Panasonic CONNECT



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

4K PROFESSIONAL HDR

SRT SECURE RELIABLE TRANSPORT

PROFESSIONAL PARTNER LEVEL BOSCH

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TAA COMPLIANT

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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	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 (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)]
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	Auto, -3 dB to 36 dB *2 Super Gain function equipped : +37 dB to 42 dB
Camera Unit -> Frame Mix	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

Camera Unit -> Output Format (SDI) -> 4K	2160/59.94p, 2160/50p, 2160/29.97p [*4], 2160/25p [*4], 2160/24p [*4], 2160/23.98p [*4]
Camera Unit -> Output Format (SDI) -> HD	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
Camera Unit -> Output Format (HDMI) -> 4K	2160/59.94p, 2160/50p, 2160/29.97p [*4], 2160/25p [*4], 2160/24p [*4], 2160/23.98p [*4]
Camera Unit -> Output Format (HDMI) -> HD	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
Camera Unit -> Output Format(Fiber (video only)) -> 4K	2160/59.94p, 2160/50p, 2160/29.97p, 2160/25p, 2160/24p, 2160/23.98p
Camera Unit -> Output Format(Fiber (video only)) -> HD	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
Synchronization System	Internal/External synchronization (BBS/Tri-level sync)
Input Connector -> DC IN	DC 12 V IN
Input Connector -> G/L IN	BBS (Black Burst Sync), tri-level sync supported
Output Connector -> HDMI	HDMI 2.0 standard 4:2:2/10bit • HDCP is not supported. • Viera Link is not supported.
Output Connector -> 12G-SDI OUT	SMPTE 2082-1 standard / 75 Ω (BNC x 1)
Output Connector -> 3G-SDI OUT	SMPTE424M/SMPTE292 / 75 Ω (BNC x 1) • Level-A/Level-B supported
Output Connector -> MONIOUT	SMPTE292 / 75 Ω (BNC x 1)
Output Connector -> OpticalFiber	SFP+ standard • This unit does not support input by optical signals
Input/Output Connector -> LAN	LAN connector for IP control (RJ-45) 100BASE-TX/1000BASE-T
Input/Output Connector -> RS-422	CONTROL IN RS-422A (RJ-45)
Input/Output Connector -> MIC/LINE Input	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
Pan-tilt Head Unit -> IP connecting cable	LAN cable [*6] [*7]: (category 5e or above, straight cable / crossover cable), max. 100 m (328 ft)
Pan-tilt Head Unit -> AW protocol connecting cable	LAN cable [*6]: (category 5e or above, straight cable), max. 1000 m (3280 ft)
Pan-tilt Head Unit -> Installation Method [*4]	Stand-alone (Desktop) or suspended (Hanging) [*8]
Pan-tilt Head Unit -> Pan/tilt Operation Speed	Minimum speed 0.08°/s Maximum speed 60°/s or higher [*9] • Maximum speed is 180°/s in high-speed mode
Pan-tilt Head Unit -> Panning Range	±175°
Pan-tilt Head Unit -> Tilting range	–30° to 210° [*10]
Pan-tilt Head Unit -> Quietness	NC35 or less
Supported Operating Systems and Web Browsers -> Windows [*6]	Microsoft® Windows® 7, 10 Windows® Internet Explorer® 11 (64-bit/32-bit) Microsoft Edge Google Chrome
Supported Operating Systems and Web Browsers -> Mac [*6]	Mac OS 10.13, Mac OS 10.12, Mac OS 10.11 Safari 11, Google Chrome
Supported Operating Systems and Web Browsers -> iPhone/iPad	iOS 11.4.1 Google Chrome
IP Streaming -> Image Streaming Mode	JPEG (MJPEG), H.264, H.265
IP Streaming -> Image Resolution	3840x2160, 1920x1080, 1280x720, 640x360, 320x180
IP Streaming -> Image Transmission Setting (JPEG)	Frame Rate: Maximum 30 fps Image quality (Fine / Normal)
IP Streaming -> Image Transmission Setting (H.264) -> Transmission Type	Unicast port (AUTO) Unicast port (MANUAL) Multicast port
IP Streaming -> Image Transmission Setting (H.264) -> Transmission mode	Constant bit rate Frame rate Best effort
IP Streaming -> Image Transmission Setting (H.264) -> Frame Rate	[60Hz] 5fps / 15fps / 30fps / 60fps (UHD: 30fps, 60fps) [50Hz] 5fps / 12.5fps / 25fps / 50fps (UHD: 25fps, 50fps)
IP Streaming -> Image Transmission Setting (H.264) -> Max Bit Rate	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
IP Streaming -> Image Transmission Setting (H.265) -> Transmission Type	Unicast port (AUTO) Unicast port (MANUAL) Multicast port
IP Streaming -> Image Transmission Setting (H.265) -> Frame Rate	[60Hz] 30fps [50Hz] 25fps
IP Streaming -> Image Transmission Setting (H.265) -> Max Bit Rate	8192kbps / 12800kbps / 25600kbps / 51200kbps / 76800kbps

IP Streaming -> Audio Compression Format	AAC-LC, 48 kHz / 16 bit / 2ch
IP Streaming -> Supported Protocol -> IPv6	TCP / IP, UDP / IP, HTTP, HTTPS, DNS, NTP, DHCPv6, RTP, MLD, ICMP, ARP, RTMP, SRT
IP Streaming -> Supported Protocol -> IPv4	TCP / IP, UDP / IP, HTTP, HTTPS, RTSP, RTP / RTCP, DHCP, DNS, DDNS, NTP, UPnP, IGMP, ICMP, ARP, RTMP, RTMPS, SRT
NDI® Support -> NDI® Support	NDI® HX version 2
Other Function -> Tally LED Display Color	red / green
Footnote Description	* NDI® is a registered trademark of Vizrt NDI AB in the United States and other countries. 1. Use may require a software version update. 2. 1 dB step increments can be set. 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. 4. Native output. 5. It denotes “1080/23.98p over 59.94i”. 6. Use of an STP (shielded twisted pair) cable is recommended. 7. Category 6 or more is used when sending 4K images. 8. To ensure safety, the unit must be secured using the mount bracket supplied. 9. Quietness, stationary accuracy, etc., in high-speed mode may vary from normal mode. 10. Depending on the pan or tilt position, the camera may be reflected in the image. 11. Supported OS indicated are for browsers current as of October 2018. See Service and Support for the latest information on browser support. 12. Contact your local Panasonic vendor for further information.