

Panasonic

BUSINESS

WV-S2531LN



باز خرید آنلاین

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تحت شبکه پاناسونیک

مشاهده محصولات



iA (intelligent Auto) H.265 Network Camera

Panasonic WV-S2531LN 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. 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 (0.0008 to 0.012 lx)
- H.265 Smart Coding
- ClearSight Coating
- 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



with Base Bracket



Specifications

Camera	Image Sensor	Approx. 1/3 type MOS image sensor
	Minimum Illumination	Color : 0.012 lx, BW : 0.006 lx (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 *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	144 dB (Super Dynamic : On)
	Adaptive Black Stretch	The level can be set in the range of 0 to 255.
	Back light compensation / High light compensation	BLC (Back light compensation) / HLC (High light compensation) / Off (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 / Auto Focus)
	Angular Field of View	[16 : 9 mode] Horizontal : 30° (TELE) - 108° (WIDE) Vertical : 17° (TELE) - 58° (WIDE) [4 : 3 mode] Horizontal : 25° (TELE) - 90° (WIDE) Vertical : 19° (TELE) - 65° (WIDE)
	Maximum Aperture Ratio	1 : 1.6 (WIDE) - 1 : 3.35 (TELE)
	Focusing Range	0.3 m {11-13/16 inches} - ∞
Adjusting Angle	Horizontal : ±180°, Vertical : -30 to +85°, Yaw : ±100°	
Browser GUI	Camera Control	Brightness, AUX On / Off
	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) 1,920 x 1,080 / 1,280 x 720 / 640 x 360 / 320 x 180
	H.265 / H.264 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 / H.264 ⁶	Transmission Mode Constant bit rate / VBR / Frame rate / Best effort
	JPEG	Transmission Type Unicast / Multicast
	Smart Coding	Image Quality 10 steps
		Smart Facial Coding ³ : On (Smart Facial Coding) / On (Auto VIQS) / Off *Smart Facial Coding is only available with Stream(1). GOP (Group of pictures) : On (Advanced) / On (Mid) / On (Low) / Off *On(Advanced) is only available with H.265.

*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.

Network	Audio Compression	G.726 (ADPCM) : 16 kbps / 32 kbps G.711 : 64 kbps AAC-LC ⁷ : 64 kbps / 96 kbps / 128 kbps	
	Audio transmission mode	Off / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full duplex)	
	Supported Protocol	IPv6 : TCP/IP, UDP/IP, HTTP, HTTPS, RTP, FTP, SMTP, DNS, NTP, SNMP, DHCPv6, MLD, ICMP, ARP, IEEE 802.1X, DiffServ IPv4 : TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP, FTP, SMTP, DHCP, DNS, DDNS, NTP, SNMP, UPnP, IGMP, ICMP, ARP, IEEE 802.1X, DiffServ	
	No. of Simultaneous Users	Up to 14 users (Depends on network conditions)	
	SDXC/SDHC/SD Memory Card (Option)	H.265 / H.264 recording : Manual REC / Alarm REC (Pre/Post) / Schedule REC / Backup upon network failure JPEG recording : Manual REC / Alarm REC (Pre/Post) / Backup upon network failure Compatible SDXC/SDHC/SD Memory Card : Panasonic 2 GB, 4 GB*, 8 GB*, 16 GB*, 32 GB*, 64 GB**, 128 GB**, 256 GB**model *SDHC card, **SDXC card (except miniSD card and microSD card)	
	Mobile Terminal Compatibility	iPad, iPhone, Android™ mobile terminals	
	Alarm	Alarm Source	3 terminals input, VMD alarm ⁸ , Command alarm, Audio detection alarm
		Alarm Actions	SDXC/SDHC/SD memory recording, E-mail notification, HTTP alarm notification Indication on browser, FTP image transfer, Panasonic alarm protocol output
	Input/Output	Monitor Output (for adjustment)	VBS : 1.0 V [p-p] / 75 Ω, composite, ø3.5 mm mini jack An NTSC or PAL signal can be outputted from camera
		Audio input	ø3.5 mm stereo mini jack Input impedance: Approx. 2 kΩ (unbalanced) (Applicable microphone : Plug-in power type) Supply voltage : 2.5 V ±0.5 V
Audio Output		ø3.5 mm stereo mini jack (monaural output) Output impedance : Approx. 600 Ω (unbalanced)	
General	External I/O Terminals	ALARM IN 1 (Black & white input, Auto time adjustment input) (x1), ALARM IN 2 (ALARM OUT) (x1), ALARM IN 3 (AUX OUT) (x1)	
	Safety	UL (UL60950-1), c-UL (CSA C22.2 No.60950-1), CE, IEC60950-1	
	EMC	FCC (Part15 ClassA), ICES003 ClassA, EN55032 ClassB, EN55024	
	Power Source and Power Consumption	DC power supply : DC12 V 750 mA, Approx. 9 W PoE (IEEE802.3af compliant) Device : DC48 V 195 mA, Approx. 9.4 W (Class 0 device)	
	Ambient Operating Temperature	IR LED : On -40 °C to +50 °C (-40 °F to 122 °F), IR LED : Off -40 °C to +60 °C (-40 °F to 140 °F) (Power On range : -30 °C to +60 °C (-22 °F to 140 °F))	
	Ambient Operating Humidity	10 to 100 % (no condensation)	
	Water and Dust Resistance	IP66, IEC60529 measuring standard compatible, Type 4X(UL50), NEMA 4X compliant	
	Shock Resistance	Compliant with 50J IEC60068-2-75, IK10 (IEC 62262)	
	Dimensions	ø164 mm x 139 mm (H) {ø6-15/32 inches x 5-15/32 inches (H)} * Installing using the base bracket Dome radius 42 mm {1-21/32 inches}	
	Mass (approx.)	When using base bracket : Approx. 1.6 kg {3.53 lbs} When using attachment plate : Approx. 1.2 kg {2.65 lbs}	
Finish	Main body : Aluminum die cast, Light gray Dome section : Clear polycarbonate resin (ClearSight coating)		

*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

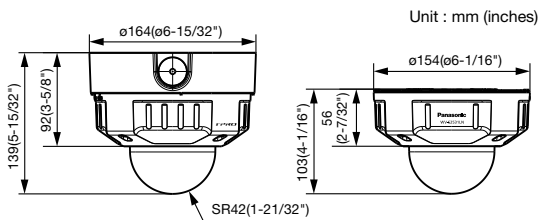
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Plug-in Software for i-VMD

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

Appearance



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Important

- Safety Precaution : Carefully read the Important 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.

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Optional Accessories

Fiber Optic Media Converter Unit

Extension Unit WV-S25F1 (Light gray)	Fiber Optic Media Converter Unit supports long distance optical networks by converting copper RJ45 to fiber.	Support specifications for SFP module
	Basic specifications	SFP Part Type
	Power source : 24 V AC(50 Hz/60 Hz)	LC type
	Ambient Operating Temperature : -40 °C to +60 °C (-40 °F to 140 °F) (Power On range : -30 to +60 (-22 °F to 140 °F))	Ethernet Speed : 100/1000 Mbps
	Ambient Operating Humidity : 10 % to 100 % (no condensation)	Supply voltage, current : 3.3 V typical, Max. 300 mA
	Waterproof : IP66(IEC60529)	SFP Cage : Standard mini-SFP cage (For 6.5 mm pitch SFP)
	Shock resistance : IK10(IEC62262)	
	*Refer to website for compatible SFP modules. https://security.panasonic.com/support/info/ <Control No. : C0504> *Different Color Model WV-X55F1 (Fine silver)	

Mount Bracket / Dome Cover / Other

Ceiling Mount Bracket (Embedded) WV-Q169A 	Dome Cover (Smoke type) WV-CW7S 	Dome Cover (Smoke type with ClearSight coating) WV-CW7SN 	Wall Mount Bracket WV-Q185 (Light gray) Different Color Model WV-Q122A (Fine silver) (This bracket requires WV-Q186 or WV-Q124.)	Mount Bracket WV-Q186 (Light gray) Different Color Model WV-Q124 (Fine silver) (This bracket requires WV-Q185 or WV-Q121B.)
Sun Shade WV-Q7118 	Ceiling Mount Bracket WV-Q105A 	Ceiling Mount Bracket WV-Q121B (This bracket requires WV-Q186 or WV-Q124.)	Pole Mount Bracket WV-Q182 (Light gray) Different Color Model WV-Q188 (Fine silver) (This bracket requires WV-Q185 or WV-Q122A.)	Corner Mount Bracket WV-Q183 (Light gray) Different Color Model WV-Q189 (Fine silver) (This bracket requires WV-Q185 or WV-Q122A.)

* The brackets are available in two colors, Light gray and Fine silver. It is possible to use them in the different color combination.

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