

AW-UE150W [White Model] AW-UE150K [Black Model] 4K Integrated Camera

AW-RP150GJ

Remote Camera Controller

For indoor use

Panasonic's 4K 60p/50p^{*1} 12G-SDI Supported PTZ Camera the Industry's First^{*2}

75.1° field of view for wide-angle shooting

4K 60p/50p^{*1}output supported for superior image quality

Optical **20x** zoom

AW-UE150W

Large touch panel for easy usability

*1: Actual output format is UHD (3840 x 2160) 59.94p/50p. *2: Internal investigation, Oct. 2018

4K

New joystick for flexible operability

AW-RP150GJ

AW-UE150K

AW-UE150

4K 60p/50p*1 Output, High-Magnification Zoom and Wide-Angle Shooting for Flexible Video Production



The next-generation PTZ camera supports high-quality video production in stadium, lecture halls, churches and other venues. Smooth and high-quality 4K $60p/50p^{*1}$, high-magnification zoom and a wide shooting angle expand the range of the PTZ camera's applications. The camera is equipped with a variety of interfaces and supports simultaneous 4K/HD operation which allows for versatility in current and future production systems.

High-Quality 4K 60p/50p*1 Shooting

3840 x 2160 4K output and $59.94p/50p^{*1}$ shooting achieve extremely smooth video, even in live sports and other environments containing rapid movement.

Output	format
4K	2160/59.94p, 2160/50p, 2160/29.97p* ² , 2160/25p* ² , 2160/24p* ² , 2160/23.98p* ²
HD	1080/59.94p, 1080/50p, 1080/29.97p* ² , 1080/29.97PsF, 1080/25p* ² , 1080/25PsF, 1080/23.98p* ³ , 1080/24p* ² , 1080/23.98p* ² , 1080/23.98PsF, 1080/59.94i, 1080/50i
	720/59.94p, 720/50p
-	

1.0-type MOS Sensor Mounted

The large 1.0-type MOS sensor enables high sensitivity shooting with low noise. The sensor boasts a light-capturing area that is approximately four times larger than that of the 1/2.3-type sensor to guarantee a wide dynamic range.

Optical 20x Zoom / Industry's First* 75.1° Horizontal Wide-Angle Shooting

Adding "i zoom" to our optical 20x zoom, maintains high resolution while enabling ultra-high resolution 32x zoom in HD mode and 24x zoom in 4K mode. This enables distant subjects to be captured clearly. Furthermore, 75.1° horizontal wide-angle shooting enables capture of the entire area, even when installation space is limited.

Optical 20x Zoom Image Quality





Horizontal 75.1° Shooting Range



Camera Position



HDR (HLG) Support*4

The camera supports HDR (High Dynamic Range) to prevent blown-out highlights and blocked-up shadows and enable picture quality close to that of the naked eye. Conforms to BT.2020.





HDR Mode OFF

HDR Mode ON * Images are simulated.

Optical Image Stabilizer (OIS) Loaded

Vibrations of the mounted surface caused by doors opening and closing, audio systems and other installed equipment are automatically corrected to ensure stable shooting.

Night Mode Support

Equipped with Night Mode for infrared shooting. The use of IR rays in low-light situations enables shooting in situations that would normally be difficult, such as when capturing wildlife (image output is black and white).



* Images are simulated

Incredible Pan and Tilt Performance

Pan and tilt operate from a minimum speed of 0.08° /s to a maximum of 180° /s in high-speed mode. This is approximately 3 times the speed of our current product^{*5} for rapid capture of the intended target. Furthermore, a low noise level of NC35 or less has been ensured when operating in normal mode, which is perfect for shooting in quiet environments^{*6}.



Cropping Function

Images shot in 4K can be output in their entirety while simultaneously cropping parts of those images. The cropping position can be specified from a maximum of 3 locations to enable simple operation from the Remote Camera Controller AW-RP150GJ, a web browser or other operations screen.



* Images are simulated



Multiple Interfaces Supported

A wide range of outputs are supported: 12G-SDI, 3G-SDI, HDMI, IP and even Optical Fiber output. The addition of 4K/HD simultaneous output guarantees the right output for the operation at hand. 4K video can be down converted to HD directly within the camera.



* Images are simulated.

*1: Actual output format is UHD (3840 x 2160) 59.94p/50p.

- *2: Native output.
- *3: It denotes "1080/23.98p over 59.94i".
- *4: The display color space does not completely comply with BT.2020. The color balance is shifted to display according to the BT.2020 color gamut.
- *5: Comparison with our current product, AW-HE130W/K.
- *6: Quietness, stationary accuracy, etc., in high-speed mode may vary from normal mode.
- *7: Abbreviation of Power over Ethernet Plus Plus. Conforms to IEEE802.3bt.

Adaptive Matrix prevents color overloaded from blue LEDs*

Equipped with an Adaptive Matrix function that automatically controls matrix calculation coefficients. This enables shooting while preventing color overloaded, even during live events and on stages with strong blue LED lights.

*Use may require a software version update.

WEB UI Improved

Camera IP image output, settings and control can be performed using a web browser on a computer connected via an IP network. In addition to PCs and Macs, iPads, iPhones*, Androids and other mobile devices can be used for operation, and this pursuit of easy-to-use interfaces has enabled smooth camera control from remote locations.

*Use may require a software version update.

Camera control screen (Windows operation depicted.)



· For supported browsers, see specifications on page 10.

AW-RP150GJ Connection for Large-Scale Production Systems

IP connection from the Remote Camera Controller AW-RP150GJ through a HUB (switching hub) enables control of up to 200 AW-UE150W/K units. Furthermore, a single AW-UE150W/K unit can be controlled from up to 5 AW-RP150GJ units.



Direct Broadcast via RTMP (Real-Time Messaging Protocol)

RTMP (Real-Time Messaging Protocol) is supported to enable direct upload of video to live-streaming services such as YouTube Live and Facebook Live. This means a live stream can be broadcast directly from the camera.



NDI | HX Compatibility for Excellent Video Streaming Quality

The AW-UE150W/K can be upgraded to an NDI | HX compatible model if purchasing a license. Highly efficient NDI | HX compatibility enables high-quality video to be encoded and transmitted in real-time and input signals to be directly sent to a switcher (AV-HLC100) without the need for an IP decoder.



*4K image output not supported in NDI|HX mode. *Contact your local Panasonic reseller for further information •NDI|HX, a technology of NewTek, Inc.

► JPEG Image Saving Function Equipped*

Up to 100 still images can be captured and saved as JPEG files to the built-in camera memory.

*Use may require a software version update.

FreeD Support for Construction of AR/VR Systems*

Connection with AR/VR systems has been enabled via FreeDcompliant command output. Camera tracking information (pan/tilt/zoom/focus/iris) is output according to a synchronizing signal to facilitate construction of virtual systems without an encoder.

AR: Augmented Reality VR: Virtual Reality

*Use may require a software version update.

Image of AR/VR system construction Composite image



* Images are simulated.

Optional Products

PC Software for Remote Camera Support

Supporting Lecture Capture with Auto Tracking function

Auto Tracking Software Key Stand-Alone and Web App Versions AW-SF100*1

Server Version AW-SF200*1

2 Additional Licenses (for AW-SF200) AW-SF202*1

3 Additional Licenses (for AW-SF200) AW-SF203*

A 30-day Free Trial is Available

 Motion detection and face detection technologies using video streaming from camera achieve smooth auto tracking regardless of where the person is facing. Installation of sensors and other devices are not necessary.

- GUI designed for intuitive operation.
- Operation with IP connection enables installation/control of cameras in remote classroom.
- AW-SF100 allows a single PTZ camera to be controlled on
- either a stand-alone or web application version. AW-SF200 operates on a server.
- The stand-alone version is easy to set up by installing software on a PC*2 and connecting PTZ cameras.
- The web application version enables camera control from a tablet, smartphone, desktop PC, etc.
- AW–SF200 enables simultaneous auto tracking and centralized control of multiple cameras.^{*3}

"2: When the web application version is used, Auto Tracking Software needs to be installed on an HTTP server.

2. Which the web application relation is used, auto interking bottware levels to be instance of an intervision server.
3: Up to four cameras per server can be controlled simultaneously.
3: Up to four cameras per server can be controlled simultaneously.
Depending on the shooting environment, the system may not be able to detect or track the target correctly. Please use this software in an environment where the adjustment work can be performed by the operator to deal with errors in detection and auto tracking. * There is a 30-day free trial available for the Auto Tracking Software. Please read carefully the precautions for this software and check if it works correctly in your operating environment before you purchase "Auto Tracking Software Activation Key". For further information, please see "Download/Software Download" on the Panasonic website <. • The face recognition function is based upon the face recognition software developed by PUX Corporation.

Control multiple PTZ Cameras from PC

PTZ Control Center Free software

 Video can be checked during centralized management of multiple cameras.

• Camera control enabled via GUI for image quality adjustment, pan, tilt, zoom, etc. Touch panel operations are supported.

- · Clicking the preset button attached to thumbnails enables simple recall of presets.
- Pan, tilt, zoom and other operations can also be controlled using game controllers made by other companies.

Software that converts PTZ camera on your network into Super Web cam

- PTZ Virtual USB Driver Free software
- Remote cameras on the network can be used as USB cameras for simple execution of web meetings with high image quality.
- · Camera control enabled via GUI for image quality adjustment, pan, tilt, zoom, etc. Touch panel operations are supported.
- Up to 5 cameras can be registered.
- Automatic detection of connected cameras and network settings enabled.

* For further information on the optional software, please see "Download/Software Download" on the Panasonic website https://pro-av.panasonic.net/>

Optional Products As of March, 2019 **Remote Camera Controller Remote Camera Controller** Live Production Center AW-RP150GJ AW-RP50*4*5 AV-HLC100* Terrer' **Control Assist Camera** Wireless remote control **Remote Operation Panel (ROP)** AW-HEA10W/K^{*4} AK-HRP1000GJ*4 AW-RM50G ("AA", "R6" or "LR6" battery x2 are not included. AK-HRP1005GJ*4

*4: Use may require a software version update.

*5: Some operation functions are restricted during connection with the AW-UE150W/K.

<About power supply> An AC adapter is not included with the AW-IJE150W/K An XLR4 pin 12 V capacity power supply is required to supply the rated power consumption (48 W) of this device.







^{*1:}Use may require a software version update

AW-RP150GJ

Remote Camera Controller

Power supply not included. An AC adaptor or PoE+ HUB is required.

Intuitive Camera Control for Ease of Use and One-Person Operation



A ZOOM/FOCUS rocker mounted on the joystick manages pan and tilt operations for zoom and focus control and intuitive single-handed operation. The built-in touch display allows for easy and quick operation of all essential camera functions.

Memory Card Slot

Color Adjustment Panasonic AW-RP150 CAMO 01 : AW-UE150 TALLY: DD



Rear View

- Iris

PoE+* support enables power supply via a LAN cable. Additionally, a dual system GPIO (general purpose input/output) terminal is equipped as standard.





About power supply> An AC adapter is not included with the AW-RP150GJ. An XLR4 pin 12 V capacity power supply is required to supply the rated power consumption (12 W) of this device.

Touch Panel GUI for High–Quality Operability and Visibility

The touch panel GUI monitor supports camera image display during shooting as well as a variety of operations. The panel is equipped only with buttons that are frequently used, with menu and camera switching operations, indicators and other functions consolidated in the touch panel GUI.



Touch Focus Function Equipped

The focus is quickly aligned to the area touched by tapping the screen. In addition, the Focus in Red display assists with aligning focus by framing the part that is in-focus in red.



Camera Settings Copied to Multiple Cameras

Scene files, system settings files and other camera settings can be saved on the AW-RP150GJ SD card. These settings can then be copied to multiple cameras via the SD card. This massively reduces on-location setup time when shooting at events with large numbers of cameras.



Smooth Creation of Cropped Images

The cropping function loaded on the AW-UE150W/K can be controlled from the AW-RP150GJ. Images output from the AW-UE150W/K to the monitor can be cropped in three different locations displayed with colored frames (yellow/ green/magenta), and fine-tuned with the joystick as you watch. Required images can be cropped precisely and simply.



his screen is a monitor output image. *The image is a composite

Preset Memory for Simple Camera Control

Registration of the camera angle and other remote camera settings allows them to be easily recalled from the touch panel GUI monitor. The movement speed for play back the preset memory can be set by the specified speed or time.

<Supported Presets>

•Pan and tilt position

•Focus position

- •Zoom position
- Lens aperture (manual iris only)
- •White balance settings •Gain

•Crop position coordinates

Tracing Memory for Memory and Recall of Camera Operations

The tracing memory function records a series of operation performed for the remote camera. Up to 5 minutes for 10 operations can be memorized for a single camera, and that trajectory can then be reproduced.

<Supported Presets>

- •Pan and tilt position
- Focus position
- White balance settings
- •Zoom position
- •Lens aperture (manual iris only) •Gain

Multiple-Camera Connection Supported for Large-Scale Systems

IP connection via a switching hub can be used to control up to 200 remote cameras. Up to 5 remote cameras can be controlled in a serial connection.



*2: Use may require a software version update.

Application Examples

Application 01: 4K Studio

Studio shooting of smooth, high-quality 4K 60p/50p*1 images

The AW-UE150W/K is capable of 4K 60p/50p*¹ output for high-quality remote shooting in studio operations where high image quality is required. A large tally lamp has been equipped to make on-air cameras easily identifiable, even from far away.



Application 02: Live Streaming

RTMP and NDI | HX support*2 enable streaming workflow to be optimized to the situation

Video being shot from a single camera can be uploaded directly from the AW-UE150W/K to a live-streaming service via RTMP. For multi-camera setups, use NDI|HX^{*2} to connect to the Live Production Center AV-HLC100^{*3}. Multiple AW-UE150W/K units can be controlled from the AV-HLC100^{*3} for smooth live streaming.





High-magnification zoom and wide-angle shooting ensure targets are captured clearly in large venues

The large 1.0-type MOS sensor enables high-sensitivity shooting with little noise in halls and other dark locations. The optical 20x zoom further ensures that even far-away targets shot in large venues are captured clearly. 75.1° horizontal wide-angle shooting allows incredible flexibility in shooting location while still being able to capture the entire shot.



- *1: Actual output format is UHD (3840 x 2160) 59.94p/50p.
- *2: Contact your Panasonic sales representative for further details.
- *3: Use may require a software version update. *4: AW-UE150W/K not supported.







*A computer is required for server connection settings



AW-UE150W/K Dimensions



AW-UE150W/K Bottom View



Unit: mm (inches)

AW-RP150GJ Dimensions

Unit: mm (inches)



The front panel of the unit on this side

Specifications

AW-UE150W/K

<GENERAL>

<gener.< th=""><th>AL></th><th></th></gener.<>	AL>	
Power Requ	irements:	12 V DC (10.8 V to 13.2 V)
PoE++:		IEEE802.3bt standard: DC 42 V to 57 V (Camera Input)
Current Consumption:		4.0 A (XLR IN connector), 1.2 A (PoE++ power supply)
Ambient Operating Temperature:		0 °C to 40 °C (32 °F to 104 °F)
Ambient Operating Humidity:		20 % to 90 % (no condensation)
Storage Ten	nperature:	-20 °C to 50 °C (-4 °F to 122 °F)
Mass:		Approx. 4.2 kg (9.24 lb) (excluding mount bracket)
Dimensions (W x H x D):		213 mm x 267 mm x 219 mm (8-3/8 inches x 10-1/2 inches x 8-5/8 inches) (excluding protrusions, direct ceiling mount bracket)
Finish:		AW-UE150WP/AW-UE150WE: Pearl white AW-UE150KP/AW-UE150KE: Black
Controller S	supported:	AW-RP150GJ, AW-RP50* ¹ , AK-HRP1000GJ* ¹ , AK-HRP1005GJ* ¹
<camera< td=""><td>Unit></td><td></td></camera<>	Unit>	
Imaging Se	nsors:	1-type 4K MOS×1
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)]
Zoom:		 Optical zoom: 20x i.Zoom: UHD 24x, FHD 32x Digital zoom: 10x
Conversion Lens:		Not supported
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)
Optical Filte	er:	Through, 1/4, 1/16, 1/64, IR through (IR through is used as "Night mode")
Focus:		Switching between auto and manual
Focus Dista	nce:	Entire zooming range: 1000 mm (3.3 ft) Wide end: 100 mm (0.33 ft)
Color Separatio	on Optical System:	1M0S
Standard Se	ensitivity:	F9, 2000 Ix (When normal mode is selected)
Minimum II	lumination:	2 lx (F2.8, 59.94p, 50IRE, 42 dB, without accumulation)
S/N:		60 dB or more
Horizontal I	Resolution:	1600 TV lines Typ (Center area)
Gain Select	ion:	Auto, 0 dB to 36 dB*2 Super Gain function equipped : 37 dB to 42 dB
Frame Mix*	3:	0 dB, 6 dB, 12 dB, 18 dB, 24 dB
Electronic	59.94p/59.94i	1/60, 1/100, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/8000, 1/1000
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
	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
	50p/50i	1/60, 1/100, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/8000, 1/1000
	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
Synchro Scan:	59.94p/59.94i	60.00 Hz to 7200 Hz
J.Cum	29.97p	30.00 Hz to 7200 Hz
	23.98p/24p	24.00 Hz to 7200 Hz
	50p/50i	50.00 Hz to 7200 Hz
	25p	25.00 Hz to 7200 Hz
Gamma:		HD / FILMLIKE1 / FILMLIKE2 / FILMLIKE3/ FILM REC / VIDEO REC / HLG
White Balar	nce:	ATW : 3200K, 5600K ATW Speed : Normal / Slow / Fast AWB : AWB-A / AWB-B VAR (selectable between 2000K and 15000K by designating a value)
Chroma Amo	unt Variability:	OFF, -99 % to 99 %
Scene File:		Scene1, Scene2, Scene3, Scene4
Output Format:	4K	2160/59.94p, 2160/50p, 2160/29.97p**, 2160/25p**, 2160/24p**, 2160/23.98p**
	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

		Internal / External synchronization (BBS / Tri-level sync)
<input/>		
Input Connector:		DC 12 V IN, G/L IN (BNC) • BBS (Black Burst Sync), tri-level sync supported
<outpu<sup>®</outpu<sup>	Т>	
Video Output:	HDMI	HDMI 2.0 standard 4:2:2/10bit • HDCP is not supported. • Viera Link is not supported.
	12G-SDI OUT	SMPTE 2082-1 standard / 75 Ω (BNC x 1)
	3G-SDI OUT	SMPTE292 / 75 Ω (BNC x 1) • Level-A/Level-B supported
	MONI OUT	SMPTE292 / 75 Ω (BNC x 1)
	Optical Fiber	SFP+ standardSingle FiberThe signal sent is the same as 12G-SDI OUT.This unit does not support input by optical signals.
<input <="" td=""/> <td>OUTPUT></td> <td></td>	OUTPUT>	
Input /	LAN	LAN connector for IP control (RJ-45)
Output Connector:	RS-422	CONTROL IN RS-422A (RJ-45)
	MIC/LINE input	 g 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: Approx40 dBV ± 3 dBV (o dB=1 V/Pa, 1 kH2) During LINE input Input level: Approx10 dBV ±3 dBV
<pan-til< td=""><td>t Head Unit</td><td>:></td></pan-til<>	t Head Unit	:>
Camera/Par Control:	i-tilt Head	 IP connecting cable LAN cable*** : (category 5e or above, straight cable / crossover cabl max. 100 m (328 ft)
		AW protocol connecting cable LAN cable* ⁶ (category 5e or above, straight cable) max. 1000 m (3280 ft)
Installation	Method:	Stand-alone (Desktop) or suspended (Hanging)*8
Pan/tilt Ope	ration Speed:	Minimum speed 0.08°/s Maximum speed 60°/s or higher*° • Maximum speed is 180°/s in high-speed mode
Panning Rai	nge:	±175°
Tilting rang	e:	-30° to 210°*10
Quietness:		NC35 or less
<suppor< td=""><td>ted operati</td><td>ng systems and web browsers*11></td></suppor<>	ted operati	ng systems and web browsers*11>
Supported operating systems and web	Windows	Microsoft® Windows® 7, 10 Windows® Internet Explorer® 11 (64-bit/32-bit) Microsoft Edge Google Chrome
browsers:	Mac	Mac OS 10.13, Mac OS 10.12, Mac OS 10.11, Safari 11, Google Chrome
browsers:		
browsers:	iPhone / iPad	iOS 11.4.1 Google Chrome
<ip stream<="" td=""><td></td><td></td></ip>		
<ip stream<="" td=""><td></td><td></td></ip>		
<ip streat<br="">Image Streat Image Reso</ip>	aming> uming Mode: lution:	Google Chrome JPEG (MJPEG), H.264, H.265 3840×2160, 1920×1080, 1280×720, 640×360, 320×180
<ip stream<="" td=""><td>aming> Iming Mode: Iution: Smission G):</td><td>Google Chrome JPEG (MJPEG), H.264, H.265</td></ip>	aming> Iming Mode: Iution: Smission G):	Google Chrome JPEG (MJPEG), H.264, H.265

Image Transmission	Frame Rate	Audio Compres
Setting (H.264):	[60H2] 5fps/15fps/30fps/60fps (UHD: 30fps, 60fps) [50H2] 5fps/12.5fps/25fps/50fps (UHD: 25fps, 50fps) ■ Max Bit Rate HD : 512kbps/768kbps/1024kbps/1536kbps/2048kbps/ 3072kbps/4096kbps/6144kbps/8192kbps/10240kbps/ 3072kbps/4096kbps/6144kbps/8192kbps/10240kbps/	Supported Prot Other Fur
	12288kbps/14336kbps/16384kbps/20480kbps/24576kbps/ 32768kbps/40960kbps/51200kbps/76800kbps	NDI support*12:
	UHD:12800kbps/25600kbps/51700kbps/76800kbps	Tally LED displa
Image Transmission Setting (H.265):	 Image Transmission Type: Unicast port (AUTO) Unicast port (MANUAL) Multicast port Frame Rate [60H2] 30fps [50H2] 25fps Max Bit Rate 8192kbps/12800kbps/25600kbps/51200kbps/76800kbps 	

Audio Compression Type:	AAC-LC, 48 kHz / 16 bit / 2ch
Supported Protocol:	 IPv6 : TCP / IP, UDP / IP, HTTP, HTTPS, DNS, NTP, DHCPv6, RTP, MLD, ICMP, ARP, RTMP IPv4 : TCP / IP, UDP / IP, HTTP, HTTPS, RTSP, RTP / RTCP, DHCP, DNS, DDNS, NTP, UPnP, IGMP, ICMP, ARP, RTMP
<other function=""></other>	
NDI support*12:	NDI HX

*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, 1080/25p, 1080/25.9

AW-RP150GJ

<GENERAL>

ents:	12 V DC (10.8 V to 13.2 V) IEEE802.3at standard: DC 42 V to 57 V (Camera Input)
	IEEE802.3at standard: DC 42 V to 57 V (Camera Input)
otion:	1.0 A (Connector Input) 0.6 A (PoE+ power supply)
mperature:	0 °C to 40 °C (32 °F to 104 °F)
ity:	20% to 90% (no condensation)
ture:	-20 °C to 50 °C (-4 °F to 122 °F)
	Approx. 3.2 kg (7.05 lb)
H x D):	342 mm x 178 mm x 245 mm (13-15/32 inches x 7 inches x 9-21/32 inches) (excluding protrusions)
S422	AW-UE150W/K, AW-HR140*', AW-HE130W/K*', AW-HN130W/K*', AW-UE70W/K*', AW-UN70W/K*', AW-HE40 Series*', AW-HN40HW/HK*', AW-HE38HW/HK*', AW-HN38HW/HK*'
	ity: ture: H x D):

<Input/Output Connectors>

Input:	DC 12 V IN	XLR 4-pin
	3G-SDI IN	SMPTE292 / 75 Ω (BNC x 1) Supported formats: 1080/59.94p*°, 1080/50p*°, 1080/59.94i, 1080/50i, 1080/23.98p, 1080/25p, 1080/23.98PsF, 1080/25PsF
Output:	ACTIVE THRU OUT	SMPTE292 / 75 Ω (BNC x 1)
Input/	IP CONT	100BASE-TX
Output:		PoE+ input
		Connection cable: LAN cable, max. 100 m (328 ft) • When connecting the unit via a switching hub: Straight cable or a cross cable (category 5 cable), STP (Shielded Twisted Pair) cable recommended • When connecting the unit directly: Crossover cable (category 5 cable), STP (Shielded Twisted Pair) cable recommended
	SERIAL CONT (RJ-45):	RS-422 (control signals for remote cameras), TALLY OUT
		Connecting cable: Straight cable (category 5e or better shielded cable), max. 1000 m (3280 ft)
		TALLY OUT: Open collector output (negative logic) Maximum voltage resistance DC 24 V, Maximum current 50 mA

Input/	TALLY/	D-sub 25-pin, female, inch thread
Output:	GPIO 1	TALLY IN : 10 inputs (for receiving photocoupler signals)
		GPI : 6 inputs (for receiving photocoupler signals) GPIO : 5 inputs (for receiving photocoupler signals) or 5 outputs (open collector outputs, negative logic) • Input/output switched with menu settings
	GPIO 2	D-sub 25-pin, female, inch thread
		GPI : 10 inputs (for receiving photocoupler signals) GPIO : 10 inputs (for receiving photocoupler signals) or 10 outputs (open collector outputs, negative logic) • Input/output switched with menu settings Reserve connectors: 2 connectors (For future expansion feature)
LCD Displa	y:	7-inch Touch Panel GUI Monitor (WVGA (800×480))
SD Memor	y Card Slot :	SDHC / SDXC Memory Card Slot x 1
<conne< td=""><td>ction Specif</td><td>Fications ></td></conne<>	ction Specif	Fications >
No. of Conn	ectable Cameras:	200 (IP), 5 (RS422)
No. of Camera	Selection Buttons:	10
No. of Carr	nera Groups:	20 (10 units per 1 group)
<memo< td=""><td>ry></td><td></td></memo<>	r y >	
Preset Memory:	No. of memory presets	100
Tracing	No. of cameras	Cam1 to Cam10
N A		
Memory:	Recording time, no. of memory settings	
,	no. of memory	
<0ther	no. of memory settings	
< Other No. of User A	no. of memory settings	Maximum 5 min. total per camera, maximum of 10 settings per camera 6 + up to 10 on the LCD menu

*2: Level-A support only.



Third-Party Inquiries •<Finisar Corporation> https://www.finisar.com/how-buy

•<AJA Video Systems, Inc.> TEL: +1-530-274-2048 MAIL: Sales@aja.com https://www.aja.com/where-to-buy

- •<Blackmagic Design> TEL: +61 3 9682 4770 https://www.blackmagicdesign.com/company
 - •<GeoVision Inc.> TEL: +886-2-8797-8376 MAIL: sales@geovision.com.tw

•<PLANET Technology Corp.> https://www.planet.com.tw/en MAIL: sales@planet.com.tw

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Factories of AVC Networks Company have received ISO14001:2004-the Environmental Management System certification. (Except for 3rd party's peripherals.)



For more information, please visit Panasonic web site https://pro-av.panasonic.net/en/qr/







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