Panasonic BUSINESS

WV-S1531LTN

Full HD Outdoor Bullet 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) 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 (0.001 to 0.015 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

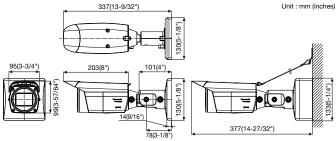




Specifications

Camera	Image Sensor	Approx. 1/3 type MOS image sensor
Camera	Minimum Illumination	Color: 0.015 lx, BW: 0.008 lx
	Willimum illumination	(F1.7, Maximum shutter : Off (1/30s), AGC : 11)
		BW : 0 lx
		(F1.7, Maximum shutter : Off (1/30 s), AGC : 11, when the IR LED is lit
		Color: 0.001 lx, BW: 0.0005 lx
		(F1.7, 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
		*1/30 Fix to 2/120 Fix is available during 30 fps mode only.
		*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 and 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	9.0 - 21 mm {11/32 inches - 13/16 inches}
	Zoom ratio	2.3 x (Motorized zoom / Motorized focus)
	Angular Field of View	[16:9 mode] Horizontal: 14° (TELE) – 34° (WIDE)
	7 angular 1 loid of 1 low	Vertical : 8° (TELE) – 19° (WIDE)
		[4 : 3 mode] Horizontal : 12° (TELE) – 28° (WIDE)
		Vertical : 9° (TELE) – 21° (WIDE)
	Marrian and American Detin	
	Maximum Aperture Ratio	1 : 1.7 (WIDE) – 1 : 3.0 (TELE)
	Focusing Range	2.0 m {78-13/16 inches} – ∞
Adjusting Angle	Ceiling mounting	Horizontal : ±180 ° (PAN rotation part)
		Vertical : 0 ° to 100 ° (TILT rotation part)
		Yaw : -190 ° to +100 ° (YAW rotation part)
	Wall mounting	Horizontal: ±100 ° (TILT rotation part)*
		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.
Browser	Camera Control	Brightness, AUX : Open / Close
GUI	Audio	Mic (Line) Input : On / Off Volume adjustment : Low / Middle / High
		Audio Output : On / Off Volume adjustment : Low / Middle / High
	GUI /	English, Italian, French, German, Spanish, Portuguese, Russian,
	Setup Menu Language	Chinese, Japanese
Matrical	Network IF	* *
Network		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
		Constant bit rate / VBR / Frame rate / Best effort
	H.264*6 Transmission Type	Unicast / Multicast
	JPEG Image Quality	10 steps

Appearance

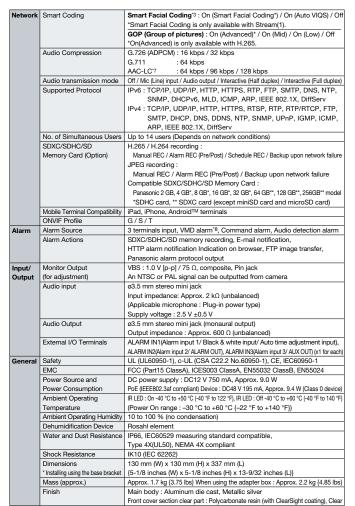


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- Safety Precaution : Carefully read the Basic Information, Installation Guide and
- Operating Instructions before using this product.
- Panasonic cannot be responsible for the performance of the network and/or other manufacturers' products used on 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

Ceiling Mount Bracket WV-QCL100-W (i-PRO white)

Pole Mount Bracket WV-Q188 (Fine silver)

Corner Mount Bracket WV-Q189 (Fine silver)

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

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