

**AW-HE145W** [White Model]

**AW-HE145K** [Black Model]

Full-HD Integrated Camera For Indoor Use



## HD remote camera that enables high-quality video production even in dark environments

### High Sensitivity Achieved with the 1" Large-sized Sensor

Equipped with a high sensitivity 1" large-sized sensor to achieve quality shooting even with dark scenes. Optimal for recording stage events with low light intensity.

### Optical 20x Zoom/Horizontal 75.1° Wide-angle Shooting

Equipped with an optical 20x zoom, horizontal 75.1° wide-angle lens, and is compatible with a wide range of installation environments.

### Pan/tilt Performance that Achieves Smooth and Accurate Operation

The mechanism of the high-end models has been adopted for the pan/tilt operating mechanism. A smooth and accurate pan/tilt performance is realized, supporting high-level video production.



**SRTALLIANCE**  
SECURE RELIABLE TRANSPORT

# Various features that meet high shooting demands

## High-Quality Full-HD60p/50p Shooting

Full-HD output and 59.94p/50p shooting achieve extremely smooth video, even in live sports and other environments containing rapid movement.

## Multiple Interfaces Supported

A wide range of outputs are supported: 3G-SDI, HDMI and IP.

### • Rear View



\* Abbreviation of Power over Ethernet Plus Plus. Conforms to IEEE802.3bt.

## SRT\*1 support for stable video transmission over public lines\*2



SRT, a next-generation video transmission protocol with strong security suitable for unstable network environments, is supported.

\*1: SRT: Secure Reliable Transport.

\*2: Use may require a software version update.

## Useful Software for Simplifies Workflow

Compatible with a wide range of software, including the Auto Tracking Software Key and PTZ Control Center. This software will simplify the workflow of the PTZ camera shooting and reduces the burden of operation and management.

## Other Features

- HDR (HLG) Support
- Night Mode Support
- Adaptive Matrix prevents color overloaded from blue LEDs
- Optical Image Stabilizer (OIS) Loaded
- Equipped with a Large Tally Lamp
- JPEG Image Saving Function Equipped
- NDI | HX Compatibility for Excellent Video Streaming Quality\*
- Direct Broadcast via RTMP (Real-Time Messaging Protocol)
- AW-RP150GJ Connection for Large-Scale Production Systems
- Controlled by Web UI

\* Need to activate.

## AW-HE145W/K Specifications\*1

General		
Power Requirements	12 V DC [10.8 V to 13.2 V]	
PoE++	IEEE802.3bt: DC 42 V to 57 V (camera input)	
Current Consumption	4.0 A (XLR IN connector), 1.2 A [PoE++ power supply]	
Weight	Approx. 4.1 kg [9.04 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)	
Camera Unit		
Imaging Sensors	1-type Full-HD MOSx1	
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: FHD 32x • Digital zoom: 10x	
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]	
Horizontal Resolution	1,000 TV lines Typ [Center area]	
Output Format	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	
Output		
HDMI	HDMI 2.0 standard, 4:2:2/10bit	
3G-SDI OUT	SMPTE292 / 75 Ω [BNC x 1]	
Input/Output		
LAN	LAN connector for IP control [RJ-45]	
RS-422	CONTROL IN RS-422A [RJ-45]	
MIC/LINE input	AAC compatible [compatible with IP only], ø 3.5 mm stereo mini jack, Input impedance: Approx. 10 kΩ [unbalanced]	
	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 [0 dB=1 V/Pa, 1 kHz]
	During LINE input	Input level: Approx. -10 dBV
Pan-tilt Head Unit		
Panning Range	±175°	
Tilting range	-30° to 210°*4	
IP Streaming		
Image Streaming Mode	JPEG [MJPEG], H.264, H.265	
Image Resolution	1920x1080, 1280x720, 640x360, 320x180	
Image Transmission Setting		
NDI HX	Transmission Type	Unicast port [AUTO] Unicast port [MANUAL] Multicast port
	Frame Rate	[60Hz] 60fps / 30fps / 15fps / 5fps [50Hz] 50fps / 25fps / 12.5fps / 5fps
	Max Bit Rate	24576kbps / 20480kbps / 16384kbps / 14336kbps / 12288kbps / 10240kbps / 8192kbps / 6144kbps / 4096kbp / 3072kbps / 2048kbps / 1536kbps / 1024kbps / 768kbps / 512kbps
SRT H.264	Transmission Type	Unicast port [AUTO] Unicast port [MANUAL] Multicast port
	Frame Rate	[60Hz] 60fps / 30fps / 15fps / 5fps [50Hz] 50fps / 25fps / 12.5fps / 5fps
	Max Bit Rate	24576kbps / 20480kbps / 16384kbps / 14336kbps / 12288kbps / 10240kbps / 8192kbps / 6144kbps / 4096kbp / 3072kbps / 2048kbps / 1536kbps / 1024kbps / 768kbps / 512kbps
SRT H.265	Transmission Type	Unicast port [AUTO] Unicast port [MANUAL] Multicast port
	Frame Rate	[60Hz] 60fps / 30fps [50Hz] 50fps / 25fps
	Max Bit Rate	24576kbps / 20480kbps / 16384kbps / 14336kbps / 12288kbps / 10240kbps / 8192kbps / 6144kbps / 4096kbp / 3072kbps / 2048kbps / 1536kbps / 1024kbps / 768kbps / 512kbps

\*1: For more information about the specifications please visit the website. \*2: Native output. \*3: It denotes "1080/23.98p over 59.94i".

\*4: Depending on the pan or tilt position, the camera may be reflected in the image.

• Product specifications are subject to change without notice.

# Panasonic®

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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



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