Panasonic CONNECT

HD PTZ 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

SRT[1] support for stable video transmission over public lines

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

1: SRT: Secure Reliable Transport.

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[1]
- Direct Broadcast via RTMP (Real-Time Messaging Protocol)
- AW-RP150GJ Connection for Large-Scale Production Systems
- Controlled by Web UI

1: Need to activate.

Accessories

Remote Camera Controller
AW-RP150
High operability ensured through touch-panel GUI monitor and a new type of joystick.
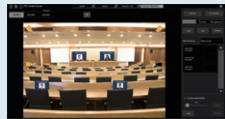

Remote Camera Controller
AW-RP60
Equipped with a GUI menu screen for clear visibility and a joystick for intuitive control.

Auto Tracking Software Key
AW-SF100/AW-SF200
Face Recognition and Human Body Detection for High Precision and Smooth Tracking Control for Natural-looking Video.

Visual Preset Software Key
AW-SF300
GUI screen that enables the subject of multiple PTZ Cameras to be switched with a single click of an icon.

• NDI® is a new protocol developed by NewTek, Inc. that supports IP video production workflow. NDI® is a registered trademark of NewTek, Inc. in the United States and other countries. In this instance, NDI®|HX is used to indicate high efficiency low bandwidth NDI®|HX.

Panasonic®

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UKAS MANAGEMENT SYSTEMS
EC98J2010   0051

Factories of Panasonic Connect Co., Ltd. have received ISO14001:2015-the Environmental Management System certification. (Except for 3rd party's peripherals.)

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
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	
Effective Pixels	20.18 million pixels
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	SMPTE292M, 424M / 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 / 4096kbps / 3072kbpss / 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 / 4096kbps / 3072kbpss / 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 / 4096kbps / 3072kbpss / 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.

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

Broadcast and Professional AV Website   **Contact Information**   **Facebook**   **Mobile App**