

## MS-7IPP8087RAR-VZ

4 × 8MP 4-Directional Multi-sensor Network Camera



### Key Features

- Four 8MP 1/2.8" STARVIS CMOS image sensor
- 4 adjustable lenses in one camera, each lens up to 8 MP (3840 × 2160) @25/30 fps
- 2.7 to 13.5 mm motorized lens
- True WDR, 3D DNR, ROI, HLC, BLC, Defog
- Support face, human, vehicle detection and capture
- Intelligent analytics: intrusion, single line crossing, double line crossing, loitering, wrong-way, illegal parking, enter area, leave area, and smart motion detection and people counting
- Built-in microphone, 1/1 audio in/out, 4/2 alarm in/out
- Built-in SD card slot, up to 1TB
- Smart IR distance up to 40 m
- IP67, IK10



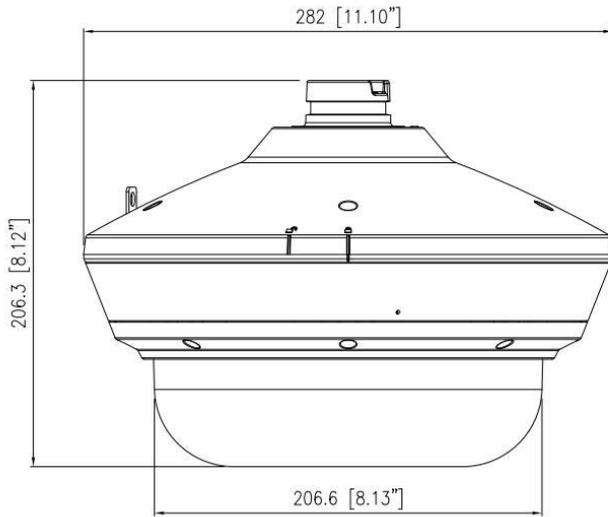
## Specification

Camera	
Image Sensor	4 × 1/2.8" Progressive Scan CMOS
Max. Resolution	8MP, 3840(H) × 2160(V)
Electronic Shutter	Auto/Manual, 1/5 to 1/100,000s
Min. illumination	Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR
Day & Night	IR cut filter
Wide Dynamic Range	True WDR
Angle Adjustment	Pan: -180° to 180°, Tilt: 0° to 130°, Rotation: 0° to 355°
Lens	
Lens Type	Varifocal lens, Motorized focal
Iris	DC- Iris
Focal Length	2.7 to 13.5 mm
Max. Aperture	F1.6
Field of View (FOV)	H: 108.0° to 31.4°, V: 56.1° to 17.6°
DORI Distance	
Detect	95 to 290 m (311.7 to 951.4 ft)
Observe	38 to 116 m (124.7 to 380.6 ft)
Recognize	19 to 58 m (62.3 to 190.3 ft)
Identify	9.5 to 29 m (31.2 to 95.1 ft)
DORI (Detect, Observe, Recognize, and Identify) is a standard system (EN-62676-4) for defining the ability of a person viewing the video to distinguish persons or objects within a covered area. The numbers in this table do not reflect intelligent function distances.	
Illuminator	
Illuminator Type	IR
Illumination Distance	IR distance up to 40 m (131.2 ft)
Illumination On/Off Control	Auto/Manual
IR Wavelength	850 nm
Intelligent Analytics	
Multi-Object Detection	Supports face, human, vehicle detection and capture. Supports multiple frame modes: Full Frame, Four-corner Frame, and Mosaic.
Intelligent Analysis	Intrusion, Smart motion detection, Single line crossing, Double line crossing, Loitering, Wrong-way detection, Illegal parking, Enter area, and Leave area Support alarm triggering by specified target types (human and vehicle)

People Counting	Supported
<b>Video and Audio</b>	
Streaming Capability	3 Streams
Stream/Frame Rate	Stream1: 3840 × 2160, 2592 × 1944, 2592 × 1520, 2560 × 1440, 2304 × 1296, 1920 × 1080, 1280 × 720 @25/30 fps Stream2: D1, VGA, CIF @25/30 fps Stream3: VGA, CIF, QVGA @25/30 fps
Bit Rate Control	CBR/VBR
Bit Rate	Stream1: 200 kbps to 16 Mbps Stream2: 100 kbps to 6 Mbps Stream3: 100 kbps to 3 Mbps
Smart Encoder	Support
Region of Interest (ROI)	Support
Audio Compression	G.711 A-law, G.711 μ-law, RAW PCM
Audio Bit Rate	64 Kbps (G.711), 128 Kbps (RAW_PCM)
<b>Image</b>	
Image Adjustment	Brightness, Sharpness, Contrast, Saturation adjustable
Scene Setting	Indoor, Outdoor, Mirror, Corridor Mode
Exposure Mode	Auto, Manual, Shutter priority
White Balance	Auto, Tungsten, Fluorescent, Daylight, Shadow, Manual
Day/Night Setting	Auto, Day, Night, Timer
Noise Reduction	2D/3D DNR
Image Enhancement	WDR, HLC, BLC, Defog
Privacy Masking	Up to 4 × 4 areas
<b>Event</b>	
Alarm Triggers	IVS, Motion detection, Alarm input, Network alarm, Disk alarm, Day/Night switch alarm, Abnormal sound detection
Event Actions	Alarm record, FTP upload, SMTP upload, Alarm output, Audible alarm output
<b>Network</b>	
Protocols	IPv4/IPv6, HTTP/HTTPS, DNS, DDNS, DHCP, PPPoE, RTSP/ RTCP/RTP, TCP/UDP, NTP, ARP, UPnP, FTP, SMTP, QoS, ICMP, IGMP, SMTP, 802.1x, SNMP, Multicast
Interoperability	ONVIF (Profile S/T/G/M), SDK, CGI
Max Concurrent Streams	10 channels
User/Host Level	32+ users, 3 levels: Administrator, Operator, Media user
Security	IP address filter, HTTPS, Illegal login lock, IEEE 802.1x

Web Viewer	<IE11, Chrome, Firefox, Microsoft Edge
<b>Interface</b>	
Network Interface	1 Ethernet (100/1000 Base-T) RJ-45 Connector
Built-in Microphone	Support
Audio Interface	1ch Input, 1ch Output
Alarm Interface	4ch Input, 2ch Output
RS-485	1 RS-485
CVBS Interface	1 BNC interface
SD Card Slot	Built-in, up to 1 TB
Reset Button	Support
<b>General</b>	
Language	English, Chinese, Traditional Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian, Japanese, Korean. Default: English
Power Supply	12 VDC (-15% to +25%) / PoE+ (802.3at)
Power Consumption	Typical: 10.8 W (12 VDC) / approx. 13.5 W (PoE) Max (IR on): 20.2 W (12 VDC) / approx. 25.3 W (PoE)
Operating Temperature	-40°C to 60°C (-40°F to 140°F )
Operating Humidity	Less than 90% RH
Ingress Protection	IP67, IK10
Certifications	CE-EMC - EN 55032, EN IEC 61000-6-4, EN IEC 61000-3-2, EN 61000-3-3, EN 55035, EN 50130-4 FCC 47 CFR Part 15 Subpart B
Material	Aluminum alloy body, bubble: plastic
Dimensions	Φ282 × 206.3 mm (φ11.1 × 8.12 inch) , (Bracket not included)
Net Weight	4 kg (8.82 lb), (Bracket not included)

## Dimensions (mm)



## Accessories

### Included:



### Optional:

MS-7BK348A Ceiling Bracket	MS-7BK605 Corner Mount	MS-7BK604B Pole Mount	MS-7BK367 Junction Box	MS-7BK358 Corner Mount	MS-7BK359 Pole Mount
					