

WV-S4151

5MP Sensor Indoor 360-degree Fisheye Network Camera

Panasonic WV-S4151 captures the highest quality images in even very challenging and dynamic environments. In particular, the image of the person's face or object at the edge of the fisheye is clear with less distortion. Intelligent Auto (iA) monitors scene dynamics and motion to adjust key camera settings automatically in real-time reducing distortion such as motion blur on moving objects. Adopting H.265 Smart Coding technology, bandwidth efficiency is intelligently increased for longer recording and less storage. Cameras out-of-the-box, use an encryption module standardized by FIPS Publication 140-2 for secure video streaming.

Extreme image quality for evidence capturing under challenging conditions

- Clear and less distorted image of the person's face and objects at the edge of the fisheye
- Instant response to sudden light changes like tunnel entry and exit
- Auto Shutter speed control for fast moving objects
- Super Dynamic 120dB for backlit situations and shadows on night streets

Extreme bandwidth compression with new Panasonic H.265 Smart Coding

- Longer recording and less storage space compared to any H.264 based compression techniques
- New self-learning ROI* encoding (Auto VIQS) dynamically detects motion areas to keep vehicles and humans in good picture quality while lowering your bandwidth "Region of Interest

Extreme Data Security

- Full encryption SD card edge recording to keep your data safe
- FIPS140-2 CAVP compliant *Using encryption module standardized by FIPS publication 140-2
- Full end-to-end system encryption with supported VMS and devices to protect from IP snooping/spoofing and detect data alteration

Complete with powerful analytics built-in

- Heat map : Visualization of people's traffic pattern and staying times
- People Counting : Statistics data on the number of people entering and leaving a specific zone
- MOR (Moving Object Remover) : Monitoring of only the surrounding environment by removing people and other moving objects from video

Key Features

- 2192x2192 pixel fisheye images up to 30fps
- iA (intelligent Auto)
- Super Dynamic 120dB
- H.265 Smart Coding
- i-VMD License Bundled
- Onvif Profile G / S / T

Industry examples

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





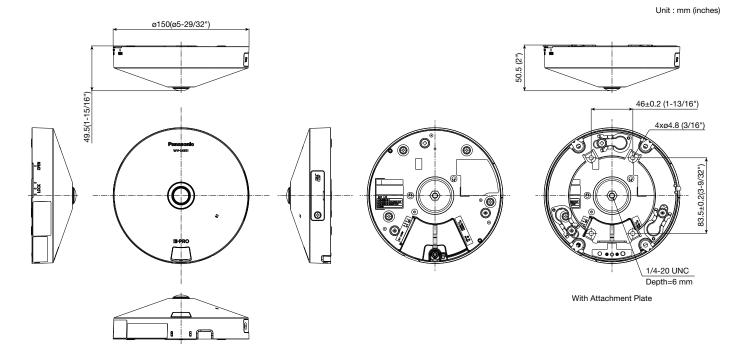
Specifications

narks)
Middle / High
Middle / High
inese, Japanese
x. 30 fps/25 fps
-)
s)
ax. 30 fps/25 fps
GA (max. 5 fps
i

Network		Transmission Mode			
	-	Transmission Type	Unicast port (AUTO)/ Unicast port (MANUAL)/ Multicast		
		Image Quality	10 steps		
	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,		
			G.711 : 64 kbps,		
			AAC-LC ^{*5} : 64 kbps / 96 kbps / 128 kbps		
	Supported Protocol Maximum concurrent access number		IPv6 : TCP/IP, UDP/IP, HTTP, HTTPS, SMTP, DNS, NTP,		
			SNMP, DHCPv6, RTP, MLD, ICMP, ARP, IEEE 802.1X, DiffServ IPv4 : TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP, SMTP, DHCP, DNS, DDNS, NTP, SNMP, UPnP, IGMP, ICMP,		
			ARP, IEEE 802.1X, DiffServ		
			Up to 14 users (Depends on network conditions)		
	SDXC/S	SDHC/SD	H.265 / H.264 recording :		
	Memory Card (Option)		Manual REC / Alarm REC (Pre/Post) / Schedule REC		
			JPEG recording : Manual REC / Alarm REC (Pre/Post)		
			Compatible SDXC/SDHC/SD card :		
			Panasonic 2 GB, 4 GB*, 8 GB*, 16 GB*, 32 GB*, 64 GB**, 128 GB**,		
			256 GB**model		
			*SDHC card, ** SDXC card (except miniSD card and microSD card)		
	Mobile Terminal Compatibility		iPad, iPhone, Android™ terminals		
	ONVIF Profile		G/S/T		
Alarm	Alarm Source		3 terminals input, VMD, Command alarm		
Alarin	Alarm Actions		SDXC/SDHC/SD memory recording, E-mail notification,		
	/		HTTP alarm notification Indication on browser,		
			Panasonic alarm protocol output		
Input/	Audio Ir	aput	ø3.5 mm stereo mini jack, Recommended applicable microphone : Plug-in power type		
Output			(Sensitivity of microphone : -48 dB ±3 dB (0 dB=1 V / Pa,1 kHz))		
Output			Input impedance : Approx. 2 k Ω (unbalanced) Supply voltage : 2.5 V ±0.5 V		
			Nondirectional electret condenser microphone		
	Built-in microphone				
	Audio Output*6 External I/O Terminals		ø3.5 mm stereo mini jack (monaural output)		
			Output impedance : Approx. 600 Ω (unbalanced) Output level : -20 dBV		
			ALARM IN 1 (Auto time adjustment) (x1),		
Company			ALARM IN 2 (ALARM OUT) (x1), ALARM IN 3 (AUX OUT) (x1)		
General	Safety		UL (UL60950-1), c-UL (CSA C22.2 No.60950-1), CE, IEC60950-1		
	EMC		FCC (Part15 ClassA), ICES003 ClassA, EN55032 ClassB, EN55024, EN55035		
	Power Source and		DC power supply : DC12 V 400 mA, Approx. 4.8 W		
	Power (Consumption	PoE (IEEE802.3af compliant) Device :		
			DC48 V 110 mA, Approx. 5.3 W (Class 2 device)		
	Ambient Operating Temperature				
	Ambient Operating Humidity		10% to 90 % (no condensation)		
	Dimensions		ø150 mm × 50.5 mm (H) {ø5-29/32 inches × 2 inches (H)}		
	Mass (approx.)		Approx. 390 g {0.86 lbs}		
	Finish		Main body : ABS resin, i-PRO white		
*1 Conver	tod volue				

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Appearance



Plug-in Software for i-VMD

i-VMD is possible to detect objects in the specified

area by advanced video analysis technology

i-VMD : People Counting, Heat-map, MOR (Moving Object Remover), Intruder Detection, Loitering Detection, Cross line Detection, Object Detection, Scene change Detection



Notification sent to the monitoring screen

Optional Accessories

Mount Bracket / Other				
Ceiling Mount Bracket WV-Q105A	Wall Mount Bracket WV-QWL500-W (i-PRO white)	Adapter Box WV-QJB500-W (i-PRO white)	Pole Mount Bracket WV-QPL500-W (i-PRO white)	Corner Mount Bracket WV-QCN500-W (i-PRO white)
Con D		(This bracket requires WV-QWL500-W.)	(This bracket requires WV-QWL500-W.)	(This bracket requires WV-QWL500-W.)

•Brackets are available in four colors, Fine silver, Light gray, Gray and i-PRO white. It is possible to use them in different color combinations.

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- iPad and iPhone are trademarks of Apple Inc., registered in the U.S. and other countries.
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- Important Safety Precautions : Carefully read the Basic Information, Installation Guide and
- Operating Instructions before using this product. Panasonic 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

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Panasonic i-PRO Sensing Solutions Co., Ltd.

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