



**Caméra PTZ 4K 50/60p prenant en charge les protocoles NDI à bande passante élevée, SRT et FreeD**

## AW-UE80

La caméra AW-UE80 dispose d'un boîtier compact et moderne pesant seulement 2,0 kg pour une manipulation et une installation très simples dans tout type d'environnement, notamment lorsqu'il faut positionner la caméra sur des structures ou au plafond.

### Key Features

Prise en charge d'une multitude de protocoles de transmission IP, y compris le NDI à bande passante élevée\*1, le NDI|HX et le SRT\*2

Prise en charge des prises de vue 4K 50p/60p

Objectif grand angle pour un champ de vision de 74,1° et zoom optique 24x

Prise en charge du protocole FreeD pour une utilisation au sein de systèmes AR/VR

Nouvelle technologie de motorisation directe pour davantage de réactivité en toute discrétion





## AW-UE80

<https://eu.connect.panasonic.com/be/fr/products/broadcast-proav/aw-ue80>

<b>General</b>	
<b>Power Requirements</b>	12 V DC (10.8 V to 13.2 V) (Supplied AC adaptor)
<b>PoE+</b>	IEEE802.3bt compliant: DC42 to 57 V (Camera Input)(Software authentication (LLDP) is supported)
<b>Current Consumption</b>	3.0 A (Supplied AC adaptor), 1.0 A (PoE++ power supply)
<b>Ambient Operating Temperature</b>	0 °C to 40 °C (32 °F to 104 °F)
<b>Ambient Operating Humidity</b>	20 % to 90 % (no condensation)
<b>Storage Temperature</b>	-20 to 50°C (-4 °F to 122 °F)
<b>Mass</b>	Approx. 2.0 kg (4.41 lbs) (excluding ceiling mounting bracket), Approx. 2.25 kg (4.96 lbs) (including ceiling mounting bracket)
<b>Dimensions (W x H x D) (mm)</b>	170.0 mm x 211.0 mm x 171.0 mm
<b>Dimensions (W x H x D) (inch)</b>	6.693 inches x 8.307 inches x 6.732 inches
<b>Finish</b>	AW-UE80W: White AW-UE80K: Black
<b>Controller Supported</b>	AW-RP150GJ, AW-RP60GJ, AW-RM50AG, AK-HRP1000*1, 2, AK-HRP1005*1, 2, AK-HRP1015*2, AK-HRP250*2
<b>Camera Unit</b>	
<b>Imaging Sensors</b>	1/2.5-type MOS×1
<b>Lens</b>	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)]
<b>Zoom</b>	• Optical zoom: 24x• i.Zoom UHD 28x, FHD 36x• Digital extender zoom: 1.4x, 2x
<b>Conversion Lens</b>	Not supported
<b>Angle of View Range</b>	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)
<b>Optical Filter</b>	Through, 1/4, 1/16, 1/64, IR through (IR through is used as "night mode")
<b>Focus</b>	Switching between auto and manual
<b>Focus Distance</b>	Entire zooming range: 1200 mm (3.9 ft) Wide end: 100 mm (0.33 ft)
<b>Color Separation Optical System</b>	1MOS
<b>Minimum Illumination</b>	3 lx (F1.8, 59.94p, 50IRE, 42 dB, without accumulation)
<b>Horizontal Resolution</b>	1,500 TV Typ (Center area, UHD mode, wide) 1,000 TV Typ (Center area, FHD mode, wide)
<b>Gain Selection</b>	Auto, 0 dB to 36 dB*3 (Super Gain function equipped : 37 dB to 42 dB)
<b>Frame Mix</b>	Auto, 0 dB, 6 dB, 12 dB, 18 dB, 24 dB*4
<b>Electronic Shutter Speed</b>	
<b>Electronic Shutter Speed   59.94p/59.94i</b>	1/60, 1/100, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/8000, 1/10000
<b>Electronic Shutter Speed   29.97p</b>	1/30, 1/60, 1/100, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/8000, 1/10000
<b>Electronic Shutter Speed   23.98p/24p</b>	1/24, 1/48, 1/60, 1/100, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/8000, 1/10000
<b>Electronic Shutter Speed   50p/50i</b>	1/60, 1/100, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/8000, 1/10000
<b>Electronic Shutter Speed   25p</b>	1/25, 1/50, 1/60, 1/100, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/8000, 1/10000
<b>Syncro Scan</b>	
<b>Syncro Scan   59.94p/59.94i</b>	60.0 Hz to 7200 Hz
<b>Syncro Scan   29.97p</b>	30.0 Hz to 7200 Hz
<b>Syncro Scan   23.98p/24p</b>	24.0 Hz to 7200 Hz
<b>Syncro Scan   50p/50i</b>	50.0 Hz to 7200 Hz
<b>Syncro Scan   25p</b>	25.0 Hz to 7200 Hz
<b>Gamma</b>	HD / Normal / Cinema1 / Cinema2 / Still Like
<b>White Balance</b>	• 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)
<b>Chroma Amount Variability</b>	OFF, -99 % to 99 %
<b>Scene File</b>	
<b>Synchronization System</b>	Internal/External synchronization (BBS/Tri-level sync)
<b>Input</b>	
<b>Input Connectors</b>	DC 12 V IN, G/L IN(BNC)BBS (Black Burst Sync), tri-level sync supported)
<b>Output</b>	
<b>Output Format</b>	
<b>Output Format   SDI   HD</b>	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
<b>Output Format   HDMI   4K</b>	2160/59.94p, 2160/50p, 2160/29.97p (Native), 2160/25p (Native), 2160/24p (Just), 2160/23.98p (Native)
<b>Output Format   HDMI   HD</b>	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
<b>Video Output</b>	
<b>Video Output   HDMI</b>	HDMI 2.0 connector, 4:2:2/10bit• HDCP is not supported. • Viera Link is not supported
<b>Video Output   3G-SDI OUT</b>	SMPTE292M/424M/ 75 Ω(BNC×1)• Level-A/Level-B supported
<b>Input/Output</b>	

<b>Input/Output Connector</b>	
<b>Input/Output Connector   LAN</b>	LAN terminal for IP control (RJ-45)
<b>Input/Output Connector   RS-422</b>	CONTROL IN RS422A(RJ-45)
<b>MIC/Line Input</b>	AAC compatibility (compatible with IP only)Φ3.5 mm stereo mini jack• During MIC inputInput 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 inputInput level: -10 dBVInput 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)
<b>Pan Tilt Head Unit</b>	
<b>Camera/Pan-Tilt Head Control</b>	
<b>IP Connecting Cable</b>	• If you have a PoE++ ethernet hubLAN cable*5, 6 (category 5e or above, straight cable) Max 100 m (328 ft) If you don't have a PoE++ ethernet hubLAN cable*5, 6 (category 5e or above, straight cable) Max 100 m (328 ft)
<b>AW Protocol Connecting Cable</b>	LAN cable*5 (category 5e or above, straight cable) Max 1000 m (3280 ft)
<b>Installation Method</b>	Stand-alone (Desktop) or suspended (Hanging)*7
<b>Pan/Tilt Operation Speed</b>	Speed range: 0.08°/s to 60°/s (Normal mode)*8 • 3 speed modes installedNormal:60°/s, Fast1:90°/s, Fast2:180°/s
<b>Panning Range</b>	±175°
<b>Tilting Range</b>	-30°to 90°*9
<b>Quietness</b>	NC25 or less
<b>Image Streaming Mode</b>	JPEG(MJPEG), H.264, H.265, NDI®  HX version 2*11, 12, 13 (H.264), High Bandwidth NDI®
<b>Supported operating systems and web browsers</b>	
<b>Windows</b>	Windows 10 Windows® Internet Explorer® 11(32 bit / 64 bit) Microsoft Edge Google Chrome
<b>Mac</b>	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
<b>iPhone / iPad</b>	iOS Safari iPadOS
<b>Android</b>	Android OS Google Chrome
<b>IP Streaming</b>	
<b>Image Resolution</b>	1920×1080, 1280×720, 640×360, 320×180
<b>Image Transmission setting (JPEG)</b>	Frame rate: Maximum 30fpsImage quality (Fine / Normal)
<b>Image Transmission Setting (H.264)</b>	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
<b>Image Transmission Setting (H.265)</b>	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
<b>Audio Compression Type</b>	AAC-LC, 48 kHz, 16 bit, 2 ch
<b>Supported Protocol</b>	
<b>Supported protocol   IPv6</b>	TCP/IP, UDP/IP, HTTP, HTTPS, DNS, NTP, DHCPv6, RTSP/RTP, MLD, ICMP, ARP, SRT
<b>Supported protocol   IPv4</b>	TCP/IP, UDP/IP, HTTP, HTTPS, RTSP/RTP, MPEG2-TS, DHCP, DNS, DDNS, NTP, IGMP, ICMP, ARP, RTMP, RTMPS, SRT
<b>NDI Support</b>	NDI®  HX version 2: Included as standardHigh Bandwidth NDI®: Included as standard*14
<b>Output Formats</b>	High Bandwidth NDI® : 【HD】 1080/59.94p, 1080/50p, 1080/29.97p, 1080/25p, 1080/24p, 1080/23.98p, 720/59.94p, 720/50p
<b>Image Resolution   NDI®  HX version 2</b>	1920×1080, 1280×720
<b>Image Transmission Setting (High Bandwidth NDI®)</b>	Transmission Type: TCP/UDP, Unicast/Multicast Max Bit Rate: 250 Mbps
<b>Image Transmission Setting (NDI®  HX version 2)</b>	Transmission Type: TCP/UDP, Unicast/Multicast
<b>Audio Compression Type   High Bandwidth NDI®</b>	AAC-LC, 48 kHz, 2 ch
<b>Audio Compression Type   NDI®  HX version 2</b>	AAC-LC, 48 kHz, 16 bit, 2 ch
<b>New Functions</b>	
<b>F-Number Display</b>	Displayed on the AW-RP150GJ and AW-RP60GJ sides
<b>Menu Display on IP Video</b>	Supported*15
<b>Power LED</b>	ON/OFF control
<b>Tripod Screw Penetration Measures</b>	Possible

<b>Pan/Tilt Mechanical Method</b>	New Direct Drive System
<b>Privacy Mode</b>	The lens surface faces backward when standing by (ON/OFF)* Default is OFF
<b>Image Stabilization</b>	OIS 2-axisMENU switching: Select between Off/O.I.S.(STABLE)/O.I.S.(PAN/TILT)
<b>Other Function</b>	
<b>Tally LED display color</b>	red / green
<b>VR Compatibility</b>	Supports Freed protocol
<b>Note</b>	<p>*1:Discontinued Model*2:Will be supported in the future*3:Can be set in 1 dB step increments.*4: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.*5:STP (Shielded Twisted Pair) is recommended.*6:Use Category 6 or higher when transmitting 4K video.*7:To ensure safety, the unit must be secured using the mount bracket supplied.*8:Note that the operating noise may be loud in high speed. If the operating noise is disturbing, use the Normal mode.*9:The main unit may appear in the video depending on the pan/tilt position.*10:Supported OS indicated are for browsers current as of August 2020. See "Service and Support / PASS" for the latest information on browser support.*11:NDI® is a new protocol developed by NewTek, Inc. that supports IP video production workflow.*12:NDI® is a registered trademark of NewTek, Inc. in the United States.*13: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.*14:Simultaneous operation with the AW protocol is not possible.*15:Non-synchronous with SDI-OUT</p>