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











General -> Power Requirements	12 V DC (10.8 V to 13.2 V) (Supplied AC adapter)
General -> PoE	PoE++ *1
	IEEE802.3bt compliant: DC42 to 57 V
	(Software authentication (LLDP) is supported)
General -> Current Consumption	3.0 A (Supplied AC adaptor), 1.0 A (PoE++ power supply)
General -> Ambient Operating Temperature	0 °C to 40 °C (32 °F to 104 °F)
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. 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)
General -> Finish	AW-UE80W: White
	AW-OLOOW, WINCC
General -> Controller Supported	See the "Compatibility Chart for Operation Devices and Application Software" page
Camera Unit -> Imaging Sensor	1/2.5-type 4K MOS x 1
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);
	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	Through, 1/4, 1/16, 1/64, IR through
Filter	(IR through is used as "night mode")
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 Optical System	1MOS
Camera Unit -> Minimum Illuminatio	n 3 lx (F1.8, 59.94p, 50IRE, 42 dB, without accumulation)
Camera Unit -> Horizontal Resolution > 4K	-1,500 TV Typ (Center area, UHD mode, wide)
Camera Unit -> Horizontal Resolution > HD	-1,000 TV Typ (Center area, FHD mode, wide)
Camera Unit -> Gain Selection	Auto, 0 dB to 36 dB $^{ m *2}$ (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, 1/10000
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 ->	60.00 Hz to 7200 Hz
59.94p/59.94i Camera Unit -> Synchro Scan ->	50.00 Hz to 7200 Hz
50p/50i Camera Unit -> Synchro Scan ->	30.00 Hz to 7200 Hz
29.97p	25.00 Hz to 7000 Hz
Camera Unit -> Synchro Scan -> 25p Camera Unit -> Synchro Scan ->	25.00 Hz to 7200 Hz 24.00 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	OFF, –99 % to 99 %

AW-UE80

<u>https://latam.connect.panasonic.com</u> <u>/pa/es/productos/broadcast-y-</u> <u>proav/aw-ue80</u>

HD	>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
Camera Unit -> Output Format (HDMI -> 4K)2160/59.94p, 2160/50p, 2160/29.97p (Native), 2160/25p (Native), 2160/24p (Native), 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 (over59.94p), 1080/24p (Just), 23.98p (Native), 720/59.94p, 50p
Synchronization System	Internal/External synchronization (BBS/Tri-level sync)
	DC 12 V IN
Input Connector -> DC IN	
Input Connector -> G/L IN	BBS (Black Burst Sync), tri-level sync supported) HDMI 2.0 connector
Output Connector -> HDMI	4:2:2/10bit
	• HDCP is not supported.
	• Viera Link is not supported.
Output Connector -> 3G-SDI OUT	SMPTE292M/424M/ 75 Ω(BNC×1)
	• Level-A/Level-B 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)
	AC compatibility (compatible with IP only)
Input	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 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
	• Quantization bit rate: 24 bit (SDI, HDMI), 16 bit (IP)
Pan-tilt Head Unit -> IP connecting	• If you have a PoE++ ethernet hub
cable	LAN cable ^{*4 *5} (category 5e or above, straight cable) Max 100 m (328 ft)
	• If you don't have a PoE++ ethernet hub
	LAN cable *4 *5(category 5e or above, straight cable) Max 100 m (328 ft)
Pan-tilt Head Unit -> AW protocol	LAN cable ^{*4} (category 5e or above, straight cable) Max 1000 m (3280 ft)
connecting cable	
Pan-tilt Head Unit -> Installation	Stand-alone (Desktop) or suspended (Hanging) ^{*6}
Method	
•	n Speed range: 0.08°/s to 60°/s (Normal mode) ^{*7}
Speed	• 3 speed modes installed
	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° ^{*8}
Pan-tilt Head Unit -> Quietness	NC25 or less
Supported Operating Systems and	Windows 10
Web Browsers -> Windows ^{*7}	Windows® Internet Explorer® 11(32 bit / 64 bit)
	Microsoft Edge
	Google Chrome
	Mac OS v11.0.1 / Safari 14.01
Supported Operating Systems and	
	Mac OS v11.0.1 / Google Chrome
Supported Operating Systems and Web Browsers -> Mac ^{*7}	Mac OS v10.15 / Google Chrome
Web Browsers -> Mac ^{*7}	Mac OS v10.15 / Google Chrome Mac OS v10.14 / Google Chrome
Web Browsers -> Mac *7 Supported Operating Systems and	Mac OS v10.15 / Google Chrome Mac OS v10.14 / Google Chrome iOS
Web Browsers -> Mac ^{*7} Supported Operating Systems and	Mac OS v10.15 / Google Chrome Mac OS v10.14 / Google Chrome iOS Safari
Web Browsers -> Mac ^{*7} Supported Operating Systems and Web Browsers -> iPhone/iPad	Mac OS v10.15 / Google Chrome Mac OS v10.14 / Google Chrome iOS Safari iPadOS
Web Browsers -> Mac ^{*7} Supported Operating Systems and Web Browsers -> iPhone/iPad Supported Operating Systems and	Mac OS v10.15 / Google Chrome Mac OS v10.14 / Google Chrome iOS Safari iPadOS Android OS
Web Browsers -> Mac ^{*7} Supported Operating Systems and Web Browsers -> iPhone/iPad Supported Operating Systems and Web Browsers -> Android	Mac OS v10.15 / Google Chrome Mac OS v10.14 / Google Chrome iOS Safari iPadOS Android OS Google Chrome
Web Browsers -> Mac ^{*7} Supported Operating Systems and Web Browsers -> iPhone/iPad Supported Operating Systems and Web Browsers -> Android IP Streaming -> Image Streaming	Mac OS v10.15 / Google Chrome Mac OS v10.14 / Google Chrome iOS Safari iPadOS Android OS Google Chrome
Web Browsers -> Mac ^{*7} Supported Operating Systems and Web Browsers -> iPhone/iPad Supported Operating Systems and Web Browsers -> Android IP Streaming -> Image Streaming Mode	Mac OS v10.15 / Google Chrome Mac OS v10.14 / Google Chrome iOS Safari iPadOS Android OS Google Chrome JPEG(MJPEG), H.264, H.265, NDI® HX version 2 ^{*10 *11 *12} (H.264), High Bandwidth NDI®
Web Browsers -> Mac ^{*7} Supported Operating Systems and Web Browsers -> iPhone/iPad Supported Operating Systems and Web Browsers -> Android IP Streaming -> Image Streaming Mode IP Streaming -> Image Resolution	Mac OS v10.15 / Google Chrome Mac OS v10.14 / Google Chrome iOS Safari iPadOS Android OS Google Chrome JPEG(MJPEG), H.264, H.265, NDI® HX version 2 ^{*10 *11 *12} (H.264), High Bandwidth NDI 1920×1080, 1280×720, 640×360, 320×180
Web Browsers -> Mac ^{*7} Supported Operating Systems and Web Browsers -> iPhone/iPad Supported Operating Systems and Web Browsers -> Android IP Streaming -> Image Streaming Mode IP Streaming -> Image Resolution IP Streaming -> Image Transmission	Mac OS v10.15 / Google Chrome Mac OS v10.14 / Google Chrome iOS Safari iPadOS Android OS Google Chrome JPEG(MJPEG), H.264, H.265, NDI® HX version 2 ^{*10 *11 *12} (H.264), High Bandwidth NDI 1920×1080, 1280×720, 640×360, 320×180 Frame rate: Maximum 30fps
Web Browsers -> Mac ^{*7} Supported Operating Systems and Web Browsers -> iPhone/iPad Supported Operating Systems and Web Browsers -> Android IP Streaming -> Image Streaming Mode IP Streaming -> Image Resolution IP Streaming -> Image Transmission Setting (JPEG)	Mac OS v10.15 / Google Chrome Mac OS v10.14 / Google Chrome iOS Safari iPadOS Android OS Google Chrome JPEG(MJPEG), H.264, H.265, NDI® HX version 2 *10 *11 *12 (H.264), High Bandwidth NDI 1920×1080, 1280×720, 640×360, 320×180 Frame rate: Maximum 30fps Image quality (Fine / Normal)
Web Browsers -> Mac ^{*7} Supported Operating Systems and Web Browsers -> iPhone/iPad Supported Operating Systems and Web Browsers -> Android IP Streaming -> Image Streaming Mode IP Streaming -> Image Resolution IP Streaming -> Image Transmission Setting (JPEG) IP Streaming -> Image Transmission	Mac OS v10.15 / Google Chrome Mac OS v10.14 / Google Chrome iOS Safari iPadOS Android OS Google Chrome JPEG(MJPEG), H.264, H.265, NDI® HX version 2 ^{*10 *11 *12} (H.264), High Bandwidth NDI
Web Browsers -> Mac ^{*7} Supported Operating Systems and Web Browsers -> iPhone/iPad Supported Operating Systems and Web Browsers -> Android IP Streaming -> Image Streaming Mode IP Streaming -> Image Resolution IP Streaming -> Image Transmission Setting (JPEG) IP Streaming -> Image Transmission	Mac OS v10.15 / Google Chrome Mac OS v10.14 / Google Chrome iOS Safari iPadOS Android OS Google Chrome JPEG(MJPEG), H.264, H.265, NDI® HX version 2 ^{*10 *11 *12} (H.264), High Bandwidth NDI
Web Browsers -> Mac ^{*7} Supported Operating Systems and Web Browsers -> iPhone/iPad Supported Operating Systems and Web Browsers -> Android IP Streaming -> Image Streaming Mode IP Streaming -> Image Resolution IP Streaming -> Image Transmission Setting (JPEG) IP Streaming -> Image Transmission Setting (H.264) -> Transmission Type	Mac OS v10.15 / Google Chrome Mac OS v10.14 / Google Chrome iOS Safari iPadOS Android OS Google Chrome JPEG(MJPEG), H.264, H.265, NDI® HX version 2 *10 *11 *12 (H.264), High Bandwidth NDI
Web Browsers -> Mac *7 Supported Operating Systems and Web Browsers -> iPhone/iPad Supported Operating Systems and Web Browsers -> Android IP Streaming -> Image Streaming Mode IP Streaming -> Image Resolution IP Streaming -> Image Transmission Setting (JPEG) IP Streaming -> Image Transmission Type IP Streaming -> Image Transmission Type	Mac OS v10.15 / Google Chrome Mac OS v10.14 / Google Chrome iOS Safari iPadOS Android OS Google Chrome JPEG(MJPEG), H.264, H.265, NDI® HX version 2 *10 *11 *12 (H.264), High Bandwidth NDI JPEGV1080, 1280×720, 640×360, 320×180 Frame rate: Maximum 30fps Image quality (Fine / Normal) Unicast port (AUTO) Unicast port (MANUAL) Multicast port Constant bit rate
Web Browsers -> Mac *7 Supported Operating Systems and Web Browsers -> iPhone/iPad Supported Operating Systems and Web Browsers -> Android IP Streaming -> Image Streaming Mode IP Streaming -> Image Resolution IP Streaming -> Image Transmission Setting (JPEG) IP Streaming -> Image Transmission Type IP Streaming -> Image Transmission Type	Mac OS v10.15 / Google Chrome Mac OS v10.14 / Google Chrome iOS Safari iPadOS Android OS Google Chrome JPEG(MJPEG), H.264, H.265, NDI® HX version 2 *10 *11 *12 (H.264), High Bandwidth NDI 1920×1080, 1280×720, 640×360, 320×180 Frame rate: Maximum 30fps Image quality (Fine / Normal) Unicast port (AUTO) Unicast port (MANUAL) Multicast port Constant bit rate Frame rate
Web Browsers -> Mac ^{*7} Supported Operating Systems and Web Browsers -> iPhone/iPad Supported Operating Systems and Web Browsers -> Android IP Streaming -> Image Streaming Mode IP Streaming -> Image Resolution IP Streaming -> Image Transmission Setting (JPEG) IP Streaming -> Image Transmission Setting (H.264) -> Transmission Type IP Streaming -> Image Transmission Setting (H.264) -> Transmission mode	Mac OS v10.15 / Google Chrome Mac OS v10.14 / Google Chrome iOS Safari iPadOS Android OS Google Chrome JPEG(MJPEG), H.264, H.265, NDI® HX version 2 *10 *11 *12 (H.264), High Bandwidth NDI JP20×1080, 1280×720, 640×360, 320×180 Frame rate: Maximum 30fps Image quality (Fine / Normal) Unicast port (AUTO) Unicast port (MANUAL) Multicast port Constant bit rate Frame rate Best effort
Web Browsers -> Mac ^{*7} Supported Operating Systems and Web Browsers -> iPhone/iPad Supported Operating Systems and Web Browsers -> Android IP Streaming -> Image Streaming Mode IP Streaming -> Image Transmission Setting (JPEG) IP Streaming -> Image Transmission Setting (H.264) -> Transmission Type IP Streaming -> Image Transmission Setting (H.264) -> Transmission mode IP Streaming -> Image Transmission	Mac OS v10.15 / Google Chrome Mac OS v10.14 / Google Chrome iOS Safari iPadOS Android OS Google Chrome JPEG(MJPEG), H.264, H.265, NDI® HX version 2 *10 *11 *12 (H.264), High Bandwidth NDI 1920×1080, 1280×720, 640×360, 320×180 Frame rate: Maximum 30fps Image quality (Fine / Normal) Unicast port (AUTO) Unicast port (MANUAL) Multicast port Constant bit rate Frame rate Best effort [60 Hz] 5fps / 15fps / 30fps / 60fps
Web Browsers -> Mac *7 Supported Operating Systems and Web Browsers -> iPhone/iPad Supported Operating Systems and Web Browsers -> Android IP Streaming -> Image Streaming Mode IP Streaming -> Image Resolution IP Streaming -> Image Transmission Setting (JPEG) IP Streaming -> Image Transmission Setting (H.264) -> Transmission Type IP Streaming -> Image Transmission Setting (H.264) -> Transmission mode IP Streaming -> Image Transmission Setting (H.264) -> Transmission mode IP Streaming -> Image Transmission Setting (H.264) -> Frame Rate	Mac OS v10.15 / Google Chrome Mac OS v10.14 / Google Chrome iOS Safari iPadOS Android OS Google Chrome JPEG(MJPEG), H.264, H.265, NDI® HX version 2 ^{*10 *11 *12} (H.264), High Bandwidth NDI 1920×1080, 1280×720, 640×360, 320×180 Frame rate: Maximum 30fps Image quality (Fine / Normal) Unicast port (AUTO) Unicast port (MANUAL) Multicast port Constant bit rate Frame rate Best effort [60 Hz] 5fps / 15fps / 30fps / 60fps [50 Hz] 5fps / 12.5fps / 25fps / 50fps
Web Browsers -> Mac *7 Supported Operating Systems and Web Browsers -> iPhone/iPad Supported Operating Systems and Web Browsers -> Android IP Streaming -> Image Streaming Mode IP Streaming -> Image Resolution IP Streaming -> Image Transmission Setting (JPEG) IP Streaming -> Image Transmission Setting (H.264) -> Transmission Type IP Streaming -> Image Transmission Setting (H.264) -> Transmission mode IP Streaming -> Image Transmission Setting (H.264) -> Transmission mode IP Streaming -> Image Transmission Setting (H.264) -> Frame Rate IP Streaming -> Image Transmission	Mac OS v10.15 / Google Chrome Mac OS v10.14 / Google Chrome iOS Safari iPadOS Android OS Google Chrome JPEG(MJPEG), H.264, H.265, NDI® HX version 2 *10 *11 *12 (H.264), High Bandwidth NDI 920 × 1080, 1280 × 720, 640 × 360, 320 × 180 Frame rate: Maximum 30 fps Image quality (Fine / Normal) Unicast port (AUTO) Unicast port (MANUAL) Multicast port Constant bit rate Frame rate Best effort [60 H2] 5fps / 15fps / 30fps / 60fps [50 H2] 5fps / 125fps / 25fps / 50fps 512kbps / 768kbps / 1024kbbps / 12288kbps / 14336kbps / 16384kbps / 20480kbps
Web Browsers -> Mac *7 Supported Operating Systems and Web Browsers -> iPhone/iPad Supported Operating Systems and Web Browsers -> Android IP Streaming -> Image Streaming Mode IP Streaming -> Image Resolution IP Streaming -> Image Transmission Setting (H264) -> 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) -> Frame Rate IP Streaming -> Image Transmission Setting (H.264) -> Frame Rate	Mac OS v10.15 / Google Chrome Mac OS v10.14 / Google Chrome iOS Safari iPadOS Android OS Google Chrome JPEG(MJPEG), H.264, H.265, NDI® HX version 2 ^{*10 *11 *12} (H.264), High Bandwidth NDI Page (MJPEG), H.264, H.265, NDI® HX version 2 ^{*10 *11 *12} (H.264), High Bandwidth NDI 1920×1080, 1280×720, 640×360, 320×180 Frame rate: Maximum 30fps Image quality (Fine / Normal) Unicast port (AUTO) Unicast port (MANUAL) Multicast port Constant bit rate Frame rate Best effort [60 Hz] 5fps / 15fps / 30fps / 60fps [51 2k]ps / 12.5fps / 25fps / 50fps 51 2kbps / 768kbps / 1024kbps / 12288kbps / 14336kbps / 16384kbps / 20480kbps 24576kbp
Web Browsers -> Mac *7 Supported Operating Systems and Web Browsers -> iPhone/iPad Supported Operating Systems and Web Browsers -> Android IP Streaming -> Image Streaming Mode IP Streaming -> Image Resolution IP Streaming -> Image Transmission Setting (H.264) -> Transmission Type IP Streaming -> Image Transmission Setting (H.264) -> Transmission mode 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	Mac OS v10.15 / Google Chrome Mac OS v10.14 / Google Chrome iOS Safari iPadOS Android OS Google Chrome JPEG(MJPEG), H.264, H.265, NDI® HX version 2 ^{*10 *11 *12} (H.264), High Bandwidth NDI PEG(MJPEG), H.264, H.265, NDI® HX version 2 ^{*10 *11 *12} (H.264), High Bandwidth NDI 1920×1080, 1280×720, 640×360, 320×180 Frame rate: Maximum 30fps Image quality (Fine / Normal) Unicast port (AUTO) Unicast port (MANUAL) Multicast port Constant bit rate Frame rate Best effort [60 Hz] 5fps / 15fps / 30fps / 60fps [50 Hz] 5fps / 15fps / 30fps / 60fps [51 2kbps / 768kbps / 1024kbps / 12288kbps / 14336kbps / 16384kbps / 20480kbps 24576kbp Unicast port (AUTO)
Web Browsers -> Mac *7 Supported Operating Systems and Web Browsers -> iPhone/iPad Supported Operating Systems and Web Browsers -> Android IP Streaming -> Image Streaming Mode IP Streaming -> Image Resolution IP Streaming -> Image Transmission Setting (H.264) -> Transmission Type IP Streaming -> Image Transmission Setting (H.264) -> Transmission mode 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	Mac OS v10.15 / Google Chrome Mac OS v10.14 / Google Chrome iOS Safari iPadOS Android OS Google Chrome JPEG(MJPEG), H.264, H.265, NDI® HX version 2 ^{*10 *11 *12} (H.264), High Bandwidth NDI
Web Browsers -> Mac *7 Supported Operating Systems and Web Browsers -> iPhone/iPad Supported Operating Systems and Web Browsers -> Android IP Streaming -> Image Streaming Mode IP Streaming -> Image Resolution IP Streaming -> Image Transmission Setting (H.264) -> Transmission Type IP Streaming -> Image Transmission Setting (H.264) -> Transmission mode 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) -> Frame Rate IP Streaming -> Image Transmission Setting (H.264) -> Max Bit Rate IP Streaming -> Image Transmission Setting (H.265) -> Transmission Type	Mac OS v10.15 / Google Chrome Mac OS v10.14 / Google Chrome iOS Safari iPadOS Android OS Google Chrome JPEG(MJPEG), H.264, H.265, NDI® HX version 2 ^{*10 *11 *12} (H.264), High Bandwidth NDI
Web Browsers -> Mac *7 Supported Operating Systems and Web Browsers -> iPhone/iPad Supported Operating Systems and Web Browsers -> Android IP Streaming -> Image Streaming Mode IP Streaming -> Image Resolution IP Streaming -> Image Transmission Setting (H.264) -> Transmission Type IP Streaming -> Image Transmission Setting (H.264) -> Transmission mode 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) -> 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) -> Transmission Type	Mac OS v10.15 / Google Chrome Mac OS v10.14 / Google Chrome iOS Safari iPadOS Android OS Google Chrome JPEG(MJPEG), H.264, H.265, NDI® HX version 2 *10 *11 *12 (H.264), High Bandwidth NDI
Web Browsers -> Mac *7 Supported Operating Systems and Web Browsers -> iPhone/iPad Supported Operating Systems and Web Browsers -> Android IP Streaming -> Image Streaming Mode IP Streaming -> Image Resolution IP Streaming -> Image Transmission Setting (JPEG) IP Streaming -> Image Transmission 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) -> 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) -> Transmission Type IP Streaming -> Image Transmission Setting (H.265) -> Transmission Type	Mac OS v10.15 / Google Chrome Mac OS v10.14 / Google Chrome iOS Safari iPadOS Android OS Google Chrome JPEG(MJPEG), H.264, H.265, NDI® HX version 2 *10 *11 *12 (H.264), High Bandwidth NDI
Web Browsers -> Mac *7 Supported Operating Systems and Web Browsers -> iPhone/iPad Supported Operating Systems and Web Browsers -> Android IP Streaming -> Image Streaming Mode IP Streaming -> Image Resolution IP Streaming -> Image Transmission Setting (JPEG) IP Streaming -> Image Transmission 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) -> Frame Rate IP Streaming -> Image Transmission Setting (H.265) -> Transmission Type IP Streaming -> Image Transmission Setting (H.265) -> Transmission Type IP Streaming -> Image Transmission Setting (H.265) -> Transmission Type IP Streaming -> Image Transmission Setting (H.265) -> Frame Rate IP Streaming -> Image Transmission	Mac OS v10.15 / Google Chrome Mac OS v10.14 / Google Chrome iOS Safari iPadOS Android OS Google Chrome JPEG(MJPEG), H.264, H.265, NDI® HX version 2 *10 *11 *12 (H.264), High Bandwidth NDIO 1920×1080, 1280×720, 640×360, 320×180 Frame rate: Maximum 30fps Image quality (Fine / Normal) Unicast port (AUTO) Unicast port (AUTO) Unicast port (MANUAL) Multicast port (60 Hz] 5fps / 15fps / 30fps / 60fps [50 Hz] 5fps / 12.5fps / 25fps / 50fps 512kbps / 768kbps / 1024kbps / 12288kbps / 14336kbps / 16384kbps / 20480kbps / 6144kbps / 8192kbps / 1024kbps / 12288kbps / 14336kbps / 16384kbps / 20480kbps / Unicast port (MANUAL) Multicast port [60 Hz] 30fps / 60fps [50 Hz] 5fps / 12.5fps / 2048kbps / 12288kbps / 14336kbps / 16384kbps / 20480kbps / 6144kbps / 8192kbps / 10240kbps / 12288kbps / 14336kbps / 16384kbps / 20480kbps / 6144kbps / 8192kbps / 1024kbps / 12288kbps / 14336kbps / 16384kbps / 20480kbps / 6144kbps / 8192kbps / 1024kbps / 12288kbps / 14336kbps / 16384kbps / 20480kbps / 6144kbps / 8192kbps / 1024kbps / 12288kbps / 14336kbps / 16384kbps / 20480kbps / 6144kbps / 8192kbps / 1024kbps / 12288kbps / 14336kbps / 16384kbps / 20480kbps / 6144kbps / 8192kbps / 1024kbps / 12288kbps / 14336kbps / 16384kbps / 20480kbps / 616 Hz] 30fps / 60fps [50 Hz] 25fps / 50fps [50 Hz] 25fps / 50fps
Web Browsers -> Mac *7 Supported Operating Systems and Web Browsers -> iPhone/iPad Supported Operating Systems and Web Browsers -> Android IP Streaming -> Image Streaming Mode IP Streaming -> Image Resolution IP Streaming -> Image Transmission Setting (JPEG) IP Streaming -> Image Transmission 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) -> 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) -> Transmission Type IP Streaming -> Image Transmission Setting (H.265) -> Transmission Type	Mac OS v10.15 / Google Chrome Mac OS v10.14 / Google Chrome iOS Safari iPadOS Android OS Google Chrome JPEG(MJPEG), H.264, H.265, NDI® HX version 2 *10 *11 *12 (H.264), High Bandwidth NDIG

IP Streaming -> Supported Protocol ->	ICMP, ARP, GARP, MLD
Network Protocol IP Streaming -> Supported Protocol ->	
Transmission Protocol	יוכריזר, סטריזר
IP Streaming -> Supported Protocol -> IPv6	HTTP, HTTPS, DNS, NTP, DHCPv6, MDNS, SNMP, 802.1X
IP Streaming -> Supported Protocol -> IPv4	HTTP, HTTPS, DNS, NTP, DHCPv4, MDNS, SNMP, 802.1X
IP Streaming -> Supported Protocol -> Video Streaming Protocol	RTP/RTCP over RTSP, RTMP, RTMPS, SRT, MPEG2-TS over UDP, NDI® HX version 2, High bandwidth NDI®
IP Streaming -> Supported Protocol ->	
External Device Cooperation Protoco	
NDI [®] Support -> NDI [®] Support	NDI® NDI® HX Ver.2: Included as standard ^{*13} High Bandwidth NDI®: Included as standard ^{*13}
NDI [®] Support -> Output Format (NDI [®] High bandwidth) -> HD	1080/59.94p, 1080/50p, 1080/29.97p, 1080/25p, 1080/24p, 1080/23.98p, 720/59.94p, 720/50p
NDI [®] Support -> Image Resolution (NDI [®] HX)	1920x1080, 1280x720
NDI [®] Support -> Image Streaming Setting (NDI [®] High bandwidth) ->	TCP/UDP, Unicast/Multicast
Transmission Type	050 M
NDI [®] Support -> Image Streaming Setting (NDI [®] High bandwidth) -> Ma Bit Rate	250 Mbps x
NDI [®] Support -> Image Streaming Setting (NDI [®] HX) -> Transmission Type	TCP/UDP, Unicast/Multicast
NDI [®] Support -> Image Streaming	[60 Hz] 5fps/15fps/30fps/60fps
Setting (NDI [®] HX) -> Flame rate	[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 24572kbps
NDI [®] Support -> Audio Compression	24576kbps AAC, 48 kHz, 2 ch
Type (NDI [®] High bandwidth) 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 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. 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, 1080/25.97p, 1080/23.98p (59.94i), 1080/29.97PsF, 1080/23.98PsF, 1080/25.9, 1080/25.97p. Sug Category 6 or higher when transmitting 4K video. 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 August 2020. See "Service and Support / PASS" for the latest information on browser support. NDI® is a new protocol developed by NewTek, Inc. that supports IP video production workflow. 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® F version 2 and Full HD output. 13. Simultaneous operation with the AW protocol is not possible. 14. Non-synchronous with SDI-OUT