iA(intelligent Auto) H.265 PTZ Camera

Panasonic WV-S6130 captures the highest quality images automatically even in very challenging and fast-changing surveillance environments. Intelligent Auto (iA) monitors scene dynamics and motion to adjust key camera settings automatically in real-time reducing distortion such as motion blur on moving objects. New industry-leading 144dB dynamic range delivers balanced scene exposure in dynamic and extreme-backlit lighting environments. In addition, color night vision provides outstanding low-light performance with accurate color rendition and saturation from i-Pro's 1/3" sensor, rivaling the performance of costlier 1/2" sensor cameras in the market. Adopting H.265 Smart Coding technology, intelligently reduces bandwidth efficiency of up to 95%* over H.264 for longer recording and less storage. Cameras out-of-the-box, support full data encryption streaming and is compliant to FIPS 140-2 Level 1 standards to keep your video secured. *Value in Advanced mode. It depends on the scene.

Extreme image quality for evidence capturing under challenging conditions
- Sharp and clear image of moving objects with Intelligent Auto
- Outstanding low light performance in true color with low noise for night time applications
- Super Dynamic 144dB for backlit situation by headlights and shadows on the streets at night
- Long life Pan/Tilt gear mechanism

Extreme H.265 compression with new Smart Coding
- Longer recording, less storage compared to H.264 based compression techniques
- New self-learning ROI* encoding (Auto VIQS) dynamically detect motion areas to keep vehicles and human in good picture quality while lowering your bandwidth * Region of Interest

Extreme Data Security
- Full encryption SD card edge recording to keep your data safe
- FIPS 140-2 Level 1 compliant
- Full end-to-end system encryption with supported VMS and devices to protect from IP snooping/spoofing and detect data alteration

Key Features
- Full-HD 1920x1080 60fps
- Durable Pan/Tilt gear mechanism
- iA (intelligent Auto)
- Extreme Super Dynamic 144dB
- Color night vision (0.001 to 0.015 lx)

Applications
- Retail
- Banks
- Hospitals
- Building
### Appearance

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Camera</td>
<td>Approx. 1/2.9 type M3U image sensor</td>
</tr>
<tr>
<td>Minimum Illumination</td>
<td>Color: 0.015 lx, BW: 0.008 lx</td>
</tr>
<tr>
<td></td>
<td>0.005 lx (maximum shutter: 0.333 s, AGC: 11)</td>
</tr>
<tr>
<td></td>
<td>Color: 0.005 lx, BW: 0.004 lx</td>
</tr>
<tr>
<td></td>
<td>F/1.4, Maximum shutter: Max. 21600 s, AGC: 11*1</td>
</tr>
<tr>
<td>Intelligent Auto</td>
<td>On / Off</td>
</tr>
<tr>
<td>Shutter Speed</td>
<td>1/26 to 1/10 000 s</td>
</tr>
<tr>
<td></td>
<td>0.5 s to 7.2 s / 0.2 s to 17.7 s/3.8 s to 34.4 s (available during 30 fps mode only)</td>
</tr>
<tr>
<td>Super Dynamic*2</td>
<td>On / Off, the level can be set in the range of 3 to 10</td>
</tr>
<tr>
<td>Digital Dynamic Range</td>
<td>Approx. 128x4096 pixels</td>
</tr>
<tr>
<td>Image Settings</td>
<td>Smart (AGC), White balance</td>
</tr>
<tr>
<td>Image Compensation</td>
<td>Adaptive black stretch, Back light compensation (BLC), Fog compensation, High light compensation (HLC), Digital noise reduction</td>
</tr>
<tr>
<td>Color (BW/BNC)</td>
<td>On / Off, Off / Off</td>
</tr>
<tr>
<td>Video Motion Detection (VMD)</td>
<td>On / Off, 4 areas available</td>
</tr>
<tr>
<td>Intelligent VMD (V-MET)</td>
<td>Type 4, optional plug-and-play WV-SA320D</td>
</tr>
<tr>
<td>Mount Bracket</td>
<td>WV-Q160S (Smoke)</td>
</tr>
<tr>
<td>Mount Bracket</td>
<td>WV-Q160S (Clear)</td>
</tr>
<tr>
<td>Mount Bracket</td>
<td>WV-Q158S</td>
</tr>
<tr>
<td>Mount Bracket</td>
<td>WV-Q158C</td>
</tr>
<tr>
<td>Specifications</td>
<td>Approx. 1.1 kg (2.43 lbs)</td>
</tr>
<tr>
<td></td>
<td>(Including the decorative cover)</td>
</tr>
<tr>
<td></td>
<td>Approx. 0.5 kg (1.1 lbs)</td>
</tr>
<tr>
<td></td>
<td>(Excluding the decorative cover)</td>
</tr>
<tr>
<td>Appearance</td>
<td>Approx. 100 x 100 x 300 mm</td>
</tr>
<tr>
<td></td>
<td>(Depth: 6 mm)</td>
</tr>
<tr>
<td>Ambient Operating Humidity</td>
<td>10 °C to 50 °C (50 °F to 122 °F)</td>
</tr>
</tbody>
</table>

### Specifications

#### Camera

- **Image Sensor**: Approx. 1/2.9 type M3U image sensor
- **Minimum Illumination**: Color: 0.015 lx, BW: 0.008 lx
- **Super Dynamic**: On / Off, the level can be set in the range of 3 to 10

#### Intelligent Auto

- **On / Off**
- **Shutter Speed**: 1/26 to 1/10 000 s
- **Super Dynamic**: On / Off, the level can be set in the range of 3 to 10

#### Network

- **IP**: IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, RTP, RTSP, SNMP, DNS, NTP, DHCPv6, MLD, ICMP, ARP, IEEE 802.11, DHCP, IPv6, FTP, SMTP, DDNS, DNS, SNMP, NTP, SNTP, UPnP, IGMP, ICMP, HTTP, HTTPS, FTP, RTSP, RTCP, RTP/AVP, TFTP, DC, Media
- **Audio Output**: Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full duplex)
- **Supported Protocols**: IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, RTP, RTSP, FTP, SNMP, DNS, NTP, DHCPv6, MLD, ICMP, ARP, IEEE 802.11, DHCP, IPv6, FTP, SMTP, DDNS, DNS, SNMP, NTP, SNTP, UPnP, IGMP, ICMP, HTTP, HTTPS, FTP, RTSP, RTCP, RTP/AVP, TFTP, DC, Media

### Options for WV-Q160S

- **Audio Compression**: G.722 (EPLM) / 64 kbps / 32 kbps
- **Audio Transmission Mode**: Off / Mic Line input / Audio output / Interactive (half duplex) / Interactive (full duplex)
- **Network Interface**: 10/100 Base-T / 1000 Base-TX, RJ45 connector
- **Power Supply**: PoE (IEEE802.3af)  DC 48 V  250 mA, Approx. 12 W (Class0 device)
- **Power Source and Power Supply**: Up to 14 users (Depends on network conditions)
- **Mobile Terminal Compatibility**: WiFi / iPhone, Android (Android smartphone)
- **Alarm Source**: 3 terminals input, VMD alarm, Command alarm, Auto alarm, Auto track alarm
- **Alarm Actions**: H.265 / H.264 / SD memory recording, E-mail notification, FTP image transfer, Notification on browser, FTP image transfer, Panasonic protocol output
- **Audio Input**: 3.5 mm stereo mini jack (stereo input)
- **Audio Output**: 3.5 mm stereo mini jack (stereo output)
- **Audio Recording**: Up to 14 users (Depends on network conditions)
- **Audio Codec**: AAC-LC*5, G.711, AAC-LC, i-VMD
- **Audio Quality**: Approx. 0.5°/s – 100°/s
- **Audio Output Impedance**: Approx. 600 /uni03A9 (unbalanced)
- **Environmental**: -10 °C to +50 °C {14 °F to 122 °F} (Ceiling / Camera mount bracket)
- **Power**: DC12 V  1 A, Approx. 12 W
- **Power Consumption**: 0.1 W (Camera on), Max. 0.2 W (Camera off)
- **Power Supply**: 100 – 240 V (50 / 60 Hz)
- **Power Source**: DC12 V (IEEE802.11, DHCP, IPv6, FTP, SMTP, DDNS, DNS, SNMP, NTP, SNTP, UPnP, IGMP, ICMP, HTTP, HTTPS, FTP, RTSP, RTCP, RTP/AVP, TFTP, DC, Media)
- **Protocol**: IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, RTP, RTSP, FTP, SNMP, DNS, NTP, DHCPv6, MLD, ICMP, ARP, IEEE 802.11, DHCP, IPv6, FTP, SMTP, DDNS, DNS, SNMP, NTP, SNTP, UPnP, IGMP, ICMP, HTTP, HTTPS, FTP, RTSP, RTCP, RTP/AVP, TFTP, DC, Media
- **Smart Coding**: Smart Facial Coding: 1 = Smart Facial Coding / Off(AUTO VISQ)/ Off
- **Smart Audio Coding**: AAC-LC*5 / G.711 / G.722 / G.722 (EPLM) / 64 kbps / 32 kbps / 128 kbps
- **Audio Codec**: AAC-LC*5, G.711, G.722
- **Audio Codec**: Smart Coding: Smart Facial Coding: 1 = Smart Facial Coding / Off(AUTO VISQ)/ Off
- **Audio Codec**: Smart Audio Coding: AAC-LC*5 / G.711 / G.722 / G.722 (EPLM) / 64 kbps / 32 kbps / 128 kbps
- **Audio Codec**: Smart Audio Coding: AAC-LC*5, G.711, G.722

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**Important**

- **Safety Precaution**: Carefully read the important information, installation guide and operating instructions before using this product.
- **Panasonic cannot be responsible for the performance of the network and/or other manufacturers’ products used on the network.**

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