

## iA H.265 360-degree Indoor Dome Camera

Panasonic WV-S4150 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. Out of the box, the camera supports full data encryption streaming and is compliant to FIPS 140-2 Level 1 standards to keep your video secured. \*Value in Advanced mode. It depends on the scene.

### 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 108dB for backlit situations and shadows on night streets

### Extreme H.265 compression with new 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
- FIPS 140-2 Level 1 compliant
- 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 \*To enable analytics, please add the optional WV-SAE200 software.

### Key Features

- 5 Megapixel images up to 30 fps
- iA (intelligent Auto)
- Super Dynamic 108dB
- H.265 Smart Coding
- FIPS 140-2 Level 1 compliant

### Applications

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



## Specifications

<b>Camera</b>	Image Sensor	Approx. 1/3 type MOS image sensor
	Minimum Illumination	Color : 0.3 lx, BW : 0.2 lx (F2.4, Maximum shutter : Off (1/30 s), AGC : 11) Color : 0.02 lx, BW : 0.013 lx (F2.4, Maximum shutter : Max. 16/30s, AGC : 11) <sup>*1</sup>
	Intelligent Auto	On / Off
	Maximum shutter	Max. 16/30s to Max. 1/10000s
	Super Dynamic	On / Off, the level can be set in the range of 0 to 31.
	Dynamic Range	108 dB (Super Dynamic : 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
	Day / Night (Electrical)	Off / Auto
	Video Motion Detection (VMD)	On / Off, 4 areas available
	Intelligent VMD (i-VMD) <sup>*2</sup>	Type 5 <sup>*</sup> optional plug-in software WV-SAE200
	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°
<b>Lens</b>	Zoom Ratio	1x
	Digital (electronic) zoom	Choose from 3 levels of x1, x2, x4
	Focal length	0.84 mm (1/32 inches)
	Maximum Aperture Ratio	1 : 2.4
	Focus range	0.3 m (11-13/16 inches) - ∞
<b>Browser GUI</b>	Angular Field of view	Horizontal : 186° Vertical : 186°
	Camera Control	Brightness, AUX On / Off
<b>Network</b>	Network IF	10Base-T / 100Base-TX, RJ45 connector
	Resolution	<Ceiling> <Wall>
<b>Network</b>	<Ceiling>	<ul style="list-style-type: none"> <li>•<b>Fisheye mode max.30 fps</b> 2192×2192 / 1280×1280 / 640×640 / 320×320</li> <li>•<b>Quad PTZ mode max.30 fps, Single PTZ mode max.30 fps</b> 1600×1200 / 1280×960 / 800×600 / VGA / QVGA</li> <li>•<b>Double Panorama mode (max. 30 fps)</b> 1920×1080, 1280×720, 640×360, 320×180</li> <li>•<b>Fisheye + Double Panorama mode (max. 30 fps)</b> (Fisheye) 2192×2192, 1280×1280, 640×640, 320×320 (Double Panorama) 1280×720, 640×360, 320×180</li> <li>•<b>Fisheye + Quad PTZ mode (max. 30 fps)</b> (Fisheye) 2192×2192, 1280×1280, 640×640, 320×320 (Quad PTZ) 1280×960, 800×600, VGA, QVGA</li> <li>•<b>Quad streams mode</b> (Single PTZ (Quad streams)) 1280×960, 800×600, VGA, QVGA (max. 30 fps) (Quad PTZ) 1600×1200, 1280×960, 800×600, VGA, QVGA (max. 5 fps)</li> </ul>
	<Wall>	<ul style="list-style-type: none"> <li>•<b>Panorama mode (max. 30 fps)</b> 1920×1080, 1280×720, 640×360, 320×180</li> <li>•<b>Fisheye + Panorama mode (max. 30 fps)</b> (Fisheye) 2192×2192, 1280×1280, 640×640, 320×320 (Panorama) 1280×720, 640×360, 320×180</li> </ul>
	<Wall>	<ul style="list-style-type: none"> <li>•<b>Panorama mode (max. 30 fps)</b> 1920×1080, 1280×720, 640×360, 320×180</li> <li>•<b>Fisheye + Panorama mode (max. 30 fps)</b> (Fisheye) 2192×2192, 1280×1280, 640×640, 320×320 (Panorama) 1280×720, 640×360, 320×180</li> </ul>

<b>Network</b>	H.265/ H.264 <sup>*3</sup>	Transmission Mode	Constant bit rate / VBR / Frame rate / Best effort
	JPEG	Transmission Type	Unicast / Multicast
	Smart Coding	Image Quality	10 steps
	Audio Compression	Image Quality	10 steps
	Supported Protocol	Image Quality	10 steps
	Maximum concurrent access number	Image Quality	10 steps
	SDXC/SDHC/SD	Image Quality	10 steps
	Memory Card (Option)	Image Quality	10 steps
	Mobile Terminal Compatibility	Image Quality	10 steps
	Alarm	Image Quality	10 steps
<b>Input/Output</b>	Audio Input	Audio Input	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
	Built-in microphone	Audio Input	ø3.5 mm stereo mini jack (monaural output) Output impedance : Approx. 600 Ω (unbalanced) Output level : -20 dBV
<b>General</b>	Power Source and Power Consumption	Power Source and Power Consumption	DC power supply : DC12 V 385 mA, Approx. 4.6 W PoE (IEEE802.3af compliant) Device : DC48 V 105 mA, Approx. 5.1 W (Class 2 device)
	Ambient Operating Temperature	Ambient Operating Temperature	-10 °C to +50 °C (14 °F to 122 °F)
<b>General</b>	Ambient Operating Humidity	Ambient Operating Humidity	10% to 90 % (no condensation)
	Dimensions	Dimensions	ø150 mm × 50.5 mm (H) (ø5-29/32 inches × 2 inches (H))
	Mass (approx.)	Mass (approx.)	Approx. 390 g (0.86 lbs)
<b>General</b>	Finish	Finish	Main body : ABS resin, sail white
	Finish	Finish	Main body : ABS resin, sail white

<sup>\*1</sup> Converted value

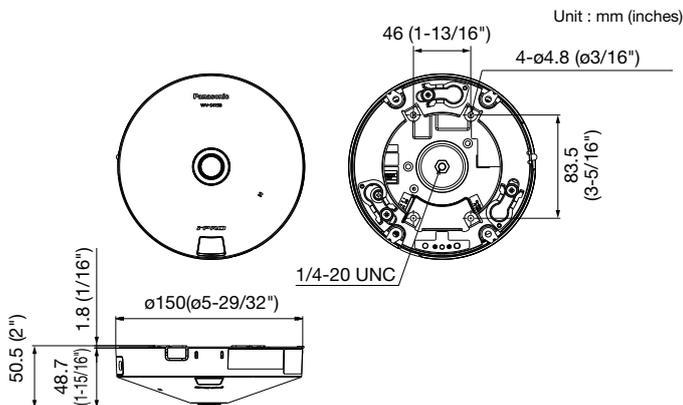
<sup>\*2</sup> Auto ViQS, i-VMD, can not be used at the same time.

<sup>\*3</sup> Transmission for 2 streams can be individually set.

<sup>\*4</sup> Only use AAC-LC (Advanced Audio Coding - Low Complexity) when recording audio on an SD memory card.

<sup>\*5</sup> The audio output can be switched to the monitor output. Refer to the Operating Instructions on the provided CD-ROM for descriptions of how to switch the output. (factory shipment : NTSC monitor)

## Appearance



### Trademarks and registered trademarks

- iPad and iPhone are registered trademarks of Apple Inc.
- Android is a trademark of Google Inc.
- All other trademarks identified herein are the property of their respective owners.

DISTRIBUTED BY :

## Optional Accessories

### Ceiling Mount Bracket WV-Q105A



### Plug-in Software for i-VMD WV-SAE200

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

### Important

- Safety Precaution : Carefully read the Important Information, Installation Guide and operating instructions before using this product.
- Panasonic cannot be 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

<http://security.panasonic.com>

<http://www.facebook.com/PanasonicNetworkCamera>

(2A-202AA)