Panasonic CONNECT



4K PTZ Camera with IT Certifications supporting NDI®*1 HX version 2 and SRT

AW-UE40

Remote cameras enhance visual communication in a variety of applications ranging from online classes to online seminars. The AW-UE50/UE40 supports a compact design to blend in with the surroundings and operates very quietly to permit flexible use in any video shooting locations or conditions. The AW-UE50/UE40 offers high security and it is easy to install and operate for capturing stable images, so even people unfamiliar with video shooting or camera operation can utilize it. The excellent flexibility of the product

Key Features

24x Optical Zoom

Supports NDI®*1 HX version 2 and SRT*2 protocol

IT Certifications

New Direct Drive System for improved responsiveness and quietness

Excellent system flexibility to achieve smart wiring and smooth operation















AW-UE40

https://latam.connect.panasonic.com/co/es/productos/broadcast-y-proav/aw-ue40

General -> Power Requirements	12 V DC (10.8 V to 13.2 V) (Supplied AC adapter)
General -> PoE	PoE+
	IEEE802.3at compliant : DC42 to 57 V (Software authentication (LLDP) is supported)
General -> Current Consumption	1.8 A (Supplied AC adaptor), 0.6 A (PoE+ power supply)
General -> Ambient Operating	0 °C to 40 °C (32 °F to 104 °F)
Temperature	
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. 1.8 kg (3.97 lbs) (excluding ceiling mounting bracket) Approx. 2.05 kg (4.52 lbs) (including ceiling mounting bracket)
General -> Dimensions	W 160.0 mm x H 192.1 mm x D 166.0 mm
	(6.299 inches x 7.563 inches x 6.535 inches)
	(Excluding protrusions, cable cover, ceiling mounting bracket)
General -> Finish	AW-UE40W: White AW-UE40K: Black
General -> Controller Supported	See the "Compatibility Chart for Operation Devices and Application Software" page
Camera Unit -> Imaging Sensor	1/2.3-type MOSx1
Camera Unit -> Effective Pixels	Approx. 8,490,000 pixels
Camera Unit -> Zoom	• Optical zoom: 24x
	• i.Zoom UHD 28x, FHD 36x
	• Digital extender zoom: 1.4x , 2x
Camera Unit -> Lens	Motorized Optical 24x zoom, F1.8 to F4.0
	[f=4.12 mm (5/32 inches) to 98.9 mm (3-29/32 inches);
Camera Unit -> Conversion Lens	35 mm (1-3/8 inches) equivalent: 25.0 mm (31/32 inches) to 600.0 mm (23-5/8 inches)] Not supported
Camera Unit -> Angle of View Range	Horizontal angle of view: 74.1° (wide) to 3.3° (tele)
	Vertical angle of view: 46.0° (wide) to 1.9° (tele)
	Diagonal angle of view: 81.8° (wide) to 3.8° (tele)
Camera Unit -> Optical Filter -> ND	Not equipped
Filter	
Camera Unit -> Focus	Switching between auto and manual
Camera Unit -> Focus Distance	Entire zooming range: 1200 mm (3.9 ft) Wide end: 100 mm (0.33 ft)
Camera Unit -> Color Separation	1MOS
Optical System Camera Unit -> Minimum Illumination	n 3 lx (F1.8, 59.94p, 50IRE, 42 dB, without accumulation)
Camera Unit -> Horizontal Resolution > 4K	
Camera Unit -> Horizontal Resolution > HD	-1,000 Typ (Center area)
Camera Unit -> Gain Selection	Auto, 0 dB to 36 dB *1 (Super Gain function equipped: 37 dB to 42 dB)
Camera Unit -> Frame Mix	Auto, 0 dB, 6 dB, 12 dB, 18 dB, 24 dB *2
Camera Unit -> 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
Camera Unit -> 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
Camera Unit -> 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
Camera Unit -> 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
Camera Unit -> Electronic Shutter Speed -> 23.98p/24p	1/24, 1/48, 1/60, 1/100, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/8000, 1/10000
Camera Unit -> Synchro Scan -> 59.94p/59.94i	60.0 Hz to 7200 Hz
Camera Unit -> Synchro Scan -> 50p/50i	50.0 Hz to 7200 Hz
Camera Unit -> Synchro Scan -> 29.97p	30.0 Hz to 7200 Hz
Camera Unit -> Synchro Scan -> 25 p	25.0 Hz to 7200 Hz
Camera Unit -> Synchro Scan -> 23.98p/24p	24.0 Hz to 7200 Hz
Camera Unit -> Gamma	HD / Normal / Cinema1 / Cinema2 / Still Like
Camera Unit -> 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)
Camera Unit -> Chroma Amount	• VAR (selectable between 2000 K and 15000 K by designating a value) OFF, -99 � to 99 %

> HD mage Stabilization nput Connector -> DC IN Dutput Connector -> HDMI nput/Output Connector -> LAN nput/Output Connector -> RS-422 nput/Output Connector -> WIC/LINE nput/Output Connector -> MIC/LINE nput Pan-tilt Head Unit -> IP connecting able Pan-tilt Head Unit -> AW protocol connecting cable Pan-tilt Head Unit -> Installation Method	(1) 1080/59.94p, 50p, 1080/59.94i, 50i, 1080/29.97p (Native), 23.98p (over59.94i), 1080/24p (Just), 23.98p (Native), 720/59.94p, 50p MENU switching: Select between Off/O.I.S. DC 12 V IN HDMI 1.4 connector 4:2:2/10bit + HDCP is not supported. - Viera Link is not supported. LAN terminal for IP control (RJ-45) 100BASE-TX/1000BASE-T CONTROL IN RS422A (RJ-45) USB2.0 DEVICE, Type C connector, no USB bus-powered function. Only compatible with UVC (USB Video Class) * UVC 1.0, UAC 1.0 AAC compatibility (compatible with IP only) Ø3.5 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 volume variable range: -36 dB to 12 dB (3 dB step) - Embedded audio output level: -12 dBFS - Sampling frequency: 48 kHz - If you have a PoE+ ethernet hub LAN cable *3 (category 5e or above, straight cable) Max 100 m (328 ft) - LAN cable *3 (category 5e or above, straight cable) Max 100 m (328 ft) - LAN cable *3 (category 5e or above, straight cable) Max 100 m (328 ft) - LAN cable *3 (category 5e or above, straight cable) Max 100 m (328 ft) - LAN cable *3 (category 5e or above, straight cable) Max 100 m (328 ft) - LAN cable *3 (category 5e or above, straight cable) Max 100 m (328 ft)
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Pan-tilt Head Unit -> AW protocol connecting cable Pan-tilt Head Unit -> IP connecting cable Pan-tilt Head Unit -> IP stallation Alternation Action	HDMI 1.4 connector 4:2:2/10bit + HDCP is not supported. • Viera Link is not supported. LAN terminal for IP control (RJ-45) 100BASE-TX/1000BASE-T CONTROL IN RS422A (RJ-45) USB2.0 DEVICE, Type C connector, no USB bus-powered function. Only compatible with UVC (USB Video Class) * UVC 1.0, UAC 1.0 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 • If you have a PoE+ ethernet hub LAN cable *3 (category 5e or above, straight cable) Max 100 m (328 ft) • LAN cable *3 (category 5e or above, straight cable) Max 100 m (3280 ft) • LAN cable *3 (category 5e or above, straight cable) Max 100 m (3280 ft)
nput/Output Connector -> LAN nput/Output Connector -> RS-422 nput/Output Connector -> USB nput/Output Connector -> MIC/LINE nput Pan-tilt Head Unit -> IP connecting able Pan-tilt Head Unit -> AW protocol connecting cable Pan-tilt Head Unit -> Installation Method	4:2:2/10bit HDCP is not supported. Viera Link is not supported. LAN terminal for IP control (RJ-45) 100BASE-TX/1000BASE-T CONTROL IN RS422A (RJ-45) USB2.0 DEVICE, Type C connector, no USB bus-powered function. Only compatible with UVC (USB Video Class) *UVC 1.0, UAC 1.0 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 If you have a PoE+ ethernet hub LAN cable *3 (category 5e or above, straight cable) Max 100 m (328 ft) *LAN cable *3 (category 5e or above, straight cable) Max 100 m (328 ft)
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able van-tilt Head Unit -> AW protocol onnecting cable van-tilt Head Unit -> Installation Method	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 • If you have a PoE+ ethernet hub LAN cable *3 (category 5e or above, straight cable) Max 100 m (328 ft) • LAN cable *3 (category 5e or above, straight cable) Max 100 m (328 ft) • LAN cable *3 (category 5e or above, straight cable) Max 100 m (328 ft)
able van-tilt Head Unit -> AW protocol onnecting cable van-tilt Head Unit -> Installation Method	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 • If you have a PoE+ ethernet hub LAN cable *3 (category 5e or above, straight cable) Max 100 m (328 ft) • LAN cable *3 (category 5e or above, straight cable) Max 100 m (328 ft) • LAN cable *3 (category 5e or above, straight cable) Max 100 m (328 ft)
able van-tilt Head Unit -> AW protocol onnecting cable van-tilt Head Unit -> Installation Method	• 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 • 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) • LAN cable *3 (category 5e or above, straight cable) Max 100 m (328 ft)
able van-tilt Head Unit -> AW protocol onnecting cable van-tilt Head Unit -> Installation Method	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 • 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) • LAN cable *3 (category 5e or above, straight cable) Max 100 m (328 ft)
able van-tilt Head Unit -> AW protocol onnecting cable van-tilt Head Unit -> Installation Method	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 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) LAN cable *3 (category 5e or above, straight cable) Max 100 m (328 ft)
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able van-tilt Head Unit -> AW protocol onnecting cable van-tilt Head Unit -> Installation Method	Embedded audio output level: -12 dBFS Sampling frequency: 48 kHz 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) -LAN cable *3 (category 5e or above, straight cable) Max 1000 m (3280 ft)
able van-tilt Head Unit -> AW protocol onnecting cable van-tilt Head Unit -> Installation Method	Sampling frequency: 48 kHz 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) LAN cable *3 (category 5e or above, straight cable) Max 1000 m (3280 ft)
able van-tilt Head Unit -> AW protocol onnecting cable van-tilt Head Unit -> Installation Method	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) LAN cable *3 (category 5e or above, straight cable) Max 1000 m (3280 ft)
able van-tilt Head Unit -> AW protocol onnecting cable van-tilt Head Unit -> Installation Method	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) •LAN cable *3 (category 5e or above, straight cable) Max 1000 m (3280 ft)
Pan-tilt Head Unit -> AW protocol onnecting cable Pan-tilt Head Unit -> Installation Method	If you don't have a PoE+ ethernet hub LAN cable *3 (category 5e or above, straight cable) Max 100 m (328 ft) LAN cable *3 (category 5e or above, straight cable) Max 1000 m (3280 ft)
onnecting cable Pan-tilt Head Unit -> Installation Method	LAN cable *3 (category 5e or above, straight cable) Max 100 m (328 ft) •LAN cable *3 (category 5e or above, straight cable) Max 1000 m (3280 ft)
onnecting cable Pan-tilt Head Unit -> Installation Method	•LAN cable *3 (category 5e or above, straight cable) Max 1000 m (3280 ft)
onnecting cable Pan-tilt Head Unit -> Installation Method	
an-tilt Head Unit -> Installation Method	Stand-alone (Desktop) or suspended (Hanging) *4
an-tilt Head Unit -> Speed range	Speed range: 0.08°/s to 60°/s (Normal mode) *5
an-tilt Head Unit -> Pan/tilt Operation	n• 3 speed modes installed
peed	Normal: 60°/s, Fast1: 90°/s, Fast2: 180°/s
an-tilt Head Unit -> Panning Range	±175°
an-tilt Head Unit -> Tilting range	-30°to 90° *6
an-tilt Head Unit -> Quietness	NC25 or less
upported Operating Systems and	Windows 10
Web Browsers -> Windows *7	Windows® Internet Explorer® 11 (32 bit / 64 bit)
	Microsoft Edge
	Google Chrome
upported Operating Systems and	Mac OS v11.0.1 / Safari 14.01
Veb Browsers -> Mac *7	Mac OS v11.0.1 / Google Chrome
	Mac OS v10.15 / Google Chrome
	Mac OS v10.14 / Google Chrome
upported Operating Systems and	iOS
Veb Browsers -> iPhone/iPad	Safari
	iPadOS
Supported Operating Systems and	Android OS
Veb Browsers -> Android	Google Chrome
P Streaming -> Image Streaming	JPEG (MJPEG), H.264, H.265, NDI® HX *8,9 (H.264)
/lode	
P Streaming -> Image Resolution	1920x1080, 1280x720, 640x360, 320x180
P Streaming -> Image Transmission	·
etting (JPEG)	Image quality (Fine / Normal)
P Streaming -> Image Transmission	· · · · · · · · · · · · · · · · · · ·
etting (H.264) -> Transmission Type	·
	Multicast port
P Streaming -> Image Transmission	Constant bit rate
etting (H.264) -> Transmission mode	
P Streaming -> Image Transmission	Best effort [60 Hz] 5fps / 15fps / 30fps / 60fps
etting (H.264) -> Frame Rate	[50 Hz] 5fps / 12.5fps / 25fps / 50fps
	512kbps / 768kbps / 1024kbps / 1536kbps / 2048kbps / 3072kbps / 4096kbps /
etting (H.264) -> Max Bit Rate	6144kbps / 8192kbps / 10240kbps /12288kbps / 14336kbps / 16384kbps / 20480kbps
	24576kbps
Setting (H.265) -> Transmission Type	Unicastport (MANUAL)
	Multicastport
P Streaming -> Image Transmission	[60 Hz] 5fps / 15fps / 30fps / 60fps
etting (H.265) -> Frame Rate	[50 Hz] 5fps / 12.5fps / 25fps / 50fps
P Streaming -> Image Transmission	
etting (H.265) -> Max Bit Rate	6144kbps / 8192kbps / 10240kbps /12288kbps / 14336kbps / 16384kbps / 20480kbps
P Streaming -> Audio Compression	24576kbps AAC-LC, 48 kHz / 16 bit / 2ch
ormat P Streaming -> Supported Protocol ->	

IP Streaming -> Supported Protocol ->	> TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP, DHCP, DNS, DDNS, NTP, IGMP, ICMP, ARP
IPv4	RTMP, RTMPS, SRT
NDI [®] Support -> NDI [®] Support	NDI® HX : Available to upgrade
NDI [®] Support -> Image Resolution (NDI [®] HX)	1920x1080, 1280x720
NDI [®] Support -> Image Streaming	TCP/UDP
Setting (NDI [®] HX) -> Transmission Type	Unicast/Multicast
NDI [®] Support-> Audio Compression Type (NDI [®] HX)	AAC-LC, 48 kHz, 16 bit, 2 ch
Other Function -> Tally LED Display Color	red / green
Footnote Description	 * NDI® is a registered trademark of Vizrt NDI AB in the United States and other countries Can be set in 1 dB step increments. 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. STP (Shielded Twisted Pair) is recommended. To ensure safety, the unit must be secured using the mount bracket supplied. Note that the operating noise may be loud in high speed. If the operating noise is disturbing, use the Normal mode. The main unit may appear in the video depending on the pan/tilt position. Supported OS indicated are for browsers current as of September 2021. See "Service and Support / PASS" for the latest information on browser support. For details, please contact a sales representative of Panasonic. To use NDI® HX, the driver must be installed and activated. Non-synchronous with SDI-OUT