

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 AI 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 Al 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<sup>®</sup> 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



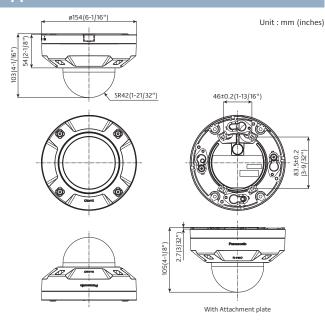




#### **Specifications**

speci					
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 (50 IRE, 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 <sup>*2</sup>	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) / Off (only when Super dynamic / Intelligent Auto : Off) On / Off (only when Intelligent auto / auto contrast adjust : Off)			
	High light compensation				
	Fog compensation				
	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)	On / Off, 4 areas available			
	Scene Change Detection (SCD)	On / Off, 1 areas available			
	Audio Detection	On / Off			
	AI Sound Classification	Gunshot, Yell, Vehicle horn, Glass break			
	AI Analytics	Yes			
	Privacy Zone	On / Off, Up to 8 zones available			
	VIQS	On / Off, Up to 8 zones available			
	Image rotation <sup>*3</sup>	0 ° / 90 ° / 180 ° / 270 °			
	Camera Title (OSD)	On / Off, Up to 40 characters (alphanumeric characters, marks)			
	Focus Adjustment	Auto focus			
Lens	Optical zoom	3.1x (Motorized zoom / Motorized Focus)			
	Extra zoom	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]			
	Angular Field of View	[16 : 9 mode]			
-	Angular Field of View	[ <b>16 : 9 mode]</b> Horizontal : 36° (TELE) – 113° (WIDE), Vertical : 20° (TELE) – 60° (WIDE)			
-	Angular Field of View				
	Angular Field of View	Horizontal : 36° (TELE) – 113° (WIDE), Vertical : 20° (TELE) – 60° (WIDE) [ <b>4 : 3 mode</b> ]			
-	Angular Field of View Maximum Aperture Ratio	Horizontal : 36° (TELE) – 113° (WIDE), Vertical : 20° (TELE) – 60° (WIDE)			
	5	Horizontal : 36° (TELE) – 113° (WIDE), Vertical : 20° (TELE) – 60° (WIDE) [ <b>4 : 3 mode]</b> Horizontal : 26° (TELE) – 82° (WIDE), Vertical : 20° (TELE) – 60° (WIDE)			
	Maximum Aperture Ratio	Horizontal : 36° (TELE) – 113° (WIDE), Vertical : 20° (TELE) – 60° (WIDE) [ <b>4 : 3 mode</b> ] Horizontal : 26° (TELE) – 82° (WIDE), Vertical : 20° (TELE) – 60° (WIDE) 1 : 1.3 (WIDE) – 1 : 2.5 (TELE)			
	Maximum Aperture Ratio Focusing Range Detect (25ppm / 8ppf)	Horizontal : 36° (TELE) – 113° (WIDE), Vertical : 20° (TELE) – 60° (WIDE) <b>[ 4 : 3 mode]</b> Horizontal : 26° (TELE) – 82° (WIDE), Vertical : 20° (TELE) – 60° (WIDE) 1 : 1.3 (WIDE) – 1 : 2.5 (TELE) 0.3 m (11-13)16 inches) – ∞ Wide: 25.4 m / 83.4 ft, Tele: 118.2 m / 387.7 ft			
DORI	Maximum Aperture Ratio Focusing Range Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf)	Horizontal : 36° (TELE) – 113° (WIDE), Vertical : 20° (TELE) – 60° (WIDE) <b>[ 4 : 3 mode]</b> Horizontal : 26° (TELE) – 82° (WIDE), Vertical : 20° (TELE) – 60° (WIDE) 1 : 1.3 (WIDE) – 1 : 2.5 (TELE) 0.3 m (11-13)16 inches) – ∞ Wide: 25.4 m / 83.4 ft, Tele: 118.2 m / 387.7 ft Wide: 10.2 m / 33.4 ft, Tele: 47.3 m / 155.1 ft			
DORI	Maximum Aperture Ratio Focusing Range Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf)	Horizontal : $36^{\circ}$ (TELE) – $113^{\circ}$ (WIDE), Vertical : $20^{\circ}$ (TELE) – $60^{\circ}$ (WIDE) Horizontal : $26^{\circ}$ (TELE) – $82^{\circ}$ (WIDE), Vertical : $20^{\circ}$ (TELE) – $60^{\circ}$ (WIDE) 1:13 (WIDE) – $1:2.5$ (TELE) $0.3 \text{ m}$ (11-13/16 inches) – $\infty$ Wide: $25.4 \text{ m}$ / $83.4 \text{ ft}$ , Tele: $118.2 \text{ m}$ / $387.7 \text{ ft}$ Wide: $10.2 \text{ m}$ / $33.4 \text{ ft}$ , Tele: $47.3 \text{ m}$ / $155.1 \text{ ft}$ Wide: $5.1 \text{ m}$ / $16.7 \text{ ft}$ , Tele: $23.6 \text{ m}$ / $77.5 \text{ ft}$			
DORI	Maximum Aperture Ratio Focusing Range Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf)				
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DORI Adjusting Browser	Maximum Aperture Ratio Focusing Range Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf)	Horizontal : 36° (TELE) – 113° (WIDE), Vertical : 20° (TELE) – 60° (WIDE) <b>[ 4 : 3 mode]</b> Horizontal : 26° (TELE) – 82° (WIDE), Vertical : 20° (TELE) – 60° (WIDE) 1 : 1.3 (WIDE) – 1 : 2.5 (TELE) 0.3 m (11-13/16 inches) – ∞ Wide: 25.4 m / 83.4 ft, Tele: 118.2 m / 387.7 ft Wide: 0.2 m / 33.4 ft, Tele: 118.2 m / 387.7 ft Wide: 5.1 m / 16.7 ft, Tele: 23.6 m / 77.5 ft Wide: 2.5 m / 8.3 ft, Tele: 11.8 m / 38.8 ft Horizontal : -194 to +166°, Vertical : -30 to +85°, Yaw : ±100° Brightness, AUX On / Off			
DORI Adjusting Browser	Maximum Aperture Ratio Focusing Range Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf) Angle Camera Control	$ \begin{array}{l} \mbox{Horizontal : 36^{\circ} (TELE) - 113^{\circ} (WIDE), Vertical : 20^{\circ} (TELE) - 60^{\circ} (WIDE) \\ \mbox{I = 3 mode]} \\ \mbox{Horizontal : 26^{\circ} (TELE) - 82^{\circ} (WIDE), Vertical : 20^{\circ} (TELE) - 60^{\circ} (WIDE) \\ \mbox{I : 1.3 (WIDE) - 1: 2.5 (TELE)} \\ \mbox{I.3 (WIDE) - 1: 2.5 (TELE)} \\ \mbox{I.3 (WIDE) - 1: 2.5 (TELE)} \\ \mbox{II : 1.3 (WIDE) - 1: 2.5 (TELE)} \\ II : 1.3 (WIDE) - 1: 2.5 (WIDE) - 1: 2.5 (WIDE) \\ \mbox{II : 1.3 (WIDE) - 1: 2.5 (WIDE) - 1: 2.5 (WIDE) \\ \mbox{II : 1.3 (WIDE) - 1: 2.5 (WIDE) - 1: 2.5 (WIDE) \\ \mbox{II : 1.3 (WIDE) - 1: 2.5 (WIDE) - 1: 2.5 (WIDE) \\ \mbox{II : 1.3 (WIDE) - 1: 2.5 (WIDE) - 1: 2.5 (WIDE) \\ \mbox{II : 1.3 (WIDE) - 1: 2.5 (WIDE) - 1: 2.5 (WIDE) \\ \mbox{II : 1.5 (WIDE) - 1: 2.5 (WIDE) - 1: 2.5 (WIDE) \\ \mbox{II : 1.5 (WIDE) - 1: 2.5 (WIDE) - 1: 2.5 (WIDE) \\ \mbox{II : 1.5 (WIDE) - 1: 2.5 (WIDE) - 1: 2.5 (WIDE) \\ \mbox{II : 1.5 (WIDE) - 1: 2.5 (WIDE) - 1: 2.5 (WIDE) - 1: 2.5 (WIDE) \\ \mbox{II : 1.5 (WIDE) - 1: 2.5 (WI$			
DORI Adjusting Browser	Maximum Aperture Ratio Focusing Range Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf) Angle Camera Control Audio				
DORI Adjusting Browser GUI	Maximum Aperture Ratio Focusing Range Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf) Angle Camera Control Audio GUI / Setup Menu Language	Horizontal : 36° (TELE) – 113° (WIDE), Vertical : 20° (TELE) – 60° (WIDE) <b>[ 4 : 3 mode]</b> Horizontal : 26° (TELE) – 82° (WIDE), Vertical : 20° (TELE) – 60° (WIDE) 1 : 1.3 (WIDE) – 1 : 2.5 (TELE) 0.3 m (11-13)16 inches) – ∞ Wide: 25.4 m / 83.4 ft, Tele: 118.2 m / 387.7 ft Wide: 0.2 m / 33.4 ft, Tele: 118.2 m / 387.7 ft Wide: 0.2 m / 33.4 ft, Tele: 47.3 m / 155.1 ft Wide: 0.2 m / 33.4 ft, Tele: 11.8 m / 38.8 ft Horizontal : 1-914 to +166°, Vertical : -30 to +85°, Yaw : ±100° Brightness, AUX On / Off Mic (Line) Input : On / Off Volume adjustment : Low / Middle / High English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese			
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DORI Adjusting Browser GUI	Maximum Aperture Ratio Focusing Range Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf) Angle Camera Control Audio GUI / Setup Menu Language Browser*4 Network IF	Horizontal : 36° (TELE) – 113° (WIDE), Vertical : 20° (TELE) – 60° (WIDE) <b>[ 4 : 3 mode]</b> Horizontal : 26° (TELE) – 82° (WIDE), Vertical : 20° (TELE) – 60° (WIDE) 1 : 1.3 (WIDE) – 1 : 2.5 (TELE) 0.3 m (11-13)16 inches) – $\infty$ Wide: 25.4 m / 83.4 ft, Tele: 18.2 m / 387.7 ft Wide: 10.2 m / 33.4 ft, Tele: 178.2 m / 387.7 ft Wide: 5.1 m / 16.7 ft, Tele: 23.6 m / 77.5 ft Wide: 5.1 m / 16.7 ft, Tele: 11.8 m / 38.8 ft Horizontal : -194 to +166°, Vertical : -30 to +85°, Yaw : ±100° 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 108ase-TJ, 100Base-TX, RJ45 connector			
DORI Adjusting Browser GUI	Maximum Aperture Ratio Focusing Range Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf) Angle Camera Control Audio GUI / Setup Menu Language Browser <sup>2</sup> 4 Network IF Resolution	Horizontal : 36° (TELE) – 113° (WIDE), Vertical : 20° (TELE) – 60° (WIDE) <b>[ 4 : 3 mode]</b> Horizontal : 26° (TELE) – 82° (WIDE), Vertical : 20° (TELE) – 60° (WIDE) 1 : 1.3 (WIDE) – 1 : 2.5 (TELE) 0.3 m (11-13)16 inches) – ∞ Wide: 25.4 m / 83.4 ft, Tele: 118.2 m / 387.7 ft Wide: 0.2 m / 33.4 ft, Tele: 118.2 m / 387.7 ft Wide: 5.1 m / 16.7 ft, Tele: 23.6 m / 77.5 ft Wide: 2.5 m / 8.3 ft, Tele: 11.8 m / 38.8 ft Horizontal : 194 to +166°, Vertical : -30 to +85°, Yaw : ±100° 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 108ase-T / 1008ase-TX, RI45 Connector <b>[16 : 9 mode (60 fps mode)]<sup>1</sup>2 , [16 : 9 mode (30 fps mode)],</b>			
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DORI Adjusting Browser GUI	Maximum Aperture Ratio Focusing Range Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf) Angle Camera Control Audio GUI / Setup Menu Language Browser <sup>2</sup> 4 Network IF Resolution	Horizontal : 36° (TELE) - 113° (WIDE), Vertical : 20° (TELE) - 60° (WIDE) <b>[ 4 : 3 mode]</b> Horizontal : 26° (TELE) - 82° (WIDE), Vertical : 20° (TELE) - 60° (WIDE) 1 : 1.3 (WIDE) - 1 : 2.5 (TELE) 0.3 m (11-13)16 inches) - ∞ Wide: 25.4 m / 83.4 ft, Tele: 118.2 m / 387.7 ft Wide: 0.2 m / 33.4 ft, Tele: 118.2 m / 387.7 ft Wide: 0.2 m / 83.4 ft, Tele: 11.8 m / 38.8 ft Horizontal : -194 to +166°, Vertical : -30 to +85°, Yaw : ±100° Brightness, AUX On / Off Wic (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 <b>[16 : 9 mode (60 fps mode)]</b> <sup>1</sup> <sup>2</sup> , <b>[16 : 9 mode (30 fps mode)]</b> , <b>[16 : 9 mode (50 fps mode)]</b> <sup>2</sup> , <b>[16 : 9 mode (25 fps mode)]</b> 1920x1080, 1280x720, 640x360, 320x180 <b>[4 : 3 mode (30 fps mode)]</b> , <b>[4 : 3 mode (25 fps mode)]</b>			
DORI Adjusting Browser GUI	Maximum Aperture Ratio Focusing Range Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf) Angle Camera Control Audio GUI / Setup Menu Language Browser <sup>2</sup> 4 Network IF Resolution	Horizontal : 36° (TELE) – 113° (WIDE), Vertical : 20° (TELE) – 60° (WIDE) <b>[ 4 : 3 mode]</b> Horizontal : 26° (TELE) – 82° (WIDE), Vertical : 20° (TELE) – 60° (WIDE) 1 : 1.3 (WIDE) – 1 : 2.5 (TELE) 0.3 m (11-13) f6 inches) – ∞ Wide: 25.4 m ( 83.4 ft, Tele: 18.2 m ] 387.7 ft Wide: 10.2 m   33.4 ft, Tele: 18.2 m ] 387.7 ft Wide: 5.1 m   16.7 ft, Tele: 23.6 m   77.5 ft Wide: 5.1 m   16.7 ft, Tele: 11.8 m   38.8 ft Horizontal : -194 to +166°, Vertical : -30 to +85°, Yaw : ±100° Brightness, AUX On   Off Mic (Line) pupt: 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 108ase-T   100Base-TX, RI45 connector <b>[16 : 9 mode (60 fps mode)]</b> <sup>7</sup> , <b>[16 : 9 mode (23 fps mode)]</b> <b>[16 : 3 mode (60 fps mode)]</b> <sup>7</sup> , <b>[16 : 3 mode (25 fps mode)]</b> <b>1280x960</b> , VGA, QVGA <b>[4 : 3 mode (15 fps mode)]</b> , <b>[4 : 3 mode (12.5 fps mode)]</b>			
Adjusting Browser GUI	Maximum Aperture Ratio Focusing Range Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf) Angle Camera Control Audio GUI / Setup Menu Language Browser'4 Network IF Resolution H.265/ H.264/ JPEG (MJPEG)	Horizontal : 36° (TELE) – 113° (WIDE), Vertical : 20° (TELE) – 60° (WIDE) <b>[ 4 : 3 mode]</b> Horizontal : 26° (TELE) – 82° (WIDE), Vertical : 20° (TELE) – 60° (WIDE) 1 : 1.3 (WIDE) – 1 : 2.5 (TELE) 0.3 m (11-13)16 inches) – ∞ Wide: 25.4 m / 83.4 ft, Tele: 18.2 m / 387.7 ft Wide: 5.1 m / 16.7 ft, Tele: 23.6 m / 77.5 ft Wide: 5.1 m / 16.7 ft, Tele: 23.6 m / 77.5 ft Wide: 2.5 m / 8.3 ft, Tele: 11.8 m / 38.8 ft Horizontal : -194 to +166°, Vertical : -30 to +85°, Yaw : ±100° 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 1008aer-T7, N435 connector <b>[16 : 9 mode (50 fps mode)]</b> <sup>7</sup> <b>2</b> , <b>[16 : 9 mode (30 fps mode)], <b>[16 : 9 mode (50 fps mode)]</b><sup>7</sup> <b>2</b>, <b>116 : 9 mode (25 fps mode)] 1280x4960, VCA, QVCA <b>[4 : 3 mode (30 fps mode)]</b>, <b>[4 : 3 mode (12.5 fps mode)]</b> 2048x153<sup>6</sup> <b>5</b>, 1280x4960, VCA, QVCA</b></b>			
Adjusting Browser GUI	Maximum Aperture Ratio Focusing Range Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf) Angle Camera Control Audio GUI / Setup Menu Language Browser'4 Network IF Resolution H.265/ H.264/ JPEG (MJPEG)	Horizontal : 36° (TELE) – 113° (WIDE), Vertical : 20° (TELE) – 60° (WIDE) <b>[ 4 : 3 mode]</b> Horizontal : 26° (TELE) – 82° (WIDE), Vertical : 20° (TELE) – 60° (WIDE) 1 : 1.3 (WIDE) – 1 : 2.5 (TELE) 0.3 m (11-13)16 inches) – ∞ Wide: 25.4 m / 83.4 ft, Tele: 18.2 m / 387.7 ft Wide: 0.2 m / 33.4 ft, Tele: 18.2 m / 387.7 ft Wide: 0.2 m / 33.4 ft, Tele: 47.3 m / 155.1 ft Wide: 0.2 m / 8.3 ft, Tele: 47.3 m / 155.1 ft Wide: 0.2 m / 8.3 ft, Tele: 11.8 m / 38.8 ft Horizontal : -194 to +166°, Vertical : -30 to +85°, Yaw : ±100° Brightness, AUX On / Off Wic (Line) Input : 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 <b>[16 : 9 mode (50 fps mode)]</b> <sup>2</sup> , <b>[16 : 9 mode (30 fps mode)]</b> , <b>[16 : 9 mode (50 fps mode)]</b> <sup>2</sup> , <b>[16 : 9 mode (25 fps mode)]</b> 1920x1080, 1280x720, 640x360, 320x180 <b>[4 : 3 mode (15 fps mode)]</b> , <b>[4 : 3 mode (12.5 fps mode)]</b> 2048x1536 <sup>45</sup> , 1280x960, VGA, QVGA			
Adjusting Browser GUI	Maximum Aperture Ratio Focusing Range Detect (25ppm / 8ppf) Observe (62.5ppm / 19ppf) Recognize (125ppm / 38ppf) Identify (250ppm / 76ppf) Angle Camera Control Audio GUI / Setup Menu Language Browser'4 Network IF Resolution H.265/ H.264/ JPEG (MJPEG)	Horizontal : 36° (TELE) – 113° (WIDE), Vertical : 20° (TELE) – 60° (WIDE) <b>[ 4 : 3 mode]</b> Horizontal : 26° (TELE) – 82° (WIDE), Vertical : 20° (TELE) – 60° (WIDE) 1 : 1.3 (WIDE) – 1 : 2.5 (TELE) 0.3 m (11-13)16 inches) – ∞ Wide: 25.4 m / 83.4 ft, Tele: 18.2 m / 387.7 ft Wide: 5.1 m / 16.7 ft, Tele: 23.6 m / 77.5 ft Wide: 5.1 m / 16.7 ft, Tele: 23.6 m / 77.5 ft Wide: 2.5 m / 8.3 ft, Tele: 11.8 m / 38.8 ft Horizontal : -194 to +166°, Vertical : -30 to +85°, Yaw : ±100° 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 1008aer-T7, N435 connector <b>[16 : 9 mode (50 fps mode)]</b> <sup>7</sup> <b>2</b> , <b>[16 : 9 mode (30 fps mode)], <b>[16 : 9 mode (50 fps mode)]</b><sup>7</sup> <b>2</b>, <b>116 : 9 mode (25 fps mode)] 1280x4960, VCA, QVCA <b>[4 : 3 mode (30 fps mode)]</b>, <b>[4 : 3 mode (12.5 fps mode)]</b> 2048x153<sup>6</sup> <b>5</b>, 1280x4960, VCA, QVCA</b></b>			

Appearance



Madaranala	Consert Cardina	COR (Come of sistered control):		
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		
		G.711 : 64 kbps		
		AAC-LC <sup>*7</sup> : 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,		
	Supported Hotocol	DHCPV6, RTP, MLD, ICMP, ARP, IEEE 802.1X, DiffServ, STP <sup>10</sup> , MQTT <sup>10</sup> , LLDP <sup>10</sup> 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 <sup>*10</sup> , MQTT <sup>*10</sup> , LLDP <sup>*10</sup>		
	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		
	including card			
		Available 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, Panasonic alarm protocol 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 <sup>*8</sup>	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 k $\Omega$ (unbalanced)		
		Supply voltage : 2.5 V ±0.5 V		
	-			
	For line input :	Input level : Approx10 dBV		
	Audio Output <sup>*8</sup>	ø3.5 mm stereo mini jack (monaural output)		
		Output impedance : Approx. 600 $\Omega$ (unbalanced)		
		Output level : -20 dBV		
	External I/O Terminals <sup>*8</sup>	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 <sup>*8</sup> : 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 Converte	ed value			

1 Converted value

<sup>1</sup> 2 When 60 fps or 50 fps is selected, the Super Dynamic function is automatically set to off. <sup>1</sup> 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. <sup>1</sup> 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}. \*10 It may be necessary to upgrade the firmware to use these protocols.

### AI Analytics applications

https://i-pro.com/global/en/surveillance/products/i-pro-ai-application

# AI 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 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.

#### AI 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.

#### 3rd party applications are also available.

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

### **Optional Accessories**

#### Fiber Optic Media Converter Unit

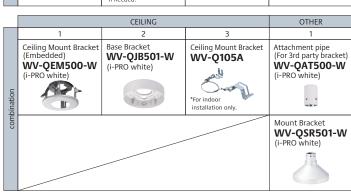
Fiber-optic Media Converter Unit Fiber Optic Media Converter Unit supports long distance optical networks by converting copper RJ45 to fiber.

WV-S25F1 (Light gray)	<ul> <li>Basic specifications</li> </ul>		<ul> <li>Support specifications for SFP module</li> </ul>		
	Power source	24 V AC(50 Hz/60 Hz)	SFP Port Type	LC type	
	Ambient Operating Temperature :	-40 °C to +60 °C {-40 °F to 140 °F} (Power On range: -30 to +60 {-22 °F to 140 °F})	Ethernet Speed	100/1000 Mbps	
1 1	Ambient Operating Humidity :	10 % to 100 %(no condensation)	Supply voltage, current	3.3 V typical, Max. 300 mA	
	Waterproof	IP66(IEC60529)	SFP Cage	Standard mini-SFP cage	
	Shock resistance	IK10(IEC62262)		(For 6.5 mm pitch SFP)	
6 I I 6	*This unit requires an SFP module. *Refer to website for compatible SFP modules. https://security.panasonic.com/support/info/ <control :="" c0504="" no.=""></control>		*Different Color Model WV-X65F1 (Fine silver)		

#### Mount Bracket / Other

	WALL		POLE	CORNER	HANGING		
	1	2	3	1	1	1	2
	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 <sup>1</sup> (i-PRO white)
bination			T				*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.	) T o T		2 + 💟	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





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

Trademarks and registered trademarks

- iPad and iPhone are trademarks of Apple Inc., registered in the U.S. and other countries.
 - Android is a trademark of Google LLC.

- 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.
- Panasonic i-PRO Sensing Solutions 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.

# Panasonic

### Panasonic Corporation

# Panasonic i-PRO Sensing Solutions Co., Ltd.

https://i-pro.com/corp/ https://i-pro.com/global/en/surveillance https://www.linkedin.com/company/i-pro-sensing-solutions-co-ltd/

(2A-284BA-BB)