**General**

**Power requirements**
DC 12 V (Supplied AC adaptor) DC 42 V to 57 V (PoE+ power supply)

**Current consumption**
1.4 A (Supplied AC adaptor) 0.4 A (PoE+ power supply)

**Ambient operating temperature**
0 °C to 40 °C (32 °F to 104 °F)

**Humidity**
20 % to 90 % (no condensation)

**Storage temperature**
-20 °C to 50 °C (4 °F to 122 °F)

**Mass**
Approx. 1.5 kg (3.3 lb)

**Dimensions (W × H × D)**
160 mm x 186 mm x 166 mm (6-1/2 inches x 7-7/8 inches x 6-1/2 inches) (excluding protrusions, direct ceiling mount bracket)

**Finish**
AW-HE38HW/AW-HE38HW AW-HN38HW/AW-HN38HW

**Metallic black**

**Controller supported**
AW-RPS1, AW-RP120S, AW-HRP200S

**Camera unit**

<table>
<thead>
<tr>
<th><strong>Imaging sensors</strong></th>
<th>1/2.3-type MOS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Lens</strong></td>
<td>AW-HE38HW/HK: Motorized 22x zoom, F1.6 to F4.3 [f=4.3 mm (11/64 inches) to 94.6 mm(3-23/32 inches)]</td>
</tr>
<tr>
<td><strong>Horizontal resolution</strong></td>
<td>1000 TV lines Typ (Center area)</td>
</tr>
<tr>
<td><strong>Gain selection</strong></td>
<td>Auto, 0 dB to 48 dB (3 dB step)</td>
</tr>
<tr>
<td><strong>Frame mix</strong></td>
<td>Auto, Off, 12 dB, 18 dB, 24 dB</td>
</tr>
</tbody>
</table>

**Electronic shutter speed**

| **Auto** | 1/10 to 1/2000 [59.94 Hz] 1/4000 to 1/10000 [50 Hz] |
| **Auto** | 1/10 to 1/2000 [59.94 Hz] 1/4000 to 1/10000 [50 Hz] |

**Syncro scan**
59.94 Hz: 59.94 Hz to 660.09 Hz 50 Hz: 50 Hz to 250.12 Hz

**Gamma**
Off, Normal (Low, Mid, High), Cinema

**White balance**
AWB A, AWB B, ATW, 3200K, 5600K, VAR (2400K to 9900K)

**Chroma amount variability**
±3 step

**Scene file**
Full Auto, Manual1, Manual2, Manual3

**Output format**
HD

<table>
<thead>
<tr>
<th><strong>Video compression format</strong></th>
<th>DC 12 V (N, PoE+) (IEEE802.3at standard)</th>
</tr>
</thead>
<tbody>
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<td><strong>Video compression format</strong></td>
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</tr>
</tbody>
</table>

**Power requirements**
DC 12 V (N, PoE+) (IEEE802.3at standard)

**Power consumption**
0.4 A (PoE+ power supply)

**Power cable**
[AW-HE38HW/HKPJ]:1, [AW-HE38HW/HKEJ]:3, [AW-HE38HW/HKPC]:1

**Output**

<table>
<thead>
<tr>
<th><strong>Video output</strong></th>
<th>HDMI (Type A)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Audio output</strong></td>
<td>USB Audio Class Ver1.0</td>
</tr>
</tbody>
</table>

**Input/Output**

| **Input** | Camera connector, mini DIN 8-pin cable, male |
| **Output** | HDMI connector (Type A) |

**Microphone**

| **Microphone** | Stereo mic (plug-in power, on/off switching via menu) Supplied voltage: 5 V or 0.5 V Micro input level: -60 dBV ± 3 dBV |

**Recording format**

| **Camera unit** | 1280 x 720/29.97p, 1280 x 720/25p |

**Audio compression format**

| **Audio compression format** | H.264 |

**Audio format**

| **Audio format** | 160 mm x 186 mm x 166 mm (6-1/2 inches x 7-7/8 inches x 6-1/2 inches) |

**Dimensions**

<table>
<thead>
<tr>
<th><strong>Dimensions</strong></th>
<th>Unit: (mm)</th>
</tr>
</thead>
</table>

**Mounting bracket**

- Mounting bracket for installation (AW-DV04A) is sold separately. |
- To ensure safety, consult with the dealer from whom you purchased the system.

**Rear View**

- Hole for installing the following: Mount bracket (AW-DV04A), Cable management bracket (AW-HM05A), Hook for mounting the mount bracket (4 mm x 4 mm)

**Bottom View**

- Through-hole for cable 40 mm (1-9/16 inches) (Reference) |

**Ceiling Installation View**

- Optimal for both hanging and desktop installation. |
- Mounting bracket and drop-prevention wire are standard accessories. Ceiling and desktop installation are both possible. Mount the bracket onto the installation surface and then put and turn the main unit on the bracket to be installed.

**As of April, 2018**

*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 step) are available for AGC Max Gain setting.*3: During Auto, 0 dB, 6 dB, 12 dB and 18 dB are available for Auto IPM Max Gain setting.*4: To ensure safety, the unit must be secured using the mount bracket supplied.*5: Depending on the pan or tilt position, the camera may be reflected in the image.*6: A list of an STP (designed twisted pair) cable is recommended.*7: To ensure more safety, AW-HE38HW/HK can be secured by using the direct ceiling mount bracket (AW-NV105A).