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. By 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 up to 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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<tbody>
<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

- One multi-sensor camera at intersection corner, It enables monitoring with minimized blind spots
- Enables to monitoring even if bottom view angle

**Four repositionable lenses enables to monitoring at minimize blind spots**

- **270-degree view (Full intersection view)**
  - One multi sensor camera at intersection corner, It 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: Off (0.15 lx), On (0.01 lx)
- Maximum Shutter: Max. 1/10000s or Max. 10s
- Signal Dynamic: On / Off, can be set in the range of 0 to 31.
- Dynamic Range: Max. 108 dB typ. (Super Dynamic: On, true 31)
- Image Settings: Gain (AGC), White balance
- Image Compression: Adaptive black stretch, High light compression (HLG), High light compression (HLG), FQ compression, Digital noise reduction
- Color/BW (ICR): (Light gray)

Network
- Network Interface: Ethernet (10Base-T, 100Base-TX, 1000Base-T, RJ45 connector)
- Setup Menu Language: Chinese, Japanese
- GUI: English, Italian, French, German, Spanish, Portuguese, Russian
- Resolution: 232 (9-1/8")
- Compression: G.711, G.726 (ADPCM) : 16 kbps / 32 kbps

Lens
- Focal length: 4.6 mm (3/16 inches)
- Maximum Aperture Ratio: F1.6
- Maximum Shutter: Max. 1/10000s or Max. 10s
- Adjustment angle: Horizontal : 97°, Vertical : 53°

Audio
- Input Impedance: Approx. 2 kΩ (unbalanced)
- Mic (Line Input): Digital input, Volume adjustment, Low / Middle / High
- Mic (Pole Mount Bracket or Wall Mount Bracket): Black & white input, Auto time adjustment input
- Recommended applicable microphone: Plug-in power type

Alarm
- Alarm Actions: HTTP alarm notification, Indication on browser, SDXC/SDHC/SD memory recording, E-mail notification, VMD alarm, Command alarm

SD Memory
- Memory Card: SDXC/SDHC/SD
- Maximum concurrent access number: Up to 24 users
- Number of Access: Up to 8 zones available
- External I/O Terminals: ALARM IN (Alarm input 1), ALARM IN 2 (Alarm input 2/ALARM OUT (ALARM OUT 2)

General
- Dimensions: 120 (4-23/32")
- Water and Dust Resistance: IP66
- Water and Dust Resistance: IK10
- Temperature: –20 °C to +60 °C, Max. 16/30s, AGC : 11

Appearance

Optional Accessories

- Mount Bracket
- Pole Mount Bracket
- Comer Mount Bracket
- Wall Mount Bracket

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