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 simplifies wiring and operation. Linkage with online conference

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











Panasonic CONNECT



AW-UE40

https://ap.connect.panasonic.com/vn/vi/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 *1	
Camera Unit -> Imaging Sensor	See the "Compatibility Chart for Operation Devices and Application Software" page
Camera Unit -> Effective Pixels	1/2.3-type MOSx1 Approx. 8,490,000 pixels
Camera Unit -> Zoom	• Optical zoom: 24x
Camera Onic-> 200III	• 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);
	35 mm (1-3/8 inches) equivalent: 25.0 mm (31/32 inches) to 600.0 mm (23-5/8 inches)]
Camera Unit -> Conversion Lens	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)
Camera Unit -> Color Separation	Wide end: 100 mm (0.33 ft) 1MOS
Optical System	TWO
•	n 3 lx (F1.8, 59.94p, 50IRE, 42 dB, without accumulation)
Camera Unit -> Horizontal Resolution > 4K	
្ធ ។ ។ Camera Unit -> Horizontal Resolution	-1 000 Typ (Contar area)
> 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 *3	Auto, 0 dB, 6 dB, 12 dB, 18 dB, 24 dB *2
Camera Unit -> Electronic Shutter	1/60, 1/100, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/8000, 1/10000
Speed -> 59.94p/59.94i	,,,
Camera Unit -> Electronic Shutter	1/60, 1/100, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/8000, 1/10000
Speed -> 50p/50i	
Camera Unit -> Electronic Shutter	1/30, 1/60, 1/100, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/8000, 1/10000
Speed -> 29.97p	
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	1/24, 1/48, 1/60, 1/100, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/8000, 1/10000
Speed -> 23.98p/24p	60.0 Hz to 7200 Hz
Camera Unit -> Synchro Scan ->	60.0 Hz to 7200 Hz
59.94p/59.94i Camera Unit -> Synchro Scan ->	50.0 Hz to 7200 Hz
50p/50i	50.0 112 (0 / 200 112
Camera Unit -> Synchro Scan ->	30.0 Hz to 7200 Hz
29.97p	
Camera Unit -> Synchro Scan -> 25 p	25.0 Hz to 7200 Hz
Camera Unit -> Synchro Scan ->	24.0 Hz to 7200 Hz
23.98p/24p	
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 %

)2160/29.97p (Native), 2160/25p (Native), 2160/24p (Just), 2160/23.98p (Native)
Camera Unit -> 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
Image Stabilization	MENU switching: Select between Off/O.I.S.
Input Connector -> DC IN	DC 12 V IN
Output Connector -> HDMI	HDMI 1.4 connector
	4:2:2/10bit
	HDCP is not supported.
	Viera Link is not supported.
Input/Output Connector -> LAN	LAN terminal for IP control (RJ-45) 100BASE-TX/1000BASE-T
input/Output Connector -> RS-422	CONTROL IN RS422A (RJ-45)
input/Output Connector -> USB	USB2.0 DEVICE, Type C connector, no USB bus-powered function.
	Only compatible with UVC (USB Video Class) * UVC 1.0, UAC 1.0
input/Output Connector -> MIC/LINE	AAC compatibility (compatible with IP only)
Input	Ф3.5 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 k Ω (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)
	• Imput volume variable range36 db to 12 db (5 db Step) • Embedded audio output level: -12 dBFS
	Sampling frequency: 48 kHz
One tilt Hond Hait . Yo	
Pan-tilt Head Unit -> IP connecting	• If you have a PoE+ ethernet hub
cable	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)
Pan-tilt Head Unit -> AW protocol connecting cable	•LAN cable *3 (category 5e or above, straight cable) Max 1000 m (3280 ft)
Pan-tilt Head Unit -> Installation Method	Stand-alone (Desktop) or suspended (Hanging) *4
Pan-tilt Head Unit -> Speed range	Speed range: 0.08°/s to 60°/s (Normal mode) *5
Pan-tilt Head Unit -> Pan/tilt Operation	· · · · ·
•	·
Speed	Normal: 60°/s, Fast1: 90°/s, Fast2: 180°/s
Pan-tilt Head Unit -> Panning Range	±175°
Pan-tilt Head Unit -> Tilting range	-30°to 90° *6
Pan-tilt Head Unit -> Quietness	NC25 or less
Supported Operating Systems and	Windows 10
Web Browsers -> Windows *11	Windows® Internet Explorer® 11 (32 bit / 64 bit) Microsoft Edge
	Google Chrome
Supported Operating Systems and	Mac OS v11.0.1 / Safari 14.01
Web Browsers -> Mac *11	Mac OS v11.0.1 / Google Chrome
	Mac OS v10.15 / Google Chrome
	Mac OS v10.14 / Google Chrome
Supported Operating Systems and	iOS
Web Browsers -> iPhone/iPad *11	Safari
Supported Operating Systems and	iPadOS Android OS
Supported Operating Systems and Web Browsers -> Android *9	
	Google Chrome
P Streaming -> Image Streaming	JPEG (MJPEG), H.264, H.265, NDI® HX *8,9 (H.264)
Mode	4030,4000 4300,730 640 360 320 400
P Streaming -> Image Resolution	1920x1080, 1280x720, 640x360, 320x180
P Streaming -> Image Transmission	·
Setting (JPEG)	Image quality (Fine / Normal)
	Unicast port (AUTO)
	·
	Unicast port (MANUAL) Multicast port
Setting (H.264) -> Transmission Type	Multicast port
Setting (H.264) -> Transmission Type P Streaming -> Image Transmission	Multicast port Constant bit rate Frame rate
Setting (H.264) -> Transmission Type P Streaming -> Image Transmission Setting (H.264) -> Transmission mode P Streaming -> Image Transmission	Multicast port Constant bit rate Frame rate Best effort [60 Hz] 5fps / 15fps / 30fps / 60fps
Setting (H.264) -> Transmission Type IP Streaming -> Image Transmission Setting (H.264) -> Transmission mode IP Streaming -> Image Transmission Setting (H.264) -> Frame Rate	Multicast port Constant bit rate Frame rate Best effort [60 Hz] 5fps / 15fps / 30fps / 60fps [50 Hz] 5fps / 12.5fps / 25fps / 50fps
Setting (H.264) -> Transmission Type IP Streaming -> Image Transmission Setting (H.264) -> Transmission mode IP Streaming -> Image Transmission Setting (H.264) -> Frame Rate	Multicast port Constant bit rate Frame rate Best effort [60 Hz] 5fps / 15fps / 30fps / 60fps
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Setting (H.264) -> Transmission Type (P Streaming -> Image Transmission Setting (H.264) -> Transmission mode (P Streaming -> Image Transmission Setting (H.264) -> Frame Rate (P Streaming -> Image Transmission Setting (H.264) -> Max Bit Rate	Multicast port Constant bit rate Frame rate Best effort [60 Hz] 5fps / 15fps / 30fps / 60fps [50 Hz] 5fps / 12.5fps / 25fps / 50fps 512kbps / 768kbps / 1024kbps / 1536kbps / 2048kbps / 3072kbps / 4096kbps / 6144kbps / 8192kbps / 10240kbps / 12288kbps / 14336kbps / 16384kbps / 20480kbps / 24576kbps
Setting (H.264) -> Transmission Type IP Streaming -> Image Transmission Setting (H.264) -> Transmission mode IP Streaming -> Image Transmission Setting (H.264) -> Frame Rate IP Streaming -> Image Transmission Setting (H.264) -> Max Bit Rate IP Streaming -> Image Transmission Setting (H.264) -> Max Bit Rate	Multicast port Constant bit rate Frame rate Best effort [60 Hz] 5fps / 15fps / 30fps / 60fps [50 Hz] 5fps / 12.5fps / 25fps / 50fps 512kbps / 768kbps / 1024kbps / 1536kbps / 2048kbps / 3072kbps / 4096kbps / 6144kbps / 8192kbps / 10240kbps / 12288kbps / 14336kbps / 16384kbps / 20480kbps 24576kbps Unicastport (AUTO)
Setting (H.264) -> Transmission Type IP Streaming -> Image Transmission Setting (H.264) -> Transmission mode IP Streaming -> Image Transmission Setting (H.264) -> Frame Rate IP Streaming -> Image Transmission Setting (H.264) -> Max Bit Rate IP Streaming -> Image Transmission Setting (H.264) -> Max Bit Rate	Multicast port Constant bit rate Frame rate Best effort [60 Hz] 5fps / 15fps / 30fps / 60fps [50 Hz] 5fps / 12.5fps / 25fps / 50fps 512kbps / 768kbps / 1024kbps / 1536kbps / 2048kbps /3072kbps / 4096kbps / 6144kbps / 8192kbps / 10240kbps / 12288kbps / 14336kbps / 16384kbps / 20480kbps 24576kbps Unicastport (AUTO) Unicastport (MANUAL)
Setting (H.264) -> Transmission Type IP Streaming -> Image Transmission Setting (H.264) -> Transmission mode IP Streaming -> Image Transmission Setting (H.264) -> Frame Rate IP Streaming -> Image Transmission Setting (H.264) -> Max Bit Rate IP Streaming -> Image Transmission Setting (H.265) -> Transmission Type	Multicast port Constant bit rate Frame rate Best effort [60 Hz] 5fps / 15fps / 30fps / 60fps [50 Hz] 5fps / 12.5fps / 25fps / 50fps 512kbps / 768kbps / 1024kbps / 1536kbps / 2048kbps /3072kbps / 4096kbps / 6144kbps / 8192kbps / 10240kbps / 12288kbps / 14336kbps / 16384kbps / 20480kbps 24576kbps Unicastport (AUTO) Unicastport (MANUAL) Multicastport
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Setting (H.264) -> Transmission Type IP Streaming -> Image Transmission Setting (H.264) -> Transmission mode IP Streaming -> Image Transmission Setting (H.264) -> Frame Rate IP Streaming -> Image Transmission Setting (H.264) -> Max Bit Rate IP Streaming -> Image Transmission Setting (H.265) -> Transmission Type IP Streaming -> Image Transmission Setting (H.265) -> Frame Rate IP Streaming -> Image Transmission Setting (H.265) -> Frame Rate IP Streaming -> Image Transmission	Multicast port Constant bit rate Frame rate Best effort [60 Hz] 5fps / 15fps / 30fps / 60fps [50 Hz] 5fps / 12.5fps / 25fps / 50fps 512kbps / 768kbps / 1024kbps / 1536kbps / 2048kbps / 3072kbps / 4096kbps / 6144kbps / 8192kbps / 10240kbps / 12288kbps / 14336kbps / 16384kbps / 20480kbps 24576kbps Unicastport (AUTO) Unicastport (MANUAL) Multicastport [60 Hz] 5fps / 15fps / 30fps / 60fps [50 Hz] 5fps / 12.5fps / 25fps / 50fps 512kbps / 768kbps / 10240kbps / 1536kbps / 2048kbps / 3072kbps / 4096kbps / 6144kbps / 8192kbps / 10240kbps / 12288kbps / 14336kbps / 16384kbps / 20480kbps

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