



9 Megapixel 360-degree Network Camera



WV-SFV481



WV-SFN480

Security Systems Business Division
Panasonic System Networks Co., Ltd.

The Panasonic logo, consisting of the word "Panasonic" in white, bold, sans-serif font, centered within a dark blue rectangular background.



Outdoor vandal resistant
WV-SFV481



Indoor
WV-SFN480

9 Megapixel 360-degree Network Camera

- ✓ All-new design for 360° video surveillance
- ✓ 360°/180° wide area coverage with 9MP Resolution
- ✓ De-warping in camera
- ✓ Intelligent VMD and Business Intelligence
- ✓ Seamless integration with i-PRO system

360-degree Network Cameras are suitable for monitoring open areas:

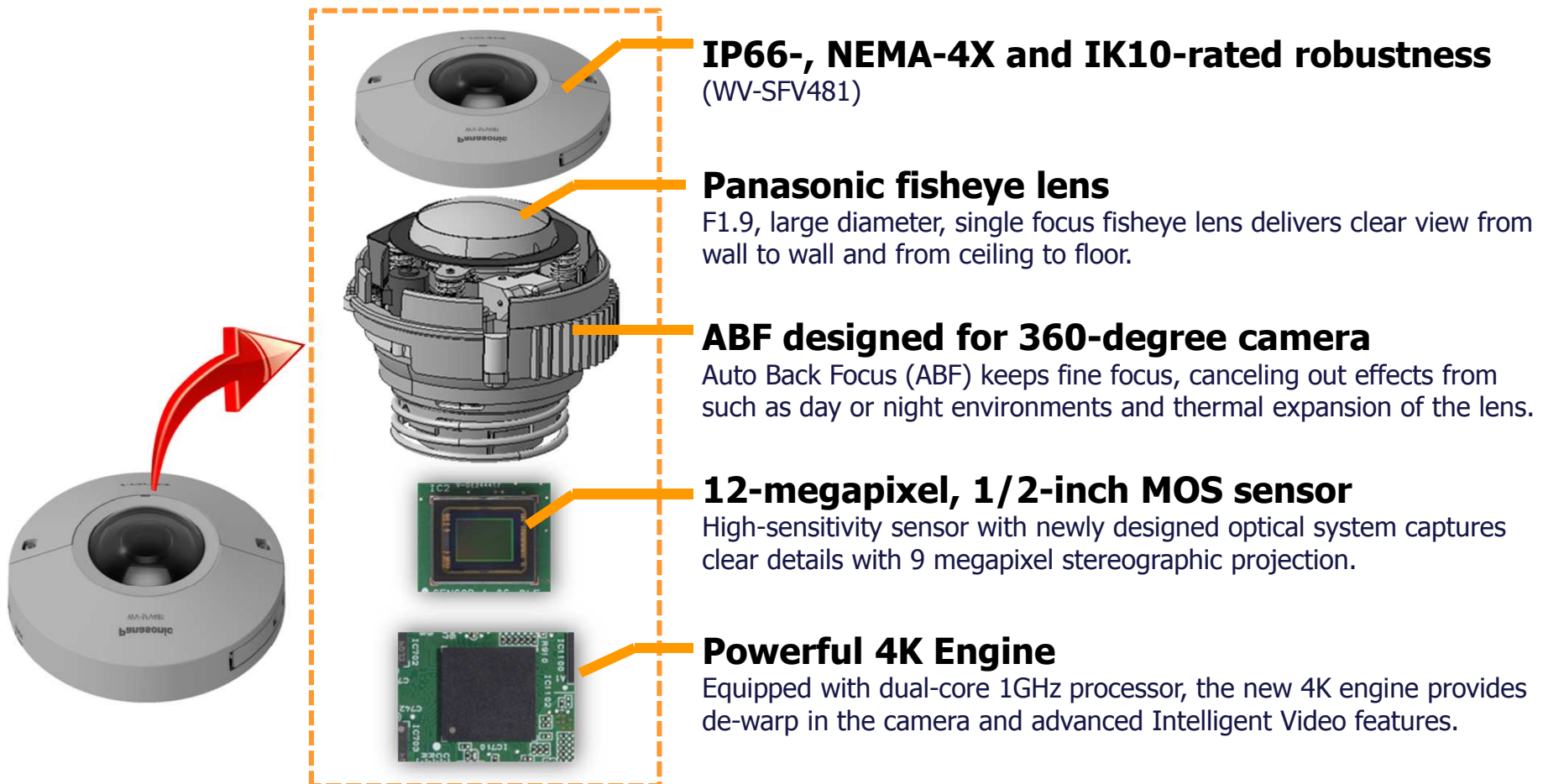
- ✓ Shopping malls
 - ✓ Retail stores
 - ✓ Airports
 - ✓ Railway stations
 - ✓ Parking lots
 - ✓ Factories
 - ✓ Warehouses
 - ✓ Offices
- and more.



4

All-new design for 360° Video Surveillance

4K
SmartHD



360° situational awareness

Capturing an all-around view of the surrounding area, the 360-degree cameras provide total situational awareness and eliminates blind spots.

Detailed images with 9MP resolution

High resolution is required to capture a large area in detail. 9 megapixel resolution enables clear identification from the center to the edge and from wall to wall, delivering very detailed images.

High sensitivity

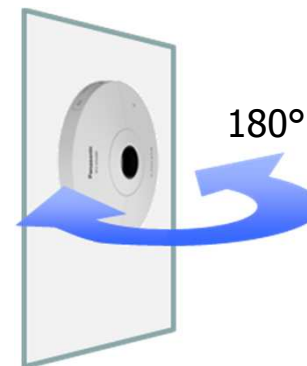
Equipped with F1.9 large diameter lens and high-sensitive sensor, the 360-degree cameras produce a color image with a minimum illumination of 0.3 lux.

Ceiling Mount



Fisheye view example in a store 40 meters wide.

Wall Mount



Panoramic view

Single and Quad PTZ views

De-warping in camera enables clear and easy identification of the area of interest with non-moving parts, electrical pan-tilt-zoom. Single and Quad PTZ views deliver clear cropped image with over HD resolution.



Single PTZ view



Quad PTZ view

Quad stream mode

Quad stream mode enables viewing four areas on the monitor PCs, distributing clear de-warped images to each monitor PC.



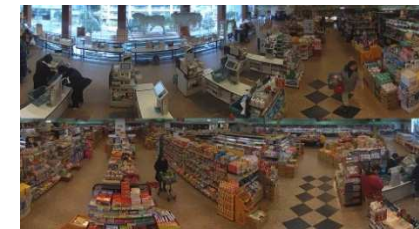
Quad stream mode

Panoramic views

Panoramic views provide a 180° or 360° fixed field of view on a single monitor screen, delivering clear de-warped images.



Panoramic view



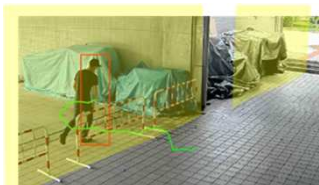
Double Panoramic view



Capturing 360°/180° wide area with 9MP high resolution, i-VMD improves surveillance accuracy and effectiveness.

Intruder detection

detects people or cars trespassing in restricted areas.



Loitering detection

detects people who has loitered for too long in the area.



Scene change detection

detects tampering with the camera view.



Object detection (left)

detects something left behind that shouldn't be there.



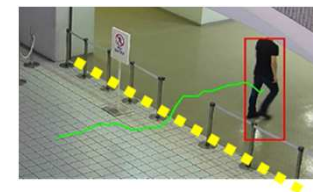
Object detection

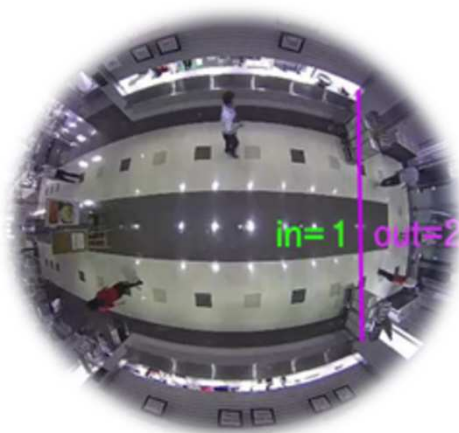
(removed) detects objects disappearing that should be present.



Cross line detection

detects people or objects crossing the imaginary lines.



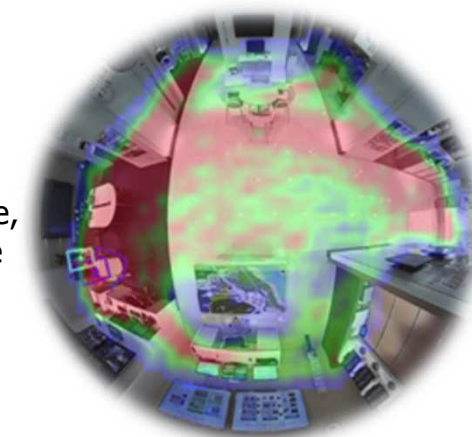


People count

By counting people who cross up to 12 imaginary lines in the 360° wide view, the 360-degree cameras help business improve the physical layout and operational efficiency.

Heat map

By overlaying the traffic volume of people and staying time, the 360 degree cameras visualize the movement of people in the area.

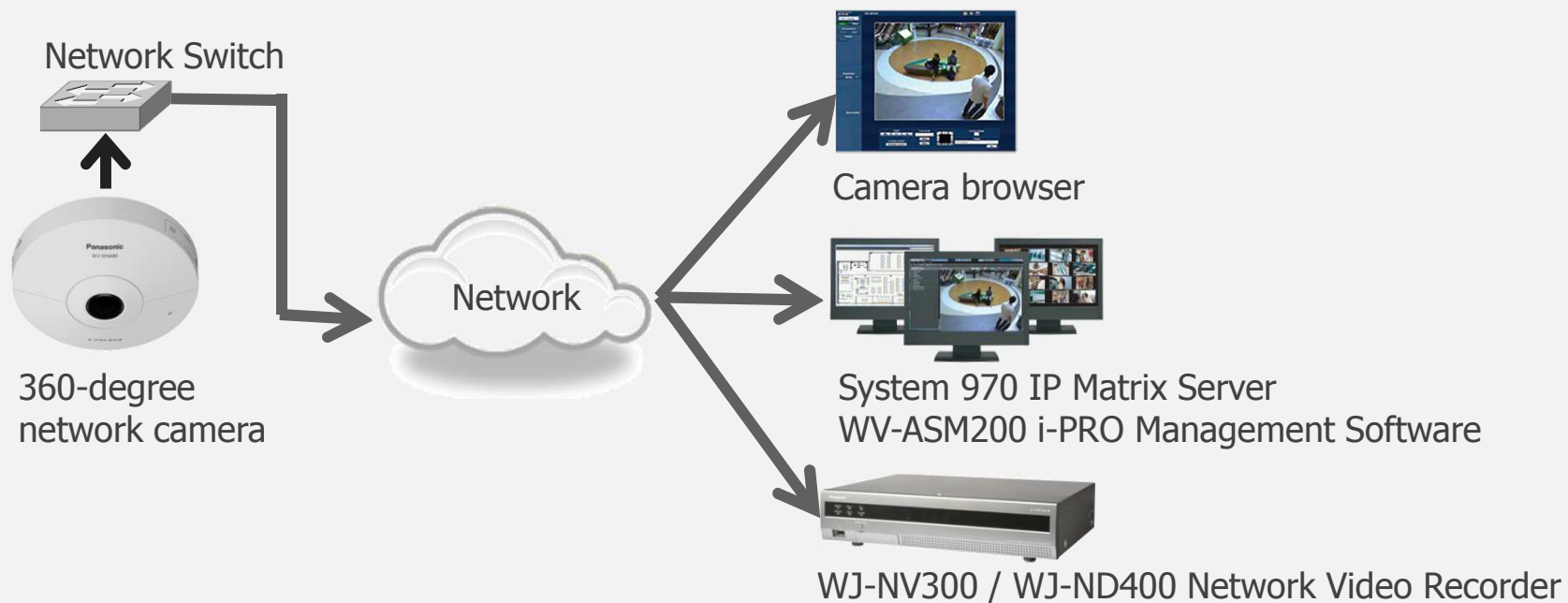


Moving Object Remover (MOR)

By making moving objects translucent, the 360 cameras enable customer behavior analysis with keeping their privacy. .

Seamless integration with i-PRO system i-PRO SmartHD

Based on Panasonic i-PRO architecture, the 9MP 360-degree cameras can be integrated easily and seamlessly with i-PRO system.



(Note) The System 970, WV-ASM200 and WJ-NV300 will support the WJ-SFV481 and WF-SFN480 in 1Q 2015.
The WJ-ND400 will support the WJ-SFV481 and WJ-SFN480 in 2Q 2015.



Mount Bracket

	WV-Q105A Ceiling Mount Bracket	WV-Q121A Ceiling Mount Bracket	WV-Q122A Wall Mount Bracket	WV-Q124 Mount Bracket
Appearance				
Compatibility	WV-SFN480	WV-SFV481		

(Note)

- When installing WV-SFV481 on a wall, it is recommended to use the WV-Q122A Wall Mount Bracket and WV-Q124 Mount Bracket.
- The WV-Q121A will be shipped in Q1 2015.

Specifications

		WV-SFV481	WV-SFN480
			
Type		Outdoor Vandal resistant	Indoor
Image sensor		1/2 type MOS Sensor	
Max. video resolution (pixel)		9 megapixel, 2,992 x 2,992	
Max. frame rate		15 fps (9M fisheye mode), 30 fps (4M fisheye mode)	
Day / Night		IR Cut filter Removal	Electrical
Minimum Illumination	Color	0.3 lux	
	B/W	0.04 lux	0.2 lux
Angular Field of View		180°(Horizontal), 180°(Vertical)	
Audio		Two-way	
SD memory card slot		1 slot (SDXC/SDHC/SD)	
Ambient Operating Temperature		-40°C ~ +50°C (-40°F ~ 122°F)	-10°C~+50°C {14°F~122°F} (Ceiling/Wall/Camera mount bracket) -10°C~+40°C{14°F~104°F} (Desktop / Tripod)
Dimension (excluding base bracket)		ø154 mm × 60.5 mm (H)	ø150 mm × 52.1 mm (H)