4 x 4K(33MP) iA H.265 Multi-Sensor Camera

Panasonic WV-X8570N captures the highest quality images in even very challenging and dynamic environments. In particular, the camera can capture clear vehicle image in color even at night intersections of low light intensity. And the four repositionable lenses minimize blind spots and flexibly correspond to intersections of various shapes and monitoring areas of cities. Easily set up with a smartphone or tablet device via Wi-Fi connection. *Wi-Fi USB adapter is required. 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. Adopting H.265 Smart Coding technology, bandwidth efficiency is intelligently increased for longer recording and less storage. Cameras out-of-the-box, use an encryption module standardized by FIPS Publication 140-2 for secure video streaming.

**Extreme image quality for evidence capturing under challenging conditions**
- Four repositionable lenses with easy adjustment include a wide range tilt angle mechanism minimizes blind spots
- Four high image quality 4K image sensors and produce a resolution of 3,840 x 2,160 pixels at up to 15 fps
- Sharp and clear images of fast moving vehicles with Intelligent Auto and ClearSight Coating
- Outstanding low light performance in true color with low noise for night time applications
- Super Dynamic 108dB for backlit situations and shadows on night streets
- Environmental durability : IP66, IK10 and Dehumidification device

**Extreme bandwidth compression with new Panasonic H.265 Smart Coding**
- Reduced the amount of transferred data and less storage space compared to any 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
- FIPS140-2 CAVP compliant *Using encryption module standardized by FIPS publication 140-2
- Full end-to-end system encryption with supported VMS and devices to protect from IP snooping/spoofing and detect data alteration

**Key Features**
- 4 x 4K(33MP) 3840x2160 15fps
- iA (intelligent Auto)
- Super Dynamic 108dB
- Color night vision (0.008 to 0.12 lx)
- H.265 Smart Coding
- ClearSight Coating
- Wide range tilt angle adjustment mechanism

**Industry examples**
- Public safety (City / Highway toll / Parking gate)
- Transportation (Airport / Train / Subway)
Combining H.265 compression with Smart Coding technology

• In spite of the high resolution of 4 x 4K, it achieved the bit rate lower than the bit rate of one 4K camera of H.264.

<table>
<thead>
<tr>
<th>Resolution</th>
<th>Bit rate*</th>
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<tr>
<td>WV-X8570N</td>
<td>WV-SPV781L</td>
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* "H.265 with Smart Coding" provides max. 95% reduction in total file size when compared to “H.264 without Smart Coding” but it depends on a scene.

Wide range tilt angle adjustment mechanism

- Camera 1, 2, 3
  - Vertical (TILT) angle: +30° to +80°
  - Horizontal (PAN) angle: 360°
  - Azimuth (YAW) angle: ±5°

- Camera 4
  - Vertical (TILT) angle: −15° to +80°

*The above is the adjustable range of a single camera. The adjustable range of each camera varies according to the positional relationship with other cameras.

Four repositionable lenses enables to monitoring at minimize blind spots

- **270-degree view (Full intersection view)**
  - One multi sensor camera at intersection corner,
  - Enables monitoring with minimized blind spots
  - Enables to monitoring even if bottom view angle

- **360-degree view**
  - One multi-sensor camera enables monitor the park by minimize blind spots
Specifications

**Camera**
- Image Sensor: 1/1.8 type CMOS image sensor
- Minimum Illumination: Color: f/2.0 (f/1.8, min.), Black and white (f/1.6, min.)
- Maximum Shutter: [1/30 sec. to 1 sec.]
- Dynamic Range: 85.5 dB typ.
- Image Compression: Adaptive black stretch. High light compression (HL), Low light compression (LL), FOG compression, Digital noise reduction
- Color/BW (ICR): 4.6 mm {3/16 inches}
- Digital (electronic) zoom: 10 steps
- Lens: Focal length: 4.6 mm {3/16 inches}; Digital (electronic) zoom: Approx. 10 steps
- Viewfinder: On / Off
- Image Title (OSD): On / Off
- Privacy Zone: On / Off
- Video Motion Detection (VMD): On / Off
- Color/BW (ICR): On / Off
- Mic (Line) Input: On / Off
- AUX: On / Off
- Transmission Mode: On / Off
- Ethernet: Supports IPv6: TCP/IP, UDP/IP, HTTP, FTP (Server), SMTP, DNS, NTP, SNMP, DHCPv4, RTSP, RTP, RTSP/UDP, FTP (Server), SMTP, DHCP, DNS, DDNS, NTP, SNMP, UPnP, iKMP, ICMP, ARP, IEEE 802.1X, DHCPV6
- Alarm Actions: On / Off (up to 8 zones available), 4 areas available
- Video In: 3 terminals input
- Video Out: 3 terminals output: XLR, XLR, XLR
- Power Consumption: DC 48 V 265 mA/Approx. 12.95 W (Class 0 device)
- Water and Dust Resistance: IP66 (IEC60529), Type 4X (UL50), NEMA 4X compliant
- Dimensions: Approx. 3.3 kg {7.28 lbs}
- **Network**
- Maximum concurrent access number: Up to 24 users
- Network Interface: 10/100 Mbps
- Memory Card: SDXC/SDHC/SD
- Manual REC / Alarm REC (Pre/Post) / Schedule REC
- Backup upon network failure: Yes
- Supportable SDHC/SDXC/SD card: Panasonic: 2 GB, 4 GB, 8 GB, 16 GB, 32 GB, 64 GB, 128 GB, 250 GB Free
- Supportable SD card: SDHC card, SDXC card (except miniSD card and microSD card)
- Address: 16.8, 192.168.100.1
- Entry: ALARM INPUT (Alarm input 2/ ALARM OUTPUT) (x1), ALARM IN 2 (Alarm input 2/ ALARM OUTPUT) (x1), ALARM IN 3 (Alarm input 3/ ALARM OUTPUT) (x1)
- Power Source and Consumption: PSE (IEC60950) compliant
- Power Consumption: DC 48 V 265 mA/Approx. 12.95 W (Class 0 device)
- Operating Temperature: -20 °C to +60 °C
- Power On range: –20 °C to +60 °C
- Ambient Operating Humidity: 10 to 100 % (no condensation)
- Temperature: 10 to 60 °C
- Power Supply: 4.0 V ±0.5 V
- For line input: Input level: Approx. –10 dBV
- For microphone input: Supply voltage: 4.0 V ±0.5 V
- Input level: Approx. –10 dBV
- (Sensitivity of microphone : -48 dB±3 dB (0 dB=1 V/Pa, 1 kHz))
- (2A-206CA)

**Camera Mounting**
- Pole Mount Bracket WV-Q189 (Fine silver)
- Different Color Model WV-Q183 (Fine silver)
- Mount Bracket WV-Q185 (Light gray)
- Different Color Model WV-Q187 (Fine silver)

Optional Accessories
- Mount Bracket WV-Q185 (Light gray)
- Mount Bracket WV-Q187 (Light gray)
- Pole Mount Bracket WV-Q189 (Fine silver)
- Different Color Model WV-Q183 (Fine silver)
- Comer Mount Bracket WV-Q185 (Light gray)
- Different Color Model WV-Q187 (Fine silver)

**Appearance**

**Dimensions**

- WV-Q185: 232(9-1/8") ±0.2(1-13/16")
- WV-Q122A: 211(8-3/8") ±0.2(1-13/16")
- WV-Q188: 211(8-3/8") ±0.2(1-13/16")
- WV-Q187: 189(7-5/8") ±0.2(1-13/16")
- WV-Q183: 189(7-5/8") ±0.2(1-13/16")

**Network**

- Fcc (part 15 Class A), Icest003 Class A, En55024 Class A
- Ethernet: Supports IPv6: TCP/IP, UDP/IP, HTTP, FTP (Server), SMTP, DNS, NTP, SNMP, DHCPv4, RTSP, RTP, RTSP/UDP, FTP (Server), SMTP, DHCP, DNS, DDNS, NTP, SNMP, UPnP, iKMP, ICMP, ARP, IEEE 802.1X, DHCPV6
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**Trademarks and registered trademarks**

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