



## Professional PTZ with 4K 60p/50p Unleashing New Possibilities in Video Production

### AW-UE150

The AW-UE150 is Panasonic's comprehensive professional PTZ camera lineup. Featuring a 1-type large MOS sensor, this next-generation PTZ camera supports high-quality 4K/UHD 60p video, features a 75.1-degree viewing angle, 20x optical zoom and supports versatile outputs, including 12G-SDI, HDMI, optical fiber, and IP. Simultaneous 4K/HD operation makes this PTZ camera powerhouse ideal for those looking to future-proof their system.

#### Key Features

First 60p/50p Integrated PTZ Camera

75.1° horizontal viewing angle (widest in its class)

Various 4K interfaces (12G-SDI, HDMI, Optical Fiber, IP)

Optical 20x Zoom + iZoom

4K/HD Simultaneous Output



PROFESSIONAL PARTNER LEVEL PROFESSIONAL PARTNER LEVEL



**BOSCH**



**BOSCH**





## AW-UE150

<https://ap.connect.panasonic.com/sg/en/aw-ue150>

General -> Power Requirements	12 V DC (10.8 V to 13.2 V), DC 42 V to 57 V (Camera Input, PoE++ power supply)
General -> Current Consumption	4.0 A (XLR IN connector), 1.2 A (PoE++ power supply)
General -> Ambient Operating Temperature	0 °C to 40 °C (32 °F to 104 °F)
General -> Ambient Operating Humidity	0 °C to 40 °C (32 °F to 104 °F)
General -> Storage Temperature	-20 °C to 50 °C (-4 °F to 122 °F)
General -> Weight	Approx. 4.2 kg (9.24 lb) (excluding mount bracket)
General -> Dimensions	W 213 mm x H 267 mm x D 219 mm (8-3/8 inches x 10-1/2 inches x 8-5/8 inches) (excluding protrusions, direct ceiling mount bracket)
General -> Finish	AW-UE150WP/AW-UE150WE: Pearl white AW-UE150KP/AW-UE150KE: Black
General -> Controller Supported *1	See the "Compatibility Chart for Operation Devices and Application Software" page
Camera Unit -> Imaging Sensor	1-type 4K MOSx1
Camera Unit -> Effective Pixels	20,180,000 pixel
Camera Unit -> Zoom	• Optical zoom: 20x • i.Zoom: UHD 24x, FHD 32x • Digital zoom: 10x
Camera Unit -> Lens	Motorized Optical 20x zoom, F2.8 to F4.5 [f=8.8 mm (1 1/32 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)]
Camera Unit -> Conversion Lens	Not supported
Camera Unit -> Angle of View Range	Horizontal angle of view: 75.1° (wide) to 4.0° (tele) Vertical angle of view: 46.7° (wide) to 2.3° (tele) Diagonal angle of view: 82.8° (wide) to 4.6° (tele)
Camera Unit -> Optical Filter -> ND Filter	Through, 1/4, 1/16, 1/64, IR through (IR through is used as "Night mode")
Camera Unit -> Focus	Switching between auto and manual
Camera Unit -> Focus Distance	Entire zooming range: 1000 mm (3.3 ft) Wide end: 100 mm (0.33 ft)
Camera Unit -> Color Separation Optical System	1MOS
Camera Unit -> Standard Sensitivity	F9, 2000 lx (When normal mode is selected)
Camera Unit -> Minimum Illumination	2 lx (F2.8, 59.94p, 50IRE, 42 dB, without accumulation)
Camera Unit	60 dB or more
Camera Unit -> Horizontal Resolution	> 4K -2,000 TV lines Typ (Center area)
Camera Unit -> Gain Selection *2	Auto, -3 dB to 36 dB *2 Super Gain function equipped : +37 dB to 42 dB
Camera Unit -> Frame Mix *3	0 dB, 6 dB, 12 dB, 18 dB, 24 dB
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 -> 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 / FILMLIKE1 / FILMLIKE2 / FILMLIKE3 / FILM REC / VIDEO REC / HLG
Camera Unit -> White Balance	ATW : 3200K, 5600K ATW Speed : Normal / Slow / Fast AWB : AWB-A / AWB-B VAR (selectable between 2000K and 15000K by designating a value)
Camera Unit -> Chroma Amount Variability	OFF, -99 % to 99 %
Camera Unit -> Scene File	Scene1, Scene2, Scene3, Scene4

<b>Camera Unit -&gt; Output Format (SDI) -&gt; 4K</b>	2160/59.94p, 2160/50p, 2160/29.97p *4, 2160/25p *4, 2160/24p *4, 2160/23.98p *4
<b>Camera Unit -&gt; Output Format (SDI) -&gt; HD</b>	1080/59.94p, 1080/50p, 1080/29.97p *4, 1080/29.97PsF, 1080/25p *4, 1080/25PsF, 1080/23.98p *5, 1080/24p *4, 1080/23.98p *4, 1080/23.98PsF, 1080/59.94i, 1080/50i, 720/59.94p, 720/50p
<b>Camera Unit -&gt; Output Format (HDMI) -&gt; 4K</b>	2160/59.94p, 2160/50p, 2160/29.97p *4, 2160/25p *4, 2160/24p *4, 2160/23.98p *4
<b>Camera Unit -&gt; Output Format (HDMI) -&gt; HD</b>	1080/59.94p, 1080/50p, 1080/29.97p *4, 1080/29.97PsF, 1080/25p *4, 1080/25PsF, 1080/23.98p, 1080/24p *4, 1080/23.98p *4 *5, 1080/23.98PsF, 1080/59.94i, 1080/50i, 720/59.94p, 720/50p
<b>Camera Unit -&gt; Output Format(Fiber (video only)) -&gt; 4K</b>	2160/59.94p, 2160/50p, 2160/29.97p, 2160/25p, 2160/24p, 2160/23.98p
<b>Camera Unit -&gt; Output Format(Fiber (video only)) -&gt; HD</b>	1080/59.94p, 1080/50p, 1080/29.97p, 1080/29.97PsF, 1080/25p, 1080/25PsF, 1080/23.98p, 1080/24p, 1080/23.98p, 1080/23.98PsF, 1080/59.94i, 1080/50i, 720/59.94p, 720/50p
<b>Synchronization System</b>	Internal/External synchronization (BBS/Tri-level sync)
<b>Input Connector -&gt; DC IN</b>	DC 12 V IN
<b>Input Connector -&gt; G/L IN</b>	BBS (Black Burst Sync), tri-level sync supported
<b>Output Connector -&gt; HDMI</b>	HDMI 2.0 standard 4:2:2/10bit • HDCP is not supported. • Viera Link is not supported.
<b>Output Connector -&gt; 12G-SDI OUT</b>	SMPTE 2082-1 standard / 75 Ω (BNC x 1)
<b>Output Connector -&gt; 3G-SDI OUT</b>	SMPTE424M/SMPTE292 / 75 Ω (BNC x 1) • Level-A/Level-B supported
<b>Output Connector -&gt; MONIOUT</b>	SMPTE292 / 75 Ω (BNC x 1)
<b>Output Connector -&gt; OpticalFiber</b>	SFP+ standard • This unit does not support input by optical signals
<b>Input/Output Connector -&gt; LAN</b>	LAN connector for IP control (RJ-45) 100BASE-TX/1000BASE-T
<b>Input/Output Connector -&gt; RS-422</b>	CONTROL IN RS-422A (RJ-45)
<b>Input/Output Connector -&gt; MIC/LINE Input</b>	AAC compatible (compatible with IP only) ø 3.5 mm stereo mini jack Input impedance: High impedance • During MIC input Supported mic: Stereo mic (plug-in power, on/off switching via menu) Supply voltage: 2.5 V ± 0.5 V Mic input sensitivity: Approx. -40 dBV ± 3 dBV (0 dB=1 V/Pa, 1 kHz) • During LINE input Input level: Approx. -10 dBV ±3 dBV
<b>Pan-tilt Head Unit -&gt; IP connecting cable</b>	LAN cable *6 *7: (category 5e or above, straight cable / crossover cable), max. 100 m (328 ft)
<b>Pan-tilt Head Unit -&gt; AW protocol connecting cable</b>	LAN cable *6: (category 5e or above, straight cable), max. 1000 m (3280 ft)
<b>Pan-tilt Head Unit -&gt; Installation Method</b>	Stand-alone (Desktop) or suspended (Hanging) *8
<b>Pan-tilt Head Unit -&gt; Pan/tilt Operation Speed</b>	Minimum speed 0.08°/s Maximum speed 60°/s or higher *9 • Maximum speed is 180°/s in high-speed mode
<b>Pan-tilt Head Unit -&gt; Panning Range</b>	±175°
<b>Pan-tilt Head Unit -&gt; Tilting range</b>	-30° to 210° *10
<b>Pan-tilt Head Unit -&gt; Quietness</b>	NC35 or less
<b>Supported Operating Systems and Web Browsers -&gt; Windows *11</b>	Microsoft® Windows® 7, 10 Windows® Internet Explorer® 11 (64-bit/32-bit) Microsoft Edge Google Chrome
<b>Supported Operating Systems and Web Browsers -&gt; Mac *11</b>	Mac OS 10.13, Mac OS 10.12, Mac OS 10.11 Safari 11, Google Chrome
<b>Supported Operating Systems and Web Browsers -&gt; iPhone/iPad *11</b>	iOS 11.4.1 Google Chrome
<b>IP Streaming -&gt; Image Streaming Mode</b>	JPEG (MJPEG), H.264, H.265
<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>	HD: 512kbps / 768kbps / 1024kbps / 1536kbps / 2048kbps / 3072kbps / 4096kbps / 6144kbps / 8192kbps / 10240kbps / 12288kbps / 14336kbps / 16384kbps / 20480kbps / 24576kbps / 32768kbps / 40960kbps / 51200kbps / 76800kbps UHD: 12800kbps / 25600kbps / 51700kbps / 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; Image Transmission Setting (H.265) -&gt; Frame Rate</b>	[60Hz] 30fps [50Hz] 25fps
<b>IP Streaming -&gt; Image Transmission Setting (H.265) -&gt; Max Bit Rate</b>	8192kbps / 12800kbps / 25600kbps / 51200kbps / 76800kbps

<b>IP Streaming -&gt; Audio Compression Format</b>	AAC-LC, 48 kHz / 16 bit / 2ch
<b>IP Streaming -&gt; Supported Protocol -&gt; IPv6</b>	TCP / IP, UDP / IP, HTTP, HTTPS, DNS, NTP, DHCPv6, RTP, MLD, ICMP, ARP, RTMP, SRT
<b>IP Streaming -&gt; Supported Protocol -&gt; IPv4</b>	TCP / IP, UDP / IP, HTTP, HTTPS, RTSP, RTP / RTCP, DHCP, DNS, DDNS, NTP, UPnP, IGMP, ICMP, ARP, RTMP, RTMPS, SRT
<b>NDI® Support -&gt; NDI® Support</b>	NDI® HX version 2
<b>Other Function -&gt; Tally LED Display Color</b>	red / green
<b>Footnote Description</b>	<p>* NDI® is a registered trademark of Vizrt NDI AB in the United States and other countries.</p> <ol style="list-style-type: none"> <li>1. Use may require a software version update.</li> <li>2. 1 dB step increments can be set.</li> <li>3. This cannot be configured 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.</li> <li>4. Native output.</li> <li>5. It denotes "1080/23.98p over 59.94i".</li> <li>6. Use of an STP (shielded twisted pair) cable is recommended.</li> <li>7. Category 6 or more is used when sending 4K images.</li> <li>8. To ensure safety, the unit must be secured using the mount bracket supplied.</li> <li>9. Quietness, stationary accuracy, etc., in high-speed mode may vary from normal mode.</li> <li>10. Depending on the pan or tilt position, the camera may be reflected in the image.</li> <li>11. Supported OS indicated are for browsers current as of October 2018. See Service and Support for the latest information on browser support.</li> <li>12. Contact your local Panasonic vendor for further information.</li> </ol>