# **Panasonic**

## WV-S1531LN

### **BUSINESS**

### **Full HD Outdoor Bullet Network Camera**

Panasonic WV-S1531LN 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. By adopting 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 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 up to 60fps
- iA (intelligent Auto)
- Extreme Super Dynamic 144dB
- Color night vision (0.0008 to 0.012 lx)
- H.265 Smart Coding
- ClearSight Coating
- i-VMD License Bundled
- Onvif Profile G / S / T

#### **Industry examples**

- Public safety (City / Highway toll / Parking gate)
- Transportation (Airport / Train / Subway)
- Retail / Bank / Logistics / Education / Hospital / Building

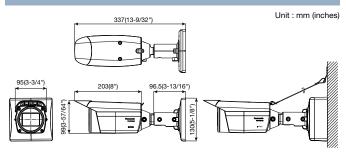




#### Coocifications

Camera	Image Sensor	Approx. 1/3 type MOS image sensor
Valleta	Minimum Illumination	Color: 0.012 lx, BW: 0.006 lx
	William III III III III III III III III III I	(F1.6, Maximum shutter : Off (1/30s), AGC : 11)
		BW : 0 lx
		(F1.6, Maximum shutter : Off (1/30 s), AGC : 11, when the IR LED is lit
		Color: 0.0008 lx, BW: 0.0004 lx
		(F1.6, Maximum shutter : max. 16/30s, AGC : 11) *1
	White Balance	AWC (2,000 - 10,000 K), ATW1 (2,700 - 6,000 K), ATW2 (2,000 - 6,000 K)
	Shutter Speed	1/30 Fix to 1/10000 Fix
	Shutter Speed	*1/30 Fix to 2/120 Fix is available during 30 fps mode only.
		, , , ,
	1.1.11	*1/60 Fix is available during 60 fps mode only.
	Intelligent Auto	On / Off
	Super Dynamic*2	On / Off, The level can be set in the range of 0 to 31.
	Dynamic Range	Max.144 dB (Super Dynamic : On)
	Adaptive Black Stretch	The level can be set in the range of 0 to 255.
	Back light compensation /	BLC (Back light compensation) / HLC (High light compensation) / Off
	High light compensation	(only when Super dynamic / Intelligent Auto : Off)
	Fog compensation	On / Off (only when Intelligent auto / auto contrast adjust : Off)
	Maximum gain (AGC)	The level can be set in the range of 0 to 11.
	Color/BW (ICR)	Off / On (IR Light Off) / On (IR Light On) / Auto1(IR Light Off) / Auto2 (IR Light On) / Auto3 (SCC)
	IR LED Light	High / Middle / Low / Off, Maximum irradiation distance : 40 m (Approx. 131 ft)
	Digital Noise Reduction	The level can be set in the range of 0 to 255.
	Video Motion Detection (VMD)	On / Off, 4 areas available
	Intelligent VMD (i-VMD) *3	Type 4 *Bundled License
	Stabilizer*3	On / Off (available only in the 30 fps mode)
	Privacy Zone	On / Off, Up to 8 zones available
	Image rotation*4	0°/90°/180°/270°
	Camera Title (OSD)	On / Off, Up to 20 characters (alphanumeric characters, marks)
	Focus Adjustment	Auto back focus / Manual
Lens	Focal length	2.8 - 10 mm {1/8 inches - 13/32 inches}
	Zoom ratio	3.6 x (Motorized zoom / Motorized focus)
	Angular Field of View	[16:9 mode] Horizontal: 31° (TELE) – 112° (WIDE)
	· ·	Vertical: 17° (TELE) - 60° (WIDE)
		[4:3 mode] Horizontal: 26° (TELE) – 91° (WIDE)
		Vertical : 19° (TELE) – 67° (WIDE)
	Maximum Aperture Ratio	1 : 1.6 (WIDE) – 1 : 3.4 (TELE)
	Focusing Range	0.3 m {11-13/16 inches} - ∞
Adjusting	Ceiling mounting	Horizontal: ±180 ° (PAN rotation part)
Angle	Coming mounting	Vertical : 0 ° to 100 ° (TILT rotation part)
		Yaw : -190 ° to +100 ° (YAW rotation part)
	Wall mounting	Horizontal: ±100 ° (TILT rotation part)*
	waii mounting	Vertical : ±100 (TILT rotation part)*
		· · · · · · · · · · · · · · · · · · ·
		Yaw : -190 ° to +100 ° (YAW rotation part)  *You can change between horizontal and vertical angels by adjusting the PAN rotation part.
	Ones on Control	
Browser	Camera Control	Brightness, AUX On / Off
GUI	Audio	Mic (Line) Input: On / Off Volume adjustment: Low / Middle / High
		Audio Output : On / Off Volume adjustment : Low / Middle / High
	GUI / Setup Menu Language	English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese
Network	Network IF	10Base-T / 100Base-TX, RJ45 connector
	Resolution	•2 mega pixel [16 : 9] (30/60 fps)
	H.265/ H.264	1,920 x 1,080 / 1,280 x 720 / 640 x 360 / 320 x 180
	JPEG (MJPEG)	•3 mega pixel [4 : 3] (30 fps)
		2,048 x 1,536°5 / 1,280 x 960 / 800 x 600 / 640 x 480 / 400 x 300 / 320 x 240
	H.265/ Transmission Mode	Constant bit rate / VBR / Frame rate / Best effort
	H.264*6 Transmission Type	Unicast / Multicast
	JPEG Image Quality	10 steps

#### **Appearance**

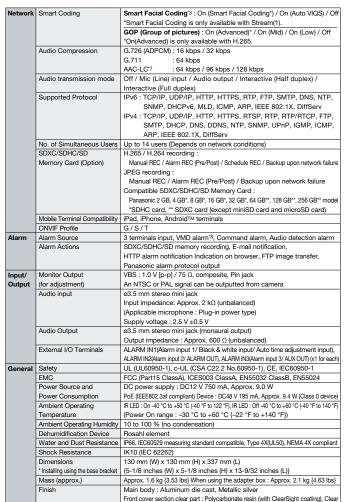


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- Safety Precaution : Carefully read the Basic Information, Installation Guide and
- Operating Instructions before using this product.
- Panasonic cannot be responsible for the performance of the network and/or other manufacturers' products used on the network
- Masses and dimensions are approximate. Specifications are subject to change without notice



- \*1 Converted value
- \*2 Super Dynamic function is automatically set off on 60 fps mode.
- \*3 Stabilizer, Smart Facial Coding, i-VMD can not be used at the same time.
- \*4 When "3 mega pixel [4:3](30fps mode)" is selected for "Image capture mode", "90 °" and "270 °" cannot be selected
- \*5 Used by super resolution techniques \*6 Transmission for 4 streams can be individually set.
- \*7 When recording audio on an SD memory card, only use AAC-LC (Advanced Audio Coding Low Complexity).
- \*8 Including alarms from Plug-in Software

#### **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, Direction Detection, Scene Change Detection, Object Detection, Cross Line Detection



#### **Optional Accessories**

#### Mount Bracket







Brackets are available in four colors, Fine silver, Light gray, Gray and i-PRO white It is possible to use them in different color combinations

### **Panasonic**

**Panasonic Corporation** 

#### Panasonic i-PRO Sensing Solutions Co., Ltd.

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