Panasonic CONNECT

## Caméra à distance haute résolution

# AW-HE40S

Caméra Full HD avec tête robotisée intégrée

**Key Features**

- Zoom optique 30× (zoom numérique 10× + extenseur de zoom numérique)
- Vaste plage dynamique
- Sortie vidéo : HD-SDI
- Prise en charge PoE+
- La connexion IP permet de contrôler jusqu'à 100 unités AW-HE40H/S à l'aide du AW-RP50E et la fonctionnalité de sortie d'images IP permet de surveiller les images avec une connexion IP à l'aide d'un ordinateur

PROFESSIONAL PARTNER LEVEL PROFESSIONAL PARTNER LEVEL

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# AW-HE40S

https://eu.connect.panasonic.com/be/fr/broadcast-proav/aw-he40s

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| **General -> Power Requirements** | DC 12 V (Supplied AC adaptor), DC 42 V to 57 V (PoE+ power supply) |
| **General -> Current Consumption** | 1.2 A (Supplied AC adaptor), 0.4 A (PoE+ power supply) |
| **General -> Ambient Operating Temperature** | 0 °C to 40 °C (32 °F to 104 °F) |
| **General -> Ambient Operating Humidity** | 20 % to 90 % (no condensation) |
| **General -> Storage Temperature** | -20 °C to 50 °C (-4 °F to 122 °F) |
| **General -> Weight** | Approx. 1.5 kg (3.30 lb) |
| **General -> Dimensions** | W 160 mm x H 186 mm x D 166 mm<br><br>(6-5/16 inches x 7-41/128 inches x 6-17/32 inches)<br><br>(excluding protrusions, direct ceiling mount bracket) |
| **General -> Finish** | AW-HE40SW: Pearl white<br><br>AW-HE40SK: Metallic black |
| **General -> Controller Supported** *1 | See the "Compatibility Chart for Operation Devices and Application Software" page |
| **Camera Unit -> Imaging Sensor** | 1/2.3-type MOSx1 |
| **Camera Unit -> Lens** | Optical 30x zoom, F1.6 to F4.7<br><br>[f=4.3 mm (11/64 inches) to 129 mm (5-5/64 inches);<br><br>35 mm (1-3/8 inches) equivalent: 31.6 mm (1-31/128 inches) to 962.0 mm (37-7/8 inches)] |
| **Camera Unit -> Focus** | Switching between auto and manual |
| **Camera Unit -> Focus Distance** | Entire zooming range: 1.2 m (3.94 ft)<br><br>Wide end: 10 cm (0.33 ft) |
| **Camera Unit -> Color Separation Optical System** | On-chip color filter system |
| **Camera Unit -> Minimum Illumination -> 59.94Hz** | 0.7 lx (50 IRE, F1.6, 48 dB, 1/60 without accumulation)<br><br>0.35 lx (50 IRE, F1.6, 48 dB, 1/30 with accumulation [Frame Mix 6 dB]) |
| **Camera Unit -> Minimum Illumination -> 50Hz** | 0.7 lx (50 IRE, F1.6, 48 dB, 1/50 without accumulation)<br><br>0.35 lx (50 IRE, F1.6, 48 dB, 1/25 with accumulation [Frame Mix 6 dB]) |
| **Camera Unit -> Horizontal Resolution -> HD** | 1000 TV lines Typ (Center area) |
| **Camera Unit -> Gain Selection** | Auto, 0 dB to 48 dB (3 dB steps) |
| **Camera Unit -> Frame Mix** *3 | Auto, Off, 6 dB, 12 dB, 18 dB, 24 dB |
| **Camera Unit -> Electronic Shutter Speed -> FullAuto** | 1/30 to 1/2000 [59.94 Hz]<br><br>1/25 to 1/2000 [50 Hz] |
| **Camera Unit -> Electronic Shutter Speed -> Auto** | 1/60 to 1/2000 [59.94 Hz]<br><br>1/50 to 1/2000 [50 Hz] |
| **Camera Unit -> Electronic Shutter Speed -> Manual** | 1/100, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000 [59.94 Hz]<br><br>1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000 [ 50Hz ] |
| **Camera Unit -> Synchro Scan -> 59.94Hz** | 59.94 Hz to 660.09 Hz (255 steps) |
| **Camera Unit -> Synchro Scan -> 50Hz** | 50.00 Hz to 570.12 Hz (255 steps) |
| **Camera Unit -> Gamma** | Off, Normal (Low, Mid, High), Cinema |
| **Camera Unit -> White Balance** | ATW, AWB A, AWB B, 3200K, 5600K, VAR (2400K to 9900K) |
| **Camera Unit -> Chroma Amount Variability** | ±3 steps |
| **Camera Unit -> Scene File** | Full Auto, Manual1, Manual2, Manual3 |
| **Camera Unit -> Color Bar** *9 | FULL BAR |
| **Synchronization System** | Internal synchronization |
| **Input Connector -> DC IN** | DC 12 V IN, PoE+ (IEEE802.3at standard) |

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| **Input Connector -> AUDIO INPUT -> Stereo Mini Jack** | Stereo mini-jack (ø3.5 mm)<br><br>Input impedance: Approx. 2 kΩ (unbalanced)<br><br>Mic input<br><br>• Supported microphones: Stereo mic (plug-in power, on/off switching via menu)<br><br>• Supplied voltage: 2.5 V ± 0.5 V<br><br>• Mic input level: -60 dBV ± 3 dBV<br><br>Line input<br><br>• Input level: -10 dBV ± 3 dBV |
| **Output Connector -> HD-SDI** | Compliant with the SMPTE292M<br><br>standards/75 (BNC x 1) |
| **Input/Output Connector -> LAN** | LAN connector for IP control (RJ-45),<br><br>PoE+ Equipped with straight/crossover cable auto detection function |
| **Input/Output Connector -> RS-232C** | Mini DIN 8-pin (IN), Mini DIN 8-pin (OUT) |
| **Input/Output Connector -> RS-422** | CONTROL IN RS422A (RJ-45) |
| **Input/Output Connector -> USB** | Mini-B port (Used for maintenance) |
| **Input/Output Connector -> SD Card** | microSD card slot (Used for maintenance) |
| **Input/Output Connector -> MIC/LINE Input** | Stereo mini-jack (ø3.5 mm)<br><br>Input impedance: Approx. 2 kΩ (unbalanced)<br><br>Mic input<br><br>• Supported microphones: Stereo mic (plug-in power, on/off switching via menu)<br><br>• Supplied voltage: 2.5 V ± 0.5 V<br><br>• Mic input level: -60 dBV ± 3 dBV<br><br>Line input<br><br>• Input level: -10 dBV ± 3 dBV |
| **USB Connection -> Video Output** *4 | USB Video Class Ver1.0 |
| **USB Connection -> Video Compression Format** *4 | Motion JPEG |
| **USB Connection -> Resolution** *4 | 1920 x 1080, 1280 x 720, 640 x 360 |
| **USB Connection -> Frame Rate** *4 | max 30 fps (System frequency 59.94 Hz), max 25 fps (System frequency 50 Hz) |
| **USB Connection -> Audio Output** *4 | USB Audio Class Ver1.0 |
| **USB Connection -> Audio Compression Format** *4 | Linear PCM, 48 kHz, 16-bit, 2 channels |
| **USB Connection -> Supported Models** *4 | Devices standardly equipped with a USB 2.0 compatible port |
| **Pan-tilt Head Unit -> IP connecting cable** | • When connecting through a PoE+ hub: LAN cable *7(category 5e or above), max. 100 m (328 ft)<br><br>• When a PoE+ hub is not used: LAN cable *7(category 5 or above) max.100 m (328 ft) |
| **Pan-tilt Head Unit -> AW protocol connecting cable** | • LAN cable *7(category 5 or above, straight cable), max. 1000 m (3280 ft) |
| **Pan-tilt Head Unit -> Standard Protocol Connecting Cable** | Mini DIN 8-pin cable, male |
| **Pan-tilt Head Unit -> Installation Method** | Stand-alone (Desktop) or suspended (Hanging) *5 |
| **Pan-tilt Head Unit -> Pan/tilt Operation Speed** | Maximum speed during preset: 300°/s, Maximum speed during manual: 90°/s |
| **Pan-tilt Head Unit -> Panning Range** | ±175° |
| **Pan-tilt Head Unit -> Tilting range** | -30° to 90° *6 |
| **Pan-tilt Head Unit -> Quietness** | During preset: NC40 or less<br><br>During manual: NC35 or less |

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| **SD Card Recording -> SD Card Recording** | MPEG-4 AVC file standard compliant (.MP4) |
| **SD Card Recording -> SD Card Type** | micro SDHC (4 GB to 32 GB), micro SDXC (64 GB to 128 GB), Speed class 10 or higher |
| **SD Card Recording -> System Frequency** | 59.94 Hz/50 Hz |
| **SD Card Recording -> Video Compression Format** | MPEG-4 AVC/H.264 High Profile |
| **SD Card Recording -> Audio Compression Format** | AAC-LC (48 kHz, 16 bit, 2 ch, 128 kbps) |
| **SD Card Recording -> Recording Format -> 59.94Hz** | 1920 x 1080/59.94p, 1920 x 1080/50p,<br>1920 x 1080/29.97p, 1920 x 1080/25p,<br>1280 x 720/59.94p, 1280 x 720/50p,<br>1280 x 720/29.97p, 1280 x 720/25p |
| **SD Card Recording -> Recording Format -> 50Hz** | 1920 x 1080/59.94p, 1920 x 1080/50p,<br>1920 x 1080/29.97p, 1920 x 1080/25p,<br>1280 x 720/59.94p, 1280 x 720/50p,<br>1280 x 720/29.97p, 1280 x 720/25p |
| **Network -> Resolution -> JPEG** | VGA (640 x 360), QVGA (320 x 180) max.30 fps 1920 x 1080, 1280 x 720, 640 x 360, 320 x 180 max.30 fps |
| **Network -> Resolution -> H.264** | 1920 x 1080, 1280 x 720, 640 x 360, 320 x 180 max.60 fps |
| **Network -> Supported Protocol -> IPv4** | TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP, FTP, DHCP, DNS, NTP, IGMP, UPnP, ICMP, ARP, RTSPoverTCP, RTSPoverHTTP, SSL (TLS), MultiCast/UniCast |
| **Network -> Supported Protocol -> IPv6** | TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP, FTP, DHCPv6, DNS, NTP, ICMPv6 (MLD), RTSPoverTCP, RTSPoverHTTP, SSL (TLS), MultiCast/UniCast |
| **Network -> iOS, Android Support** | JPEG image display |

**Footnote Description**

1. It may be necessary to upgrade the version of the controller so that the controller will support the unit.
2. During Auto, 6 dB to 48 dB (6 dB steps) are available for AGC Max Gain setting.
3. During Auto, 0 dB, 6 dB, 12 dB and 18dB are available for Auto F. Mix Max Gain setting.
4. This may vary depending on the operating environment.
5. To ensure safety, the unit must be secured using the mount bracket supplied.
6. Depending on the pan or tilt position, the camera may be reflected in the image.
7. Use of an STP (shielded twisted pair) cable is recommended.