

## AW-HE145

Une caméra robotisée HD permettant d'obtenir des images de haute qualité, même dans des environnements sombres.



### KEY FEATURES

- Haute sensibilité grâce au capteur grand format de type 1 pouce
- Zoom optique 20 x / prise de vue grand angle 75,1 °
- Mouvements PTZ fluides et précis
- Production vidéo de haute qualité, même dans des environnements sombres
- Prise en charge du SRT pour une transmission vidéo stable

#### Prise de vue Full HD 50p de haute qualité

Sortie Full HD et prise de vue 50p pour un rendu particulièrement fluide, même pour les évènements sportifs, lors desquels la caméra doit capturer des mouvements rapides.



**SRT**  
SECURE  
RELIABLE  
TRANSPORT

#### **Prise en charge du SRT pour une transmission vidéo stable sur les réseaux publics**

La caméra prend en charge le SRT, un protocole de transmission vidéo nouvelle génération hautement sécurisé et adapté aux réseaux instables.

#### **Prise en charge d'interfaces multiples**

La caméra prend en charge de nombreuses sorties : 3G-SDI, HDMI et IP.



#### **Des logiciels utiles pour simplifier les workflows**

La caméra est compatible avec une large gamme de logiciels, comme PTZ Control Center et le logiciel de suivi automatique Panasonic. Ces logiciels simplifient la prise de vue de la caméra PTZ et limitent les contraintes d'exploitation et de gestion.



## SPECIFICATIONS

<b>Power Requirements</b>	12 V DC (10.8 V to 13.2 V), DC 42 V to 57 V (Camera Input, PoE++ power supply)
<b>Current Consumption</b>	4.0 A (XLR IN connector), 1.2 A (PoE++ power supply)
<b>Ambient Operating Temperature</b>	0 °C to 40 °C (32 °F to 104 °F)
<b>Ambient Operating Humidity</b>	20 % to 90 % (no condensation)
<b>Storage Temperature</b>	-20 °C to 50 °C (-4 °F to 122 °F)
<b>Mass</b>	Approx. 4.1 kg (9.04 lb) (excluding mount bracket)
<b>Dimensions (W x H x D)</b>	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)
<b>Finish</b>	AW-HE145W: Pearl white AW-HE145K: Metallic Black
<b>Controller Supported</b>	AW-RP150, AW-RP60, AK-HRP1000GJ, AK-HRP1015GJ, AK-HRP250GJ*1
<b>Imaging Sensors</b>	1-type Full-HD MOSx1
<b>Lens</b>	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)]
<b>Zoom</b>	<ul style="list-style-type: none"> <li>• Optical zoom: 20x</li> <li>• i.Zoom: FHD 32x</li> <li>• Digital zoom: 10x</li> </ul>
<b>Conversion Lens</b>	Not supported
<b>Angle of View Range</b>	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)
<b>Optical Filter</b>	Through, 1/4, 1/16, 1/64, IR through (IR through is used as "Night mode")
<b>Focus</b>	Switching between auto and manual
<b>Focus Distance</b>	Entire zooming range: 1000 mm (3.3 ft) Wide end: 100 mm (0.33 ft)
<b>Color Separation Optical System</b>	1MOS
<b>Standard Sensitivity</b>	F9, 2000 lx (When normal mode is selected)
<b>Minimum Illumination</b>	2 lx (F2.8, 59.94p, 50IRE, 42 dB, without accumulation)
<b>Horizontal Resolution</b>	1000 TV lines Typ (Center area)
<b>Gain Selection</b>	Auto, 0 dB to 36 dB*2 Super Gain function equipped : +37 dB to 42 dB
<b>Frame Mix*3</b>	0 dB, 6 dB, 12 dB, 18 dB, 24 dB
<b>Electronic Shutter Speed</b>	59.94p/59.94i: 1/60, 1/100, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/8000, 1/10000 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, 1/10000 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
<b>Synchro Scan</b>	59.94p/59.94i: 60.00 Hz to 7200 Hz 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
<b>Gamma</b>	HD / FILMLIKE1 / FILMLIKE2 / FILMLIKE3 / FILM REC / VIDEO REC / HLG
<b>White Balance</b>	ATW : 3200K, 5600K ATW Speed : Normal / Slow / Fast AWB : AWB-A / AWB-B VAR (selectable between 2000K and 15000K by designating a value)
<b>Chroma Amount Variability</b>	OFF, -99 % to 99 %

<b>Scene File</b>	Scene1, Scene2, Scene3, Scene4
<b>Output Format</b>	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
<b>Synchronization System</b>	Internal/External synchronization (BBS/Tri-level sync)
<b>Input Connector</b>	DC 12 V IN, G/L IN (BNC) • BBS (Black Burst Sync), tri-level sync supported
<b>Video Output</b>	HDMI HDMI 2.0 standard 4:2:2/10bit • HDCP is not supported. • Viera Link is not supported.  3G-SDI OUT SMPTE292 / 75 Ω (BNC x 1) • Level-A/Level-B supported
<b>Input/Output Connector</b>	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
<b>Camera/Pan-Tilt Head Control</b>	IP connecting cable: LAN cable*6: (category 5e or above, straight cable), max. 100 m (328 ft)  AW protocol connecting cable: LAN cable*6: (category 5e or above, straight cable), max. 1000 m (3280 ft)
<b>Installation Method</b>	Stand-alone (Desktop) or suspended (Hanging)*7
<b>Pan/Tilt Operation Speed</b>	Minimum speed 0.08°/s Maximum speed 60°/s or higher*8 • Maximum speed is 180°/s in high-speed mode
<b>Panning Range</b>	±175°
<b>Tilting Range</b>	-30° to 210°*9
<b>Quietness</b>	NC35 or less
<b>Supported operating systems and web browsers</b>	Windows Microsoft(R) Windows(R) 10 Windows(R) Internet Explorer(R) 11 (64-bit/32-bit) Microsoft Edge Google Chrome  Mac MacOS v11.0.1 / Safari 14.01 MacOS v11.0.1 / Google Chrome MacOS V10.15 / Google Chrome MacOS V10.14 / Google Chrome  iPhone / iPad iOS Google Chrome
<b>Image Streaming Mode</b>	JPEG (MJPEG), H.264, H.265
<b>Image Transmission Setting</b>	JPEG Frame Rate: Maximum 30 fps, Image quality (Fine / Normal)  H.264 Transmission Type: Unicast port (AUTO), Unicast port (MANUAL), Multicast port Transmission Priority: Constant bit rate, Frame rate, Best effort 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 / 3072kbpss / 2048kbps / 1536kbps / 1024kbps / 768kbps / 512kbps

	<p>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 / 3072kbps / 2048kbps / 1536kbps / 1024kbps / 768kbps / 512kbps</p> <p>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 / 3072kbps / 2048kbps / 1536kbps / 1024kbps / 768kbps / 512kbps</p> <p>SRT H.264 Transmission Type: UDP Unicast Only 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 / 3072kbps / 2048kbps / 1536kbps / 1024kbps / 768kbps / 512kbps</p> <p>SRT H.265 Transmission Type: UDP Unicast Only 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 / 3072kbps / 2048kbps / 1536kbps / 1024kbps / 768kbps / 512kbps</p> <p>RTMP/RTMPS Frame Rate: [60Hz] 60fps / 30fps / 15fps / 5fps, [50Hz] 50fps / 25fps / 12.5fps / 5fps, [24Hz] 24fps Max Bit Rate: 24576kbps / 20480kbps / 16384kbps / 14336kbps / 12288kbps / 10240kbps / 8192kbps / 6144kbps / 4096kbps / 3072kbps / 2048kbps / 1536kbps / 1024kbps / 768kbps / 512kbps</p>
<b>Audio Compression Type</b>	AAC-LC, 48 kHz / 16 bit / 2ch
<b>Supported Protocol</b>	IPv6: TCP / IP, UDP / IP, HTTP, HTTPS, DNS, NTP, DHCPv6, MLD, ICMP, ARP, RTSP/RTP IPv4: TCP / IP, UDP / IP, HTTP, HTTPS, RTSP/RTP, DHCP, DNS, DDNS, NTP, IGMP, ICMP, ARP, RTMP, RTMPS, SRT, MPEG2-TS over UDP
<b>NDI Support*11</b>	NDI   HX
<b>Tally LED display color</b>	red / green
<b>Note</b>	<p>*1: Available in September 2021. *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: To ensure safety, the unit must be secured using the mount bracket supplied. *8: Quietness, stationary accuracy, etc., in high-speed mode may vary from normal mode. *9: Depending on the pan or tilt position, the camera may be reflected in the image. *10: Supported OS indicated are for browsers current as of October 2018. See Service and Support (<a href="https://www.pass.panasonic.co.jp/p2ui/guest/TopLogin.do?lang=en&amp;category=pav">https://www.pass.panasonic.co.jp/p2ui/guest/TopLogin.do?lang=en&amp;category=pav</a>) for the latest information on browser support. *11: Contact your local Panasonic vendor for further information.</p>

URL: <https://business.panasonic.fr/camera-professionnelle/aw-he145>

## CONTACT

Web: <https://business.panasonic.fr/camera-professionnelle/contact-us>