

# SN-MNC8120KBA1-S1B

2MP Separated Network Camera



## Key Features

- 1/2.8" STARVIS™ CMOS
- 2.8 mm fixed lens
- Max. 2MP(1920×1080) @25fps resolution
- Support face, human and vehicle detection
- Intelligent analytics: intrusion, single line crossing, double line crossing, loitering, wrong-way
- True WDR(120dB), 3D DNR, ROI, HLC, BLC
- 2/1 alarm input/output, 1/1 audio input/output
- Built-in microSD card slot
- Supports 12 VDC/PoE supply power

## Specifications

Camera	
Image Sensor	1/2.8" Progressive Scan CMOS
Max Resolution	1080P, 1920(H)×1080(V)
Shutter Speed	1/5 to 1/20,000s
Min Illumination	Color: 0.01 Lux @ (F2.0, AGC ON), B/W: 0.001 Lux (F2.0, AGC ON)
Day & Night	Fixed filter
Lens	
Lens Type	Fixed lens, Fixed-focal
Focal Length	2.8 mm
Max. Aperture	F2.0
Field of View (FOV)	H: 113.7°, V: 59.6°
Iris	Fixed Iris
Intelligent Analytics	
AI Multi-Target	Supports face, human and vehicle detection *AI features are unavailable when the optional CVBS output is enabled.
Intelligent Analysis	Intrusion, Single line crossing, Double line crossing, Loitering, Wrong-way Support alarm triggering by specified target types (human/vehicle) * AI features are unavailable when the optional CVBS output is enabled.
Video & Audio	
Number of Streams	3 Streams
Resolution / Frame Rate	Stream1: 1920×1080, 1280×720 @ 25fps Stream2: D1, VGA, 640×360, CIF, QVGA @ 25fps Stream3: VGA, CIF, QVGA @ 25fps
Bit Rate Control	CBR/VBR
Bit Rate	Stream1: 100 kbps to 6 Mbps Stream2: 100 kbps to 6 Mbps Stream3: 100 kbps to 3 Mbps
Smart Encoding	Supported
Region of Interest (ROI)	Off/On (8 Zone, Rectangle)
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 Mode	Indoor, Outdoor, Mirror

Exposure Mode	Auto, Manual, Shutter priority
White Balance	Auto, Tungsten, Fluorescent, Daylight, Shadow, Manual
Day/Night Setting	Auto, Day
Noise Reduction	2D/3D DNR
Image Enhancement	HLC, BLC, WDR
Wide Dynamic Range	True WDR (120dB)
Privacy Masking	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, 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, SMT, 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, 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

### Interface

Network Interface	1 × Ethernet (10/100 Base-T), RJ-45 connector
Audio Interface	1ch Input, 1ch Output
Alarm Interface	2ch Input, 1ch Output
SD Card Slot	Built-in, up to 256 GB
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 (802.3af)
Power Consumption	Max 3 W
Operating Temperature	-30°C to 55°C (-22°F to 131°F)
Operating Humidity	Less than 90% RH
Ingress Protection	N/A
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	Metal + Plastic
Dimensions	Camera: 35.9 × 22 × 22 mm (1.41 × 0.87 × 0.87 inch) Main body: 86.0 × 75.1 × 33.5 mm (3.39 × 2.96 × 1.32 inch)
Net Weight	0.22 Kg (0.49 lb)
Length Of Lens Cable	2 m (6.6 ft) standard length, Customizable 6 m (19.69 ft) Cat 7 Ethernet cable available. Expandable with extra 4 m (13.12 ft) using Cat 6 or higher-grade Ethernet cables.

## Dimensions (mm)

