter Speed | 59.94p/59.94i	1/60, 1/100, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/8000, 1/10000
Electronic Shutter Speed | 29.97p	1/30, 1/60, 1/100, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/8000, 1/10000
Electronic Shutter Speed | 50p/50i	1/60, 1/100, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/8000, 1/10000
Electronic Shutter Speed | 25p	1/25, 1/50, 1/60, 1/100, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/8000, 1/10000
Syncro Scan	
Synchro Scan | 59.94p/59.94i	60.0 Hz to 7200 Hz
Synchro Scan | 23.98p/24p	24.0 Hz to 7200 Hz
Synchro Scan | 50p/50i	50.0 Hz to 7200 Hz
Synchro Scan | 25p	25.0 Hz to 7200 Hz
Gamma	HD / Normal / Cinema1 / Cinema2 / Still Like
White Balance	• ATW : 3200 K, 5600 K (ATW Speed 3-stage variables.) • AWB : AWB-A / AWB-B • VAR (selectable between 2000 K and 15000 K by designating a value)
Chroma Amount Variability	OFF, -99 % to 99 %
Scene File	
Output Format	

Output Format | HDMI | 4K	2160/29.97p (Native), 2160/25p (Native), 2160/24p (Just), 2160/23.98p (Native)
Output Format | HDMI | HD	1080/59.94p, 50p, 1080/59.94i, 50i, 1080/29.97p (Native), 25p (Native), 23.98p (over59.94i), 1080/24p (Just), 23.98p (Native), 720/59.94p, 50p
Input	
Input Connector	DC 12 V IN
Output	
Video Output	
Video Output | HDMI	HDMI 1.4 connector, 4:2:2/10bit • HDCP is not supported. • Viera Link is not supported.
Input/Output	
Input/Output Connector	
Input/Output Connector | LAN	LAN terminal for IP control (RJ-45)
Input/Output Connector | RS-422	CONTROL IN RS422A (RJ-45)
MIC/Line Input	AAC compatibility (compatible with IP only) Φ3.5 mm stereo mini jack • During MIC input Input level: -40 dBV (0 dB=1 V/Pa, 1 kHz) Supply voltage: 2.5 V±0.5 V (plug-in power compatible) • Input impedance: Approx. 2 kΩ (when plug-in power is turned ON) Approx. 20 kΩ (when plug-in power is turned OFF)" • During LINE input Input level: -10 dBV Input impedance: Approx. 3 kΩ • Input volume variable range: -36 dB to 12 dB (3 dB step) • Embedded audio output level: -12 dBFS • Sampling frequency: 48 kHz
Pan Tilt Head Unit	
Camera/Pan-Tilt Head Control	
IP Connecting Cable	• If you have a PoE+ ethernet hub LAN cable*3 (category 5e or above, straight cable) Max 100 m (328 ft) • If you don't have a PoE+ ethernet hub LAN cable*3 (category 5e or above, straight cable) Max 100 m (328 ft)
AW Protocol Connecting Cable	• LAN cable*3 (category 5e or above, straight cable) Max 1000 m (3280 ft)
Installation Method	Stand-alone (Desktop) or suspended (Hanging)*4
Pan/Tilt Operation Speed	Speed range: 0.08°/s to 60°/s (Normal mode)*5 • 3 speed modes installed Normal:60°/s, Fast1:90°/s, Fast2:180°/s
Panning Range	±175°
Tilting Range	-30°to 90°*6
Quietness	NC25 or less
Supported operating systems and web browsers	*7

Windows	Windows 10 Windows® Internet Explorer® 11 (32 bit / 64 bit) Microsoft Edge Google Chrome
Mac	Mac OS v11.0.1 / Safari 14.01 Mac OS v11.0.1 / Google Chrome Mac OS v10.15 / Google Chrome Mac OS v10.14 / Google Chrome
iPhone / iPad	iOS Safari iPadOS
Android	Android OS Google Chrome
IP Streaming	
Image Streaming Mode	JPEG (MJPEG), H.264, H.265,
Image Resolution	1920x1080, 1280x720, 640x360, 320x180
Image Transmission setting (JPEG)	Frame rate: Maximum 30fpsImage quality (Fine / Normal)
Image Transmission Setting (H.264)	Transmission Type: Unicast port (AUTO), Unicast port (MANUAL), Multicast port Transmission Priority: Constant bit rate, Frame rate, Best effort Frame Rate: [60 Hz] 5fps / 15fps / 30fps / 60fps, [50 Hz] 5fps / 12.5fps / 25fps / 50fps Max Bit Rate: 512kbps / 768kbps / 1024kbps / 1536kbps / 2048kbps / 3072kbps / 4096kbps / 6144kbps / 8192kbps / 10240kbps /12288kbps / 14336kbps / 16384kbps / 20480kbps / 24576kbps
Image Transmission Setting (H.265)	Transmission Type: Unicast port (AUTO), Unicast port (MANUAL), Multicast port Transmission Priority: Constant bit rate, Frame rate, Best effort Frame Rate: [60 Hz] 30fps / 60fps, [50 Hz] 25fps / 50fps Max Bit Rate: 512kbps / 768kbps / 1024kbps / 1536kbps / 2048kbps / 3072kbps / 4096kbps / 6144kbps / 8192kbps / 10240kbps /12288kbps / 14336kbps / 16384kbps / 20480kbps / 24576kbps
Audio Compression Type	AAC-LC, 48 kHz / 16 bit / 2ch
Supported Protocol	
Supported protocol | IPv6	TCP/IP, UDP/IP, HTTP, HTTPS, DNS, NTP, DHCPv6, RTP, MLD, ICMP, ARP, RTMP, SRT
Supported protocol | IPv4	TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP, DHCP, DNS, DDNS, NTP, IGMP, ICMP, ARP, RTMP, RTMPS, SRT
New Functions	
F-Number Display	Displayed on the AW-RP150GJ and AW-RP60GJ sides
Menu Display on IP Video	Supported*9
Power LED	ON/OFF control
Tripod Screw Penetration Measures	Possible
Pan/Tilt Mechanical Method	New Direct Drive System
Image Stabilization	OIS 2-axis MENU switching: Select between Off/O.I.S.
Privacy Mode	The lens surface faces backward when standing by (ON/OFF) * Default is OFF
Other Functions	
Tally LED display color	red / green

Note	*1:Can be set in 1 dB step increments. *2:Cannot be set when the format is 2160/29.97p, 2160/23.98p, 2160/24p, 2160/25p, 1080/29.97p, 1080/23.98p (59.94i), 1080/29.97PsF, 1080/23.98PsF, 1080/25p, 1080/25PsF. *3:STP (Shielded Twisted Pair) is recommended. *4:To ensure safety, the unit must be secured using the mount bracket supplied. *5:Note that the operating noise may be loud in high speed. If the operating noise is disturbing, use the Normal mode. *6:The main unit may appear in the video depending on the pan/tilt position. *7:Supported OS indicated are for browsers current as of September 2021. See "Service and Support / PASS" for the latest information on browser support. *8:NDI® is a registered trademark of Vizrt NDI AB in the United States and other countries. *9:Non-synchronous with SDI-OUT
NDI®*8 Support	-
Image Resolution | NDI®*8 HX version 2	-
Image Transmission Setting (NDI®*8 HX version 2)	-
Audio Compression Type | NDI®*8 HX version 2	-