Panasonic WV-S2531LTN 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-backlight 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, use an encryption module standardized by FIPS Publication 140-2 for secure video streaming.

*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
- 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
- Full HD 1080p 60fps
- iA (intelligent Auto)
- Extreme Super Dynamic 144dB
- Color night vision (0.001 to 0.015 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

**Image Sensor**
- Approx. 1/3 type MOS image sensor

**Minimum Illumination**
- Color: 0.015 lx, BW: 0.008 lx
- (F1.7, Maximum shutter: Off (1/50s), AGC: +11 dB)
- BW: 0.8 lx
- (F1.7, Maximum shutter: Off (1/100s), AGC: +11, when the IR LED is lit)
- Color: 0.003 lx, BW: 0.0005 lx
- (F1.7, Maximum shutter: max. 16/50x, AGC: +11 dB)

**White Balance**
- AWB (Auto white balance) (1,000K - 10,000K), AEV (2,000K - 6,000K)

**Shutter Speed**
- 1/10000 to 1/25s
- 1/25s to 2/120 Fix available during 50 fps mode only.
- 1/25s to 1/500 Fix available during 60 fps mode only.

**Digital Noise Reduction**
- Digital Noise Reduction: Can be set in the range of 0 to 255.

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

**Back light Compensation**
- BLC (Back light compensation) / PCL (High light compensation) / Off

**Zoom**
- Focus is automatically adjusted

**Image Quality**
- JPEG (MJPEG), H.264*, H.265/

**Transmission Type**
- Unicast / Multicast

**Audio Output**
- Power On range: –30 °C to +60 °C (–22 °F to 140 °F)

**Ambient Operating Temperature**
- UL (UL60950-1), c-UL (CSA C22.2 No.60950-1), CE, EN55022

**Power Source and Power Consumption**
- DC power supply: DC12 V 750 mA, Approx. 9 W

**Network Interface**
- Ethernet Speed: 10/100Base-TX, Full duplex

**Ethernet**
- H.265 / H.264 / JPEG (MPJEG)

**Network Protocol**
- ARP, IEEE 802.1X, DiffServ

**IEEE IP Option**
- Power On range: –30 °C to +60 °C (–22 °F to 140 °F)

**Power Supply**
- UL (UL60950-1), c-UL (CSA C22.2 No.60950-1), CE, EN55022

**Alarm Actions**
- SDXC/SDHC/SD memory recording, E-mail notification, Backup upon network failure

**Alarm Input**
- 16 Internal inputs, 16 External inputs

**Environmental**
- IP66, IEC60529 measuring standard compatible, Type 4X(UL50), Compliant with 50J IEC60068-2-75, IK10 (IEC 62262)

**Mount Bracket/ Dome Cover/ Other**
- Max. assembly weight: 10 kg (22 lbs)

**Support Specifications**
- IPv6, TCP/IP, UDP/IP, HTTP, HTTPS, RTP, RTSP, RTP/AV, FTP, SMTP, DHCP, DNS, DTP, SNMP, UPnP, IGMP, ICMP, ARP, IEEE 802.1Q, DHCPv6

**Compatible SDXC/SDHC Memory Card**
- Panasonic: SD-XC/SDHC/SDXC 64GB, 128GB, 256GB, 400GB

**Compatible SFP module**
- 850 nm, 1310 nm, 1550 nm, 10 Gbps

**Trademarks and registered trademarks**
- All trademarks identified herein are the property of their respective owners.

**Important**
- Safety Precaution: Carefully read the Important Information, Installation Guide and operating instructions before using this product.

**Specifications**
- Masses and dimensions are approximate.
- Specifications are subject to change without notice.

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### Bundled License

**Plug-in Software for i-VMD**

i-VMD is possible to detect objects in the specified area by advanced video analysis technology.

**i-VMD**
- Intruder Detection, Loitering Detection, Scene Change Detection, Object Detection, Cros Line Detection

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### Optional Accessories

**Fiber Optic Media Converter Unit**

**Mount Bracket/ Dome Cover/ Other**

**Mount Bracket**
- WV-Q183 (Fine silver)
- WV-Q184 (Light gray)

**Sun Shade**
- WV-Q118

**Dome Mount Bracket**
- WV-0169A

**Dome Cover**
- WV-CW7S

**Wall Mount Bracket**
- WV-Q185 (Light grey)

**Dome Cover (Smoke type)**
- WV-CW7SN

**Dome Cover (Smoke type with Clear sight coating)**
- WV-CW7SN

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https://www.facebook.com/Panasonicnetworkcamera/

(DA-185DA)