

WV-S8564LG WV-S8564LG

(-G:Smoke Dome type)

Industry thinnest* multi-sensor cameras with Al Engine *the thinnest: i-PRO own research as of February 2022

4x6MP(25MP) IR Outdoor Multi-Sensor Network Camera with AI Engine

i-PRO releases 8 the industry thinnest multi-sensor cameras with AI Engine with lineup of 4MP/6MP/4K, 3eyes/4eyes with built-in IR LED. It is installed AI analytics applications which identify people and vehicles automatically, and users are able to start the latest surveillance technologies easily. It is designed to reduce installation time (thin and light weight) and continuous view assistance provides you 360/270-degree continuous images.

Key features

- The thinnest multi-sensor camera (3.5 inches/90 mm)
 It can be fitted in not only outside, but it also is fitted in inside the facility.
 (Low profile/Blends in seamlessly with environment)
 Even though it is rated IK10, it achieves the light weight body.
- A variety kinds of AI Apps selection

It can install and use up to 4 different types of AI Apps all together. 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. Also, new multi-sensor has IR-LED function which will increase AI intruder detection accuracy in the low light environment.

- Easy installation
 - · Just 1 LAN cable covers 4 directions.
 - · Thin and hook architecture make easy installation
 - \cdot Continuous view assistance by using smartphone navigates you the best angle position.
 - · You can change angle by using motorized zoom after installation.*4MP model only
- High security

New multi-sensor camera has equipped FIPS 140-2 level3 certified hardware to upgrade its security standard. Combining pre-installing digital certificates issued by a third party organization (Global Sign) and this, we can declare i-PRO high security level to those who cares cyber security.

Key i-PRO Spec.

- 4 x 6MP(25MP) 3328x1872 up to 15fps
- 360° coverage with one IP address
- Intelligent Auto (with AI Engine)
- Super Dynamic 120dB
- Color night vision (0.084 to 0.12 lx)
- Smart Coding (with Al Engine)
- Built-in 360° IR LED
- Continuous view assistance
- Wide range tilt angle adjustment mechanism
- ONVIF® Profile G / M / S / T *ONVIF is a trademark of ONVIF, Inc.
- FIPS 140-2 level3 certified

Industry examples

- Public safety (City / Highway toll / Parking gate)
- Transportation (Airport / Train / Subway)
- Education
- Retail







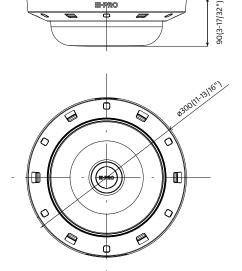
Specifications

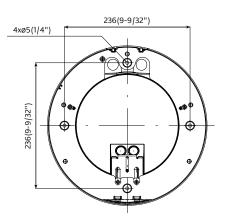
Camera	Image S	ensor	4x 1/2.8 type CMOS image sensor				
		m Illumination	Color: 0.084 lx (-G: 0.24 lx) {30IRE, F1.44, 1/30 s}*1				
	winiiii iii iii iii iii iii iii iii iii		Color: 0.12 lx (-G: 0.34 lx) {50IRE, F1.44, 1/30 s}				
			COIOT :				
			BW: 0 lx {50IRE, F1.44, 1/30 s with IR LED}				
	White Balance		ATW1 / ATW2 / AWC				
	Maximum shutter		15 fps mode: Max.1/10000s to Max.16/30s				
	Maximum shutter		12.5 fps mode: Max.1/10000s to Max.16/25s				
	Intelligent Auto		On / Off				
Intelligent Auto Super Dynamic			On / Off, The level can be set in the range of 0 to 31.				
		•	3				
Dynamic Range Adaptive Black Stretch Back light compensation / High light compensation			Max.120 dB (Super Dynamic : On, Level 31)				
			The level can be set in the range of 0 to 255.				
			BLC (Back light compensation) / HLC (High light compensation) / Off (only when Super dynamic / Intelligent Auto : Off)				
		ım 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 L	ight	High / Middle / Low / Off				
			Maximum irradiation distance :				
			40 m {Approx. 131 ft} / (-G): 30 m {Approx. 99 ft} (30IRE)*1				
			30 m {Approx. 99 ft} / (-G): 21 m {Approx. 69 ft} (50IRE)				
	Digital Noise Reduction		The level can be set in the range of 0 to 255.				
	Panorama		Panorama mode (H: 180 deg.)				
	Video Motion Detection (VMD)		On / Off, 4 areas available				
	Scene Change Detection (SCD)		On / Off, 1 areas available				
	Audio Detection		On / Off				
	Al Sound Classification		Selectable from 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*2		0° (Off) / 90° / 180° (Upside-down) / 270°				
			On / Off, Up to 40 characters, Up to 2 Lines (alphanumeric characters, marks				
	Camera Title (OSD) Focus Adjustment		Oil / Oil, Op to 40 characters, Op to 2 cines (alphanument characters, mark				
			11/2				
Lens	Optical zoom		1x				
	Extra zoom		max 5x (when resolution is 640x360)				
	Focal length		3.1 mm {1/8 inches}				
	Angular Field of View		Horizontal : 108°, Vertical : 56°				
	Maximum Aperture Ratio		1:1.4				
	Focus range		3 m {9.84 ft} - ∞				
DORI		(25ppm / 8ppf)	56.8 m / 186.4 ft				
		(62.5ppm / 19ppf)	22.7 m / 74.6 ft				
		ze (125ppm / 38ppf)	11.4 m / 37.3 ft				
	Identify (250ppm / 76ppf)		5.7 m / 18.6 ft				
System o		SoC)	Ambarella CV2				
Adjusting	g Angle		Camera 1, 2, 3, 4 :				
			Horizontal : ±125° (Adjust by horizontal (PAN) angle)				
			Vertical : +10° to +105° (Adjust by vertical (TILT) angle)				
			Yaw : ±90° (Adjust by azimuth (YAW) angle)				
			Twist : ±30°				
			*The above is the adjustable range of a single camera.				
			The adjustable range of each camera varies according to				
			the positional relationship with other cameras.				
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, Japanes				
	Browser*3		Microsoft Edge, Firefox, Google Chrome				
Motoroni			10Base-T / 100Base-TX / 1000Base-T, RJ45 connector				
Network			[16 : 9 mode]				
	Resolution		106 : 9 mode 3328x1872 2560×1440 1920×1080 1280×720 640×360 320×180				
	H.265/ H.264/ JPEG (MJPEG)		3328X1872 2560×1440 1920×1080 1280×720 640×360 320×180 Constant bit rate VBR Frame rate Best effort				
	H.265/ Transmission Mode						
	H.264*4 Transmission Type		Unicast port (AUTO) / Unicast port (MANUAL) / Multicast				
		Image Quality	10 steps				

Network	Smart Coding	GOP (Group of pictures) control :				
		On (Frame rate control)* / On (Advanced)* / On (Mid) / On (Low) / Off				
		*On (Frame rate control) and On (Advanced) 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, LLDP, MQTT				
		IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, SSL/TLS, RTSP, RTP, RTP/RTCP, SMTP, DHCP, DNS, DDN				
		NTP, SNMPv1/v2/v3, UPnP, IGMP, ICMP, ARP, IEEE 802.1X, DiffServ, SRTP, LLDP, MQT				
	No. of Simultaneous Users	Up to 24 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 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 microSDMC memory card : 4 GB, 8 GB, 16 GB, 32 GB microSD memory card : 2 GB				
	Mobile Terminal Compatibility	iPad, iPhone, Android™ terminals				
	ONVIF® Profile	G/M/S/T				
Alarm	Alarm Source	3 terminals input, VMD alarm, SCD 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 (for adjustment)					
Output	Audio input*6	ø3.5 mm stereo mini jack				
	For microphone input :	Recommended applicable microphone : Plug-in power type				
		(Sensitivity of microphone : -48 dB±3 dB (0 dB=1 V/Pa, 1 kHz))				
		Input impedance : Approx. 2 kΩ (unbalanced)				
		Supply voltage: 2.4 V ±0.5 V				
	For line input :	Input level : Approx. –10 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)				
	<i>'</i>	ALARM IN 2 (Alarm input 2/ ALARM OUT) (x1), ALARM IN 3 (Alarm input 3/ ALARM OUT/ 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, EN55024				
	Power Source and	PoE+ (IEEE802.3at compliant):				
	Power Consumption	DC 54 V: 470 mA/Approx. 25.4 W (Class 4 device)				
	Ambient Operating	-40 °C to +60 °C*7 {-40 °F to 140 °F}				
	Temperature	(Power On range: -20 °C to +60 °C {-4 °F to 140 °F})				
	·	Maximum temperature according to NEMA TS 2 (2.2.7): 74 °C(165 °F)				
	Ambient Operating Humidity	10 to 100 % (no condensation)				
	Anti-Condensation System	Temish element + moisture absorption gel				
	Water and Dust Resistance	IP67/IP66 (IEC 60529), Type 4X (UL50E), NEMA 4X compliant				
	Shock Resistance	IK10 (IEC62262)				
	Other standard support	NEMA TS 2 (2.2.7-2.2.9)				
	Dimensions	When using the attachment plate only :				
		ø300 mm × 90 mm (H) {ø11-13/16 inches ×3-17/32 inches (H)}				
	Mass (approx.)	When using the attachment plate only : Approx. 3.3 kg {7.28 lbs}				
	Finish	Main body : Aluminum die cast, i-PRO white				
		Outer fixing screws : Stainless steel (Corrosion-resistant treatment)				
		Dome cover : PC resin, Clear				
		PC resin, Smoke (G)				

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 each stream can be individually set. **5 When recording audio on an microSD memory card, only use AAC-LC (Advanced Audio Coding - Low Complexity). **6 When using with these, WV-QCAS01A 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

Al 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 Face Detection

Detects faces with high precision even in low-light, backlit, and mask-wearing environments. (Max. 2 cameras working)

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.

AI Occupancy Detection

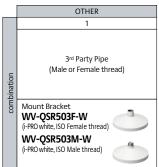
Detecting the congestion via network camera with AI engine enables that information to be used direct visitors in advance or help store staff work more efficiently.

Optional Accessories

Mount Bracket / Other

	WALL POLE CORNER			HANGING			CEILING	
	1	1	1	1	2	3	1	2
	Wall Mount Bracket WV-QWL501-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 (i-PRO white)	Ceiling Mount Bracket WV-QCL100-W *1 (i-PRO white)	Base Bracket WV-QJB503-W (i-PRO white)	Ceiling Mount Bracket WV-Q105A (Silver)
		AAA.			*For indoor installation only.	*For indoor installation only.	*The actual product may differ.	*For indoor installation only.
combination	Mount Bracket WV-QSR503-W (i-PRO white)	Wall Mount Bracket WV-QWL501-W (i-PRO white)	Wall Mount Bracket WV-QWL501-W (i-PRO white)	Mount Bracket WV-QSR503-W (i-PRO white)	Mount Bracket WV-QSR503M-W (i-PRO white, ISO Male thread)	3 rd Party Pipe		Base Bracket WV-QJB503-W (i-PRO white)
			0			(i-PRO white, ISO Male thread)		*The actual product may differ.
		Mount Bracket WV-QSR503-W (i-PRO white)	Mount Bracket WV-QSR503-W (i-PRO white)			Mount Bracket WV-QSR503F-W (i-PRO white, ISO Female thread)		

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



Dome Cover

Smoke dome cover WV-QDC501G

Cable

I/O Cable WV-QCA501A WV-QCA501APK



- *WV-QCA501APK is 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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- 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.
- $\bullet \ \, \text{Masses and dimensions are approximate.} \quad \bullet \ \, \text{Specifications are subject to change without notice.}$

