SNIPP8087RARVZ

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

- Supports face, human, and vehicle detection & capture.

- Supports human and vehicle attribute detection.

- Intelligent analytics: Intrusion, smart motion detection, single line crossing, double line crossing, loitering, wrong-way detection, area people limit, perimeter detection, illegal parking, running detection, fall detection, fight detection, and people counting.

- True WDR (120dB), 3D DNR, ROI, Defog, HLC

- 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
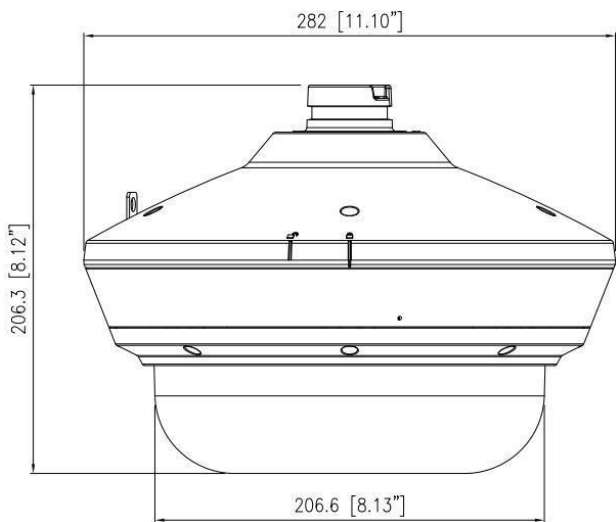
- IP67, IK10-rated housing

Specification

Camera

Image Sensor	4 × 1/2.8" Progressive Scan CMOS
Max. Resolution	8MP, 3840(H) × 2160(V)
Shutter Speed	1/5 to 1/100,000s
Min. illumination	Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0.001 Lux @ (F1.6, AGC ON), 0 Lux with IR on
Day & Night	Auto (ICR)
Angle Adjustment	Pan: -180˚ to 180˚, Tilt: 0˚ to 130˚, Rotation: 0˚ to 355˚

Lens

Lens Type	Varifocal lens, Motorized focal
Iris	Auto 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

Type	IR
Distance	IR distance up to 40 m (131.2 ft)
Control	Auto/Manual
IR Wavelength	850 nm

Intelligent Analytics

Multi-Object Detection	- Supports face, human, and vehicle detection & capture - Supports human and vehicle attribute detection - Supports multiple frame modes: Full Frame, Four-Corner Frame, Mosaic
Attribute Extraction	Human Attributes: Gender, age, glasses, hat, bag, upper clothing color & style, lower clothing color & style, reflective vest Vehicle Attributes: Type, color, brand, orientation
Intelligent Analysis	Intrusion, smart motion detection, single line crossing, double line crossing, loitering, wrong-way detection, area people limit, perimeter detection, illegal parking, running detection, fall detection, fight detection, enter area, and leave area - Supports accurate target classification (human/vehicle)

People Counting	Supported
Video and Audio	
Number of Streams	3 Streams
Resolution	Stream1: 3840 × 2160, 2592 × 1944, 2592 × 1520, 2560 × 1440, 2304 × 1296, 1920 × 1080, 1280 × 720 Stream2: D1, VGA, CIF Stream3: VGA, CIF, QVGA
Frame Rate	Up to 25/30fps
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 Encoding	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
Wide Dynamic Range	True WDR (120dB)
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, Alarm output, FTP upload, SMTP upload, Snapshot, 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
Application Programming Interface	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, Firefox, Microsoft Edge

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
Cyber Security	ETSI EN 303 645, BSI IT Security Label, FIPS 140-3 Edge security Software: Signed OS, brute force delay protection, digest authentication and OAuth 2.0 RFC6749 Client Credential Flow/OpenID Authorization Code Flow for centralized ADFS account management, password protection, Axis Cryptographic Module (FIPS 140-2 level 1), AES-XTS-Plain64 256bit SD card encryption Hardware: Axis Edge Vault cybersecurity platform TPM 2.0 (CC EAL4+, FIPS 140-2 Level 2), secure element (CC EAL 6+), system-on-chip security (TEE), Axis device ID, secure keystore, signed video, secure boot, encrypted filesystem (AES-XTS-Plain64 256bit)

Interface	
Network Interface	1 × Ethernet (10/100 Base-T), RJ-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	Supported
SD Card Slot	Built-in microSD card slot, up to 1 TB
Reset Button	Supported

General	
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 95% 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	Approx. 4 kg (8.82 lb), (Bracket not included)

Dimensions (mm)

282 [11.10"]

206.3 [8.12"]

206.6 [8.13"]

Accessories

Included:

SN-CBK506A Wall Bracket

Optional:

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