



## Video Output via 3G-SDI and IP Streaming Transmission

### AW-HE130

PTZ camera capable of production quality Full HD video output up to 1080/60p via IP transmission, in addition to 3G-SDI and HDMI. Equipped with three 1/2.86 MOS sensors for high sensitivity, a superior S/N ratio and high resolution.

#### Key Features

1/2.86-type three MOS sensors

Optical Image Stabilizer, Night Mode & Fan-Less Design

1.4x Extender Zoom

HD-IP Streaming

PoE+ support & one cable operation (power supply, control & video output)

PROFESSIONAL PARTNER LEVEL



## AW-HE130

<https://eu.connect.panasonic.com/pl/en/products/broadcast-proav/aw-he130>

### General

<b>Power Requirements</b>	DC 12 V (AC adaptor supplied) DC 42 - 57 V (PoE+ power supply) 1.8 A (AC adaptor supplied) 0.6 A (PoE+ power supply)
<b>Ambient Operating Temperature</b>	0 °C to 40 °C (32 °F to 104 °F)
<b>Allowable Humidity Ranges</b>	20 % to 90 % (no condensation)
<b>Storage Temperature</b>	-20 °C to 50 °C (-4 °F to 122 °F)
<b>Mass</b>	Approx. 3.1 kg (6.83 lb) [Including mount bracket]
<b>Dimensions (W x H x D)</b>	180 mm x 228 mm x 234 mm (7-3/32 inches x 9 inches x 9-3/16 inches)  (excluding protrusions, cable cover, direct ceiling mount bracket)
<b>Finish</b>	AW-HE130WP/AW-HE130WE: Pearl white  AW-HE130KP/AW-HE130KE: Metallic black
<b>Controller Supported*1</b>	AW-RP120G, AW-RP50, AK-HRP200G
<b>Camera Unit</b>	
<b>Imaging Sensors</b>	1/2.86-type Full-HD 3MOS
<b>Lens</b>	Motorized 20 zoom, F1.6 to F3.4  (f=4.5 mm to 90 mm; 35 mm equivalent: 32.13 mm to 642.5 mm)
<b>Focus</b>	Switching between auto and manual
<b>Focus Distance</b>	Entire zooming range: 800 mm (2.62 ft)  Wide end: 400 mm (1.31 ft)
<b>Color Separation Optical System</b>	3MOS
<b>Minimum Illumination</b>	2 lx (50 IRE, F1.6, 36 dB)
<b>Horizontal Resolution</b>	1000 TV lines Typ (Center area)
<b>Gain Selection</b>	Auto, 0 dB to 36 dB
<b>Frame Mix*2</b>	0 dB, 6 dB, 12 dB, 18 dB, 24 dB
<b>Electronic Shutter Speed</b>	59.94p/59.94i: 1/100, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000  29.97p: 1/30, 1/60, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000  23.98p: 1/24, 1/60, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000  50p/50i: 1/60, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000  25p: 1/25, 1/60, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000
<b>Synchro Scan</b>	59.94 Hz: 60.15 Hz to 642.21 Hz  50 Hz: 50.15 Hz to 535.71 Hz
<b>Gamma</b>	HD, SD, FILMLIKE1, FILMLIKE2, FILMLIKE3  0.30 to 0.75 (Manual setting)
<b>White Balance</b>	AWB A, AWB B, ATW, 3200K, 5600K, VAR (2000K to 15000K)
<b>Chroma Amount Variability</b>	OFF, -99 % to 40 %
<b>Scene File</b>	Scene1, Scene2, Scene3, Scene4
<b>Input Connector</b>	DC 12 V IN, G/L IN (BNC)  • BBS (Black Burst Sync), tri-level sync supported  • Locking to a color subcarrier is not possible with BBS.  PoE+ (IEEE802.3at standard)
<b>Output</b>	
<b>Video Output</b>	HDMI: HDMI connector  • HDCP is not supported.  • Viera Link is not supported.  HD/SD-SDI OUT: SMPTE424/SMPTE292/SMPTE259 standards 75 Ω (BNC x 1)  VIDEO OUT: NTSC/PAL 1.0 V [p-p]/75 Ω (BNC x 1)
<b>Input/Output</b>	

<b>Input/Output Connector</b>	<p>LAN: LAN connector for IP control (RJ-45), PoE+</p> <p>RS-422: CONTROL IN RS-422A (RJ-45)</p> <p>MIC/LINE input: ø3.5 mm stereo mini jack Input impedance: High impedance</p> <ul style="list-style-type: none"> <li>• During MIC input Supported mic: Stereo mic</li> </ul> <p>(plug-in power, on/off switching via menu)</p> <ul style="list-style-type: none"> <li>• Supply voltage: 2.5 V ± 0.5 V</li> </ul> <p>Mic input sensitivity: Approx. -40 dBV ± 3 dBV (0 dB=1 V/Pa, 1 kHz)</p> <ul style="list-style-type: none"> <li>• During LINE input</li> </ul> <p>Input level: Approx. -10 dBV ±3 dBV</p>
<b>Pan-Tilt Head Unit</b>	
<b>Installation Method</b>	Stand-alone (Desktop) or suspended (Hanging)*3
<b>Camera/Pan-Tilt Head Control</b>	<p>IP connecting cable</p> <ul style="list-style-type: none"> <li>• When connecting through a PoE+ hub:</li> </ul> <p>LAN cable*4 (category 5e or above, straight cable), max. 100 m (328 ft)</p> <ul style="list-style-type: none"> <li>• When a PoE+ hub is not used:</li> </ul> <p>LAN cable*4 (category 5 or above, crossover cable) max.100 m (328 ft)</p> <p>RP connecting Cable</p> <p>LAN cable*4 (category 5 or above, straight cable), max. 1000 m (3280 ft)</p> <p>RS-422A, AW series protocol</p>
<b>Pan-Tilt Operation Speed</b>	0.08°/s to 60°/s
<b>Panning Range</b>	±175°
<b>Tilting Range*7</b>	-30° to 210°*5
<b>Quietness</b>	NC35 or less
<b>Standard Accessories</b>	Mount bracket for installation surface (Hanging*6 / Desktop): 1, Drop-prevention wire: 1, Drop-prevention wire mounting screw (comes attached to the unit): 1, Bracket mounting screws (bind-head) M4 x 10 mm: 4, Main unit mounting screw (with flat washer,spring washer) M3 x 6 mm: 1, Cable cover: 1, Power cable: 1, AC adaptor: 1, CD-ROM
<b>Note</b>	<p>*1: It may be necessary to upgrade the version of the controller in order to support the unit. For details on upgrading, visit the support page on the following website. <a href="http://pro-av.panasonic.net/">http://pro-av.panasonic.net/</a></p> <p>*2: This cannot be configured when the format is 1080/29.97p, 1080/23.98p, 1080/29.97PsF 1080/23.98PsF, 1080/25p, or 1080/25PsF.</p> <p>*3: To ensure safety, the unit must be secured using the mount bracket supplied.</p> <p>*4: Use of an STP (shielded twisted pair) cable is recommended.</p> <p>*5: Depending on the pan or tilt position, the camera may be reflected in the image.</p> <p>*6: To ensure more safety, AW-HE130W/K can be secured by using the direct ceiling mount bracket (WW-Q105A).</p>