

SN-IPP8087RAR-VZ-C

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
- 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
- TPM, FIPS 140-3 level 3 compliant
- IP67, IK10





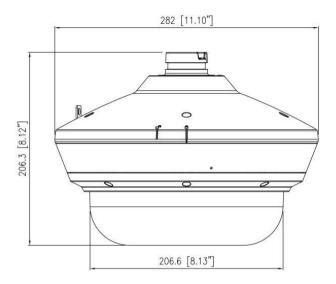
Specification

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)
	Identify) is a standard system (EN-62676-4) for defining the ability of a person viewing the video to 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

Video and Audio				
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	Supported			
Region of Interest (ROI)	Supported			
Audio Compression	G.711 A-law, G.711 μ-law, RAW_PCM			
Audio Bit Rate	64 Kbps (G.711), 128 Kbps (RAW_PCM)			
Image				
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			
Event				
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			
Network				
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			
Web Viewer	<ie11, chrome,="" edge<="" firefox,="" microsoft="" td=""></ie11,>			
Security				
OS / Firmware Protect	Encrypted firmware, Secure boot, Signed firmware			
User Authentication	Digest authentication, Prevent brute-force attack			

Network Authentication IEEE 802.1X(EAP-TLS) Secure Communication HTTPS, WSS(WebSocket Secure), SRTP Access Control IP-based access control, Auto logout Data Protect Encryption credentials Audit Access / System / Event Log management Secure Storage SDcard partition encrypt(AES-256), Secure element Supply Chain Security SBOM Security Certificate Secure element(FIPS 140-3 level 3) Interface IEthernet (100/1000 Base-T) RI-45 Connector Built-in Microphone Supported 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 Supported General Inguage Forear Supply 1 2 VOC (-15% to -25%) / PoEt - (802.3ta) Power Supply 1 2 VOC (-15% to -25%) / PoEt - (802.3ta) Power Consumption Typical: 108 W (12 VOC) / approx. 13.5 W (PoE) Max (IR on): 20.2 W (12 VOC) / approx. 25.3 W (PoE) Operating Temperature <th< th=""><th></th><th></th></th<>						
Access Control IP-based access control, Auto logout Data Protect Encryption credentials Audit Access / System / Event Log management Secure Storage SDcard partition encrypt(AES-256), Secure element Supply Chain Security SBOM Security Certificate Secure element(FIPS 140-3 level 3) Interface Network Interface 1 Ethernet (100/1000 Base-T) RJ-45 Connector Built-in Microphone Supported Audio Interface 1 ch Input, 1ch Output Alarm Interface 4 ch Input, 2ch Output RS-485 1 RS-485 CVBS Interface 1 BNC Interface SD Card Slot Built-in, up to 1 TB Reset Button Supported Supported Ceneral 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 Max (Rio noi: 20.2 W (12 VDC) / approx. 25.3 W (PoE) Operating Temperature -40°C to 60°C (-40°F to 140°F) Operating Temperature 1 PFC, RIO Certifications PC EEMC -NI EC 61000-8-4, 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 0 2828 × 206.3 mm (ф11.1 × 8.12 inch), (Bracket not included)	Network Authentication	IEEE 802.1X(EAP-TLS)				
Data Protect Encryption credentials Audit Access / System / Event Log management Secure Storage SDcard partition encrypt(AES-256), Secure element Supply Chain Security SBOM Security Certificate Secure element(FIPS 140-3 level 3) Interface Network Interface 1 Ethernet (100/1000 Base-T) RJ-45 Connector Built-in Microphone Supported Audio Interface 1 ch Input, 1ch Output Alarm Interface 4 ch Input, 2ch Output RS-485 1 RS-485 1 RS-485 CVBS Interface 1 BNC interface SD Card Slot Built-in, up to 1 TB Reset Button Supported Ceneral Language English, Chinese, Traditional Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian, Japanese, Korean. Default: English Power Supply 12 VDC (-15% to +25%) / Poet- (802.3at) Power Consumption Max (IR on): 20.2 W (12 VDC) / approx. 25.3 W (PoE) Max (IR on): 20.2 W (12 VDC) / 4 pprox. 25.3 W (PoE) Operating Temperature 40°C to 60°C (-40°F to 140°F) Operating Temperature -40°C to 60°C (-40°F to 140°F) Operating Humidity Less than 90% RH Ingress Protection IP67, IK10 Certifications -6282 × 206.3 mm (ф11.1 × 8.12 inch), (Bracket not included)	Secure Communication	HTTPS, WSS(WebSocket Secure), SRTP				
Audit Access / System / Event Log management Secure Storage SDcard partition encrypt(AES-256), Secure element Supply Chain Security SBOM Security Certificate Secure element(FIPS 140-3 level 3) Interface Network Interface 1 Ethernet (100/1000 Base-T) RJ-45 Connector Built-in Microphone Supported Audio Interface 1 tch 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 Supported Ceneral 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 Max (IR on): 20.2 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 CE-EMC CE-	Access Control	IP-based access control, Auto logout				
Secure Storage SDcard partition encrypt(AES-256), Secure element Supply Chain Security SBOM Security Certificate Secure element(FIPS 140-3 level 3) Interface Network Interface 1 Ethernet (100/1000 Base-T) RI-45 Connector Built-in Microphone Supported Audio Interface 1 tch Input, 1ch Output Alarm Interface 4 ch Input, 2ch Output RS-485 1 RS-485 CVBS Interface 1 tbNC interface SD Card Slot Built-in, up to 1 TB Reset Button Supported Ceneral 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 CE-EMC CE-EMC CE-EMC CE-EMC CE-EMC CE-EMC CESS CERTIFICATION (Bracket not included)	Data Protect	Encryption credentials				
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Interface Security Certificate Secure element(FIPS 140-3 level 3)	Secure Storage	SDcard partition encrypt(AES-256), Secure element				
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Ingress Protection 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)	Operating Temperature					
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Certifications - 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)	Ingress Protection	IP67, IK10				
Dimensions Φ 282 × 206.3 mm (Φ 11.1 × 8.12 inch) , (Bracket not included)	Certifications	- EN 55032, EN IEC 61000-6-4, EN IEC 61000-3-2, EN 61000-3-3, EN 55035, EN 50130-4				
	Material	Aluminum alloy body, bubble: plastic				
Net Weight 4 kg (8.82 lb), (Bracket not included)	Dimensions	Φ 282 × 206.3 mm (ϕ 11.1 × 8.12 inch) , (Bracket not included)				
	Net Weight	4 kg (8.82 lb), (Bracket not included)				

Dimensions (mm)



Accessories

Included:



Optional:

SN-BK348A	SN-BK605	SN-BK604B	SN-BK367	SN-BK358	SN-BK359
Ceiling Bracket	Corner Mount	Pole Mount	Junction Box	Corner Mount	Pole Mount
	3 ··· · · · · · · · · · · · · · · · · ·				NAN