

The new Standard by i-PRO video surveillance

2MP(1080p) IR Outdoor Vandal Dome Network Camera with AI Engine

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 (0.018 to 0.025 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

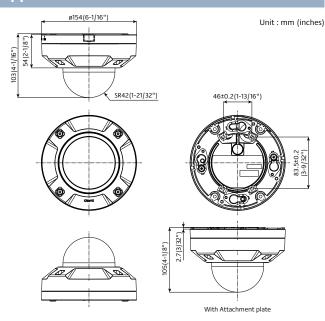




Coosifications

	ifications				
Camera	Image Sensor	Approx. 1/2.8 type CMOS image sensor			
	Minimum Illumination	Color: 0.018 lx (30IRE, F1.3, 1/30s) *1			
		Color: 0.025 lx (50IRE, F1.3, 1/30s)			
		BW: 0.017 lx (50IRE, F1.3, 1/30s)			
		BW: 0 k (50IRE, F1.3,1/30s with IR LED) ATW1 / ATW2 / AWC			
	White Balance				
	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,			
	Intelligent Auto	[25 fps/12.5 fps mode] 1/25 Fix to 1/10000 Fix			
		On / Off On / Off, The level can be set in the range of 0 to 31.			
	Super Dynamic*2 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,			
	-	Maximum irradiation distance : 50 m {Approx. 164 ft} (30IRE) *1			
		35 m {Approx. 116 ft} (50IRE)			
	Digital Noise Reduction	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)			
.ens	Focus Adjustment Optical zoom	Auto focus / Manual			
.ens	Extra zoom	3.1x (Motorized zoom / Motorized Focus)			
	Focal length	3.1x - 9.3x (when resolution is 640 x 360) 2.9 - 9 mm {1/8 inches - 11/32 inches}			
	Angular Field of View	[16 : 9 mode]			
	/ Ingular ricia or view	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 Angle		Horizontal : -194 to +166°, Vertical : -30 to +85°, Yaw : ±100°			
Adjusting	g Angle	Horizontal: -194 to +166*, Vertical: -30 to +85*, Yaw: ±100*			
Browser	g Angle Camera Control	Brightness, AUX On / Off			
Browser		Brightness, AUX On / Off Mic (Line) Input: On / Off Volume adjustment: Low / Middle / High			
Browser	Camera Control Audio	Brightness, AUX On / Off Mic (Line) Input: On / Off Volume adjustment: Low / Middle / High Audio Output : On / Off Volume adjustment: Low / Middle / High			
Browser	Camera Control Audio GUI / Setup Menu Language	Brightness, AUX On / Off Mic (Line) Input: On / Off Volume adjustment: Low / Middle / High Audio Output : On / Off Volume adjustment: Low / Middle / High English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese			
Browser GUI	Camera Control Audio GUI / Setup Menu Language Browser*4	Brightness, AUX On / Off Mic (Line) Input: On / Off Volume adjustment: Low / Middle / High Audio Output : On / Off Volume adjustment: Low / Middle / High English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese Microsoft Edge, Firefox, Google Chrome			
Browser GUI	Camera Control Audio GUI / Setup Menu Language Browser*4 Network IF	Brightness, AUX On / Off Mic (Line) Input: On / Off Volume adjustment: Low / Middle / High Audio Output : On / Off Volume adjustment: Low / Middle / High English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese Microsoft Edge, Firefox, Google Chrome 10Base-T / 100Base-TX, RJ45 connector			
Browser GUI	Camera Control Audio GUI / Setup Menu Language Browser' 4 Network IF Resolution	Brightness, AUX On / Off Mic (Line) Input: On / Off Volume adjustment: Low / Middle / High Audio Output: On / Off Volume adjustment: Low / Middle / High English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese Microsoft Edge, Firefox, Google Chrome 10Base-T / 100Base-TX, RI45 connector [16:9 mode (60 fps mode)] 2, [16:9 mode (30 fps mode)],			
Browser GUI	Camera Control Audio GUI / Setup Menu Language Browser*4 Network IF	Brightness, AUX On / Off Mic (Line) Input: On / Off Volume adjustment: Low / Middle / High Audio Output : On / Off Volume adjustment: Low / Middle / High English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese Microsoft Edge, Firefox, Google Chrome 10Base-T / 100Base-TX, R45 connector [16: 9 mode (60 fps mode)] 2, [16: 9 mode (30 fps mode)], [16: 9 mode (50 fps mode)] 2, [16: 9 mode (25 fps mode)]			
Browser GUI	Camera Control Audio GUI / Setup Menu Language Browser' 4 Network IF Resolution	Brightness, AUX On / Off Mic (Line) Input: On / Off Volume adjustment: Low / Middle / High Audio Output : On / Off Volume adjustment: Low / Middle / High English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese Microsoft Edge, Firefox, Google Chrome 10Base-T / 100Base-TX, RI45 connector [16:9 mode (60 fps mode)] ¹² , [16:9 mode (30 fps mode)], [16:9 mode (50 fps mode)] ² , [16:9 mode (25 fps mode)] 1920x1080, 1280x720, 640x360, 320x180			
Browser GUI	Camera Control Audio GUI / Setup Menu Language Browser' 4 Network IF Resolution	Brightness, AUX On / Off Mic (Line) Input: On / Off Volume adjustment: Low / Middle / High Audio Output: On / Off Volume adjustment: Low / Middle / High English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese Microsoft Edge, Firefox, Google Chrome 10Base-17 / 100Base-17x, 1445 connector [16: 9 mode (60 fps mode)] ¹² , [16: 9 mode (30 fps mode)], [16: 9 mode (50 fps mode)] ¹² , [16: 9 mode (25 fps mode)] [16: 3 mode (30 fps mode)], [4: 3 mode (25 fps mode)]			
Browser GUI	Camera Control Audio GUI / Setup Menu Language Browser' 4 Network IF Resolution	Brightness, AUX On / Off Mic (Line) Input: On / Off Volume adjustment: Low / Middle / High Audio Output: On / Off Volume adjustment: Low / Middle / High English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese Microsoft Edge, Firefox, Google Chrome 10Base-T / 1008ase-TX, RI45 connector [16: 9 mode (60 fps mode)]*2, [16: 9 mode (30 fps mode)], [16: 9 mode (50 fps mode)]*2, [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			
Browser GUI	Camera Control Audio GUI / Setup Menu Language Browser' 4 Network IF Resolution	Brightness, AUX On / Off Mic (Line) Input: On / Off Volume adjustment: Low / Middle / High Audio Output : On / Off Volume adjustment: Low / Middle / High English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese Microsoft Edge, Firefox, Google Chrome 10Base-T / 10Base-TX, R145 connector [16: 9 mode (60 fps mode)] ² , [16: 9 mode (30 fps mode)], [16: 9 mode (50 fps mode)] ² , [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)]			
Browser GUI	Camera Control Audio GUI / Setup Menu Language Browser' 4 Network IF Resolution H.265/ H.264/ JPEG (MJPEG)	Brightness, AUX On / Off Mic (Line) Input: On / Off Volume adjustment: Low / Middle / High Audio Output: On / Off Volume adjustment: Low / Middle / High English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese Microsoft Edge, Firefox, Google Chrome 10Base-T / 100Base-TX, 1445 connector [16: 9 mode (60 fps mode)] ¹² , [16: 9 mode (30 fps mode)], [16: 9 mode (50 fps mode)] ²² , [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 ²⁵ , 1280x960, VGA, QVGA			
Adjusting Browser GUI Network	Camera Control Audio GUI / Setup Menu Language Browser' 4 Network IF Resolution	Brightness, AUX On / Off Mic (Line) Input: On / Off Volume adjustment: Low / Middle / High Audio Output : On / Off Volume adjustment: Low / Middle / High English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese Microsoft Edge, Firefox, Google Chrome 10Base-T / 10Base-TX, R145 connector [16: 9 mode (60 fps mode)] ² , [16: 9 mode (30 fps mode)], [16: 9 mode (50 fps mode)] ² , [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)]			

Appearance



	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 duple			
	Supported Protocol	IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, SSL/TLS, SMTP, DNS, NTP, SNMPv1/v2/v.			
		DHCPv6, RTP, MLD, ICMP, ARP, IEEE 802.1X, DiffServ, SFTP ¹⁸ , MQTT ¹⁸ , LLDF ¹ IPv4 : TCP/IP, UDP/IP, HTTP, HTTPS, SSL/TLS, RTSP, RTP, RTP/RTCP, SMTP, DHCP, DN DDNS, NTP, SNMPV1/v2/v3, UPnP, ICMP, ICMP, ARP, IEEE 802.1X, DiffServ, SRTP, SFTP ²⁸ , MOTT ¹⁸ , LLDF ³⁸			
	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 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			
		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,			
	/ IIII / ICCOTS	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*9	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 :	11,7			
		Innut level : Annrox =10 dBV			
		Input level : Approx. –10 dBV ø3.5 mm stereo mini jack (monaural output)			
	Audio Output*9	ø3.5 mm stereo mini jack (monaural output)			
		ø3.5 mm stereo mini jack (monaural output) Output impedance : Approx. 600 Ω (unbalanced)			
	Audio Output*9	ø3.5 mm stereo mini jack (monaural output) Output impedance : Approx. 600 Ω (unbalanced) Output level : -20 dBV			
		ø3.5 mm stereo mini jack (monaural output) Output impedance : Approx. 600 Ω (unbalanced) Output level : -20 dBV ALARM IN 1 (Alarm input 1/ Black & white input/ Auto time adjustment input) (xī,			
General	Audio Output*9 External I/O Terminals*9	ø3.5 mm stereo mini jack (monaural output) Output impedance : Approx. 600 Ω (unbalanced) Output level : – 20 dBV ALARM IN1 (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	Audio Output*9 External I/O Terminals*9 Safety	ø3.5 mm stereo mini jack (monaural output) Output impedance : Approx. 600 Q (unbalanced) Output level : -20 dBV 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) UL (UL62368-1), C-UL (CSA C22.2 No.62368-1), CE, IEC62368-1			
General	Audio Output*9 External I/O Terminals*9 Safety EMC	ø3.5 mm stereo mini jack (monaural output) Output impedance : Approx. 600 Ω (unbalanced) Output level : -20 dBV 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) L (UL62368-1), c-UL (CSA C22.2 No.62368-1), CE, IEC62368-1 FCC (Part15 ClassA), ICES-003 ClassA, EN55032 ClassB, EN55035			
General	Audio Output*9 External I/O Terminals*9 Safety EMC Power Source and	ø3.5 mm stereo mini jack (monaural output) Output impedance : Approx. 600 Ω (unbalanced) Output level : -20 dBV ALARM IN1 (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 UL (UL62368-1), c-UL (CSA C22.2 NO.62368-1), C-UL (CSA C22.2 NO.62368-1), C-UL (CSA C22.2 NO.62368-1), C-UL (CSA C22.2 NO.62368-1) CC (Part15 ClassA), ICES-003 ClassA, EN55032 ClassB, EN55035 DC power supply 9: DC12 V 730 mA, Approx. 8.8 W			
General	Audio Output*9 External I/O Terminals*9 Safety EMC Power Source and Power Consumption	ø3.5 mm stereo mini jack (monaural output) Output impedance : Approx. 600 Ω (unbalanced) Output level : -20 dBV ALARM IN1 (Alarm input 1) Black & white input/ Auto time adjustment input) (x1 ALARM IN1 2 (Alarm input 2/ ALARM OUT) (x1), ALARM IN3 (Alarm input 3/ AUX OUT) (x1 UL (UL62368-1), c-UL (CSA C22.2 No.62368-1), CE, IEC62368-1 FCC (Part15 ClassA), ICES-003 ClassA, EN55032 ClassB, EN55035 DC power supply ¹⁹ : DC12 V 730 mA, Approx. 8.8 W P0E (IEEE802.3af compliant) Device : DC48 V 190 mA, Approx. 9.1W (Class 0 devic			
General	Audio Output*9 External I/O Terminals*9 Safety EMC Power Source and Power Consumption Ambient Operating	83.5 mm stereo mini jack (monaural output) Output livels : -20 dBV Output livels : -20 dBV ALARM IN 1 (Alarm input 1/ Black & white input/ Auto time adjustment input) (x1 ALARM IN 1 (Alarm input 2/ ALARM OUT) (x1), ALARM IN 3 (Alarm input 3/ AUX OUT) (x1 L(ULG2388-1), C-LU (C54 C22.2 No.62368-1), CE, IEC62368-1 FCC (Part15 ClassA), ICES-003 ClassA, EN55032 ClassB, EN55035 DC power supply '9: DC12 V 730 mA, Approx. 8.8 W PCE (IEEE802.3af compliant) Device: DC48 V 190 mA, Approx. 9.1 W (Class 0 devic -40 °C to +60 °C (-40 °F to 140 °F) '10			
General	Audio Output*9 External I/O Terminals*9 Safety EMC Power Source and Power Consumption Ambient Operating Temperature	ø3.5 mm stereo mini jack (monaural output) Output impedance : Approx. 600 Ω (unbalanced) Output level : -20 dBV ALARM IN I (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 UL (UL62368-1), c-UL (CSA C22.2 No.62368-1), CE, IEC62368-1 FCC (PartIS ClassA), ICES-003 ClassA, EN55032 ClassB, EN55035 DC power supply 9: DC12 V 730 mA, Approx. 8.8 W PoE (IEE802.3af compliant) Device: DC48 V 190 mA, Approx. 9.1 W (Class 0 devic-40 ° Ct to 46 ° C' (-40 ° F to 140 ° F) 10 ° (-40 ° Ct to 46 ° C' (-40 ° F to 140 ° F) 10 ° (Power On range: -30 ° Ct to +60 ° C (-22 ° F to +140 ° F))			
General	Audio Output*9 External I/O Terminals*9 Safety EMC Power Source and Power Consumption Ambient Operating Temperature Ambient Operating Humidity	ø3.5 mm stereo mini jack (monaural output) Output impedance : Approx. 600 Ω (unbalanced) Output level : -20 dBV ALARM IN1 (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 UL (UI62368-1), $-$ UL (CSA C22.2 No.62368-1), C-UL (CS			
General	Audio Output*9 External I/O Terminals*9 Safety EMC Power Source and Power Consumption Ambient Operating Temperature Ambient Operating Humidity Anti-Condensation System	ø3.5 mm stereo mini jack (monaural output) Output livels : -20 dBV Output livels : -20 dBV ALARM IN 1 (Alarm input 1/ Black & white input/ Auto time adjustment input) (x1 ALARM IN 1 (Alarm input 2/ ALARM OUT) (x1). ALARM IN 2 (Alarm input 3/ AUX OUT) (x1 UL(UE3286-1), C-LL (CSC AC22. No.62586-1), C-LE (CSC 2368-1 FCC (Part15 ClassA), ICES-003 ClassA, EN55032 ClassB, EN55035 DC power supply %: DC12 V 730 mA, Approx. 8.8 W PCE (IEE802 23d compliant) Device: DC48 V 190 mA, Approx. 9.1 W (Class 0 devic -40 °C to +60 °C (-40 °F to 140 °F) 10 (Power On range: -30 °C to +60 °C (-22 °F to +140 °F) 10 to 100 % (no condensation) Temish element + Heater + moisture absorption gel			
General	Audio Output*9 External I/O Terminals*9 Safety EMC Power Source and Power Consumption Ambient Operating Temperature Ambient Operating Humidity Anti-Condensation System Water and Dust Resistance	83.5 mm stereo mini jack (monaural output) Output level: -20 dBV ALARM IN 1 (Alarm input 1/ Black & white input/ Auto time adjustment input) (x1 ALARM IN 1 (Alarm input 2/ ALARM OUT) (x1), ALARM IN 3 (Alarm input 3/ AUX OUT) (x1 UL (UL62368-1), c-UL (CSA C22.2 No.62368-1), CE, IEC62368-1 FCC (Part15 ClassA), ICE5-003 ClassA, EN55032 ClassB, EN55035 DC power supply 9: DC12 V 730 mA, Approx. 8.8 W POE (IEEE802.3af compliant) Device: DC48 V 190 mA, Approx. 9.1W (Class 0 devic -40 °Ct o +60 °C (-40 °F to 140 °F) 10 (Power On range: -30 °C to +60 °C {-22 °F to +140 °F}) 10 to 100 % (no condensation) Temish element + Heater + moisture absorption gel IP66, IEC60529 measuring standard compatible, Type 4X(UL50E), NEMA 4X complia			
General	Audio Output*9 External I/O Terminals*9 Safety EMC Power Source and Power Consumption Ambient Operating Temperature Ambient Operating Humidity Anti-Condensation System Water and Dust Resistance Shock Resistance	83.5 mm stereo mini jack (monaural output) Output impedance : Approx. 600 Ω (unbalanced) Output impedance : Approx. 600 Ω (unbalanced) Output level : -20 dBV ALARM IN1 (Alarm input 1/ Black & white input/ Auto time adjustment input) (x1 ALARM IN2 (Alarm input 2/ ALARM OUT) (x1), ALARM IN3 (Alarm input 3/ AUX OUT) (x1 UL (UL62368-1), c-UL (CSA C22.2 No.62368-1), C-UL (CSA C22.2 No.62368-1), C-UL (CSA C22.2 No.62368-1), C-UL (CSA C22.2 No.62368-1), C-UL (CSA C22.2 No.62368-1) DC power supply 9: DC12 V 730 mA, Approx. 8.8 W P6E (IEEE802.34f compliant) Device: DC48 V 190 mA, Approx. 9.1 W (Class 0 deviced No.6206 C (-40 °F to 140 °F) (No.6206 C (-40 °F to 140 °F)) 10 to 100 % (no condensation) Temish element + Heater + moisture absorption gel 1966, IEC60529 measuring standard compatible, Type 4X(UL50E), NEMA 4X complia			
General	Audio Output*9 External I/O Terminals*9 Safety EMC Power Source and Power Consumption Ambient Operating Temperature Ambient Operating Humidity Anti-Condensation System Water and Dust Resistance Shock Resistance Dimensions	ø3.5 mm stereo mini jack (monaural output) Output level : -20 dBV Output level : -20 dBV ALARM IN 1 (Alarm input 1/ Black & white input/ Auto time adjustment input) (x1 ALARM IN 1 (Alarm input 2/ ALARM OUT) (x1). ALARM IN 2 (Alarm input 2/ ALARM OUT) (x1). ALARM IN 2 (Alarm input 2/ ALARM OUT) (x1). ALARM IN 3 (Alarm input 2/ ALARM OUT) (x1). ALARM IN 3 (Alarm input 3/ AUX OUT) (x1 U (LUG2368-1), C-LL (CSC 2C2.2 No.62568-1), C-E, IEC62368-1 PCC (Part15 ClassA), ICES-003 ClassA, EN55032 ClassB, EN55035 DC power supply ⁹ : DC12 V 730 mA, Approx. 8.8 W PCG (IEE802 3.24 compliant) Device: DC48 V 190 mA, Approx. 9.1W (Class 0 device -40 °C to +60 °C (-40 °F to 140 °F) 10 (Power On range: -30 °C to +60 °C (-22 °F to +140 °F)) 10 to 100 % (no condensation) Temish element + Heater + moisture absorption gel IP66, IEC60529 measuring standard compatible, Type 4X(UL50E), NEMA 4X complia 501 (IEC 60068-2-75 compliant), IK10 (IEC 62262)			
General	Audio Output*9 External I/O Terminals*9 Safety EMC Power Source and Power Consumption Ambient Operating Temperature Ambient Operating Humidity Anti-Condensation System Water and Dust Resistance Shock Resistance Dimensions Mass (approx.)	ø3.5 mm stereo mini jack (monaural output) Output livel: -20 dBV Output livel: -20 dBV ALARM IN 1 (Alarm input 1/ Black & white input/ Auto time adjustment input) (x1 ALARM IN 1 (Alarm input 2/ ALARM OUT) (x1), ALARM IN 3 (Alarm input 3/ AUX OUT) (x1 L (ULG2368-1), c-UL (CSA C22.2 No.62368-1), CE, IECG2368-1 FCC (Part15 ClassA), ICES-003 ClassA, EN55032 ClassB, EN55035 DC power supply ⁵⁹ : DC12 V 730 mA, Approx. 8.8 W PoE (IEEE802.3af compliant) Device: DC48 V 190 mA, Approx. 9.1W (Class 0 devic -40 °C t + 60 °C (-40 °F to 140 °F) ¹0 (Power On range: -30 °C to +60 °C {-22 °F to +140 °F}) 10 to 100 % (no condensation) Temish element + Heater + moisture absorption gel IP66, IECG0529 measuring standard compatible, Type 4X(UL50E), NEMA 4X complia 501 (IEC 60068-2-75 compliant), IK10 (IEC 62262) #354 mm x 105 mm (H) (96-1/16 inches x 4-1/8 inches (H)} Approx. 1.1 kg {2.43 lbs.}			
General	Audio Output*9 External I/O Terminals*9 Safety EMC Power Source and Power Consumption Ambient Operating Temperature Ambient Operating Humidity Anti-Condensation System Water and Dust Resistance Shock Resistance Dimensions	ø3.5 mm stereo mini jack (monaural output) Output livel: -20 dBV Output livel: -20 dBV ALARM IN 1 (Alarm input 1/ Black & white input/ Auto time adjustment input) (x1 ALARM IN 1 (Alarm input 2/ ALARM OUT) (x1), ALARM IN 3 (Alarm input 3/ AUX OUT) (x1 U (ULG2368-1), C-LI (CSC AC2.2 No. 62368-1), C-LI (EC62368-1 FCC (Part15 ClassA), ICES-003 ClassA, EN55032 ClassB, EN55035 DC power supply ⁹ : DC12 V 730 mA, Approx. 8.8 W PGC (IEE802 3d compliant) Device: DC48 V 190 mA, Approx. 9.1 W (Class 0 devic -40 °C to +60 °C (-40 °F to 140 °F) 10 (Power On range: -30 °C to +60 °C (-22 °F to +140 °F)) 10 to 100 % (no condensation) Temish element + Heater + moisture absorption gel IP66, IEC60529 measuring standard compatible, Type 4X(UL50E), NEMA 4X complia 501 (IEC 60068-2-75 compliant), IK10 (IEC 62262)			

^{*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)

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.

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

¹2 When 60 fps or 50 fps is selected, the Super Dynamic function is automatically set to off.
¹3 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} It will be adapted to the products produced after December 2021.
*9 When using with these, WV-QCA501A cable is required.

^{*10} 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 WV-S25F1



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

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)			

SFP Port 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)

Support specifications for SFP module

*Different Color Model WV-X65F1 (Fine silver)

*This unit requires an SFP module.

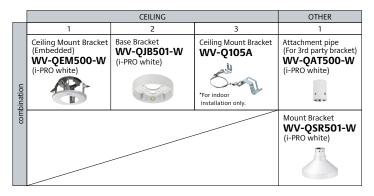
*Refer to website for compatible SFP modules.

https://i-pro.com/global/en/surveillance/training-support/support/technical-information <Control No.: C0504>

■ 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 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)
	9.			100.			*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)	
	4	*If needed.		+ 0	+ 0	8	3rd.parties pipe

*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 pe with ClearSight coating) WV-CW7SN



Dome Cover (Clear type with ClearSight coating)

WV-CW7CN







*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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- 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.
- Masses and dimensions are approximate. Specifications are subject to change without notice.

