iA (intelligent Auto) H.265 Network Camera

Panasonic WV-S2231L 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

Applications
- Airport (Passport control / Security checkpoint / Ticket counter)
- Retail / Bank / Education / Hospital / Building
### Specifications

#### Camera
- **Image Sensor**: 1/3" type MOS image sensor
- **Maximum Illumination**:
  - LDR: 0.01 lx (0.002 ft-L), 0.008 lx
  - (F1.6, Maximum shutter: Max. 1/50s, AGC: 11)
- **Shutter Speed**:
  - Day/night: 1/500 to 1/10000 s
  - Day: 1/500 to 1/10000 s

#### Dynamic Range
- **Image rotation**: 360°
- **Privacy Zone**: 4 areas available

#### Image Stabilizer
- The level can be set in the range of 0 to 255.

#### IR LED
- Off / On (Only when Intelligent Auto: Off)

#### Day/Night (ICR)
- Off / On (High / Low) (Irrelevance distance: 30 m (98 ft));

#### Maximum Gain (AGC)
- The level can be set in the range of 0 to 11.

#### Fog Compensation
- Off / On (Only when Intelligent Auto: Off)

#### High Light Compensation
- Off / On (Only when Intelligent Auto: Off)

#### Black Light Compensation
- On / Off (Available only in the 30 fps mode)

#### Adaptive Black Stretch
- On / Off, the level can be set in the range of 0 to 31.

#### Dynamic Range
- **Super Dynamic**: 208 dB

#### Shutter Speed
- Off(1/30) to 1/10000

#### Super Dynamic
- (F1.6, Maximum shutter: Max. 1/30s, AGC: 11)

#### White Balance
- AWB (2,000 - 10,000 K), ATW1 (2,700 - 6,000 K), ATW2 (2,000 - 6,000 K)

#### Minimum Illumination
- Color: 0.0004 lx, BW: 0 lx

#### Image Resolution
- 3.6 x (Motorized zoom / Auto Focus)

#### Audio Output
- ø3.5 mm stereo mini jack (monaural output)

#### Image Sensor
- Image resolution: 1/3" type MOS image sensor

#### Setup Menu Language
- English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese

#### Audio Output
- ø3.5 mm stereo mini jack (monaural output)
- Available: Off / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full duplex)

#### Audio Compression
- G.711: ADPCM: 32 kbps / 16 kbps
- G.711: 64 kbps
- AAC-LC: 64 kbps / 96 kbps / 128 kbps

#### Audio transmission mode
- OFF / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full duplex)

#### Supported Protocol
- IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, RTP, FTP, SMTP, DNP, NTP, SNMP, DHCPv4, MDL, ICMP, ARP, IEEE 802.1X, DiffServ
- IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, RTP, FTP, SMTP, DNP, NTP, SNMP, DHCPv6, MDL, ICMP, ARP, IEEE 802.1X, DiffServ

#### No. of Simultaneous Users
- Up to 14 users (depends on network conditions)

### Appearance

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<thead>
<tr>
<th>Dimension</th>
<th>Value</th>
</tr>
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<tbody>
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<tr>
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### Optional Accessories

- Ceiling Mount Bracket
- WV-Q105A
- Embedded Ceiling Mount Bracket
- WV-Q114B
- Dome Cover (Smoke Type)
- WV-CR1S

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