

WV-S25600-V2LN

New S-series wide lineup high resolution network camera with AI engine 6MP Vandal Resistant Outdoor 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 AI apps can be operated at the same time from the wide variety.
 Using AI 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)
- Smart Coding (with Al Engine)
- ClearSight Coating
- Built-in IR LED
- 50J, IK10 Vandal Resistant
- ONVIF[®] Profile G / M / S / T *ONVIF is a trademark of ONVIF, Inc.
- FIPS 140-2 level3 certified

Industry examples

- Safe Cities
- Transportation (Airport / Train, Subway station)
- Bank (ATM, Entrance)
- Retail / Logistics / Education / Hospital / Building





Specifications

-pee	incations						
Camera	Image Sensor	Approx. 1/1.8 type CMOS image sensor					
	Minimum Illumination	Color : 0.04 lx (30IRE, F1.5, 1/30s) *1					
		Color : 0.06 lx (50IRE, F1.5, 1/30s)					
		BW : 0.03 lx (50IRE, F1.5, 1/305) BW : 0 lx (50IRE, F1.5, 1/30s with IR LED) ATW1 / ATW2 / AWC					
	White Balance						
	Shutter Speed	[30 fps/15 fps mode] 1/30 Fix to 1/10000 Fix					
		[25 fps/12.5 fps mode] 1/25 Fix to 1/10000 Fix					
	Intelligent Auto	On / Off					
	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,					
	IN LED LIGHT	Maximum irradiation distance : 70 m {Approx. 230 ft} (30IRE) *1					
		50 m {Approx. 164 ft} (50IRE)					
	Digital Noise Reduction	The level can be set in the range of 0 to 255.					
	Video Motion Detection (VMD)	On / Off, 4 areas available					
	Scene Change Detection (SCD)	On / Off, 1 areas available					
	Audio Detection	On / Off					
	AI Sound Classification	Gunshot, Yell, Vehicle horn, Glass break					
	AI Analytics	Yes					
	Privacy Zone	On / Off, Up to 8 zones available					
VIQS		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.					
		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					
System o	n Chip (SoC)	Ambarella CV22					
Adjusting		Horizontal : -194 to +166°, Vertical : -30 to +85°, Yaw : ±100°					
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					
	Browser*3	Microsoft Edge, Firefox, Google Chrome					
Nationali	Network IF	10Base-T / 100Base-TX, RJ45 connector					
Network	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 Constant bit rate / VBR / Frame rate / Best effort					
	H.265/ Transmission Mode	Unicast port (AUTO) / Unicast port (MANUAL) / Multicast					
	H.264 ^{*4} Transmission Type						
	JPEG Image Quality	10 steps					

*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.

	6 1 6 F					
Network 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				
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, SNMPv1/v2/v3,				
		DHCPv6, RTP, MLD, ICMP, ARP, IEEE 802.1X, DiffServ, SFTP, MQTT, LLDP				
		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				
	No. of Simultaneous Users	Up to 14 users (Depends on network conditions)				
	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 failure				
		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				
	Mobile Terminal Compatibility	iPad, iPhone(iOS 8.0 or later), Android™ terminals				
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 ^{*6}	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 ^{*6}	ø3.5 mm stereo mini jack (monaural output)				
		Output impedance : Approx. 600 Ω (unbalanced)				
		Output level : -20 dBV				
	External I/O Terminals ^{*6}	ALARM IN 1 (Alarm input 1/ Black & white input/ Auto time adjustment input) (x1)				
		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 ^{*6} : 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 device)				
	Ambient Operating	-40 °C to +60 °C (-40 °F to 140 °F)*7				
	Temperature	(Power On range : -30 °C to +60 °C {-22 °F to +140 °F})				
	Ambient Operating Humidity	10 to 100 % (no condensation)				
	Anti-Condensation System	Temish element + Heater + moisture absorption gel				
	Water and Dust Resistance	IP66, IEC60529 measuring standard compatible, Type 4X(UL50E), NEMA 4X compliant				
	Shock Resistance	50J (IEC 60068-2-75 compliant), IK10 (IEC62262)				
	Dimensions	ø154 mm x 105 mm (H) {ø6-1/16 inches x 4-1/8 inches (H)}				
	Mass (approx.)	Approx. 1.1 kg {2.43 lbs.}				
	Finish	Main body : Aluminum die cast, i-PRO white				
		Outer fixing screws : Stainless steel (Corrosion-resistant treatment)				
		Dome section : Polycarbonate resin, Clear (with ClearSight coating)				
		,,,,				

*5 When recording audio on an microSD memory card, only use AAC-LC (Advanced Audio Coding - Low Complexity). *6 When using with these, WV-QCA501A cable is required *7 When using with the IR LED light constantly lit, the upper limit of the operating temperature range is +50 °C {+122 °F}.

AI Analytics applications

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

AI Video Motion Detection (AI-VMD)

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

AI 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.

AI People Detection

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

AI Vehicle Detection

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

AI Non mask Detection

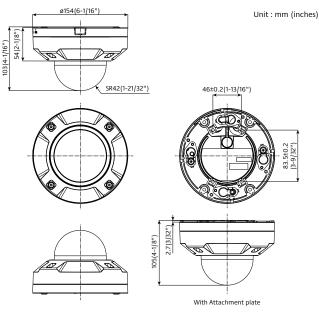
Deep-learning and proprietary image processing technologies recognize mask and detect people who are not wearing them.

AI 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.

3rd party applications are also available.

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



Optional Accessories

Fiber Optic Media Converter Unit

-optic Media Converter Unit Fiber Optic Media Converter Unit supports long distance optical networks by converting copper RJ45 to fiber.

WV-S25F1 (Light gray)

Basic specifications	 Support specification 		
Power source	24 V AC(50 Hz/60 Hz)	SFP Port Type	LC t
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
Ambient Operating Humidity :	10 % to 100 %(no condensation)	Supply voltage, current	3.3
Waterproof	IP66(IEC60529)	SFP Cage	Star
Shock resistance	IK10(IEC62262)		(For

ons for SFP module type 0/1000 Mbps 3 V typical, Max. 300 mA andard mini-SFP cage or 6.5 mm pitch SFP)

*This unit requires an SFP module. *Refer to website for compatible SFP modules. https://i-pro.com/global/en/surveillance/training-support/support/technical-information <Control No. : C0504>

Mount Bracket / Other

		WALL			POLE			CORNER		
		1 2		3	1		1			
		Wall Mount Bracket Wall Mount Bracket WV-QWL501-W (i-PRO white) (i-PRO white) Sun Shade (i-PRO white)		WV-QSR500-W	Pole Mount Bracket WV-QPL500-W (i-PRO white)		Corner Mount Bracket WV-QCN500-W (i-PRO white)			
	combination	-		C						
mor	com	Mount Bracket WV-QSR501-W (i-PRO white)	Adapter Box WV-QJB500-W (i-PRO white)	Base Bracket WV-QJB501-W (i-PRO white)	WV-QWL501-W(i-PRC WV-QSR501-W(i-PRO	white) WV-QWL500-			501-W (i-PRO white) 501-W (i-PRO white)	Wall Mount Bracket WV-QWL500-W(i-PRO white) (+ WV-QJB500-W)
		8	"If needed.	Do 1	+		+		+ 🍐	+
	Г	HANGING			CEILING OTH		R			
		1	2	1	2	3	1			
		Ceiling Mount Bracket	Ceiling Mount Bracket	Ceiling Mount Bracket (Embedded)	Base Bracket	Ceiling Mount Bracket	Attachment p (For 3rd party			

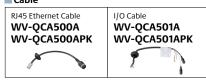


*1 : It's possible to be used on the camera side and ceiling side. If used on both side, 2pieces are required.

Dome Cover



Cable



*WV-QCA500APK and WV-QCA501APK are package of 10 cables. *The color of the grommet rubber may differ depending on the production time, but the performance and mounting method will not change.

Trademarks and registered trademarks

- GlobalSign and the GlobalSign Logo are registered trademarks of GMO GlobalSign K.K.
 Pad and iPhone are trademarks of Apple Inc., registered in the U.S. and other countries.
- Android is a trademark of Google LLC.
 ONVIF is a trademark of ONVIF, Inc.

- All other trademarks identified herein are the property of their respective owners.

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.



i-PRO Co., Ltd. https://i-pro.com/ (2A-349AA)