

WV-X4573LM

12MP Sensor In-vehicle 360-degree Fisheye Network Camera

Panasonic WV-X4573LM 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
- Built-in IR LED to produce a clear monochrome image in zero lux conditions with 10 m (33 feet) irradiation distance
- Environmental durability : EN50155, IP66, IK10, 50J compliant and Dehumidification device

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

- 12MP Sensor
- 2992x2992 pixel fisheye images up to 30fps
- iA (intelligent Auto)
- H.265 Smart Coding
- ABF (Auto Back Focus)
- IP66, IK10, 50J compliant, Dehumidification device
- i-VMD License Bundled
- Onvif Profile G / S / T

Industry examples

Train

Subway car

- Light rail transit
 Bus
- Railroad Crossing





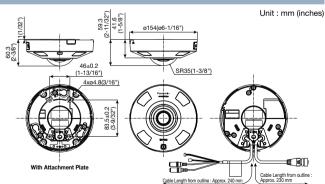
2992 x 2992 4000 x 3000



Specifications

Jamerd	Image Sensor	Approx. 1/2 type 12MP CMOS image sensor
Camera	Minimum Illumination	Color : 0.3 lx, BW : 0.04 lx
	Winning the martineador	(F1.9, Maximum shutter : Off (1/30 s), AGC : 11)
		BW : 0 lx
		(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 : 10 m {Approx. 33 ft}
		(Mounting height : Approx. 3 m, Peripheral intensity control : On)
	Video Motion Detection (VMD)	On / Off, 4 areas available
	Intelligent VMD (i-VMD)*3	Type 8 *Bundled License
	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
		Audio Output : On / Off Volume adjustment : Low / Middle / High
	OUL / Cature Manual announces	Eastisk Italian Essent Courses Consist Datasan Diserter Chinese January
Notwork	GUI / Setup Menu Language	
Network	Network IF	10Base-T / 100Base-TX, M12 connector
Network	Network IF Resolution <ceiling></ceiling>	10Base-T / 100Base-TX, M12 connector •Fisheye mode (max. 30 fps/25 fps)
Network	Network IF	10Base-T / 100Base-TX, M12 connector •Fisheye mode (max. 30 fps/25 fps) 2992×2992 / 2192×2192 / 1280×1280 / 640×640 / 320×320
Network	Network IF Resolution <ceiling></ceiling>	10Base-T / 100Base-TX, M12 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)
Network	Network IF Resolution <ceiling> <wall></wall></ceiling>	10Base-T / 100Base-TX, M12 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) 2560×1920'4 / 2048×1536 / 1600×1200 / 1280×960 / 800×600 / VGA / QVGA
Network	Network IF Resolution <ceiling></ceiling>	10Base-T / 100Base-TX, M12 connector •Fisheye mode (max. 30 fps/25 fps) 2992-x2992 / 2192-2192 / 1280-X1280 / 640×640 / 320×320 •Quad PTZ mode (max. 15 fps/12.5 fps), Single PTZ mode (max. 15 fps/12.5 fps) 2560-X1920 / 2/048×1536 / 1500×1200 / 1280×960 / 800×600 / VGA / QVGA •Double Panorama mode (max. 15 fps/12.5 fps)
Network	Network IF Resolution <ceiling> <wall></wall></ceiling>	10Base-T / 100Base-TX, M12 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) 2560×1420 / 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
Network	Network IF Resolution <ceiling> <wall></wall></ceiling>	10Base-T / 100Base-TX, M12 connector •Fisheye mode (max. 30 fps/25 fps) 2992×2992 / 2192×2192 / 1280×1280 / 640×640 / 320×320 •Ouad PTZ mode (max. 15 fps/12.5 fps), Single PTZ mode (max. 15 fps/12.5 fps) 2560×1920 ⁴ / 2048×1536 / 1600×1200 / 1280×960 / 800×600 / VGA / QVGA •Double Panorama mode (max. 15 fps/12.5 fps) 2560×140 / 1920×1080 / 1280×720 / 640×360 / 320×180 •Fisheye + Double Panorama mode (max. 15 fps/12.5 fps)
Network	Network IF Resolution <ceiling> <wall></wall></ceiling>	10Base-T / 100Base-TX, M12 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 × 1 / 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
Network	Network IF Resolution <ceiling> <wall></wall></ceiling>	10Base-T / 100Base-TX, M12 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) 2560×1920 ⁴ / 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
Network	Network IF Resolution <ceiling> <wall></wall></ceiling>	10Base-T / 100Base-TX, M12 connector •Fisheye mode (max. 30 fps/25 fps) 2992x2992 / 2192x2192 / 1280x1280 / 640x640 / 320x320 •Ouad PTZ mode (max. 15 fps/12.5 fps), Single PTZ mode (max. 15 fps/12.5 fps) 2560x1420' / 2048x1536 / 1600x1200 / 1280x960 / 800x600 / VGA / QVGA •Double Panorama mode (max. 15 fps/12.5 fps) 2560x1440 / 1920x1080 / 1280x720 / 640x360 / 320x180 •Fisheye + Double Panorama mode (max. 15 fps/12.5 fps) (Fisheye) 2992x2992 / 2192x2192 / 1280x1280 / 640x640 / 320x320 (Double Panorama) 1280x720 / 640x360 / 320x180 •Fisheye + Quad PTZ mode (max. 15 fps/12.5 fps)
Network	Network IF Resolution <ceiling> <wall></wall></ceiling>	10Base-T / 100Base-TX, M12 connector •Fisheye mode (max. 30 fps/25 fps) 2992 x2992 / 2192 x2192 / 1280 x1280 / 640 x640 / 320 x320 •Quad PTZ mode (max. 15 fps/12.5 fps) 2560 x1920 4 / 2048 x1536 / 1600 x1200 / 1280 x960 / 800 x600 / VGA / QVGA •Double Panorama mode (max. 15 fps/12.5 fps) 2560 x1440 / 1920 x1080 / 1280 x720 / 640 x360 / 320 x180 •Fisheye + Double Panorama mode (max. 15 fps/12.5 fps) (Fisheye) 2992 x2992 / 2192 x2192 / 1280 x1280 / 640 x640 / 320 x320 (Double Panorama 1280 x720 / 640 x360 / 320 x180 •Fisheye + Quad PTZ mode (max. 15 fps/12.5 fps) (Fisheye) 2992 x2992 / 2192 x2192 / 1280 x1280 / 640 x640 / 320 x320 (Double Panorama 1280 x720 / 640 x360 / 320 x180 •Fisheye + Quad PTZ mode (max. 15 fps/12.5 fps) (Fisheye) 2992 x2992 / 2192 x2192 / 1280 x1280 / 640 x640 / 320 x320 (Double Panorama) 1280 x720 / 640 x360 / 320 x180 (Fisheye) 2992 x2992 / 2192 x2192 / 1280 x1280 / 640 x640 / 320 x320
Network	Network IF Resolution <ceiling> <wall></wall></ceiling>	10Base-T / 100Base-TX, M12 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) 2560×1920 ⁴ / 2048×1536 / 1600×1200 / 1280×960 / 800×600 / VGA / QVGA Double Panorama mode (max. 15 fps/12.5 fps) (Fisheye + Double Panorama mode (max. 15 fps/12.5 fps) (Fisheye) 2992×2992 / 2192×2192 / 1280×1280 / 640×640 / 320×300 (Double Panorama j1280×720 / 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 (Fisheye) 2992×2992 / 2192×2192 / 1280×1280 / 640×640 / 320×320 (Cuad PTZ j1280×960 / 800×600 / VGA / QVGA
Network	Network IF Resolution <ceiling> <wall></wall></ceiling>	10Base-T / 100Base-TX, M12 connector •Fisheye mode (max. 30 fps/25 fps) 2992x2992 / 2192x2192 / 1280x1280 / 640x640 / 320x320 •Ouad PTZ mode (max. 15 fps/12.5 fps) 2560x1420 / 2048x1536 / 1600x1200 / 1280x960 / 800x600 / VGA / QVGA •Double Panorama mode (max. 15 fps/12.5 fps) 2560x1440 / 1920x1080 / 1280x720 / 640x360 / 320x180 •Fisheye + Double Panorama mode (max. 15 fps/12.5 fps) (Fisheye) 2992x2992 / 2192x2192 / 1280x1280 / 640x640 / 320x320 (Double Panorama) 1280x720 / 640x60 / 320x180 •Fisheye + Quad PTZ mode (max. 15 fps/12.5 fps) (Fisheye) 2992x2992 / 2192x2192 / 1280x1280 / 640x640 / 320x320 (Double Panorama) 1280x720 / 640x60 / 320x180 •Fisheye + Quad PTZ mode (max. 15 fps/12.5 fps) (Fisheye) 2992x2992 / 2192x2192 / 1280x1280 / 640x640 / 320x320 (Quad PTZ) 1280x960 / 800x600 / VGA / QVGA •Quad streams mode
Network	Network IF Resolution <ceiling> <wall></wall></ceiling>	10Base-T / 100Base-TX, M12 connector Fisheye mode (max. 30 fps/25 fps) 2992×2992 / 2192×2192 / 1280×1280 / 640×640 / 320×320 Ouad PTZ mode (max. 15 fps/12.5 fps) 2560×14920 ⁴ / 2048×1536 / 1600×1200 / 1280×960 / 800×600 / VGA / QVGA Double Panorama mode (max. 15 fps/12.5 fps) 2560×140 / 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 Outle Transm mode (Single PTZ (Quad streams)) 1280×960 / 800×600 / VGA / QVGA (max. 15 fps/12.5 fps)
Network	Network IF Resolution <ceiling> <wall></wall></ceiling>	10Base-T / 100Base-TX, M12 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), 2560×1920 ⁴ / 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 •Quad streams) 1280×960 / 800×600 / VGA / QVGA (max. 15 fps/12.5 fps) (Guad PTZ) 2560×1920 / 2048×1536 / 1600×1200 / 1280×960 /
Network	Network IF Resolution <ceiling> <wall> <ceiling></ceiling></wall></ceiling>	10Base-T / 100Base-TX, M12 connector Fisheye mode (max. 30 fps/25 fps) 2992×2992 / 2192×2192 / 1280×1280 / 640×640 / 320×320 Guad PTZ mode (max. 15 fps/12.5 fps) 2560×1440 / 1920×1080 / 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 (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) 1280×600 / 800×600 / VGA / QVGA (max. 15 fps/12.5 fps) (Quad PTZ) 2560×1920 / 2048×1536 / 1600×1200 / 1280×960 / 800×600 / VGA / OVGA (max. 5 fps)
Network	Network IF Resolution <ceiling> <wall></wall></ceiling>	10Base-T / 100Base-TX, M12 connector •Fisheye mode (max. 30 fps/25 fps) 2992x2992 / 2192x2192 / 1280x1280 / 640x640 / 320x320 •Quad PTZ mode (max. 15 fps/12.5 fps) 2560x1420' / 2048x1536 / 1600x1200 / 1280x960 / 800x600 / VGA / QVGA •Double Panorama mode (max. 15 fps/12.5 fps) 2560x1440 / 1920x1080 / 1280x720 / 640x360 / 320x180 •Fisheye + Double Panorama mode (max. 15 fps/12.5 fps) 2560x1480 / 1920x1080 / 1280x720 / 640x360 / 320x180 •Fisheye + Double Panorama mode (max. 15 fps/12.5 fps) (Fisheye) 2992x2992 / 2192x2192 / 1280x1280 / 640x640 / 320x320 (Double Panorama) 1280x720 / 640x360 / 320x180 •Fisheye + Quad PTZ mode (max. 15 fps/12.5 fps) (Fisheye) 2992x2992 / 2192x2192 / 1280x1280 / 640x640 / 320x320 (Quad PTZ) 1280x960 / 800x600 / VGA / QVGA •Quad streams mode (Single PTZ (Quad streams)) 1280x960 / 800x600 / VGA / QVGA (max. 15 fps/12.5 fps) (Quad PTZ) 2560x1920 / 2048x1536 / 1600x1200 / 1280x960 / 800x600 / VGA / QVGA (max. 15 fps/12.5 fps) •Panorama mode (max. 15 fps/12.5 fps) •Panorama mode (max. 15 fps/12.5 fps)
Network	Network IF Resolution <ceiling> <wall> <ceiling></ceiling></wall></ceiling>	10Base-T / 100Base-TX, M12 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) 2560×1320 ⁴ / 2048×1356 / 1600×1200 / 1280×960 / 800×600 / VGA / QVGA Double Panoram 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 •Quad streams) 1280×960 / 800×600 / VGA / QVGA (max. 15 fps/12.5 fps) (Single PTZ (Quad streams)) 1280×960 / 800×600 / VGA / QVGA (max. 15 fps/12.5 fps) •B00×600 / VGA / QVGA (max. 55 fps) •Panorama mode •Panorama mode (max. 15 fps/12.5 fps) •Panorama mode (max. 15 fps/12.5 fps)
Network	Network IF Resolution <ceiling> <wall> <ceiling></ceiling></wall></ceiling>	10Base-T / 100Base-TX, M12 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) 2560×1440 / 1920×1080 / 1280×780 / 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 •Quad streams mode (Single PTZ (Quad streams)) 1280×90 / 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. 5 fps) •Panorama mode (max. 15 fps/12.5 fps) 2560×1440 / 1920×1080 / 1280×720 / 640×360 / 320×180 •Fisheye + Panorama mode (max. 15 fps/12.5 fps)
Network	Network IF Resolution <ceiling> <wall> <ceiling></ceiling></wall></ceiling>	10Base-T / 100Base-TX, M12 connector •Fisheye mode (max. 30 fps/25 fps) 2992x2992 / 2192x2192 / 1280x1280 / 640x640 / 320x320 •Ouad PTZ mode (max. 15 fps/12.5 fps), 2560x1440 / 1920x1080 / 1280x780 / 800x600 / VGA / QVGA •Double Panorama mode (max. 15 fps/12.5 fps) 2560x1440 / 1920x1080 / 1280x720 / 640x380 / 320x180 •Fisheye + Double Panorama mode (max. 15 fps/12.5 fps) (Fisheye) 2992x2992 / 2192x2192 / 1280x1280 / 640x640 / 320x320 (Double Panorama) 1280x720 / 640x80 / 320x180 •Fisheye + Quad PTZ mode (max. 15 fps/12.5 fps) (Fisheye) 2992x2992 / 2192x2192 / 1280x1280 / 640x640 / 320x320 (Double Panorama) 1280x960 / 800x600 / VGA / QVGA •Quad PTZ 1280x960 / 800x600 / VGA / QVGA (Quad PTZ) 1280x960 / 800x600 / VGA / QVGA (max. 15 fps/12.5 fps) (Guad PTZ) 1280x960 / 800x600 / VGA / QVGA (max. 15 fps/12.5 fps) (Quad PTZ) 2560x1920 / 2048x1536 / 1600x1200 / 1280x960 / 800x600 / VGA / QVGA (max. 5 fps) •Panorama mode (max. 15 fps/12.5 fps) 2560x1440 / 1920x1080 / 1280x720 / 640x360 / 320x180 •Fisheye + Panorama mode (max. 15 fps/12.5 fps) (Fisheye) 2992x2992 / 2192x2192 / 1280x1280 / 640x640 / 320x320 (Double Panorama mode (max. 15 fps/12.5 fps) (Fisheye) 2992x2992 / 2192x2192 / 1280x1280 / 640x640 / 320x320 (Fisheye) 2992x2992 / 1292x2192 / 1280x1280 / 640x640 / 320x320 (Fisheye) 2992x2992 / 1292x2192 / 1280x1280 / 640x640 / 320x320 (Fisheye) 2992x2992 / 1292x2192 / 1280x1280 / 640x640 / 320x320 (Fisheye) 2992x2992 / 2192x2192 / 1280x1280 / 640x640 / 320x320
Network	Network IF Resolution <ceiling> <wall> <ceiling> <ceiling> <wall></wall></ceiling></ceiling></wall></ceiling>	10Base-T / 100Base-TX, M12 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) 2560×1440 / 1920×1080 / 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 (Double Panorama) 1280×720 / 640×360 / 320×180 •Fisheye + Quad PTZ mode (max. 15 fps/12.5 fps) (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) (Quad PTZ) 2560×1920 / 2048×1536 / 1600×1200 / 1280×960 / 800×600 / VGA / QVGA (max. 5 fps) 2560×1440 / 1920×1080 / 1280×720 / 640×360 / 320×180 •Fisheye + Panorama mode (max. 15 fps/12.5 fps)
Network	Network IF Ceilings <wall> <ceilings <ceilings <ceilings <ceilings <ceilings< td=""><td>10Base-T / 100Base-TX, M12 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) 2560×1320⁴ / 2048×1536 / 1600×1200 / 1280×860 / 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 •Quad streams) 1280×960 / 800×600 / VGA / QVGA (max. 15 fps/12.5 fps) (Guad PTZ) 2560×1920 / 2048×1536 / 1600×1200 / 1280×960 / 800×600 / VGA / QVGA (max. 5 fps) •Panorama mode (max. 15 fps/12.5 fps) 2560×1440 / 1920×1080 / 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 (Fisheye) 2992×2992 / 2192×2192 / 1280×1280 / 640×640 / 320×320 (Fanorama) 1280×720 / 640×360 / 320×180</td></ceilings<></ceilings </ceilings </ceilings </ceilings </wall>	10Base-T / 100Base-TX, M12 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) 2560×1320 ⁴ / 2048×1536 / 1600×1200 / 1280×860 / 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 •Quad streams) 1280×960 / 800×600 / VGA / QVGA (max. 15 fps/12.5 fps) (Guad PTZ) 2560×1920 / 2048×1536 / 1600×1200 / 1280×960 / 800×600 / VGA / QVGA (max. 5 fps) •Panorama mode (max. 15 fps/12.5 fps) 2560×1440 / 1920×1080 / 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 (Fisheye) 2992×2992 / 2192×2192 / 1280×1280 / 640×640 / 320×320 (Fanorama) 1280×720 / 640×360 / 320×180

Appearance



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, G.711 : 64 kbps, AAC-LC*6 : 64 kbps / 96 kbps / 128 kbps Supported Protocol 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 Maximum concurrent access num SDXC/SDHC/SD Up to 14 users (Depends on network conditions H.265 / H.264 recording : Manual REC / Alarm REC (Pre/Post) / Schedule REC Memory Card (Option) 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**mode *SDHC card, ** SDXC card (except miniSD card and microSD card) Mobile Terminal Compatibility iPad, iPhone, Android™ terminals ONVIE Profile G/S/T Alarm Alarm Source 3 terminals input, VMD, Command 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, 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 k Ω (unbalanced) Supply voltage : 2.5 V ± 0.5 V For line Input level : Approx. -10 dBV Audio Output*7 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) External I/O Terminals ALARM IN2 (Alarm input 2/ ALARM OUT) (x1), ALARM IN3 (Alarm input 3/ AUX OUT) (x1) General Safety UL (UL60950-1), c-UL (CSA C22.2 No.60950-1), CE, IEC60950-1 FCC (Part15 ClassA), ICES003 ClassA, EN55032 ClassB, EN55024, EN55035 EMC ECE-R10, EN50498 compliant, EN50121 Power Source and DC power supply : DC 12 V 1.04A/Approx. 12.5 W PoE (IEEE802.3af compliant, Alternative A) Device : Power Consumption DC 48 V 260 mA/Approx. 12.5 W (Class 0 device) Ambient Operating IR LED : On -40 °C to +50 °C (-40 °F to 122 °F) IR LED : Off -40 °C to +60 °C (-40 °F to 140 °F) Temperature Ambient Operating Humidity 10% to 100 % (no condensation) Dehumidification Device 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) Up to 40 m/s {approx. 89 mph} Wind Resistance EN45545 compliant, EN50155-TX Railway Application Dimensio 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} Mass (approx.) When using the attachment plate only : Approx. 880 g {1.94 lbs} Main body : Aluminum die cast, i-PRO white Finish Outer fixing screws : Stainless steel (Corrosion-resistant treatment) Dome section : Polycarbonate resin, Clear

*1 Converted value

*2 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).

*3 Auto VIQS, i-VMD, can not be used at the same time. *4 When "Single PTZ" mode is used in wall installations, the 2560×1920 resolution cannot be used.

*5 Transmission for 2 streams can be individually set.

5 transmission for 2 streams can be individually set.
*6 When recording audio on an SD memory card, only use AAC-LC (Advanced Audio Coding - Low Complexity).
*7 The audio output can be switched to the monitor output.

*7 The audio output can be switched to the monitor output. Refer to the Operating Instructions on the our support web site for descriptions of how to switch the output.

Plug-in Software for i-VMD

i-VMD is possible to detect objects in the

i-VMD : People Counting, Heat-map,

Scene change Detection

technology.

specified area by advanced video analysis

MOR (Moving Object Remover), Intruder Detection, Loitering Detection,

Cross line Detection. Object Detection.

Optional Accessory Bundled License

Bracket

Base Bracket WV-QJB501-W (i-PRO white)

•The brackets are available in three colors, i-PRO white, Light gray, and Fine silver. It is possible to use them

Light gray, and Fine silver. It is possible to use them in the different color combination.

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.

Trademarks and registered trademarks

- iPad and iPhone are trademarks of Apple Inc., registered in the U.S. and other countries.
- All other trademarks identified herein are the property of their respective owners.
- Masses and dimensions are approximate. Specifications are subject to change without notice.

Panasonic

Panasonic Corporation

Panasonic i-PRO Sensing Solutions Co., Ltd.

https://ipro.panasonic.com https://security.panasonic.com https://www.linkedin.com/company/i-pro-sensing-solutions-co-ltd/

(2A-270AL)