4K (3,840 x 2,160) iA H.265 Network Camera

Panasonic WV-S2570L captures the highest quality 4K resolution images in even very challenging and dynamic 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. 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 allows evidence to be captured even under challenging conditions
- True 4K lens and large image sensor realize wide area surveillance with high quality images
- Auto Shutter speed control for moving objects
- Outstanding low light performance in true color with low noise for night time applications
- Built-in IR LED to produce a clear monochrome image in 0 lux conditions with 40 m (131 feet) irradiation distance
- Environmental durability : IP66, IK10

Extreme bandwidth compression with new Panasonic H.265 Smart Coding
- Longer recording and less storage compared to any H.264 based compression techniques
- New self-learning ROI* encoding (Auto VIQS) detects movement within the image and compresses the areas with little motion in order to reduce transmitted data while maintaining the quality of the image.

*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
- 4K (3,840 x 2,160) up to 30fps
- iA (intelligent Auto)
- Color night vision (0.006 to 0.09 lx)
- H.265 Smart Coding
- i-VMD License Bundled
- Fiber Optic Media Converter Unit
  (Optional WV-S25F1)

Industry examples
- Safe City
- Transportation (Airport / Train, Subway station)
- Bank (ATM, Entrance)
- Retail / Logistics / Education / Hospital / Building
Specifications

**Camera**
- Image Sensor: 1/3” 8 type CMOS image sensor
- Minimum Illumination: Color: 0.08 lx, BW: 0.05 lx
  - (F1.5, Maximum shutter: Off (1/30s), AGC: x1)
  - BW: 0.05 lx
- F (F1.5, Maximum shutter: Off (0.35s), AGC: x1, when the IR LED is lit)
  - Color: 0.035 lx, BW: 0.02 lx
  - (F1.5, Maximum shutter: max. 16,000 lx, AGC: x1)

**Vehicle Balance**
- A1/B1, A2/E2, B1

**Shutter Speed**
- 1/50 to 1/10000 sec

**Intelligent Auto**
- Off / On
- Camera Dynamic: On or off, can be set within the range of 0.3 to 31.

**Horizontal Dynamic**
- Max. 0.13 dynamic (angular: 8.4°)

**Adaptive Black Stretch**
- The level can be set in the range of 0 to 255.

**High light compensation**
- 20x, 40x, and 80x at 25°C, 40°C, 60°C respectively.

**Fog Compensation**
- On / Off, can be set within the range of 0 to 8

**Digital Noise Reduction**
- On / Off, can be set within the range of 0 to 255.

**Video Motion Detection**
- 5 streams, 4 streams available

**Intelligent VMD (i-VMD)**
- Turn on / Turn off

**Audio Output**
- 3.5mm stereo mini jack (Audio output is monoaural)

**Audio Output**
- Input level: Approx. 0.1 V (Unbalanced)

**External I/O Terminals**
- ALARM IN 2 (Alarm input 2/ ALARM OUT) (x1)
- ALARM IN 3 (Alarm input 3/ AUX OUT) (x1)

**Power Source**
- PoE (IEEE 802.3af compliant) Device: DC48 V 230 mA/ Approx. 11.0 W (Class 0 device)
- DC power supply: DC12 V 880 mA/ Approx. 10.6 W

**Dimensions**
- Dome radius 42 mm (1-21/32 inches)
- Memory card: Approx. 110 x 80 x 23 mm (4-3/8 x 3-1/8 x 7/8 inches)

**Weight**
- Approx. 1.2 kg (2.65 lbs)

**Ambient Operating Temperature**
- –40 ˚C to +60 ˚C (Power On range: –30 to +60 ˚C)

**Ambient Operating Humidity**
- 10 to 100 % (no condensation)

**Power Input**
- 24 V AC (50 Hz/60 Hz)

**PoE (IEEE802.3af compliant)**
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**Ambient Operating Humidity**
- 40 °C to +55 °C (90 °F to 131 °F)

**Ambient Operating Temperature**
- 40 °C to +55 °C (90 °F to 131 °F)

**Capacities**
- 16 GB (CFast) or 32 GB (SD card)

**Video Compression**
- H.264, H.265

**Supported Protocols**
- IPv4, TCMP, UDP, HTTP, HTTPS, RTP, RTSP, RTSP/RTCP, FTP, SMTP, DHCP, DNS, NTP, SNMP, DHCPv6, MLD, ICMP, ARP, IEEE 802.1x, DiffServ

**No. of Simultaneous Users**
- Up to 14 users (Depends on network conditions)

**Supported Formats**
- JPEG, Motion JPEG

**Licenses**
- Compatible SDXC/SDHC Memory Card

**Alarm Source**
- 3 terminals input, VMD alarm, Command alarm

**Alarm Actions**
- VMD, Motion JPEG recording, E-mail notification, HTTP alarm notification, Indication on browser, FTP image transfer, Transmission to alert server protocol output

**Supported Protocols**
- TCP, UDP, HTTP, HTTPS, RTP, RTSP, RTSP/RTCP, FTP, SMTP, DHCP, DNS, NTP, SNMP, DHCPv6, MLD, ICMP, ARP, IEEE 802.1x, DiffServ

**Video Output**
- 4K 4K Horizontal: 8300 lx, Vertical: 8300 lx

**Camera Control**
- 86 different functions

**Brightness, AUX On / Off**
- Up to 20 characters (alphanumeric characters, marks)

**Audio Input**
- For microphone input: Recommended microphone: Directional type (Sensitivity of microphone: –48 dBu (dB re 1V/1kHz), Input impedance: Approx. 2 kΩ (Unbalanced)
- Supply voltage: 2.5 V ± 0.5 V

**Audio Input**
- Input level: Approx. ±0.3 V

**SD Card**
- SDHC card, ** SDXC card (except miniSD card and microSD card)

**Specifications**
- The specifications are subject to change without notice.

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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.

**Masses and dimensions are approximate.**
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