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) 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 an average 75 percent 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.

**Extreme image quality for evidence capturing under challenging conditions.**
- Auto Shutter speed control for fast moving vehicles
- Sharp and clear image 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 situation and shadows on the streets at night

**Extreme H.265 compression with new Smart Coding**
- Longer recording, less storage 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
- 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

**Applications**
- Safe City
- Transportation (Airport / Train, Subway station)
- Bank (ATM, Entrances)
- Retail / Logistics / Education / Hospital / Building
### Specifications

**Camera**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum Illumination</td>
<td>0.0003lx (BW), 0.0009lx (FW) [Max. 0.1lux, AGC: 11]</td>
</tr>
<tr>
<td>BW</td>
<td>1/100 (1/1000)</td>
</tr>
<tr>
<td>Color</td>
<td>[016, Maximum shutter : ORT:1/30 a) 11, when the IR LED is lit]</td>
</tr>
<tr>
<td>White Balance</td>
<td>AWV 2.0000 – 10.0000, AWY 2.0000 – 6.0000</td>
</tr>
</tbody>
</table>

**GUI**

- **Browser**
- **Adjusting Angle**
- **Appearance**
  - **JPEG**
  - **H.265**
  - **Digital Noise Reduction**
  - **Maximum gain (AGC)**
  - **Fog compensation**
  - **High light compensation**
  - **Adaptive Black Stretch**
  - **Super Dynamic**
  - **Shutter Speed**
  - **White Balance**

**Image Sensor**

- **Network IF**
- **Setup Menu Language**
- **Audio Output**
  - **Mic (Line) Input**
  - **Volume adjustment**

**Audio**

- **Camera Control**
- **Focusing Range**
- **Maximum Aperture Ratio**
- **Angular Field of View**

**Video**

- **Image rotation**
- **Privacy Zone**
- **Image Stabilizer**
- **Focus Adjustment**
- **Transmission Type**

**Power**

- **Power Source and External I/O Terminals**
- **Power Consumption**
- **PoE (IEEE802.3af compliant)**
- **Ambient Operating Temperature**
- **Ambient Operating Humidity**
- **Power Source and Power Consumption**
- **IP66, IEC60529 measuring standard compatible, Type 4X(UL50), NEMA 4X compliant**

**Sound**

- **Recordable Sound**
- **Number of Simultaneous Users**
- **Supported Protocol**

**Network**

- **Audio Compression**
- **Audio transcoding**
- **Supported Protocol**
- **Network Port**

**Alarm**

- **Alarm Source**
- **Alarm Actions**

**Image**

- **Image Resolution**
- **Image capture mode**
- **Image capture mode**
- **Image capture mode**

**Audio**

- **Audio Output**

**Software**

- **Mobile Terminal Compatibility**
- **Software**

**Network**

- **Network Port**

**Dimensions**

- **Dimensions**
- **Dimensions**
- **Dimensions**

**Installation**

- **Installation**

**Accessories**

- **Optional Accessories**

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**Important**

- **Safety Precaution**
- **Operating instructions**

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