

WV-S25600-V2LG

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.

*The kitting process should be done within 1hour. The inside of the camera gets hot and may cause a malfunction.

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 AI Engine)
- Super Dynamic 132dB
- Color night vision (0.12 to 0.17 lx)
- Smart Coding (with AI Engine)
- Built-in IR LED
- ONVIF[®] Profile G / M / S / T *ONVIF is a trademark of ONVIF, Inc.

Industry examples

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





Specifications

spec	incations				
Camera	Image Sensor	Approx. 1/1.8 type CMOS image sensor			
	Minimum Illumination	Color : 0.12 lx (30IRE, F1.5, 1/30s) *1			
		Color : 0.17 lx (50IRE, F1.5, 1/30s)			
White Balance		BW : 0.09 lx (50 RE, F1.5, 1/30s)			
		BW : 0 lx (50IRE, F1.5,1/30s with IR LED)			
		ATW1 / ATW2 / AWC			
	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*2		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) /			
	color bw (icit)	Auto2 (IR Light On) / Auto3 (SCC)			
	IR LED Light	High / Middle / Low / Off,			
	IK LED LIGIT	Maximum irradiation distance : 45 m {Approx. 148 ft} (30IRE) *1			
	Disital Naisa Daduatian	35 m (Approx. 115 ft) (50IRE) The level can be set in the range of 0 to 255.			
	Digital Noise Reduction				
	Video Motion Detection (VMD)				
	Scene Change Detection (SCD)	On / Off, 1 areas available			
	Audio Detection	On / Off			
	Al Sound Classification	Gunshot, Yell, Vehicle horn, Glass break			
	Al Analytics	Yes			
	Privacy Zone	On / Off, Up to 8 zones available			
	VIQS	On / Off, Up to 8 zones available			
	Image rotation ^{*3}	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			
	n Chip (SoC)	Ambarella CV22			
Adjusting Angle		Horizontal : -194 to +166°, Vertical : -30 to +85°, Yaw : ±100°			
		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*4	Microsoft Edge, Firefox, Google Chrome			
Network	Network IF	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 ^{*6} Transmission Type	Unicast port (AUTO) / Unicast port (MANUAL) / Multicast			
	JPEG Image Quality	10 steps			

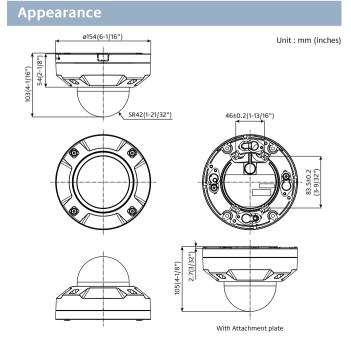
*1 Converted value

*2 When 60 fps or 50 fps is selected, the Super Dynamic function is automatically set to off.

2 when the for first of a part is selected, the appendix function is automating set to open and "270°" settings are not available. When the 320x180 resolution is used, the "90°" and "270°" settings are not available.

*4 For information on the operation verification of the supported web browsers, refer to our support website <Control No.: C0132>. *5 Used by super resolution techniques

*6 Transmission for 4 streams can be individually set.



etwork	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 ^{*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, 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			
larm	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			
put/	Monitor Output	VBS : 1.0 V [p-p] / 75 Ω, composite, Pin jack			
utput	(for adjustment)	An NTSC or PAL signal can be outputted from camera			
	Audio input ^{*8}	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 : Approx. –10 dBV			
	Audio Output ^{*8}	ø3.5 mm stereo mini jack (monaural output)			
		Output impedance : Approx. 600 Ω (unbalanced)			
		Output level : -20 dBV			
	External I/O Terminals ^{*8}	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)			
eneral	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'8 : 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)*9			
	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			
	Anti-Condensation System Water and Dust Resistance	Temish element + Heater + moisture absorption gel IP66, IEC60529 measuring standard compatible, Type 4X(UL50E), NEMA 4X compliant			
	Anti-Condensation System	IP66, IEC60529 measuring standard compatible, Type 4X(UL50E), NEMA 4X compliant IK10 (IEC 62262)			
	Anti-Condensation System Water and Dust Resistance	IP66, IEC60529 measuring standard compatible, Type 4X(UL50E), NEMA 4X compliant			
	Anti-Condensation System Water and Dust Resistance Shock Resistance	IP66, IEC60529 measuring standard compatible, Type 4X(UL50E), NEMA 4X compliant IK10 (IEC 62262)			
	Anti-Condensation System Water and Dust Resistance Shock Resistance Dimensions	IP66, IEC60529 measuring standard compatible, Type 4X[UL50E], NEMA 4X compliant IK10 (IEC 62262) ø154 mm x 105 mm (H) {ø6-1/16 inches x 4-1/8 inches (H)}			
	Anti-Condensation System Water and Dust Resistance Shock Resistance Dimensions Mass (approx.)	IP66, IEC60529 measuring standard compatible, Type 4X(UL50E), NEMA 4X compliant IR10 (IEC 62262) ø154 mm x 105 mm (H) {ø6-1/16 inches x 4-1/8 inches (H)} Approx. 1.1 kg (2.43 lb5.)			

*7 When recording audio on an microSD memory card, only use AAC-LC (Advanced Audio Coding - Low Complexity). *8 When using with these, WV-QCA501A cable is required.

*9 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

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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

Mount Bracket / Other CORNER POLE WALL 1 2 3 1 2 1 2 Sun Shade Pole Mount Bracket Corner Mount Bracket Wall Mount Bracket Wall Mount Bracket WV-QSR500-W (White) **PWM485W** WV-QWL500-W PAPM4W PACA4W (White) (White) (White) (White) .* combination Wall Mount Bracket WV-QWL500-W(White) Conduit Adapter Adapter Box Base Bracket Wall Mount Bracket Wall Mount Bracket Wall Mount Bracket WV-QJB500-W (White) PAPM6 WV-QJB501-W WV-QWL500-W(White) **PWM485W PWM485W** (Black) (White) (White) (+ WV-QJB500-W) (White) (+ WV-QJB500-W) 0 101 'lf ne 'If needed

	HANGING			PARAPET	CEILING		
combination	1	2	3	1	1	2	3
	Ceiling Mount Bracket WV-QCL501-W (White)	Ceiling Mount Bracket WV-QCL101-W (White) *For indoor instalation only.	Ceiling Mount Bracket WV-QCL101-W *1 (White) *For indoor instalation only.	Parapet Mount Bracket PPRM35W (White)	Ceiling Mount Bracket (Embedded) WV-QEM500-W (White)	Base Bracket WV-QJB501-W (White)	Ceiling Mount Bracket WV-Q105A
	Mount Bracket WV-QSR501-W (White)	Mount Bracket PS485W (White)	This bracket requires 1 ½" NPT pipe.	Mount Bracket PS485W (White)			

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

Dome Cover

Dome Cover	Dome Cover	Dome Cover	
(Smoke type)	(Smoke type with ClearSight coating)	(Clear type with ClearSight coating)	
WV-CW7S	WV-CW7SN	WV-CW7CN	
		0	

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.

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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.



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