



**4K 25/ 30p PTZ-camera met 24x optische zoom die NDI|HX versie 2 en SRT ondersteunt**

## **AW-UE50**

De nieuw ontworpen en compacte behuizing weegt slechts 1,8 kg, waardoor de AW-UE50 in elk soort omgeving gemakkelijk te hanteren en te installeren is, vooral wanneer hij op trusses of aan een plafond moet worden geplaatst.

### **Key Features**

4K 25/30p en 24x optische zoom

Ondersteunt NDI|HX versie 2 en SRT\*1-protocol

Nieuw direct-drivesysteem voor verbeterde responsiviteit en stille werking

Uitstekende systeemflexibiliteit voor een soepele werking





## AW-UE50

<https://eu.connect.panasonic.com/nl/nl/products/broadcast-proav/aw-ue50>

<b>General</b>	
<b>Power Requirements</b>	12 V DC (10.8 V to 13.2 V) (Supplied AC adapter)
<b>PoE+</b>	IEEE802.3at compliant : DC42 to 57 V (Camera Input)(Software authentication (LLDP) is supported)
<b>Current Consumption</b>	1.8 A (Supplied AC adaptor), 0.6 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 °C to 50 °C (-4 °F to 122 °F)
<b>Mass</b>	Approx. 1.8 kg (3.97 lbs) (excluding ceiling mounting bracket)Approx. 2.05 kg (4.51 lbs) (including ceiling mounting bracket)
<b>Dimensions (W x H x D) (mm)</b>	160.0 mm x 192.1 mm x 166.0 mm (Excluding protrusions, cable cover, ceiling mounting bracket)
<b>Dimensions (W x H x D) (inch)</b>	6.299 inches x 7.563 inches x 6.535 inches (Excluding protrusions, cable cover, ceiling mounting bracket)
<b>Finish</b>	AW-UE50W: WhiteAW-UE50K: Black
<b>Controller Supported</b>	AW-RP150G, AW-RP60G, 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 4K MOS x1
<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: 1.4 x , 2 x
<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>	
<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>S/N</b>	
<b>Horizontal Resolution</b>	UHD: 1,500 Typ (Center area)FHD: 1,000 Typ (Center area)
<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>Output Format</b>	
<b>Synchronization System</b>	
<b>Input</b>	
<b>Input Connector</b>	DC 12 V IN
<b>Output</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>	2160/29.97p (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 (over59.94i), 1080/24p (Just), 23.98p (Native), 720/59.94p, 50p

<b>Video Output</b>	
<b>Video Output   HDMI</b>	HDMI 1.4 connector, 4:2:2/10bit <ul style="list-style-type: none"> <li>• HDCP is not supported.</li> <li>• Viera Link is not supported.</li> </ul>
<b>Video Output   3G-SDI OUT</b>	SMPTE292M, 424M/ 75 Ω (BNCx1) <ul style="list-style-type: none"> <li>• Level-A/Level-B supported</li> </ul>
<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 <ul style="list-style-type: none"> <li>• 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 kΩ (when plug-in power is turned OFF)"</li> <li>• During LINE input  Input level: -10 dBV  Input impedance: Approx. 3 kΩ  <ul style="list-style-type: none"> <li>• Input volume variable range: -36 dB to 12 dB (3 dB step)</li> <li>• Embedded audio output level: -12 dBFS</li> <li>• Sampling frequency: 48 kHz</li> </ul> </li> </ul>
<b>Pan Tilt Head Unit</b>	
<b>IP Connecting Cable</b>	<ul style="list-style-type: none"> <li>• If you have a PoE+ ethernet hub  LAN cable*5 (category 5e or above, straight cable) Max 100 m (328 ft)</li> <li>• If you don't have a PoE+ ethernet hub  LAN cable*5 (category 5e or above, straight cable) Max 100 m (328 ft)</li> </ul>
<b>AW Protocol Connecting Cable</b>	<ul style="list-style-type: none"> <li>• LAN cable*5 (category 5e or above, straight cable) Max 1000 m (3280 ft)</li> </ul>
<b>Camera/Pan-Tilt Head Control</b>	
<b>Installation Method</b>	Stand-alone (Desktop) or suspended (Hanging)*6
<b>Pan/Tilt Operation Speed</b>	Speed range: 0.08°/s to 60°/s (Normal mode)*7 <ul style="list-style-type: none"> <li>• 3 speed modes installed Normal:60°/s, Fast1:90°/s, Fast2:180°/s</li> </ul>
<b>Panning Range</b>	±175°
<b>Tilting Range</b>	-30°to 90°*8
<b>Quietness</b>	NC25 or less
<b>Supported operating systems and web browsers</b>	*9
<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 Streaming Mode</b>	JPEG (MJPEG), H.264, H.265, NDI®  HX version 2*10,11,12,13 (H.264)
<b>Image Resolution</b>	1920x1080, 1280x720, 640x360, 320x180
<b>Image Transmission setting (JPEG)</b>	Frame rate: Maximum 30fps Image 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 / 2ch
<b>Supported Protocol</b>	

<b>Supported protocol   IPv6</b>	TCP/IP, UDP/IP, HTTP, HTTPS, DNS, NTP, DHCPv6, RTP, MLD, ICMP, ARP, RTMP, SRT
<b>Supported protocol   IPv4</b>	TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP, DHCP, DNS, DDNS, NTP, IGMP, ICMP, ARP, RTMP, RTMPS, SRT
<b>NDI Support</b>	NDI®  HX version 2: Upgradable
<b>Image Resolution   NDI®  HX version 2</b>	1920x1080, 1280x720
<b>Image Transmission Setting (NDI®  HX version 2)</b>	Transmission Type: Streaming method: TCP/UDP, Unicast/Multicast
<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*14
<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>Image Stabilization</b>	OIS 2-axis
	MENU switching: Select between Off/O.I.S.
<b>Privacy Mode</b>	The lens surface faces backward when standing by (ON/OFF)
	* Default is OFF
<b>Other Functions</b>	
<b>Tally LED display color</b>	red / green
<b>Note</b>	*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: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 September 2021. 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.*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-UE50/AW-UE40 supports NDI®  HX version 2 and Full HD output.*13:For details, please contact a sales representative of Panasonic. To use NDI®  HX, the driver must be installed and activated.*14:Non-synchronous with SDI-OUT