

WV-S22600-V2L WV-S22600-V2LG

New S-series wide lineup high resolution network camera with AI engine

6MP Vandal Resistant Indoor Dome Network Camera

Equipped with an AI processor, it can run up to three AI analytics applications (AI apps) simultaneously, which significantly improve the detection rate of people and vehicles and can be used in a wide range of surveillance scenes. It realizes high-quality and clearer images even in low-light and wide-range shooting scenes.

3 AI Apps operation at same time

- Up to 3 Al apps can be operated at the same time from the wide variety.
 Using Al processor which identifies object as people or vehicle, it will reduce false alarm compared to conventional model.
 As result, it can be used many industries.

High image quality / High compression

- Our original smart coding technology compatible with H.264 and H.265 delivers high-resolution video at high image quality and low bit rate. Achieved useful images by combining with highly visible images by the intelligent auto (iA) function.

Easy setting and installation

- Easy Kitting Package enabling installers to configure cameras easily while keeping the unit in the box.
- The grommet on the outdoor model can reduce the time and effort required for installation.
- User-friendly GUI (setting while watching Live view, etc.) allows you to set comfortably.
- iCT tool allows you to set multiple cameras, apps, and recorders all at once, reducing the camera setting time.

High security

- Equipped with FIPS 140-2 level 3 certified hardware in addition to the digital certificate issued by a third party organization (GlobalSign®).

Key i-PRO Spec.

- 6MP
- Intelligent Auto (with Al Engine)
- Super Dynamic 132dB
- Color night vision (0.04 to 0.06 lx)
 (G: 0.12 to 0.17 lx)
- Smart Coding (with AI Engine)
- Built-in IR LED
- IK10 Vandal Resistant
- ONVIF® Profile G / M / S / T *ONVIF is a trademark of ONVIF, Inc.
- FIPS 140-2 level3 certified

Industry examples

- Airport (Passport control / Security checkpoint / Ticket counter)
- Retail / Bank / Education / Hospital / Building



WV-S22600-V2L

WV-S22600-V2LG (Smoke Dome)

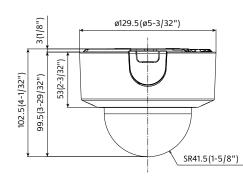


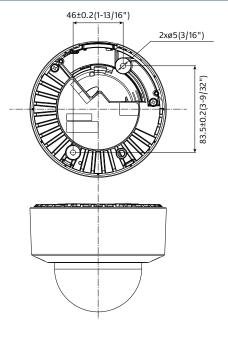
Specifications

Camera	Image Sensor	Approx. 1/1.8 type CMOS image sensor		
	Minimum Illumination	Color: 0.04 lx (G: 0.12 lx) (30IRE, F1.5, 1/30s) *1		
		Color: 0.06 lx (G: 0.17 lx) (50IRE, F1.5, 1/30s)		
		BW: 0.03 lx (G: 0.09 lx) (50IRE, F1.5, 1/30s) BW: 0 lx(50IRE, F1.5, 1/30s with IR LED)		
	White Balance	ATW1 / ATW2 / AWC		
	Shutter Speed	[30fps/15fps mode] 1/30 Fix to 1/10000 Fix		
		[25fps/12.5fps mode] 1/25 Fix to 1/10000 Fix On / Off		
	Intelligent Auto			
	Super Dynamic	On / Off, The level can be set in the range of 0 to 31.		
	Dynamic Range	Max.132 dB (Super Dynamic : On, Level 31)		
	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,		
		High / Middle / Low / Ort, Maximum irradiation distance: 50 m {Approx. 164 ft}(G: 35 m{Approx.115 ft}) (30IRE) *1		
		35 m {Approx. 115 ft}(G: 25 m{Approx.82 ft}) (50IRE)		
	Digital Noise Reduction	211 21 211		
	Video Motion Detection (VMD)	The level can be set in the range of 0 to 255. On / Off, 4 areas available		
Scene Change Detection (SCD) Audio Detection		On / Off, 1 areas available		
		On / Off		
Al Sound Classification Al Analytics		Gunshot, Yell, Vehicle horn, Glass break Yes		
		On / Off, Up to 8 zones available		
Image rotation*2		0 ° / 90 ° / 180 ° / 270 °		
	Camera Title (OSD)	On / Off, Up to 40 characters (alphanumeric characters, marks)		
	Focus Adjustment	Auto focus		
Lens	Optical zoom	2.0x (Motorized zoom / Motorized Focus)		
	Extra zoom	2.0x - 6.0x (when resolution is 1280 x 720)		
	Focal length	4.3 - 8.6 mm {5/32 inches - 11/32 inches}		
	Angular Field of View	[16:9 mode] *[4:3 mode] is not supported.		
	Maniana Annahara Batia	Horizontal : 52° (TELE) – 101° (WIDE), Vertical : 29° (TELE) – 55° (WIDE)		
	Maximum Aperture Ratio	1:1.5 (WIDE) - 1:2.4 (TELE)		
	Focus range	1.0 m {39-3/8 inches} - ∞		
DORI	Detect (25ppm / 8ppf)	Wide: 54.9 m / 180.0 ft, Tele: 136.5 m / 447.7 ft		
	Observe (62.5ppm / 19ppf)	Wide: 21.9 m / 72.0 ft, Tele: 54.6 m / 179.1 ft		
	Recognize (125ppm / 38ppf)	Wide: 11.0 m / 36.0 ft, Tele: 27.3 m / 89.5 ft		
	Identify (250ppm / 76ppf)	Wide: 5.5 m / 18.0 ft, Tele: 13.6 m / 44.8 ft		
	n Chip (SoC)	Ambarella CV22		
Adjusting		Horizontal : -240 to +120°, Vertical : -30 to +85°, Yaw : ±100°		
	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		
	Browser *3	Microsoft Edge, Firefox, Google Chrome		
Network		10Base-T / 100Base-TX, RJ45 connector		
	Resolution	[16:9 mode (30 fps mode)][16:9 mode (25 fps mode)]		
	H.265/ H.264/ JPEG (MJPEG)	3328x1872/2560x1440/1920x1080/1280x720/640x360/320x180		
	H.265/ Transmission Mode	Constant bit rate / VBR / Frame rate / Best effort		
	H.264 4 Transmission Type	Unicast port (AUTO) / Unicast port (MANUAL) / Multicast		
	JPEG Image Quality	10 steps		
	Smart Coding	GOP(Group of pictures) control:		
		Off/ Low (Variable GOP 1s-8s) / Mid (Variable GOP 4s-16s) /		
		Advanced (Fixed GOP 60s w/1s key-frame) /		
		Frame rate control (Variable GOP 4s-16s with frame rate control)		
		*Advanced and Frame rate control are only available with H.265. Smart VIQS: On(High)/On(Low)/Off, Smart P-picture control: On/Off		

Network	Audio Compression	G.726 (ADPCM) : 16 kbps / 32 kbps			
		G.711 : 64 kbps			
		AAC-LC*5 : 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, SSL/TLS, SMTP, DNS, NTP, SMMPV1/v2/v3 DHCPv6, RTP, MLD, ICMP, ARP, IEEE 802.1X, DiffServ, SFTP, MQTT, LLD IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, SSL/TLS, RTSP, RTP, RTP/RTCP, SMTP, DHCP, DNS, DDNS, NTP, SNMPv1/v2/v3, UPnP, IGMP, ICMP, ARP, IEEE 802.1X, DiffServ, SRTP, SFTP, MQTT, LLDP Up to 14 users (Depends on network conditions)			
	No. of Simultaneous Users				
	Secure	FIPS 140-2 level3			
	SDXC/SDHC/SD	H.265 / H.264 recording :			
	Memory Card	Manual REC / Alarm REC (Pre/Post) / Schedule REC / Backup upon network failur JPEG recording:			
		Manual REC / Alarm REC (Pre/Post) / Backup upon network failure			
		Compatible SDXC/SDHC/SD Memory Card : microSDXC memory card: 64 GB, 128 GB, 256 GB, 512 GB			
		microSDHC memory card: 4 GB, 8 GB, 16 GB, 32 GB			
		microSD memory card: 2 GB iPad, iPhone(iOS 8.0 or later), Android™ terminals			
	Mobile Terminal Compatibility				
	ONVIF® Profile	G / M / S / T			
Alarm	Alarm Source	3 terminals input, VMD alarm, Command alarm, Audio detection alarm			
	Alarm Actions	SDXC/SDHC/SD memory recording, E-mail notification,			
		HTTP alarm notification Indication on browser.			
		TCP alarm notification output			
Input/	Monitor Output	VBS: 1.0 V [p-p] / 75 Ω, composite, Pin jack			
Output	(for adjustment)	An NTSC or PAL signal can be outputted from camera			
·	Audio input	ø3.5 mm stereo mini jack			
	For microphone input :	Recommended applicable microphone : Plug-in power type			
		(Sensitivity of microphone : -51 dB to -38 dB (0 dB=1 V/Pa, 1 kHz))			
		Input impedance : Approx. 2 kΩ (unbalanced)			
		Supply voltage: 2.5 V ±0.5 V			
	For line input :	Input level : Approx10 dBV			
	Audio Output	ø3.5 mm stereo mini jack (monaural output)			
		Output impedance : Approx. 600 Ω (unbalanced)			
		Output level : -20 dBV			
	External I/O Terminals	ALARM IN 1 (Alarm input 1/ Black & white input/ Auto time adjustment input) (x			
		ALARM IN 2 (Alarm input 2/ ALARM OUT) (x1)			
		ALARM IN 3 (Alarm input 3/ AUX OUT) (x1)			
General	Safety	UL (UL62368-1), c-UL (CSA C22.2 No.62368-1), CE, IEC62368-1			
	EMC	FCC (Part15 ClassA), ICES-003 ClassA, EN55032 ClassA, EN55035			
	Power Source and	DC power supply : DC12 V 1.0 A, Approx. 12.0 W			
	Power Consumption	PoE (IEEE802.3af compliant) Device : DC48 V 240 mA, Approx. 11.5 W (Class 0 c			
	Ambient Operating	-10 °C to +50 °C (14 °F to 122 °F)			
	Temperature	(Power On range: 0 °C to 50 °C {32°F to 122 °F})			
	Shock Resistance	IK10 (IEC 62262)			
	Ambient Operating Humidity	10 to 90 % (no condensation)			
	Dimensions	ø129.5 mm x 102.5 mm (H) {ø5-3/32 inches x 4-1/32 inches (H)}			
		ø129.5 mm x 102.5 mm (H) {ø5-3/32 inches x 4-1/32 inches (H)} Dome radius 41.5 mm {1-5/8 inches}			
	Dimensions	Dome radius 41.5 mm {1-5/8 inches}			

Appearance





Unit: mm (inches)

¹ Converted value
2 When the 320x180 resolution is used, the "90°" and "270°" settings are not available.
3 For information on the operation verification of the supported web browsers, refer to our support website <Control No.: C0132>.
4 Transmission for 4 streams can be individually set.
5 When recording audio on an microSD memory card, only use AAC-LC (Advanced Audio Coding - Low Complexity).

Al Analytics applications

https://i-pro.com/global/en/surveillance/products/i-pro-ai-application

Al Video Motion Detection (Al-VMD)

Advanced video analysis technology detects objects (faces, people, cars, motorcycles) in a specified area. (Intruder Detection, Loitering Detection, Direction Detection, Cross Line Detection)

Al Privacy Guard

To protect privacy and portrait rights, it is possible to automatically apply a mosaic the entire face and figure of a person photographed by the camera.

AI Face Detection

Detects faces with high precision even in low-light, backlit, and mask-wearing environments.

Al People Detection

Extract the characteristics of human face / clothing and classify them into meaningful categories such as gender, age, and clothing color.

3rd party applications are also available.

https://i-pro.com/global/en/surveillance/i-pro-application-platform/application-list

Al Vehicle Detection

Extract vehicle characteristics and classify them into meaningful categories such as type and color.

Al Non mask Detection

Deep-learning and proprietary image processing technologies recognize mask and detect people who are not wearing them.

Al Occupancy Detection

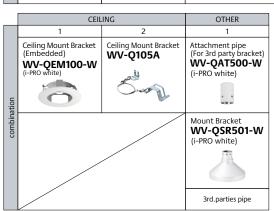
Detecting the congestion via network camera with AI engine enables that information to be used direct visitors in advance or help store staff work more efficiently.

Optional Accessories

Mount Bracket / Other

	W	ALL	POLE	CORNER	HANGING	
	1	2	1	1	1	2
combination	Wall Mount Bracket WV-QWL501-W (i-PRO white)	Wall Mount Bracket WV-QWL500-W (i-PRO white)	Pole Mount Bracket WV-QPL500-W (i-PRO white)	Corner Mount Bracket WV-QCN500-W (i-PRO white)	Ceiling Mount Bracket WV-QCL501-W (i-PRO white)	Ceiling Mount Bracket WV-QCL100-W '1 (i-PRO white)
			100			
	Mount Bracket WV-QSR501-W (i-PRO white)	Adapter Box WV-QJB500-W (i-PRO white)	Wall Mount Bracket WV-QWL500-W (i-PRO white) (+ WV-QJB500-W)	Wall Mount Bracket WV-QWL500-W (i-PRO white) (+ WV-QJB500-W)	Mount Bracket WV-QSR501-W (i-PRO white)	
	8	"If needed.	+ 0	+ 0	8	3rd.parties pipe

^{*1:} It's possible to be used on the camera side and ceiling side. If used on both side, 2pieces are required.



Dome Cover



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Important

- Safety Precautions: Carefully read the Basic Information, Installation Guide and Operating Instructions before using this product.
- i-PRO Co., Ltd. cannot be held 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.

