## **Panasonic**

## WV-S4576L

#### **BUSINESS**

# Edge AI 360-degree fisheye camera that provides video surveillance without any blind spots and business intelligence.

## 12MP Sensor IR Outdoor 360 Fisheye Network Camera with AI engine

The new S-series fisheye camera is a new-generation camera equipped with an AI processor that realizes edge AI processing. With a high-performance fisheye lens and our own video compression technology, it is possible to clearly shoot 360 degrees in all directions up to the periphery of the screen with a single camera.

The camera is equipped with an AI processor, and contribute to solve various problems by installing an AI application according to the purpose.

It is possible to visualize the number of people and the congestion status with a dashboard that can be customized according to the customer's operation style, and use it for business intelligence purposes.

#### **Key features**

- The Al processor equipped with a camera realizes motion detection of people / vehicles, number counting, and congestion detection. It also supports third-party Al applications and can meet a variety of Al demands. The data aggregated inside the camera can be visualized on the dashboard in cooperation with our system, and can be used for marketing and business intelligence.
- Equipped with industry standard protocols such as ONVIF, it can be linked with third-party display software as an IoT terminal for sensor networks. Furthermore, it is possible to integrate and utilize it in another system customized according to the customer's operation.
- Equipped with a high-performance fisheye lens that has been well-established in the market, one camera can clearly shoot 360 ° in all directions up to the periphery of the screen.
- Our original smart coding compatible with H.264 and H.265 delivers high-resolution video at high image quality and low bit rate. Achieved useful images by combining with highly visible images by the intelligent auto (iA) function.

### Key i-PRO Spec.

- 12MP Sensor
- 2992x2992 pixel fisheye images up to 30fps
- Intelligent Auto (with AI Engine)
- Smart Coding (with AI Engine)
- ABF (Auto Back Focus)
- IP66, IK10, 50J compliant, Anti-Condensation System
- 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**

- Transportation (Airport / Train, Subway station)
- Retail / Bank
- Logistics / Factory
- Building
- Education / Hospital



with Base Bracket



2992 x 2992 4000 x 3000





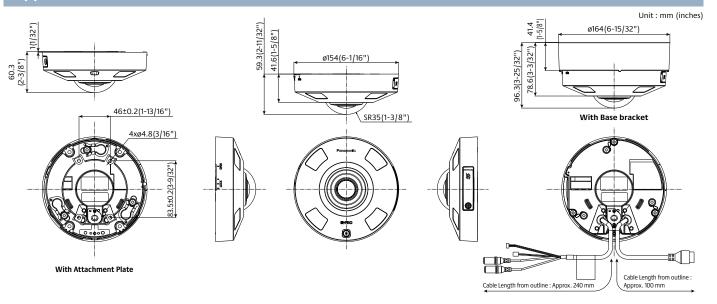
#### Specifications

Camera	ifications			
	Image Sensor	Approx. 1/2 type 12MP CMOS image sensor		
	Minimum Illumination	Color: 0.3 lx, BW: 0.04 lx		
		(F1.9, Maximum shutter : Off (1/30 s), AGC : 11)		
		BW:0lx		
		(F1.9, Maximum shutter : Off (1/30 s), AGC : 11, when the IR LED is lit)		
		Color: 0.02 lx, BW: 0.003 lx		
		(F1.9, Maximum shutter : max. 16/30s, AGC : 11) *1		
	Intelligent Auto			
		On / Off		
	Maximum shutter	Max.16/30s to Max. 1/10000s		
	Wide Dynamic Range*2	On / Off, The level can be set in the range of 0 to 31.		
	Dynamic Range	Max.84 dB (Wide Dynamic Range : On, level : 31)		
	Image Settings	Gain (AGC), White balance		
	Image Compensation	Adaptive black stretch, Back light compensation (BLC)		
		Fog compensation, High light compensation (HLC, Digital noise reduction		
	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: 1.4 m{Approx. 45 ft}(30IRE)*1, 10 m {Approx. 33 ft		
		(Mounting height : Approx. 3 m, Peripheral intensity control : On)		
	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		
	Camera Title (OSD)	On / Off, Up to 20 characters (alphanumeric characters, marks)		
	Fixing angle adjustment	-5°, 0°, +5°		
Lens	Zoom Ratio	1x		
	Digital (electronic) zoom	Choose from 3 levels of x1, x2, x4		
	Focal length	1.4 mm {1/16 inches}		
	Maximum Aperture Ratio	1:1.9		
	Focus range	0.5 m {19-11/16 inches} - ∞		
	Angular Field of view	Horizontal : 183° Vertical : 183°		
DORI	Distance to the object	Detect (25 ppm / 8 ppf) : 29.9 m / 98.2 ft		
	in the center of the image	Observe (62.5 ppm / 19 ppf): 12.0 m / 39.3 ft		
		Recognize (125 ppm / 38 ppf) : 6.0 m / 19.6 ft		
		Identify (250 ppm / 76 ppf) : 3.0 m / 9.8 ft		
	Coverage radius	Detect (25 ppm / 8 ppf) : 56.1 m / 184.2 ft		
	when mounted at a height	Observe (62.5 ppm / 19 ppf) : 20.6 m / 67.6 ft		
	of 3 m (10 ft)	Recognize (125 ppm / 38 ppf) : 8.4 m / 27.6 ft		
	(	Identify (250 ppm / 76 ppf) : 0.3 m / 0.9 ft		
Browser	Camera Control	Brightness, AUX On / Off		
GUI	Audio	Mic (Line) Input: On / Off Volume adjustment: Low / Middle / High		
GOI	Addio			
		Audio Output : On / Off   Volume adjustment : Low / Middle / High		
	CIII / Sotup Monu Languago	Audio Output : On / Off Volume adjustment : Low / Middle / High		
Network	GUI / Setup Menu Language	English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese		
Network	Network IF	English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese 10Base-T / 100Base-TX, RJ45 connector		
Network	Network IF Resolution <ceiling></ceiling>	English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese 10Base-T / 100Base-TX, RJ45 connector •Fisheye mode (max. 30 fps/25 fps)		
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Network	Network IF Resolution <ceiling> <wall></wall></ceiling>	English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese 10Base-T / 100Base-TX, R145 connector  •Fisheye mode (max. 30 fps/25 fps) 2992×2992 / 2192×2192 / 1280×1280 / 640×640 / 320×320  •Quad PTZ mode (max. 15 fps/12.5 fps), Single PTZ mode (max. 15 fps/12.5 fps) 2560×1920°3 / 2048×1536 / 1600×1200 / 1280×960 / 800×600 / VGA / QVG/  •Double Panorama mode (max. 15 fps/12.5 fps) 2560×1440 / 1920×1080 / 1280×720 / 640×360 / 320×180  •Fisheye + Double Panorama mode (max. 15 fps/12.5 fps)		
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Network	Network IF Resolution <ceiling> <wall> <ceiling></ceiling></wall></ceiling>	English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese 10Base=T / 10DBase=TX, RM45 connector  *Fisheye mode (max. 30 fps;25 fps)  2992×2992 / 2192×2192 / 1280×1280 / 640×640 / 320×320  *Quad PTZ mode (max. 15 fps;12.5 fps), Single PTZ mode (max. 15 fps;12.5 fps)  2560×1920°3 / 2048×1536 / 1600×1200 / 1280×960 / 800×600 / VGA / QVGA  *Double Panorama mode (max. 15 fps;12.5 fps)  2560×1440 / 1920×1080 / 1280×720 / 640×360 / 320×180  *Fisheye + Double Panorama mode (max. 15 fps;12.5 fps)  (Fisheye) 2992×2992 / 2192×2192 / 1280×1280 / 640×640 / 320×320  (Double Panorama) 1280×720 / 640×360 / 320×180  *Fisheye + Quad PTZ mode (max. 15 fps;12.5 fps)  (Fisheye) 2992×2992 / 2192×2192 / 1280×1280 / 640×640 / 320×320  (Quad PTZ) 1280×960 / 800×600 / VGA / QVGA (max. 15 fps;12.5 fps  (Quad PTZ) 2560×1920 / 2048×1536 / 1600×1200 / 1280×960 / 800×600 / VGA / QVGA (max. 15 fps;12.5 fps  *Panorama mode (max. 15 fps;12.5 fps)  *Panorama mode (max. 15 fps;12.5 fps)  *Fisheye + Panorama mode (max. 15 fps;12.5 fps)  *Fisheye + Panorama mode (max. 15 fps;12.5 fps)  *Fisheye + Panorama mode (max. 15 fps;12.5 fps)		
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Network	Network IF Resolution <ceiling> <wall> <ceiling> </ceiling></wall></ceiling>	English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese 10Base-T / 100Base-TX, RM45 connector  *Fisheye mode (max. 30 fps/25 fps)  2992×2992 / 2192×2192 / 1280×1280 / 640×640 / 320×320  *Quad PTZ mode (max. 15 fps/12.5 fps), Single PTZ mode (max. 15 fps/12.5 fps)  2560×1920* / 2048×1536 / 1600×1200 / 1280×960 / 800×600 / VGA / QVG/ *Double Panorama mode (max. 15 fps/12.5 fps)  2560×1440 / 1920×1080 / 1280×720 / 640×360 / 320×180  *Fisheye + Double Panorama mode (max. 15 fps/12.5 fps)  (Fisheye) 2992×2992 / 2192×2192 / 1280×1280 / 640×640 / 320×320  (Double Panorama) 1280×720 / 640×360 / 320×180  *Fisheye + Quad PTZ mode (max. 15 fps/12.5 fps)  (Fisheye) 2992×2992 / 2192×2192 / 1280×1280 / 640×640 / 320×320  (Quad PTZ) 1280×960 / 800×600 / VGA / QVGA (max. 15 fps/12.5 fps  (Gingle PTZ (Quad streams)) 1280×960 / 800×600 / VGA / QVGA (max. 15 fps/12.5 fps  (Quad PTZ) 2560×1920 / 2048×1536 / 1600×1200 / 1280×960 / 800×600 / VGA / QVGA (max. 15 fps/12.5 fps  (Quad PTZ) 2560×1920 / 2048×1536 / 1600×1200 / 1280×960 / 800×600 / VGA / QVGA (max. 15 fps/12.5 fps  *Panorama mode (max. 15 fps/12.5 fps)  *Panorama mode (max. 15 fps/12.5 fps)  (Fisheye) + Panorama mode (max. 15 fps/12.5 fps)  (Fisheye) 2992×2992 / 2192×2192 / 1280×1280 / 640×640 / 320×320  (Panorama) 1280×720 / 640×360 / 320×180  *Fisheye + Panorama mode (max. 15 fps/12.5 fps)  (Fisheye) 2992×2992 / 2192×2192 / 1280×1280 / 640×640 / 320×320  (Panorama) 1280×720 / 640×360 / 320×180  *Fisheye + Panorama mode (max. 15 fps/12.5 fps)  (Fisheye) 2992×2992 / 2192×2192 / 1280×1280 / 640×640 / 320×320  (Panorama) 1280×720 / 640×360 / 320×180  *Fisheye + Panorama mode (max. 15 fps/12.5 fps)  *Fisheye + Pan		
Network	Network IF Resolution <ceiling> <wall> <ceiling> </ceiling></wall></ceiling>	English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese 10Base=T / 100Base=TX, RM45 connector  *Fisheye mode (max. 30 fps;25 fps)  2992×2992 / 2192×2192 / 1280×1280 / 640×640 / 320×320  *Quad PTZ mode (max. 15 fps;12.5 fps), Single PTZ mode (max. 15 fps;12.5 fps)  2560×1920°3 / 2048×1536 / 1600×1200 / 1280×960 / 800×600 / VGA / QVG/  *Double Panorama mode (max. 15 fps;12.5 fps)  2560×1440 / 1920×1080 / 1280×720 / 640×360 / 320×180  *Fisheye + Double Panorama mode (max. 15 fps;12.5 fps)  (Fisheye) 2992×2992 / 2192×2192 / 1280×1280 / 640×640 / 320×320 (Double Panorama) 1280×720 / 640×360 / 320×180  *Fisheye + Quad PTZ mode (max. 15 fps;12.5 fps)  (Fisheye) 2992×2992 / 2192×2192 / 1880×1280 / 640×640 / 320×320 (Quad PTZ) 1280×960 / 800×600 / VGA / QVGA  *Quad streams mode (Single PTZ (Quad streams)) 1280×960 / 800×600 / VGA / QVGA (max. 15 fps;12.5 fps (204d PTZ) 2560×1920 / 2048×1536 / 1600×1200 / 1280×960 / 800×600 / VGA / QVGA (max. 15 fps;12.5 fps / 2560×1440 / 1920×1080 / 1280×20 / 640×360 / 320×180  *Fisheye + Panorama mode (max. 15 fps;12.5 fps) (Fisheye) 2992×2992 / 2192×2192 / 1280×1280 / 640×640 / 320×320 (Fisheye) 2992×2992 / 2192×2192 / 1280×1280 / 640×640 / 320×320 (Fisheye) 2992×2992 / 2192×2192 / 1280×1280 / 640×640 / 320×320 (Fisheye) 2992×2992 / 2192×2192 / 1280×1280 / 640×640 / 320×320 (Panorama) 1280×720 / 640×360 / 320×180  *Constant bit rate / VBR / Frame rate / Best effort		
Network	Network IF Resolution <ceiling> <wall> <ceiling> </ceiling></wall></ceiling>	English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese 10Base-T / 100Base-TX, RM45 connector  *Fisheye mode (max. 30 fps/25 fps)  2992×2992 / 2192×2192 / 1280×1280 / 640×640 / 320×320  *Quad PTZ mode (max. 15 fps/12.5 fps), Single PTZ mode (max. 15 fps/12.5 fps)  2560×1920* / 2048×1536 / 1600×1200 / 1280×960 / 800×600 / VGA / QVG/ *Double Panorama mode (max. 15 fps/12.5 fps)  2560×1440 / 1920×1080 / 1280×720 / 640×360 / 320×180  *Fisheye + Double Panorama mode (max. 15 fps/12.5 fps)  (Fisheye) 2992×2992 / 2192×2192 / 1280×1280 / 640×640 / 320×320  (Double Panorama) 1280×720 / 640×360 / 320×180  *Fisheye + Quad PTZ mode (max. 15 fps/12.5 fps)  (Fisheye) 2992×2992 / 2192×2192 / 1280×1280 / 640×640 / 320×320  (Quad PTZ) 1280×960 / 800×600 / VGA / QVGA (max. 15 fps/12.5 fps  (Gingle PTZ (Quad streams)) 1280×960 / 800×600 / VGA / QVGA (max. 15 fps/12.5 fps  (Quad PTZ) 2560×1920 / 2048×1536 / 1600×1200 / 1280×960 / 800×600 / VGA / QVGA (max. 15 fps/12.5 fps  (Quad PTZ) 2560×1920 / 2048×1536 / 1600×1200 / 1280×960 / 800×600 / VGA / QVGA (max. 15 fps/12.5 fps  *Panorama mode (max. 15 fps/12.5 fps)  *Panorama mode (max. 15 fps/12.5 fps)  (Fisheye) + Panorama mode (max. 15 fps/12.5 fps)  (Fisheye) 2992×2992 / 2192×2192 / 1280×1280 / 640×640 / 320×320  (Panorama) 1280×720 / 640×360 / 320×180  *Fisheye + Panorama mode (max. 15 fps/12.5 fps)  (Fisheye) 2992×2992 / 2192×2192 / 1280×1280 / 640×640 / 320×320  (Panorama) 1280×720 / 640×360 / 320×180  *Fisheye + Panorama mode (max. 15 fps/12.5 fps)  (Fisheye) 2992×2992 / 2192×2192 / 1280×1280 / 640×640 / 320×320  (Panorama) 1280×720 / 640×360 / 320×180  *Fisheye + Panorama mode (max. 15 fps/12.5 fps)  *Fisheye + Pan		

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.			
		Auto VIQS : On / Off			
	Audio Compression	G.726 (ADPCM) : 16 kbps / 32 kbps			
	Addio Compression	G.711 : 64 kbps			
	5 1 18 1				
	Supported Protocol	IPv6 : TCP/IP, UDP/IP, HTTP, HTTPS, SSL/TLS, SMTP, DNS, NTP,			
		SNMP v1/v2/v3, DHCPv6, RTP, MLD, ICMP, ARP, IEEE 802.1X, DiffServ			
		IPv4 : TCP/IP, UDP/IP, HTTP, HTTPS, SSL/TLS, RTSP, RTP, RTP/RTCP,			
		SMTP, DHCP, DNS, DDNS, NTP, SNMP v1/v2/v3, UPnP, IGMP, ICMP,			
		ARP, IEEE 802.1X, DiffServ, SRTP			
	Maximum concurrent access number	Up to 14 users (Depends on network conditions)			
	SDXC/SDHC/SD	H.265 / H.264 recording : Manual REC / Alarm REC (Pre/Post) / Schedule REC			
	Memory Card	JPEG recording: Manual REC / Alarm REC (Pre/Post) Compatible SDXC/SDHC/SD card:			
		2 GB, 4 GB*, 8 GB*, 16 GB*, 32 GB*, 64 GB**, 128 GB**,			
		256 GB**, 512GB**model			
		*SDHC card, ** SDXC card (except miniSD card and microSD card)			
	Mobile Terminal Compatibility	iPad, iPhone, Android™ terminals			
	ONVIF® Profile	G / M / S / T			
A1	Alarm Source	3 terminals input, VMD, Command alarm			
Alarm	Alarm Actions				
	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, ø3.5 mm mini jack			
Output	(for adjustment)	An NTSC or PAL signal can be outputted from camera			
	Audio Input For microphone	ø3.5 mm stereo mini jack, 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 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	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)			
General	Safety	UL (UL62368-1), c-UL (CSA C22.2 No.62368-1), CE, IEC62368-1			
	EMC	FCC (Part15 ClassA), ICES003 ClassA, EN55032 ClassB, EN55024, EN55035			
	Elvic .	ECE-R10, EN50498 compliant, EN50121			
	Power Source and	DC power supply: DC 12 V 1.1 A/Approx. 13.2 W			
	Power Consumption	PoE (IEEE802.3af compliant) Device : DC 48 V 270 mA/Approx. 12.95 W (Class 0 device)			
	Ambient Operating	IR LED : On -40 °C to +50 °C (-40 °F to 122 °F)			
	Temperature	IR LED : Off -40 °C to +60 °C (-40 °F to 140 °F)			
	Ambient Operating Humidity	10% to 100 % (no condensation)			
	Anti-Condensation System	Rosahl element			
	Water and Dust Resistance	IP66(IEC60529), Type 4X(UL50), NEMA 4X compliant			
	Shock Resistance	50J (IEC 60068-2-75 compliant), IK10 (IEC 62262)			
	Wind Resistance	Up to 40 m/s {approx. 89 mph}			
	Railway Application	EN50155-TX			
	Dimensions	When using the attachment plate only:			
		ø154 mm × 60.3 mm (H) {ø6-1/16 inches × 2-3/8 inches (H)}			
		Dome radius 35 mm (1-3/8 inches)			
		When using the base bracket:			
		ø164 mm × 96.3 mm (H) {ø6-15/32 inches × 3-25/32 inches (H)}			
		Dome radius 35 mm {1-3/8 inches}			
	Mass (approx.)	When using the attachment plate only: Approx. 880 g {1.94 lbs}			
		When using the base bracket: Approx. 1.3 kg {2.87 lbs}			
	Finish	Main body : Aluminum die cast, i-PRO white			
	Finish	Main body: Aluminum die cast, i-PRO white  Outer fixing screws: Stainless steel (Corrosion-resistant treatment)			

Refer to the Operating Instructions on the our support web site for descriptions of how to switch the output.

## Appearance



<sup>22</sup> When "On (level 30 or 31)" is selected for "Wide Dynamic Range (WDR)", the frame rate is restricted to a maximum of 15fps (30fps mode) or 12.5fps (25fps mode).

 $<sup>\</sup>hbox{$^*3$ When "Single PTZ" mode is used in wall installations, the $2560\times1920$ resolution cannot be used.}$ 

<sup>\*4</sup> Transmission for 2 streams can be individually set.

\*5 When recording audio on an SD memory card, only use AAC-LC (Advanced Audio Coding - Low Complexity).

<sup>\*6</sup> The audio output can be switched to the monitor output.

#### **Bundled License**

#### ■ AI-VMD/AI People Counting for 360-degree fisheye

#### AI Video Motion Detection

- Al differentiates between vehicles and people. It further detects and sends warning notifications when they enter a specified area.
- Intruder detection:

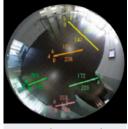
It is possible to issue an alarm when a moving object enters a specified area.

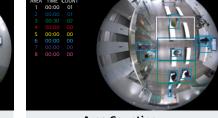
- · Cross Line detection:
- It is possible to issue an alarm when an object moving in the specified direction crosses a specified threshold.
- Loitering detection: It is possible to issue an alarm when a moving object enters a specified area and stays there for a specified amount of time.



#### **People Counting**

- Cross Line Counting: It provides function of counting the number of people who crossed the line in a certain direction which is set with "Line"
- Area Counting (Queue Management): It provides function of counting the number of people in the set area.



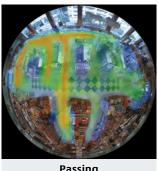


**Cross Line Counting** 

**Area Counting** 

#### Heat map

• Heat-map provides statistical information of traffic lines. Counts up both passing and loitering in the shooting area.







**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.



#### ■ AI Privacy Guard for 360-degree fisheye

#### 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.



Original image





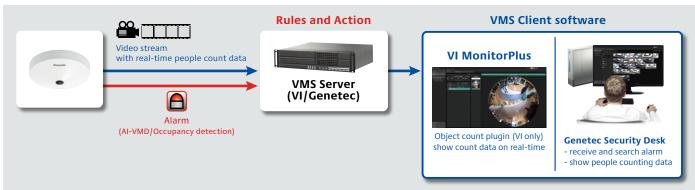


#### **Multi-Al Server**

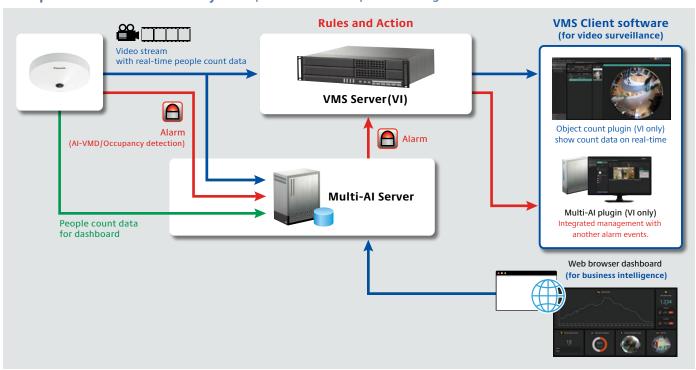
• Multi-Al Server stores the best shot images and metadata captured by i-PRO network cameras. Then, it collates this data with the watch list registered in the client software and issues an alarm when a match is found. The server does not require expensive hardware because i-PRO network cameras handle the advanced processing. The server can also be installed on the same hardware as the VMS.

The system comprises the Multi-Al Server, the Al application installed on i-PRO network cameras utilizing Al engines, and the Multi-Al plug-in software for the VMS client.

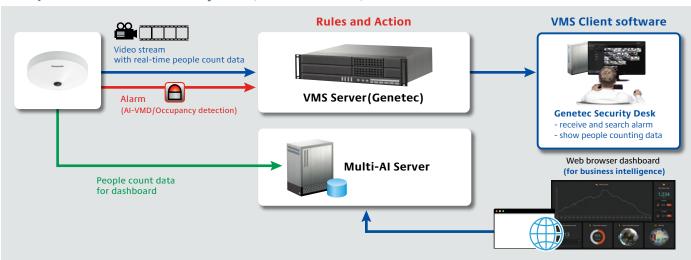
#### Example of Basic connection system (without Multi-Al Server)



#### Example of Basic connection system (with Multi-Al Server) for Video Insight



#### **Example of Basic connection system** (with Multi-Al Server ) for Genetec



\*VMS Server and Multi-Al Server can be installed on the same server.

#### **Optional Accessories**

#### Fiber 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)			

\*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

	WA	<b>ALL</b>	POLE	CORNER	HANGING	CEILING	OTHER
combination	1	2	1	1	1	1	1
	Wall Mount Bracket WV-QWL501-W (i-PRO white)	Wall Mount Bracket WV-QWL500-W (i-PRO white)	Pole Mount Bracket <b>WV-QPL500-W</b> (i-PRO white)	Corner Mount Bracket  WV-QCN500-W (i-PRO white)	Ceiling Mount Bracket <b>WV-QCL501-W</b> (i-PRO white)	Ceiling Mount Bracket WV-Q105A	Attachment pipe (For 3rd party bracket) WV-QAT500-W
	- 0					*For indoor installation only.	(i-PRO white)
	Mount Bracket WV-QSR501-W (i-PRO white)	Adapter Box WV-QJB500-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)		Mount Bracket WV-QSR501-W (i-PRO white)
	3	*If needed.	+ 0	+ 0			8

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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.

  - 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** 

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