

WV-S2536LTN

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 AI 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 (0.011 to 0.015 lx)
- Smart Coding (with AI Engine)
- ClearSight Coating
- 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

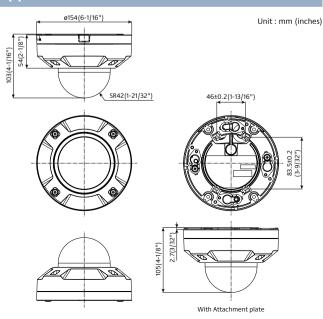




Chacifications

Camera	Image Sensor	Approx. 1/2.8 type CMOS image sensor			
camera	Minimum Illumination	Color: 0.011 lx (30IRE, F1.7, 1/30s) *1			
	Willing III III III III III III III III III I				
		Color : 0.015 lx (50IRE, F1.7, 1/30s) BW : 0.008 lx (50IRE, F1.7, 1/30s)			
	M/hit- D-l	BW: 0 lx (50IRE, F1.7,1/30s 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 On / Off			
	Intelligent Auto				
	Super Dynamic*2	On / Off, The level can be set in the range of 0 to 31.			
	Dynamic Range	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,			
	Ligit	Maximum irradiation distance : 70 m {Approx. 230 ft} (30IRE) *1			
	Digital Noise Reduction	50 m {Approx. 164 ft} (50IRE) 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			
	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	2.3x (Motorized zoom / Motorized Focus)			
	Extra zoom	2.3x - 6.9x (when resolution is 640 x 360)			
	Focal length	9 - 21 mm {11/32 inches - 13/16 inches}			
	Angular Field of View	[16:9 mode]			
		Horizontal: 15° (TELE) – 36° (WIDE), Vertical: 9° (TELE) – 20° (WIDE)			
		[4:3 mode]			
		Horizontal: 11° (TELE) – 27° (WIDE), Vertical: 9° (TELE) – 20° (WIDE)			
	Maximum Aperture Ratio	1:1.7 (WIDE) -1:3.0 (TELE)			
	Focus range	2 m {78-3/4 inches} - ∞			
DORI					
DORI	Detect (25ppm / 8ppf)	Wide: 118.2 m / 387.7 ft, Tele: 291.7 m / 956.9 ft			
	Observe (62.5ppm / 19ppf)	Wide: 47.3 m / 155.1 ft, Tele: 116.7 m / 382.8 ft			
	Recognize (125ppm / 38ppf)	Wide: 23.6 m / 77.5 ft, Tele: 58.3 m / 191.4 ft			
	Identify (250ppm / 76ppf)	Wide: 11.8 m / 38.8 ft, Tele: 29.2 m / 95.7 ft			
Adjusting	g Angle	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*4	Microsoft Edge, Firefox, Google Chrome			
Network	Network IF	10Base-T / 100Base-TX, RJ45 connector			
	Resolution	[16 : 9 mode (60 fps mode)]*2 , [16 : 9 mode (30 fps mode)],			
	H.265/ H.264/ JPEG (MJPEG)	[16 : 9 mode (50 fps mode)] ¹² , [16 : 9 mode (25 fps mode)]			
		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.265/ Transmission Mode H.264*6 Transmission Type JPEG Image Quality				

Appearance



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			
	Addio compression	G.711 : 64 kbps			
		G.71: 64 kbps / 96 kbps / 128 kbps Off / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full duplex)			
	Audio transmission mode				
	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, UPPn, IGMP,			
		ICMP, ARP, IEEE 802.1X, DiffServ, SRTP, SFTP, MQTT, 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 :	,			
		(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)			
	Addio odepat	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)			
	External I/O Terminals *	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			
General	EMC	FCC (Part15 ClassA), ICES-003 ClassA, EN55032 ClassB, EN55035			
	Power Source and	DC power supply*8 : DC12 V 860 mA, Approx. 10.3 W			
	Power Source and Power Consumption	PoE (IEEE802.3af compliant) Device: DC48 V 210 mA, Approx. 10.1 W (Class 0 of the compliant) Device: DC48 V 210 mA, Approx. 10.1 W (Class 0 of the compliant) Device: DC48 V 210 mA, Approx. 10.1 W (Class 0 of the compliant) Device: DC48 V 210 mA, Approx. 10.1 W (Class 0 of the compliant) Device: DC48 V 210 mA, Approx. 10.1 W (Class 0 of the compliant) Device: DC48 V 210 mA, Approx. 10.1 W (Class 0 of the compliant) Device: DC48 V 210 mA, Approx. 10.1 W (Class 0 of the compliant) Device: DC48 V 210 mA, Approx. 10.1 W (Class 0 of the compliant) Device: DC48 V 210 mA, Approx. 10.1 W (Class 0 of the compliant) Device: DC48 V 210 mA, Approx. 10.1 W (Class 0 of the compliant) Device: DC48 V 210 mA, Approx. 10.1 W (Class 0 of the compliant) Device: DC48 V 210 mA, Approx. 10.1 W (Class 0 of the compliant) Device: DC48 V 210 mA, Approx. 10.1 W (Class 0 of the compliant) Device: DC48 V 210 mA, Approx. 10.1 W (Class 0 of the compliant) Device: DC48 V 210 mA, Approx. 10.1 W (Class 0 of the compliant) Device: DC48 V 210 mA, Approx. 10.1 W (Class 0 of the compliant) Device: DC48 V 210 mA, Approx. 10.1 W (Class 0 of the compliant) Device: DC48 V 210 mA, Approx. 10.1 W (Class 0 of the compliant) Device: DC48 V 210 mA, Approx. 10.1 W (Class 0 of the compliant) Device: DC48 V 210 mA, Approx. 10.1 W (Class 0 of the compliant) Device: DC48 V 210 mA, Approx. 10.1 W (Class 0 of the compliant) Device: DC48 V 210 mA, Approx. 10.1 W (Class 0 of the compliant) Device: DC48 V 210 mA, Approx. 10.1 W (Class 0 of the compliant) Device: DC48 V 210 mA, Approx. 10.1 W (Class 0 of the compliant) Device: DC48 V 210 mA, Approx. 10.1 W (Class 0 of the compliant) Device: DC48 V 210 mA, Approx. 10.1 W (Class 0 of the compliant) Device: DC48 V 210 mA, Approx. 10.1 W (Class 0 of the compliant) Device: DC48 V 210 mA, Approx. 10.1 W (Class 0 of the compliant) Device: DC48 V 210 mA, Approx. 10.1 W (Class 0 of the compliant) Device: DC48 V 210 mA, Approx. 10.1 W (Class 0 of the compliant) Device: DC48 V 210 mA, Approx. 10.1 W (Class 0 of the compliant) Dev			
		-40 °C to +60 °C (-40 °F to 140 °F)*9			
	Ambient Operating	·			
	Temperature	(Power On range : -30 °C to +60 °C {-22 °F to +140 °F})			
	Anti-Condensation System	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 (with ClearSight coating)			

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)

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 enables that information to be used direct visitors in advance or help store staff work more efficiently.

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

^{*1} Converted value
*2 When 60 fps or 50 fps is selected, the Super Dynamic function is automatically set to off.

^{*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

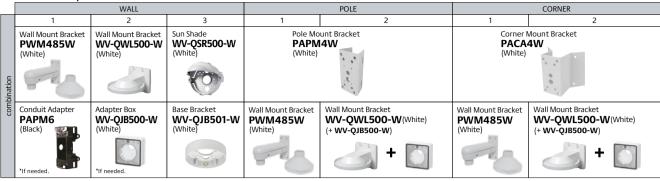
^{*6} Transmission for 4 streams can be individually set. *7 When recording audio on an microSD memory card, only use AAC-LC (Advanced Audio Coding - Low Complexity).

^{*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

■ Mount Bracket / Other



		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 *For indoor instalation only.				
	Mount Bracket WV-QSR501-W (White)	Mount Bracket PS485W (White)	This bracket requires 1½" 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







*WV-QCA500APK and WV-QCA501APK are package of 10 cables.

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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.



^{*}The color of the grommet rubber may differ depending on the production time, but the performance and mounting method will not change.