SN-MNC8042AGA-P

4MP Fixed-focal Covert Network Camera



Key Features

- 1/2.8” progressive scan CMOS, up to 4MP (2592 × 1520) @ 25/30 fps
- 3.7 mm pinhole lens
- Supports face, human, and vehicle detection with snapshot capture
- Intelligent analytics: Intrusion, smart motion detection, single/double line crossing, loitering, wrong-way detection, area people limit, perimeter detection, illegal parking, and people counting
- Supports AV1 video compression
- True WDR (120 dB), 3D DNR, ROI, HLC, BLC
- 2/1 alarm input/output, 1/1 audio input/output
- Built-in microSD card slot supporting up to 1 TB

Product specifications are subject to change without prior notice. For the latest Sunell product information, please visit www.sunellsecurity.com.
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Specifications

Camera	
Image Sensor	1/2.8” Progressive Scan CMOS
Max. Resolution	4MP (2592 × 1520)
Shutter Speed	1/5 to 1/20,000s
Min. Illumination	Color: 0.01 Lux @ (F2.0, AGC ON), B/W: 0.005 Lux (F2.0, AGC ON)
Day & Night	Fixed filter
S/N Ratio	55 dB
Lens	
Lens Type	Pinhole lens
Focal Length	3.7 mm
Max. Aperture	F2.0
Field of View (FOV)	H: 70.99°, V: 37.86°
Iris	Fixed Iris
Focus Control	Fixed
Intelligent Analytics	
AI Multi-Target Detection	Supports face, human, and vehicle detection with snapshot capture
Intelligent Analysis	Intrusion detection, smart motion detection, single line crossing, double line crossing, loitering, wrong-way detection, illegal parking, area people limit, and perimeter detection.. - Supports alarm triggering based on specified target types (human/vehicle)
People Counting	Supported
Video & Audio	
Number of Streams	3 Streams
Resolution	Stream 1: 2592 × 1520, 2560 × 1440, 2304 × 1296, 1920 × 1080, 1280 × 720 Stream 2: D1, VGA, CIF Stream 3: VGA, CIF, QVGA
Frame Rate	Up to 25/30 fps
Bit Rate Control	CBR/VBR
Bit Rate	Stream 1: 200 Kbps to 12 Mbps Stream 2: 100 Kbps to 6 Mbps Stream 3: 100 Kbps to 3 Mbps
Smart Encoding	Supported
Region of Interest (ROI)	Up to 8 zones
Audio Compression	G.711 A-law, G.711 μ-law, RAW_PCM
Audio Bit Rate	64 Kbps (G.711), 128 Kbps (RAW_PCM)

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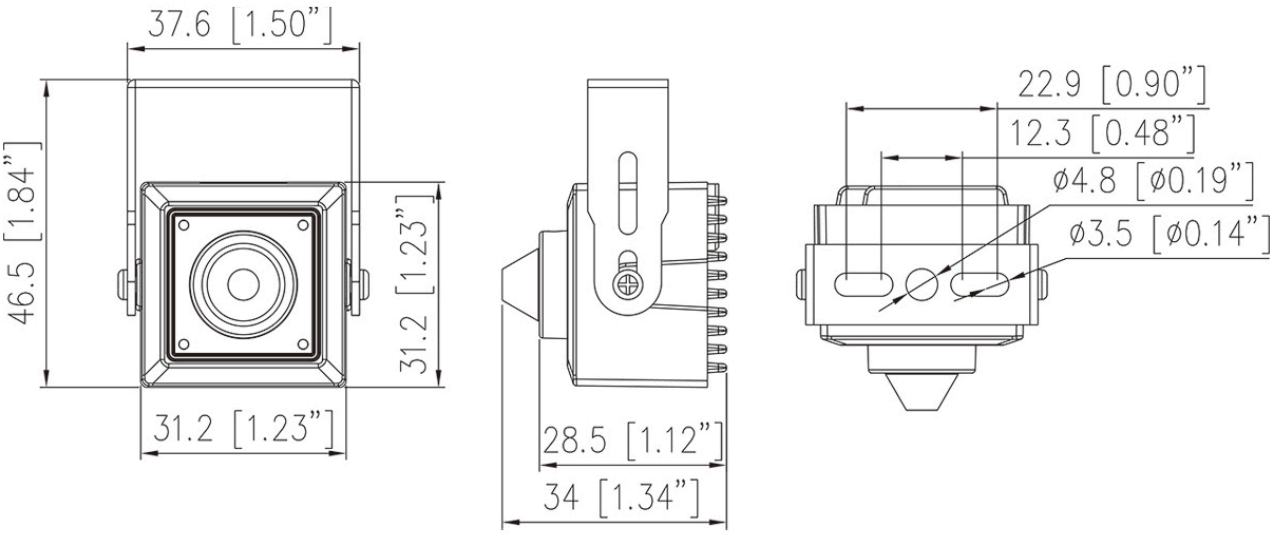
Image	
Image Adjustment	Brightness, Sharpness, Contrast, Saturation
Scene Mode	Indoor, Outdoor, Mirror
Exposure Mode	Auto, Manual, Shutter priority
White Balance	Auto, Tungsten, Fluorescent, Daylight, Shadow, Manual
Day/Night Setting	Auto, Day
Noise Reduction	2D/3D DNR
Image Enhancement	WDR, HLC, BLC, Defog
Wide Dynamic Range	True WDR (120 dB)
Privacy Masking	Up to 4 configurable zones
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, 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	Chrome, Firefox, Microsoft Edge, IE11 or earlier
Security	
OS / Firmware Protect	Encrypted firmware, Secure boot, Signed firmware
User Authentication	Digest authentication, Brute-force attack protection
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, and event logs
Secure Storage	AES-256 encrypted SD card storage
Supply Chain Security	SBOM
Interface	
Network Interface	1 × RJ45 10/100 Mbps Ethernet port
Audio Interface	1 input (3.5 mm), 1 output (3.5 mm); (12 VDC version only)
Alarm Interface	2 inputs, 1 output (12 VDC version only)
SD Card Slot	Built-in microSD card slot (up to 1 TB)

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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%, Standard) or PoE (IEEE 802.3af, Optional)
Power Consumption	Max. 2.6 W
Operating Temperature	-30 ℃ to 55 ℃ (-22 ℉ to 131 ℉)
Operating Humidity	≤ 90% RH (Non-condensing)
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
Dimensions	37.6 × 34 × 46.5 mm (1.50 × 1.34 × 1.84 inch)
Net Weight	0.18 Kg (0.4 lb)
DORI Distance (EN 62676-4 standard)	
Detect	100 m (328.08 ft)
Observe	40 m (131.23 ft)
Recognize	20 m (65.62 ft)
Identify	10 m (32.81 ft)

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Dimensions (mm)



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