



**"Nueva cámara PTZ de uso profesional: nuevo estándar para la expresividad del video y la versatilidad operativa"**

## **AW-UE150A**

La nueva cámara PTZ 4K de Panasonic (AW-UE150AW/AK) satisface las demandas de producción de vídeo avanzada al establecer un nuevo estándar en versatilidad y operatividad. Sobre la base de su predecesora, la ampliamente utilizada AW-UE150W/K lanzada en 2018, la AW-UE150AW/AK presenta nuevas capacidades para mejorar la calidad de vídeo y el funcionamiento flexible. Además de la sincronización mejorada de pan, tilt y zoom, es compatible con NDI® High Bandwidth para optimizar los flujos de trabajo de producción remota. \* NDI® es una tecnología de conectividad de video y está registrada como marca comercial por Vizrt NDI AB en los Estados Unidos y otros países.

### **Key Features**

Rendimiento excepcional para capturar momentos inmersivos

Flexible y adaptable a diversos entornos

Funciones avanzadas para ampliar las posibilidades creativas



## AW-UE150A

<https://latam.connect.panasonic.com/mx/es/productos/broadcast-y-proav/aw-ue150a>

<b>General -&gt;</b>	DC12 V(10.8 V to 24.0 V)
<b>Power Requirements</b>	
<b>General -&gt; PoE</b>	IEEE802.3 bt standard : DC42 V to 57 V (Software authentication (LLDP) is supported).
<b>General -&gt;</b>	4.0 A (XLR IN connector), 1.2 A (PoE++ power supply)
<b>Current Consumption</b>	
<b>General -&gt;</b>	0 °C to 40 °C (32 °F to 104 °F)
<b>Ambient Operating Temperature</b>	
<b>General -&gt;</b>	20 % to 90 % (no condensation)
<b>Ambient Operating Humidity</b>	
<b>General -&gt;</b>	-20 °C to 50 °C (-4 °F to 122 °F)
<b>Storage Temperature</b>	
<b>General -&gt;</b>	Approx. 4.3 kg (9.48 lbs) (excluding mount bracket)
<b>Weight</b>	
<b>General -&gt;</b>	213 mm x 267 mm x 219 mm (8-3/8 inches x 10-1/2 inches x 8-5/8 inches)
<b>Dimensions</b>	(excluding protrusions, cable cover,direct ceiling mount bracket)
<b>General -&gt; Finish</b>	AW-UE150AW: Pearl white AW-UE150AK: Black
<b>General -&gt;</b>	AW-RP150GJ, AW-RP60GJ, AK-HRP1010GJ*1, AK-HRP1015GJ*1, AK-HRP1000GJ*1, AK-HRP1005GJ*1, AK-HRP250GJ*1
<b>Controller Supported</b>	
<b>Camera Unit -&gt;</b>	1-type 4K MOSx1
<b>Imaging Sensor</b>	
<b>Camera Unit -&gt;</b>	Approx 20,180,000 pixel
<b>Effective Pixels</b>	
<b>Camera Unit -&gt;</b>	• Optical zoom: 20x
<b>Zoom</b>	• i.Zoom: UHD 24x, FHD 32x
<b>Camera Unit -&gt;</b>	Motorized Optical 20x zoom, F2.8 to F4.5
<b>Lens</b>	[f=8.8 mm (11/32 inches) to 176.0 mm (6-15/16 inches); 35 mm (1-3/8 inches) equivalent: 24.5 mm (31/32 inches) to 490.0 mm (19-9/32 inches)]
<b>Camera Unit -&gt;</b>	Not supported
<b>Conversion Lens</b>	
<b>Camera Unit -&gt;</b>	Horizontal angle of view: 75.1° (wide) to 4.0° (tele)
<b>Angle of View</b>	Vertical angle of view: 46.7° (wide) to 2.3° (tele)
<b>Range</b>	Diagonal angle of view: 82.8° (wide) to 4.6° (tele)
<b>Camera Unit -&gt;</b>	Through, 1/4, 1/16, 1/64, IR through (IR through is used as "Night mode")
<b>Optical Filter -&gt;</b>	
<b>ND Filter</b>	
<b>Camera Unit -&gt;</b>	Switching between auto and manual
<b>Focus</b>	
<b>Camera Unit -&gt;</b>	Entire zooming range: 1000 mm (3.3 ft)
<b>Focus Distance</b>	Wide end: 100 mm (0.33 ft)
<b>Camera Unit -&gt;</b>	1MOS
<b>Color Separation</b>	
<b>Optical System</b>	
<b>Camera Unit -&gt;</b>	F9, 2000 lx
<b>Standard Sensitivity</b>	
<b>Camera Unit -&gt;</b>	2 lx (F2.8, 59.94p, 50IRE, 42 dB, without accumulation)
<b>Minimum Illumination</b>	
<b>Camera Unit -&gt;</b>	2,000 TV lines Typ (Center area)
<b>Horizontal Resolution</b>	
<b>Camera Unit -&gt;</b>	Auto, -3 dB to 36 dB
<b>Gain Selection</b>	• 1 dB step increments can be set. Super Gain function equipped : +37 dB to 42 dB
<b>Camera Unit -&gt;</b>	0 dB, 6 dB, 12 dB, 18 dB, 24 dB
<b>Frame Mix</b>	
<b>Camera Unit -&gt;</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 -&gt;</b>	
<b>59.94p/59.94i</b>	
<b>Camera Unit -&gt;</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 -&gt;</b>	
<b>50p/50i</b>	

<b>Camera Unit</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</b>	-> 29.97p
<b>Camera Unit</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>Electronic Shutter Speed</b>	-> 25p
<b>Camera Unit</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</b>	-> 23.98p/24p
<b>Camera Unit</b>	-> 60.00 Hz to 7200 Hz
<b>Synchro Scan</b>	-> 59.94p/59.94i
<b>Camera Unit</b>	-> 50.00 Hz to 7200 Hz
<b>Synchro Scan</b>	-> 50p/50i
<b>Camera Unit</b>	-> 30.00 Hz to 7200 Hz
<b>Synchro Scan</b>	-> 29.97p
<b>Camera Unit</b>	-> 25.00 Hz to 7200 Hz
<b>Synchro Scan</b>	-> 25p
<b>Camera Unit</b>	-> 24.00 Hz to 7200 Hz
<b>Synchro Scan</b>	-> 23.98p/24p
<b>Camera Unit</b>	-> HD / FILMLIKE1 / FILMLIKE2 / FILMLIKE3 / FILM REC / VIDEO REC
<b>Gamma</b>	
<b>Camera Unit</b>	-> ATW: 3200K, 5600K
<b>White Balance</b>	<ul style="list-style-type: none"> <li>• ATW Speed 3-stage variables</li> <li>AWB: AWB-A / AWB-B</li> <li>VAR (selectable between 2000K and 15000K by designating a value)</li> </ul>
<b>Camera Unit</b>	-> OFF, -99 % to 99 %
<b>Chroma Amount Variability</b>	
<b>Camera Unit</b>	-> Scene1, Scene2, Scene3, Scene4
<b>Scene File</b>	
<b>Camera Unit</b>	-> 2160/59.94p, 2160/50p, 2160/29.97p(Native), 2160/25p(Native), 2160/24p(Native), 2160/23.98p(Native)
<b>Output Format(UHD/FHD SDI)</b>	-> 4K *3
<b>Camera Unit</b>	-> 1080/59.94p, 1080/50p, 1080/29.97p(Native), 1080/25p(Native), 1080/24p(Native), 1080/23.98p(Native), 1080/59.94i,
<b>Output</b>	1080/50i, 720/59.94p, 720/50p
<b>Output Format(UHD/FHD SDI)</b>	-> HD *3
<b>Camera Unit</b>	-> 2160/59.94p, 2160/50p, 2160/29.97p(Native), 2160/25p(Native), 2160/24p(Native), 2160/23.98p(Native)
<b>Output Format(UHD/FHD Fiber)</b>	-> 4K *3
<b>Camera Unit</b>	-> 1080/59.94p, 1080/50p, 1080/29.97p(Native), 1080/25p(Native), 1080/24p(Native), 1080/23.98p(Native), 1080/59.94i,
<b>Output</b>	1080/50i, 720/59.94p, 720/50p
<b>Output Format(UHD/FHD Fiber)</b>	-> HD *3
<b>Synchronization System</b>	Internal/External synchronization (BBS/Tri-level sync)
<b>Input Connector</b>	- • BBS (Black Burst Sync), tri-level sync supported
	> G/L IN
<b>Input Connector</b>	-MIC/LINE input compatible (SDI/HDMI/IP)
	> MIC/LINE Input AAC compatible (compatible with IP only)
	• ø 3.5 mm stereo mini jack (unbalanced)
	• During MIC input
	Input level: -40 dBV (0 dB=1 V/Pa, 1 kHz)
	Plug-in power compatible,
	supply voltage: 2.5 V ± 0.5 V
	Input impedance:
	Approx. 2 kΩ (When plug-in power is ON)
	Approx. 20 kΩ (When plug-in power is 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:
	24bit (SDI, HDMI), 16bit (IP)
<b>Output Connector</b>	HDMI 2.0 connector
<b>HDMI</b>	4:2:2/10bit
	• HDCP is not supported.
	• Viera Link is not supported.
<b>Output Connector</b>	SMPTE 2082-1/SMPTE 2081-1/SMPTE 424M /SMPTE 292M / 75 Ω(BNC×1)
<b>12G-SDI OUT</b>	• Level-A/Level-B supported
<b>Output Connector</b>	SMPTE 424M /SMPTE 292M / 75 Ω(BNC×1)
<b>3G-SDI OUT1</b>	• Level-A/Level-B supported
<b>Output Connector</b>	SMPTE 424M /SMPTE 292M / 75 Ω(BNC×1)
<b>3G-SDI OUT2/PM</b>	• Level-A/Level-B supported

<b>Output</b>	SFP+ standard
<b>Connector -&gt; SFP+</b>	The signal sent is the same as 12G SDI OUT. <ul style="list-style-type: none"> <li>This unit does not support input by optical signals</li> <li>Use a module conforming to the MSA specification.</li> </ul>
<b>Input/Output Connector -&gt; LAN</b>	LAN connector for IP control (RJ-45)
<b>Input/Output Connector -&gt; RS-422</b>	CONTROL IN RS-422A (RJ-45)
<b>Pan-tilt Head Unit -&gt; IP connecting cable</b>	<ul style="list-style-type: none"> <li>When there is a PoE++ Ethernet hub LAN cable<sup>*4</sup> (category 5e or above, straight cable), max. 100 m (328 ft)</li> <li>When there is no PoE++ Ethernet hub LAN cable<sup>*4</sup> (category 5e or above, straight cable), max. 100 m (328 ft)</li> </ul>
<b>Pan-tilt Head Unit -&gt; AW protocol connecting cable</b>	<ul style="list-style-type: none"> <li>LAN cable<sup>*4</sup> (category 5e or above, straight cable), max. 1000 m (3280 ft)</li> <li>Use category 6 or better for 4K video transmissions.</li> </ul>
<b>Pan-tilt Head Unit -&gt; Installation Method<sup>*4</sup></b>	<ul style="list-style-type: none"> <li>Stand-alone (Desktop) or suspended (Hanging)</li> <li>To ensure safety, the unit must be secured using the mount bracket supplied.</li> </ul>
<b>Pan-tilt Head Unit -&gt; Pan/tilt Operation Speed</b>	<ul style="list-style-type: none"> <li>Speed range: 0.08°/s to 180°/s (During manual operation)</li> <li>3 speed modes installed</li> <li>Normal: 60°/s, Fast1: 90°/s, Fast2: 180°/s</li> <li>Note that the operating noise may be loud in high speed.</li> <li>If the operating noise is disturbing, use the Normal mode.</li> </ul>
<b>Pan-tilt Head Unit -&gt; Panning Range</b>	±175°
<b>Pan-tilt Head Unit -&gt; Tilting range</b>	-30° to 210° <ul style="list-style-type: none"> <li>Depending on the pan or tilt position, the camera may be reflected in the image.</li> </ul>
<b>Pan-tilt Head Unit -&gt; Quietness</b>	NC35 or less (Up to 60°/s in Normal mode)
<b>Supported Operating Systems and Web Browsers -&gt; Windows<sup>*6</sup></b>	<ul style="list-style-type: none"> <li>Microsoft® Windows® 10</li> <li>Microsoft® Windows® 11</li> <li>Microsoft Edge</li> <li>Google Chrome</li> </ul>
<b>Supported Operating Systems and Web Browsers -&gt; Mac<sup>*6</sup></b>	<ul style="list-style-type: none"> <li>macOS 14</li> <li>macOS 13</li> <li>macOS 12</li> <li>Safari</li> <li>Google Chrome</li> </ul>
<b>Supported Operating Systems and Web Browsers -&gt; iPhone/iPad</b>	<ul style="list-style-type: none"> <li>iOS</li> <li>iPadOS</li> <li>Safari</li> </ul>
<b>Supported Operating Systems and Web Browsers -&gt; Android</b>	<ul style="list-style-type: none"> <li>Android OS</li> <li>Google Chrome</li> </ul>
<b>IP Streaming -&gt; Image Streaming Mode</b>	JPEG (MJPEG), H.264, H.265, NDI® HX2, NDI® High Bandwidth
<b>IP Streaming -&gt; Image Resolution</b>	3840x2160, 1920x1080, 1280x720, 640x360, 320x180
<b>IP Streaming -&gt; Image Transmission Setting (JPEG)</b>	Frame Rate: Maximum 30 fps Image quality (Fine / Normal)
<b>IP Streaming -&gt; Image Transmission Setting (H.264) -&gt; Transmission Type</b>	Unicast port (AUTO) Unicast port (MANUAL) Multicast port
<b>IP Streaming -&gt; Image Transmission Setting (H.264) -&gt; Transmission mode</b>	Constant bit rate Frame rate Best effort
<b>IP Streaming -&gt; Image Transmission Setting (H.264) -&gt; Frame Rate</b>	[60Hz] 5fps / 15fps / 30fps / 60fps (UHD: 30fps, 60fps) [50Hz] 5fps / 12.5fps / 25fps / 50fps (UHD: 25fps, 50fps)
<b>IP Streaming -&gt; Image Transmission Setting (H.264) -&gt; Max Bit Rate</b>	512kbps / 768kbps / 1024kbps / 1536kbps / 2048kbps / 3072kbps / 4096kbps / 6144kbps / 8192kbps / 10240kbps 12288kbps / 14336kbps / 16384kbps / 20480kbps / 24576kbps / 32768kbps / 40960kbps / 51200kbps / 76800kbps
<b>IP Streaming -&gt; Image Transmission Setting (H.265) -&gt; Transmission Type</b>	Unicast port (AUTO) Unicast port (MANUAL) Multicast port

<b>IP Streaming -&gt;</b>	[60Hz] 30fps/60fps
<b>Image</b>	[50Hz] 25fps/50fps
<b>Transmission</b>	
<b>Setting (H.265) -&gt;</b>	
<b>Frame Rate</b>	
<b>IP Streaming -&gt;</b>	512kbps/768kbps/1024kbps/1536kbps/2048kbps/3072kbps/4096kbps/6144kbps/8192kbps/10240kbps/12288kbps/14336kbps
<b>Image</b>	
<b>Transmission</b>	
<b>Setting (H.265) -&gt;</b>	
<b>Max Bit Rate</b>	
<b>IP Streaming -&gt;</b>	AAC-LC, 48 kHz / 16 bit / 2ch
<b>Audio</b>	
<b>Compression</b>	
<b>Format</b>	
<b>IP Streaming -&gt;</b>	TCP / IP, UDP / IP, HTTP, HTTPS, DNS, NTP,
<b>Supported</b>	SNMP, DHCPv6, RTP, MLD, ICMP, ARP, RTMP
<b>Protocol -&gt; IPv6</b>	
<b>IP Streaming -&gt;</b>	TCP / IP, UDP / IP, HTTP, HTTPS, RTSP,
<b>Supported</b>	RTP, RTP / RTCP, DHCP, DNS, DDNS, NTP, SNMP,
<b>Protocol -&gt; IPv4</b>	UPnP, IGMP, ICMP, ARP, RTMP, RTMPS, SRT
<b>NDI® Support -&gt;</b>	NDI® HX2, NDI® High Bandwidth
<b>NDI® Support</b>	
<b>NDI® Support -&gt;</b>	2160/59.94p, 2160/50p, 2160/29.97p, 2160/25p, 2160/24p, 2160/23.98p
<b>Output Format</b>	
<b>(NDI® High bandwidth) -&gt; 4K</b>	
<b>NDI® Support -&gt;</b>	1080/59.94p, 1080/50p, 1080/29.97p, 1080/25p, 1080/24p, 1080/23.98p, 720/59.94p, 720/50p
<b>Output Format</b>	
<b>(NDI® High bandwidth) -&gt; HD</b>	
<b>NDI® Support -&gt;</b>	1920x1080, 1280x720
<b>Image Resolution</b>	
<b>(NDI® HX2)</b>	
<b>NDI® Support -&gt;</b>	TCP/UDP
<b>Image Streaming</b>	Unicast/Multicast
<b>Setting (NDI®)</b>	
<b>High bandwidth)</b>	
<b>-&gt; Transmission</b>	
<b>Type</b>	
<b>NDI® Support -&gt;</b>	Max 250 Mbps
<b>Image Streaming</b>	
<b>Setting (NDI®)</b>	
<b>High bandwidth)</b>	
<b>-&gt; Max Bit Rate</b>	
<b>NDI® Support -&gt;</b>	Unicast port (AUTO)
<b>Image Streaming</b>	Unicast port (MANUAL)
<b>Setting (NDI®)</b>	Multicast port
<b>HX2) -&gt;</b>	
<b>Transmission</b>	
<b>Type</b>	
<b>NDI® Support -&gt;</b>	[60Hz] 5fps / 15fps / 30fps / 60fps (UHD:30fps / 60fps)
<b>Image Streaming</b>	[50Hz] 5fps / 12.5fps / 25fps / 50fps (UHD:25fps / 50fps)
<b>Setting (NDI®)</b>	
<b>HX2) -&gt; Flame</b>	
<b>rate</b>	
<b>NDI® Support -&gt;</b>	512kbps / 768kbps / 1024kbps / 1536kbps / 2048kbps / 3072kbps / 4096kbps / 6144kbps / 8192kbps / 10240kbps / 12288kbps /
<b>Image Streaming</b>	14336kbps / 16384kbps / 20480kbps / 24576kbps
<b>Setting (NDI®)</b>	
<b>HX2) -&gt; Max Bit</b>	
<b>Rate</b>	
<b>NDI® Support -&gt;</b>	AAC, 48 kHz, 2 ch
<b>Audio</b>	
<b>Compression</b>	
<b>Type (NDI® High bandwidth)</b>	
<b>NDI® Support -&gt;</b>	AAC-LC, 48 kHz, 16 bit, 2 ch
<b>Audio</b>	
<b>Compression</b>	
<b>Type (NDI® HX2)</b>	
<b>Other Function -&gt;</b>	red / green / yellow
<b>Tally LED Display</b>	
<b>Color</b>	
<b>Footnote</b>	1. Future support planned
<b>Description</b>	2. This cannot be configured when the format is 2160/29.97p, 2160/23.98p, 2160/24p, 2160/25p, 1080/29.97p, 1080/25p. 3. When selecting formats for UHD SDI, HDMI, and Fiber, it is not possible to select different formats for each of them. Furthermore, the formats for FHD SDI and 3G SDI OUT2 are fixed to the formatting method selected for UHD SDI and HDMI. 4. Use of an STP (shielded twisted pair) cable is recommended. 5. Category 6 or more is used when sending 4K images.

\* NDI® is a video connectivity technology and is registered as a trademark by Vizrt NDI AB in the United States and other countries.