iA (intelligent Auto) H.265 Network Camera with tele lens

Panasonic WV-S1531LTN 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 (0.001 to 0.015 lx)
- H.265 Smart Coding
- FIPS 140-2 Level 1 compliant
- ClearSight Coating

Applications
- Public safety (City / Highway tolls / Parking gates)
- Transportation (Airport / Train / Subway)
- Retail / Bank / Logistics / Education / Hospital / Building
## Specifications

### Camera

- **Image Sensor**: Approx. 1/3 type MOS image sensor
- **Minimum Illumination**
  - Color: 0.015 lx (0.008 lx)
  - Monochrome: 0.008 lx
- **White Balance**
  - AWB: 1/10000 to 1/100000 s
  - **(F1.7, Maximum shutter: Max. 1/30s, AGC: 11)**
  - **(F1.7, Maximum shutter: Max. 16/30s, AGC: 11)**
- **Shutter Speed**
  - 1/30 to 1/10000 s
- **Image Rotation**
  - 90° or 270°
- **Image Quality**
  - JPEG
- **Codec**
  - H.264*4
  - H.265/
- **Image Resolution**
  - [3 mega pixel](4:3) (30 fps) : 1920 x 1080 / 1280 x 720 / 640 x 360 / 320 x 180
  - [3 mega pixel](4:3) (30 fps) : 1920 x 1080 / 1280 x 720 / 640 x 360 / 320 x 180

### Network

- **Smart Coding**
  - Smart Facial Coding : On (Smart Facial Coding) / On (Auto VQ/)
- **Audio Compression**
  - G.722 (ADPCM) : 32 kbps / 16 kbps
  - G.711 : 64 kbps
- **Audio Output**: Off / Mic (Line) input / Audio output / Interactive (Half duplex)
- **Supported Protocol**
  - IPv4 : TCP/UDP, HTTP, HTTPS, RTP, RTSP, SMNP, DTP, SNMP, DHCPv4, HLDS, MLD, ICMP, ARP, IEEE 802.1X, DNS, TCP, UDP, HTTP, HTTPS, RTSP, RTP, RTCP, FTP, SMTP, DHCP, DNS, DTP, NTP, SNMP, UDH, ICMP, ARP, IEEE 802.1X, DNS

### Lens

- **Angle Adjusting**
  - Super Dynamic*2
  - High light compensation
  - Back light compensation / Adaptive Black Stretch
- **Transmission Mode**
  - 9/30 Fix to 2/100 Fix

### Appearance

- **Front cover section clear part**: Clear polycarbonate resin (ClearSight coating)
- **Main body**: Aluminum die cast, light gray
- **Weight**: Approx. 1.7 kg (3.75 lbs)
- **Size**: 3-3/4 inches (W) x 3-57/64 inches (H) x 1ft 1-17/64 inches (L)

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1. Converted value
2. Super Dynamic function is automatically set on 60 fps mode.
3. When “3 mega pixel” [4:3] 330fps mode is selected for "Image capture mode", “90 °” and “270 °” cannot be selected.
4. Transmission for 4 streams can be individually set.
5. Only use AAC-LC (Advanced Audio Codec - Low Complexity) when recording audio on an SD memory card.

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