iA (intelligent Auto) H.265 Network Camera

Panasonic WV-S2531LN captures the highest quality images automatically even in very challenging and fast-changing surveillance environments. Intelligent Auto (iA) allows the camera to automatically adjust the key settings in real-time depending on the scenery and movement, reducing distortion such as motion blur and 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. The adopted H.265 Smart Coding technology, intelligently reduces bandwidth efficiency of up to 95%* more than 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 with Smart Facial Coding. It depends on the scene.

Extreme image quality allows evidence to be captured even under challenging conditions
- Auto Shutter speed control for fast moving vehicles
- Sharp and clear images of a walking person day & night
- Outstanding low light performance in true color with low noise for night time applications
- Super Dynamic 144dB for backlit situations involving headlights and shadows on night streets
- Environmental durability : IP66, IK10, 50J compliant and Dehumidification device

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.
- New “Smart Facial Coding” adds more bandwidth reduction for ID camera applications mainly capturing faces

*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 1080p 60fps
- iA (intelligent Auto)
- Extreme Super Dynamic 144dB
- Color night vision (0.0008 to 0.012 lx)
- H.265 Smart Coding
- FIPS 140-2 Level 1 compliant
- ClearSight Coating
- 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**: Approx. 1/3 type MOS image sensor
- **Minimum Illumination**
  - Color: 0.01 lx, BW: 0.006 lx
- **Shutter Speed**: 1/10,000 sec to 1 sec
- **White Balance**: AWB: 3,000 K to 6,500 K, APTW: 7,200 K to 10,000 K
- **Stabilizer**: On / Off
- **Zoom Ratio**: 3.6 x (Motorized zoom / Auto Focus)
- **Focal Length**: 3.5-28 mm
- **Angle of View**: Vertical: 17° (TELE) – 58° (WIDE) [16 : 9 mode]
  - Horizontal: 30° (TELE) – 108° (WIDE)
- **Maximum Gain (AGC)**: 0 to 255
- **Fog Compensation**: Off / On (IR Light Off) / On (IR Light On) / Auto1 (IR Light Off) / Auto2 (IR Light On) / Auto3 (SCC)
- **White Balance**: BLC (Back light compensation) / HLC (High light compensation) / Off
- **Minimum Illumination**: 0.0008 lx (Color) / 0.0004 lx (BW)
- **Input Impedance**: DC12 V 750 mA, Approx. 9 W

**Network**
- **Network Interface**: RJ45 (1000Base-T) / RJ45 (100Base-TX) / RJ45 (10Base-T)
- **Power Consumption**: DC power supply (DC12 V 750 mA), Approx. 9 W
- **Power Source and Consumption**: DC power supply: DC12 V 750 mA, Approx. 9 W

**Audio**
- **Audio Output**: On / Off
- **Volume Adjustment**: Low / Middle / High
- **Mic (Line) Input**: On / Off
- **Audio transmission mode**: G.726 (ADPCM) : 64 kbps / 96 kbps / 128 kbps

**Optional Software**
- **Supported Protocols**: IPv4, TCP/IP, UDP/IP, HTTP, HTTPS, RTP, RTSP, RTP/RTCP, FTP, SMTP, DHCP, DNS, DTP, SMTP, HTTP, ICMP, ARP, IEEE 802.11, 802.11b, 802.11a, 802.11g, 802.11n

**Optical Accessories**

**Appearance**
- **Unit**: mm (inches)

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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.
- Specifications are subject to change without notice.

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