

# WV-S25700-V2LN

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

# 4K Vandal Resistant Outdoor Dome Network Camera

The 5MP/6MP/4K varifocal lens model, a high-resolution network camera will be added to the lineup of the well-established new S series.

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. With the released of total 34 models, including fixed focus, black body, smoke dome, and derivative models such as heavy salt damage resistant models, to support a wide variety of security monitoring applications.

# 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.

\*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.

- 4K
- Intelligent Auto (with Al Engine)
- Super Dynamic 132dB
- Color night vision (0.04 to 0.06 lx)
- Smart Coding (with AI Engine)
- ClearSight Coating
- Built-in IR LED
- Fiber Optic Media Converter Unit (Optional WV-S25F1)
- 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

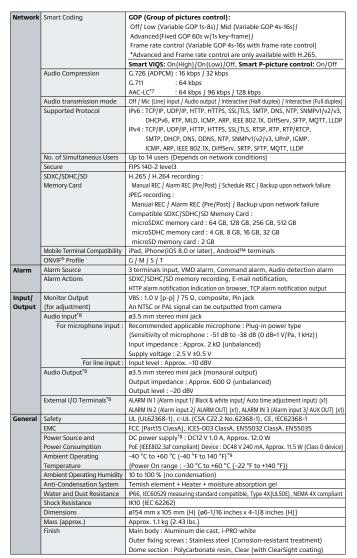




## Specifications

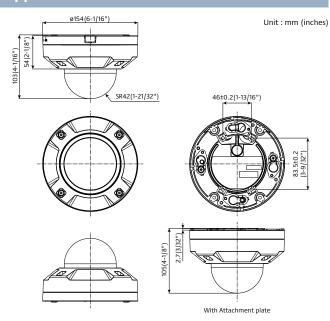
Sher	iiica	tions			
Camera	Image S	ensor	Approx. 1/1.8 type CMOS image sensor		
	Minimum Illumination		Color : 0.04 lx (30IRE, F1.5, 1/30s) *1		
			Color: 0.06 lx (50IRE, F1.5, 1/30s)		
			BW: 0.03 lx (50IRE, F1.5, 1/30s)		
			BW: 0 lx (50IRE, F1.5,1/30s with IR LED)		
	White Balance		ATW1 / ATW2 / AWC		
	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) /		
	22.3.70.0 (10.0)		Auto2 (IR Light On) / Auto3 (SCC)		
	IR LED Li	aht	High / Middle / Low / Off,		
		5	Maximum irradiation distance : 70 m {Approx. 230 ft} (30IRE) *1		
			50 m {Approx. 164 ft} (50IRE)		
	Digital N	loise Reduction	The level can be set in the range of 0 to 255.		
		tion Detection (VMD)			
		ange Detection (SCD)	On / Off, 1 areas available		
		etection	On / Off		
		Classification	Gunshot, Yell, Vehicle horn, Glass break		
	Al Analy		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 ler		4.3 - 8.6 mm {5/32 inches - 11/32 inches}		
	Angular Field of View		[16:9 mode] *[4:3 mode] is not supported.		
	/ ingulai	ricid or view	Horizontal: 52° (TELE) – 101° (WIDE), Vertical: 29° (TELE) – 55° (WIDE)		
	Maximu	m Aperture Ratio	1:1.5 (WIDE) -1:2.4 (TELE)		
	Focus range		1.0 m {39-3/8 inches} - ∞		
DORI	Detect (25ppm / 8ppf)		Wide: 63.3 m / 207.7 ft, Tele: 157.5 m / 516.6 ft		
20		(62.5ppm / 19ppf)	Wide: 25.3 m / 83.1 ft, Tele: 63.0 m / 206.6 ft		
		ze (125ppm / 38ppf)	Wide: 12.7 m / 41.5 ft, Tele: 31.5 m / 103.3 ft		
		(250ppm / 76ppf)	Wide: 6.3 m / 20.8 ft, Tele: 15.7 m / 51.7 ft		
System o			Ambarella CV22		
Adjusting		100,	Horizontal : -194 to +166°, Vertical : -30 to +85°, Yaw : ±100°		
Browser	Camera	Control	Brightness, AUX On / Off		
GUI	Audio	Control	Mic (Line) Input: On / Off Volume adjustment: Low / Middle / High		
	Addio		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		
wetwork	Network IF Resolution		[16 : 9 mode (30 fps mode)][16 : 9 mode (25 fps mode)]		
		H.264/ JPEG (MJPEG)			
			Constant bit rate / VBR / Frame rate / Best effort		
		Transmission Mode	Unicast port (AUTO) / Unicast port (MANUAL) / Multicast		
		Transmission Type	10 steps		
	JF LU	Image Quality	In archa		

<sup>1</sup> Converted value



<sup>\*7</sup> When recording audio on an microSD memory card, only use AAC-LC (Advanced Audio Coding - Low Complexity) \*8 When using with these, WV-OCA501A cable is required

## **Appearance**



## 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.

#### **AI 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 enal direct visitors in advance or help store staff work more efficiently. estion via network camera with AI engine enables that information to be used

3rd party applications are also available.

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

<sup>\*2</sup> When 60 fps or 50 fps is selected, the Super Dynamic function is automatically set to off.

<sup>\*3</sup> When the 60 fps mode, 50 fps mode, 15 fps mode or 12.5 fps mode is used, the "90°" and "270°" settings are not available. When the 320x180 resolution is used, the "90°" and "270°" settings are not available

<sup>\*4</sup> For information on the operation verification of the supported web browsers, refer to our support website <Control No.: C0132>.

<sup>\*5</sup> Used by super resolution techniques \*6 Transmission for 4 streams can be individually set

<sup>\*9</sup> When using with the IR LED light constantly lit, the upper limit of the operating temperature range is +50 °C {+122 °F}.

## **Optional Accessories**

#### Fiber Optic Media Converter Unit

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

WV-S25F1



• Basic specifications

•	
Power source	24 V AC(50 Hz/60 Hz)
Ambient Operating Temperature :	-40 °C to +60 °C {-40 °F to 140 °F} (Power On range: -30 to +60 {-22 °F to 140 °F})
Ambient Operating Humidity:	10 % to 100 %(no condensation)
Waterproof	IP66(IEC60529)
Shock resistance	IK10(IEC62262)

\*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>

• Support specifications for SFP module

SFP Port Type	LC type
Ethernet Speed	100/1000 Mbps
Supply voltage, current	3.3 V typical, Max. 300 mA
SFP Cage	Standard mini-SFP cage
	(For 6.5 mm pitch SFP)

\*Different Color Model WV-X65F1 (Fine silver)

#### ■ Mount Bracket / Other

	WALL		POLE	CORNER	HANGING		
	1	2	3	1	1	1	2
combination	Wall Mount Bracket WV-QWL501-W (i-PRO white)	Wall Mount Bracket WV-QWL500-W (i-PRO white)	Sun Shade WV-QSR500-W (i-PRO white)	Pole Mount Bracket <b>WV-QPL500-W</b> (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)
			<b>(0)</b>				*For indoor installation only.
	Mount Bracket WV-QSR501-W (i-PRO white)	Adapter Box WV-QJB500-W (i-PRO white)	Base Bracket WV-QJB501-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

		OTHER			
_		OTHER			
combination	1	2	3	1	
	Ceiling Mount Bracket (Embedded) WV-QEM500-W (i-PRO white)	Base Bracket WV-QJB501-W (i-PRO white)	Ceiling Mount Bracket WV-Q105A  'For indoor installation only.	Attachment pipe (For 3rd party bracket) WV-QAT500-W (i-PRO white)	
		Mount Bracket WV-QSR501-W (i-PRO white)			

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

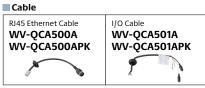
### Dome Cover



Dome Cover (Smoke type with ClearSight coating) WV-CW7SN







- \*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.

