Panasonic CONNECT



4K 50/60p PTZ Camera supporting Full-Bandwidth NDI®*1, SRT and FreeD protocols

AW-UE80

The AW-UE80W/K is a PTZ camera suitable for capturing the natural facial expressions of actors/performers and for recording events without spoiling the ambiance. The dome-shaped design minimizes "the feeling of being recorded on video" while the new direct-drive motor produces a very quiet operating sound so it won't disturb the production activities or spoil the ambiance. The camera offers high-image-quality 4K/60p resolution, wide 74.1° angle, and optical zoom with up to 24x magnification to achieve superb video image quality. The AW-UE80W/K also offers excellent stability and security during video streaming so it can be used for any type of video production. From the production of a reality show to the recording of an internal business or educational event, the top-of-the-line standard model,

Key Features

Supports a wide variety of IP transmission protocols, including NDI®*1 High Bandwidth, NDI®*1 HX, and SRT*2

Supports 4K 50p/60p shooting

Includes a wide-angle lens with a 74.1° field of view and 24x optical zoom

Supports FreeD for building AR/VR systems

New Direct Drive System for improved responsiveness and quietness





Panasonic CONNECT





General -> Power Requirements

General -> PoE



12 V DC (10.8 V to 13.2 V) (Supplied AC adapter) PoE++ \star1

IEEE802.3bt compliant: DC42 to 57 V



AW-UE80

https://eu.connect.panasonic.com/sk /en/broadcast-proav/remote-ptzcamera-systems/aw-ue80

	(Software authentication (LLDP) is supported)
General -> Current Consumption	3.0 A (Supplied AC adaptor), 1.0 A (PoE++ power supply)
•	
General -> Ambient Operating emperature	0 ℃ to 40 ℃ (32 ℉ to 104 ℉)
General -> Ambient Operating	20 % to 90 % (no condensation)
lumidity	
ieneral -> Storage Temperature	–20 °C to 50 °C (–4 °F to 122 °F)
Seneral -> Weight	Approx. 2.0 kg (4.41 lbs) (excluding ceiling mounting bracket),
	Approx. 2.25 kg (4.96 lbs) (including ceiling mounting bracket)
General -> Dimensions	W 170.0 mm x H 211.0 mm x D 171.0 mm
	(6.693 inches x 8.307 inches x 6.732 inches)
	(Excluding protrusions, cable cover, ceiling mounting bracket)
ieneral -> Finish	AW-UE80W: White
	AW-UE80K: Black
ieneral -> Controller Supported ^{*2 *3}	
amera Unit -> Imaging Sensor	1/2.5-type 4K MOS x 1
amera Unit -> Effective Pixels	Approx. 8,490,000 pixels
amera Unit -> Zoom	Optical zoom: 24x
	• i.Zoom UHD 28x, FHD 36x
	• Digital extender zoom: 1.4x, 2x
amera 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
amera 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)
	Vertical angle of view: 46.0° (wide) to 1.9° (tele) Diagonal angle of view: 81.8° (wide) to 3.8° (tele)
ilter	Diagonal angle of view: 81.8° (wide) to 3.8° (tele) Through, 1/4, 1/16, 1/64, IR through (IR through is used as "night mode")
ilter	Diagonal angle of view: 81.8° (wide) to 3.8° (tele) Through, 1/4, 1/16, 1/64, IR through
ilter amera Unit -> Focus	Diagonal angle of view: 81.8° (wide) to 3.8° (tele) Through, 1/4, 1/16, 1/64, IR through (IR through is used as "night mode")
ilter amera Unit -> Focus	Diagonal angle of view: 81.8° (wide) to 3.8° (tele) Through, 1/4, 1/16, 1/64, IR through (IR through is used as "night mode") Switching between auto and manual
Camera Unit -> Optical Filter -> ND Filter Camera Unit -> Focus Camera Unit -> Focus Distance Camera Unit -> Color Separation Dotical System	Diagonal angle of view: 81.8° (wide) to 3.8° (tele) Through, 1/4, 1/16, 1/64, IR through (IR through is used as "night mode") Switching between auto and manual Entire zooming range: 1200 mm (3.9 ft)
ilter Camera Unit -> Focus Camera Unit -> Focus Distance Camera Unit -> Color Separation Optical System	Diagonal angle of view: 81.8° (wide) to 3.8° (tele) Through, 1/4, 1/16, 1/64, IR through (IR through is used as "night mode") Switching between auto and manual Entire zooming range: 1200 mm (3.9 ft) Wide end: 100 mm (0.33 ft) 1MOS
ilter Camera Unit -> Focus Camera Unit -> Focus Distance Camera Unit -> Color Separation Optical System Camera Unit -> Minimum Illumination	Diagonal angle of view: 81.8° (wide) to 3.8° (tele) Through, 1/4, 1/16, 1/64, IR through (IR through is used as "night mode") Switching between auto and manual Entire zooming range: 1200 mm (3.9 ft) Wide end: 100 mm (0.33 ft)

	n -1,000 TV Typ (Center area, FHD mode, wide)
> HD	*1
Camera Unit -> Gain Selection	Auto, 0 dB to 36 dB ^{*2} (Super Gain function equipped : 37 dB to 42 dB)
Camera Unit -> Frame Mix	Auto, 0 dB, 6 dB, 12 dB, 18 dB, 24 dB ^{*3}
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, 1/1000
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, 1/1000
Camera Unit -> Synchro Scan -> 59.94p/59.94i	60.00 Hz to 7200 Hz
Camera Unit -> Synchro Scan -> 50p/50i	50.00 Hz to 7200 Hz
Camera Unit -> Synchro Scan -> 29.97p	30.00 Hz to 7200 Hz
Camera Unit -> Synchro Scan -> 25p	25.00 Hz to 7200 Hz
Camera Unit -> Synchro Scan -> 23.98p/24p	24.00 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)
Variability	VAR (selectable between 2000 K and 15000 K by designating a value) OFF, –99 % to 99 % ->1080/59.94p, 50p, 1080/59.94i, 50i, 1080/29.97p (Native), 25p (Native),
Camera Unit -> Chroma Amount Variability Camera Unit -> Output Format (SDI) HD	OFF, -99 % to 99 %
Variability Camera Unit -> Output Format (SDI) ·	OFF, –99 % to 99 % ->1080/59.94p, 50p, 1080/59.94i, 50i, 1080/29.97p (Native), 25p (Native), 23.98p (over59.94i), 1080/29.97psF, 25psF, 23.98psF, 1080/24p (Just),
Variability Camera Unit -> Output Format (SDI) HD	OFF, –99 % to 99 % ->1080/59.94p, 50p, 1080/59.94i, 50i, 1080/29.97p (Native), 25p (Native), 23.98p (over59.94i), 1080/29.97psF, 25psF, 23.98psF, 1080/24p (Just), 23.98p (Native), 720/59.94p, 50p
Variability Camera Unit -> Output Format (SDI) HD	OFF, –99 % to 99 % ->1080/59.94p, 50p, 1080/59.94i, 50i, 1080/29.97p (Native), 25p (Native), 23.98p (over59.94i), 1080/29.97psF, 25psF, 23.98psF, 1080/24p (Just),
Variability Camera Unit -> Output Format (SDI) HD Camera Unit -> Output Format (HDM -> 4K Camera Unit -> Output Format (HDM	OFF, -99 % to 99 % ->1080/59.94p, 50p, 1080/59.94i, 50i, 1080/29.97p (Native), 25p (Native), 23.98p (over59.94i), 1080/29.97psF, 25psF, 23.98psF, 1080/24p (Just), 23.98p (Native), 720/59.94p, 50p IJ)2160/59.94p, 2160/50p, 2160/29.97p (Native), 2160/25p (Native), 2160/24p (Native),
Variability Camera Unit -> Output Format (SDI) HD Camera Unit -> Output Format (HDM -> 4K Camera Unit -> Output Format (HDM	OFF, -99 % to 99 % ->1080/59.94p, 50p, 1080/59.94i, 50i, 1080/29.97p (Native), 25p (Native), 23.98p (over59.94i), 1080/29.97psF, 25psF, 23.98psF, 1080/24p (Just), 23.98p (Native), 720/59.94p, 50p IJ)2160/59.94p, 2160/50p, 2160/29.97p (Native), 2160/25p (Native), 2160/24p (Native), 2160/23.98p (Native)
Variability Camera Unit -> Output Format (SDI) HD Camera Unit -> Output Format (HDM -> 4K Camera Unit -> Output Format (HDM -> HD	OFF, -99 % to 99 % >>1080/59.94p, 50p, 1080/59.94i, 50i, 1080/29.97p (Native), 25p (Native), 23.98p (over59.94i), 1080/29.97psF, 25psF, 23.98psF, 1080/24p (Just), 23.98p (Native), 720/59.94p, 50p IJ2160/59.94p, 2160/50p, 2160/29.97p (Native), 2160/25p (Native), 2160/24p (Native), 2160/23.98p (Native) IJ1080/59.94p, 50p, 1080/59.94i, 50i, 1080/29.97p (Native), 25p (Native),
Variability Camera Unit -> Output Format (SDI) HD Camera Unit -> Output Format (HDM -> 4K Camera Unit -> Output Format (HDM -> HD Synchronization System	OFF, -99 % to 99 % >1080/59.94p, 50p, 1080/59.94i, 50i, 1080/29.97p (Native), 25p (Native), 23.98p (over59.94i), 1080/29.97psF, 25psF, 23.98psF, 1080/24p (Just), 23.98p (Native), 720/59.94p, 50p IJ)2160/59.94p, 2160/50p, 2160/29.97p (Native), 2160/25p (Native), 2160/24p (Native), 2160/23.98p (Native) IJ)1080/59.94p, 50p, 1080/59.94i, 50i, 1080/29.97p (Native), 25p (Native), 23.98p (over59.94p), 1080/24p (Just), 23.98p (Native), 720/59.94p, 50p
Variability Camera Unit -> Output Format (SDI) HD Camera Unit -> Output Format (HDM -> 4K Camera Unit -> Output Format (HDM -> HD Synchronization System Input Connector -> DC IN	OFF, -99 % to 99 % >>1080/59.94p, 50p, 1080/59.94i, 50i, 1080/29.97p (Native), 25p (Native), 23.98p (over59.94i), 1080/29.97psF, 25psF, 23.98psF, 1080/24p (Just), 23.98p (Native), 720/59.94p, 50p IJ)2160/59.94p, 2160/50p, 2160/29.97p (Native), 2160/25p (Native), 2160/24p (Native), 2160/23.98p (Native) IJ)1080/59.94p, 50p, 1080/59.94i, 50i, 1080/29.97p (Native), 25p (Native), 23.98p (over59.94p), 1080/59.94i, 50i, 1080/29.97p (Native), 25p (Native), 23.98p (over59.94p), 1080/24p (Just), 23.98p (Native), 720/59.94p, 50p Internal/External synchronization (BBS/Tri-level sync)
Variability Camera Unit -> Output Format (SDI) HD -> 4K Camera Unit -> Output Format (HDM -> HD Synchronization System Input Connector -> DC IN Input Connector -> G/L IN	OFF, -99 % to 99 % >>1080/59.94p, 50p, 1080/59.94i, 50i, 1080/29.97p (Native), 25p (Native), 23.98p (over59.94i), 1080/29.97psF, 25psF, 23.98psF, 1080/24p (Just), 23.98p (Native), 720/59.94p, 50p IJ)2160/59.94p, 2160/50p, 2160/29.97p (Native), 2160/25p (Native), 2160/24p (Native), 2160/23.98p (Native) IJ)1080/59.94p, 50p, 1080/59.94i, 50i, 1080/29.97p (Native), 25p (Native), 23.98p (over59.94p), 1080/59.94i, 50i, 1080/29.97p (Native), 25p (Native), 23.98p (over59.94p), 1080/24p (Just), 23.98p (Native), 720/59.94p, 50p Internal/External synchronization (BBS/Tri-level sync) DC 12 V IN
Variability Camera Unit -> Output Format (SDI) HD -> 4K Camera Unit -> Output Format (HDM -> HD Synchronization System Input Connector -> DC IN Input Connector -> G/L IN	OFF, -99 % to 99 % >>1080/59.94p, 50p, 1080/59.94i, 50i, 1080/29.97p (Native), 25p (Native), 23.98p (over59.94i), 1080/29.97psF, 25psF, 23.98psF, 1080/24p (Just), 23.98p (Native), 720/59.94p, 50p IJ)2160/59.94p, 2160/50p, 2160/29.97p (Native), 2160/25p (Native), 2160/24p (Native), 2160/23.98p (Native) IJ)1080/59.94p, 50p, 1080/59.94i, 50i, 1080/29.97p (Native), 25p (Native), 23.98p (over59.94p), 1080/59.94i, 50i, 1080/29.97p (Native), 25p (Native), 23.98p (over59.94p), 1080/24p (Just), 23.98p (Native), 720/59.94p, 50p Internal/External synchronization (BBS/Tri-level sync) DC 12 V IN BBS (Black Burst Sync), tri-level sync supported)
Variability Camera Unit -> Output Format (SDI) HD -> 4K Camera Unit -> Output Format (HDM -> HD Synchronization System Input Connector -> DC IN Input Connector -> G/L IN	 OFF, -99 % to 99 % >>1080/59.94p, 50p, 1080/59.94i, 50i, 1080/29.97p (Native), 25p (Native), 23.98p (over59.94i), 1080/29.97psF, 25psF, 23.98psF, 1080/24p (Just), 23.98p (Native), 720/59.94p, 50p II) 2160/59.94p, 2160/50p, 2160/29.97p (Native), 2160/25p (Native), 2160/24p (Native), 2160/23.98p (Native) II) 1080/59.94p, 50p, 1080/59.94i, 50i, 1080/29.97p (Native), 25p (Native), 23.98p (over59.94p), 1080/24p (Just), 23.98p (Native), 720/59.94p, 50p Internal/External synchronization (BBS/Tri-level sync) DC 12 V IN BBS (Black Burst Sync), tri-level sync supported) HDMI 2.0 connector
Variability Camera Unit -> Output Format (SDI) HD -> 4K Camera Unit -> Output Format (HDM -> HD Synchronization System Input Connector -> DC IN Input Connector -> G/L IN	OFF, -99 % to 99 % >>1080/59.94p, 50p, 1080/59.94i, 50i, 1080/29.97p (Native), 25p (Native), 23.98p (over59.94i), 1080/29.97psF, 25psF, 23.98psF, 1080/24p (Just), 23.98p (Native), 720/59.94p, 50p ID2160/59.94p, 2160/50p, 2160/29.97p (Native), 2160/25p (Native), 2160/24p (Native), 2160/23.98p (Native) ID1080/59.94p, 50p, 1080/59.94i, 50i, 1080/29.97p (Native), 25p (Native), 23.98p (over59.94p), 1080/24p (Just), 23.98p (Native), 720/59.94p, 50p Internal/External synchronization (BBS/Tri-level sync) DC 12 V IN BBS (Black Burst Sync), tri-level sync supported) HDMI 2.0 connector 4:2:2/10bit • HDCP is not supported.
Variability Camera Unit -> Output Format (SDI) HD -> 4K Camera Unit -> Output Format (HDM -> HD Synchronization System Input Connector -> DC IN Input Connector -> G/L IN Output Connector -> HDMI	OFF, -99 % to 99 % >> 1080/59.94p, 50p, 1080/59.94i, 50i, 1080/29.97p (Native), 25p (Native), 23.98p (over59.94i), 1080/29.97psF, 25psF, 23.98psF, 1080/24p (Just), 23.98p (Native), 720/59.94p, 50p II) 2160/59.94p, 2160/50p, 2160/29.97p (Native), 2160/25p (Native), 2160/24p (Native), 2160/23.98p (Native) II) 1080/59.94p, 50p, 1080/59.94i, 50i, 1080/29.97p (Native), 25p (Native), 23.98p (over59.94p), 1080/24p (Just), 23.98p (Native), 720/59.94p, 50p Internal/External synchronization (BBS/Tri-level sync) DC 12 V IN BBS (Black Burst Sync), tri-level sync supported) HDMI 2.0 connector 4:2:2/10bit
Variability Camera Unit -> Output Format (SDI) HD -> 4K Camera Unit -> Output Format (HDM -> HD Synchronization System Input Connector -> DC IN Input Connector -> G/L IN Output Connector -> HDMI	 OFF, -99 % to 99 % >>1080/59.94p, 50p, 1080/59.94i, 50i, 1080/29.97p (Native), 25p (Native), 23.98p (over59.94i), 1080/29.97psF, 25psF, 23.98psF, 1080/24p (Just), 23.98p (Native), 720/59.94p, 50p II)2160/59.94p, 2160/50p, 2160/29.97p (Native), 2160/25p (Native), 2160/24p (Native), 2160/23.98p (Native) II)1080/59.94p, 50p, 1080/59.94i, 50i, 1080/29.97p (Native), 25p (Native), 23.98p (over59.94p), 1080/24p (Just), 23.98p (Native), 720/59.94p, 50p Internal/External synchronization (BBS/Tri-level sync) DC 12 V IN BB5 (Black Burst Sync), tri-level sync supported) HDMI 2.0 connector 4:2:2/10bit HDCP is not supported. Viera Link is not supported.
Variability Camera Unit -> Output Format (SDI) HD Camera Unit -> Output Format (HDM -> 4K	OFF, -99 % to 99 % >>1080/59.94p, 50p, 1080/59.94i, 50i, 1080/29.97p (Native), 25p (Native), 23.98p (over59.94i), 1080/29.97psF, 25psF, 23.98psF, 1080/24p (Just), 23.98p (Native), 720/59.94p, 50p II)2160/59.94p, 2160/50p, 2160/29.97p (Native), 2160/25p (Native), 2160/24p (Native), 2160/23.98p (Native) II)1080/59.94p, 50p, 1080/59.94i, 50i, 1080/29.97p (Native), 25p (Native), 23.98p (over59.94p), 1080/24p (Just), 23.98p (Native), 720/59.94p, 50p Internal/External synchronization (BBS/Tri-level sync) DC 12 V IN BBS (Black Burst Sync), tri-level sync supported) HDMI 2.0 connector 4:2:2/10bit • HDCP is not supported. • Viera Link is not supported. SMPTE292M/424M/ 75 Ω(BNC×1)

Input/Output Connector -> MIC/LINE Input	AC 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 \pm 0.5 V (plug-in power compatible)
	"• Input impedance: Approx. 2 k $\!\Omega$ (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)
	Embedded audio output level: -12 dBFS
	• Sampling frequency: 48 kHz
Pan-tilt Head Unit -> IP connecting cable	 Quantization bit rate: 24 bit (SDI, HDMI), 16 bit (IP) If you have a PoE++ ethernet hub
	LAN cable *4 *5 (category 5e or above, straight cable) Max 100 m (328 ft)
	• If you don't have a PoE++ ethernet hub
Pan-tilt Head Unit -> AW protocol	LAN cable ^{*4 *5} (category 5e or above, straight cable) Max 100 m (328 ft) LAN cable ^{*4} (category 5e or above, straight cable) Max 1000 m (3280 ft)
connecting cable	
Pan-tilt Head Unit -> Installation Method	Stand-alone (Desktop) or suspended (Hanging) *6
Pan-tilt Head Unit -> Pan/tilt Operation Speed	n Speed range: 0.08%s to 60%s (Normal mode) ^{*7}
	• 3 speed modes installed
	Normal:60°/s, Fast1:90°/s, Fast2:180°/s
Pan-tilt Head Unit -> Panning Range	±175° -30°to 90° ^{*8}
Pan-tilt Head Unit -> Tilting range Pan-tilt Head Unit -> Quietness	-30°to 90° - NC25 or less
Supported Operating Systems and Web Browsers -> Windows	Windows 10
	Windows® Internet Explorer® 11(32 bit / 64 bit)
	Microsoft Edge
	Google Chrome
Supported Operating Systems and Web Browsers -> Mac	Mac OS v11.0.1 / Safari 14.01
	Mac OS v11.0.1 / Google Chrome
	Mac OS v10.15 / Google Chrome

Supported Operating Systems and Web Browsers -> iPhone/iPad	iOS
	Safari
	iPadOS
Supported Operating Systems and Web Browsers -> Android	Android OS
IP Streaming -> Image Streaming Mode	Google Chrome JPEG(MJPEG), H.264, H.265, NDI® HX version 2 ^{*10 *11 *12} (H.264), High Bandwidth NDI®
IP Streaming -> Image Resolution	1920×1080, 1280×720, 640×360, 320×180
IP Streaming -> Image Transmission Setting (JPEG)	Frame rate: Maximum 30fps
IP Streaming -> Image Transmission	Image quality (Fine / Normal)
Setting (H.264) -> Transmission Type	Unicast port (MANUAL)
TR Change in the second s	Multicast port
IP Streaming -> Image Transmission Setting (H.264) -> Transmission mode	
	Frame rate
	Best effort
IP Streaming -> Image Transmission Setting (H.264) -> Frame Rate	[60 Hz] 5fps / 15fps / 30fps / 60fps
	[50 Hz] 5fps / 12.5fps / 25fps / 50fps
IP Streaming -> Image Transmission Setting (H.264) -> Max Bit Rate	512kbps / 768kbps / 1024kbps / 1536kbps / 2048kbps / 3072kbps / 4096kbps / 6144kbps / 8192kbps / 10240kbps / 12288kbps / 14336kbps / 16384kbps / 20480kbps / 24576kbp
IP Streaming -> Image Transmission Setting (H.265) -> Transmission Type	Unicast port (AUTO)
	Unicast port (MANUAL)
	Multicast port
IP Streaming -> Image Transmission Setting (H.265) -> Frame Rate	[60 Hz] 30fps / 60fps
	[50 Hz] 25fps / 50fps
5 5	1024kbps / 1536kbps / 2048kbps / 3072kbps / 4096kbps / 6144kbps / 8192kbps / 10240kbps / 12288kbps / 14336kbps / 16384kbps / 20480kbps / 24576kbps
Setting (H.265) -> Max Bit Rate IP Streaming -> Audio Compression Format	AAC-LC, 48 kHz, 16 bit, 2 ch
IP Streaming -> Supported Protocol -> Network Protocol	ICMP, ARP, GARP, MLD
IP Streaming -> Supported Protocol -> Transmission Protocol	
IP Streaming -> Supported Protocol -> IPv6	HTTP, HTTPS, DNS, NTP, DHCPv6, MDNS, SNMP, 802.1X
IPv4	HTTP, HTTPS, DNS, NTP, DHCPv4, MDNS, SNMP, 802.1X
IP Streaming -> Supported Protocol -> Video Streaming Protocol	RTP/RTCP over RTSP, RTMP, RTMPS, SRT,
IP Streaming -> Supported Protocol -> External Device Cooperation Protocol	
NDI [®] Support -> NDI [®] Support	NDI® NDI® HX Ver.2: Included as standard *13
	High Bandwidth NDI®: Included as standard ^{*13}
NDI [®] Support -> Output Format	1080/59.94p, 1080/50p, 1080/29.97p, 1080/25p, 1080/24p, 1080/23.98p, 720/59.94p,
(NDI [®] High bandwidth) -> HD	720/50p
NDI [®] Support -> Image Resolution (NDI [®] HX)	1920x1080, 1280x720
NDI [®] Support -> Image Streaming Setting (NDI [®] High bandwidth) ->	TCP/UDP, Unicast/Multicast
Transmission Type NDI [®] Support -> Image Streaming Setting (NDI [®] High bandwidth) -> Maa	250 Mbps
Bit Rate NDI [®] Support -> Image Streaming	TCP/UDP, Unicast/Multicast
Setting (NDI [®] HX) -> Transmission Type	

NDI [®] Support -> Image Streaming Setting (NDI [®] HX) -> Flame rate	[60 Hz] 5fps/15fps/30fps/60fps
	[50 Hz] 5fps/12.5fps/25fps/50fps
NDI [®] Support -> Image Streaming Setting (NDI [®] HX) -> Max Bit Rate	512kbps / 768kbps / 1024kbps / 1536kbps / 2048kbps / 3072kbps / 4096kbps / 6144kbps / 8192kbps / 10240kbps / 12288kbps / 14336kbps / 16384kbps / 20480kbps / 24576kbps
NDI [®] Support -> Audio Compression Type (NDI [®] High bandwidth)	AAC, 48 kHz, 2 ch
NDI [®] Support -> Audio Compression Type (NDI [®] HX)	AAC-LC, 48 kHz, 16 bit, 2 ch
Other Function -> Tally LED Display Color	red / green
Other Function -> VR Support (IP/RS422)	Compatible with FreeD
Footnote Description	* NDI® is a registered trademark of Vizrt NDI AB in the United States and other countries.

1. In normal use within the ambient operating temperature range, the PoE+ switch will also work.

However, the camera may stop operating or the power supply may be stopped depending on the specifications of the PoE+ switch when the power load exceeds the PoE+ specified power when abnormalities such as pan/tilt is stopped due to external forces or when the ambient temperature has changed significantly. Operation with PoE+ switch is not guaranteed, so please check the operation in advance under the condition of use, and judge the use by yourself.

2. Can be set in 1 dB step increments.

- 3. 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.
- 4. STP (Shielded Twisted Pair) is recommended.

5. Use Category 6 or higher when transmitting 4K video.

- 6. To ensure safety, the unit must be secured using the mount bracket supplied.
- 7. Note that the operating noise may be loud in high speed. If the operating noise is disturbing, use the Normal mode.
- 8. The main unit may appear in the video depending on the pan/tilt position.
- 9. Supported OS indicated are for browsers current as of August 2020. See "Service and Support / PASS" for the latest information on browser support.
- 10. NDI® is a new protocol developed by NewTek, Inc. that supports IP video production workflow.
- 11. NDI® is a registered trademark of NewTek, Inc. in the United States and other countries.
- 12. In this instance, NDI® is used to indicate low latency with high bandwidth NDI®, NDI® |HX is used to indicate high efficiency low bandwidth NDI® |HX. In the NDI® |HX mode, 4K video signals cannot be output. AW-UE80 supports NDI® |HX version 2 and Full HD output.
- 13. Simultaneous operation with the AW protocol is not possible.
- 14. Non-synchronous with SDI-OUT