

WV-S2536L

The new Standard by i-PRO video surveillance

2MP (1080p) Vandal Resistant Outdoor Dome Network Camera

The S-Series network cameras offer a new standard in i-PRO video surveillance with drastically improved image quality with advanced technology. It comes with pre-installed Al analytics applications that detects people and vehicles with accuracy, allowing you to easily start state-of-the-art video surveillance.

The camera can be configured while keeping the unit in the box with the acclaimed "Easy Kitting Packaging", making the installation process smooth and easy.

Key Features

- Drastically improved image quality by advanced technology and Al intelligent Auto
- Pre-installed AI analytics applications to detect human and vehicles. Ready for installing 3rd party applications
- Detecting suspicious sound like Gunshot, Yell, Vehicle horn, and Glass break, with external microphones
- Easy Kitting Package enabling installers to configure cameras easily while keeping the unit in the box
- i-PRO Configuration Tool "iCT" can set up 1024 cameras at the same time.

(iCT page: https://i-pro.com/global/en/surveillance/tools/ict)

Key i-PRO Spec.

- 2MP (1080p)
- Intelligent Auto (with AI Engine)
- Super Dynamic 144dB
- Color night vision (0.007 to 0.009 lx)
- Smart Coding (with AI Engine)
- 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

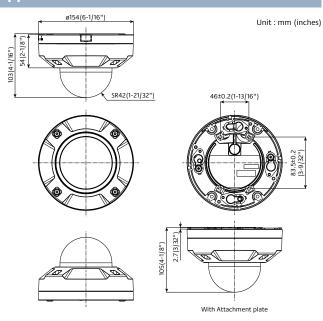




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Spec	ifications			
Camera	Image Sensor	Approx. 1/2.8 type CMOS image sensor		
	Minimum Illumination	Color: 0.007 lx (30IRE, F1.3, 1/30s) *1		
		Color: 0.009 lx (50IRE, F1.3, 1/30s)		
		BW: 0.005 lx (50IRE, F1.3, 1/30s)		
		BW: 0 lx (50IRE, F1.3,1/30s with IR LED)		
	White Balance	ATW1 / ATW2 / AWC		
	Shutter Speed	[60 fps Mode] 1/60 Fix to 1/10000 Fix,		
		[30 fps/15 fps mode] 1/30 Fix to 1/10000 Fix		
		[50 fps Mode] 1/50 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 Dynamic Range	On / Off, The level can be set in the range of 0 to 31. Max.144 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) /		
	High light compensation	Off (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,		
		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)			
	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) Auto focus		
Lens	Focus Adjustment Optical zoom	3.1x (Motorized zoom / Motorized Focus)		
Lens	Extra zoom	3.1x (Motorized zoom / Motorized Focus) 3.1x - 9.3x (when resolution is 640 x 360)		
	Focal length	2.9 - 9 mm {1/8 inches - 11/32 inches}		
	Angular Field of View	[16 : 9 mode]		
	J	Horizontal : 36° (TELE) – 113° (WIDE), Vertical : 20° (TELE) – 60° (WIDE)		
		[4:3 mode]		
		Horizontal : 26° (TELE) – 82° (WIDE), Vertical : 20° (TELE) – 60° (WIDE)		
	Maximum Aperture Ratio	1:1.3 (WIDE) -1:2.5 (TELE)		
	Focus range	0.3 m {11-13/16 inches} - ∞		
DORI	Detect (25ppm / 8ppf)	Wide: 25.4 m / 83.4 ft, Tele: 118.2 m / 387.7 ft		
	Observe (62.5ppm / 19ppf)	Wide: 10.2 m / 33.4 ft, Tele: 47.3 m / 155.1 ft		
	Recognize (125ppm / 38ppf)	Wide: 5.1 m / 16.7 ft, Tele: 23.6 m / 77.5 ft		
	Identify (250ppm / 76ppf)	Wide: 2.5 m / 8.3 ft, Tele: 11.8 m / 38.8 ft		
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		
	curle	Audio Output : On / Off Volume adjustment : Low / Middle / High		
	GUI / Setup Menu Language Browser*4	English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese Microsoft Edge, Firefox, Google Chrome		
	Network IF	10Base-T / 100Base-TX, RJ45 connector		
Network	Resolution	[16 : 9 mode (60 fps mode)] ¹² , [16 : 9 mode (30 fps mode)],		
	H.265/ H.264/ JPEG (MJPEG)	[16 : 9 mode (50 fps mode)] 2 , [16 : 9 mode (35 fps mode)]		
	11.203/11.204/3/20 (M3/20)	1920x1080, 1280x720, 640x360, 320x180		
		[4 : 3 mode (30 fps mode)], [4 : 3 mode (25 fps mode)]		
		1280x960, VGA, QVGA		
		[4 : 3 mode (15 fps mode)], [4 : 3 mode (12.5 fps mode)]		
		2048x1536*5 , 1280x960, VGA, QVGA		
	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		
	J			

Appearance



Network	Smart Coding	GOP (Group of pictures control):			
ILCENTOIR	Sinare coding	Off / Low (Variable GOP 1s-8s) / Mid (Variable GOP 4s-16s) /			
		Advanced (Fixed GOP 60s w/1s kev-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			
	Addio Compression	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, MOTT, 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, MOTT, LLDP			
	No. of Simultaneous Users	Up to 14 users (Depends on network conditions)			
	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, 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 ^{*8}	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 : 2.5 V ±0.5 V			
	For line input :	Input level : Approx10 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)			
General	Safety	UL (UL62368-1), c-UL (CSA C22.2 No.62368-1), CE, IEC62368-1			
	EMC	FCC (Part15 ClassA), ICES-003 ClassA, EN55032 ClassB, EN55035			
	Power Source and	DC power supply*8 : DC12 V 730 mA, Approx. 8.8 W			
	Power Consumption	PoE (IEEE802.3af compliant) Device : DC48 V 190 mA, Approx. 9.1 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			
	Water and Dust Resistance	IP66, IEC60529 measuring standard compatible, Type 4X(UL50E), NEMA 4X compliant			
	Shock Resistance	50J (IEC 60068-2-75 compliant), IK10 (IEC 62262)			
	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 and resin, i-PRO white			
		Outer fixing screws : Stainless steel (Corrosion-resistant treatment)			
		Dome section : Polycarbonate resin, Clear			

^{*1} Converted value

Al Analytics applications

http://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)

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.

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.

3rd party applications are also available.

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

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

[&]quot;3 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.

^{*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.
 *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}.

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
bination	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 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)
			(0)				*For indoor installation only.
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)	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			
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)			

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

Dome Cover











*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.

