SN-IPV5321MBBS-S-Z

2MP Smart Dual Illumination Turret Network Camera

Key Features

- 1/3” progressive scan CMOS
- Max. 2MP (1920 × 1080) @25/30fps resolution
- 2.7 to 13.5 mm motorized varifocal lens
- Supports face, human, and vehicle detection.
- Intelligent analytics: Intrusion, smart motion detection, single line crossing, double line crossing, loitering, wrong-way detection, illegal parking, and people counting.
- DWDR, 3D DNR, ROI, HLC, BLC, Defog
- Built-in IR and warm LEDs, smart illumination distance up to 30m
- Built-in microphone and speaker
- Built-in microSD card slot (up to 1 TB)
- IP66-rated protection

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Specifications

Camera	
Image Sensor	1/3” Progressive Scan CMOS
Max. Resolution	2MP, 1920(H) × 1080(V)
Shutter Speed	1/5 to 1/20,000s
Min. Illumination	Color: 0.01 Lux @ (F1.6, AGC ON), B/W: 0.005 Lux @ (F1.6, AGC ON), 0 Lux with illuminator on
Day & Night	Auto (ICR)
Angle Adjustment	Pan: 0° to 360°, Tilt: 5° to 75°, Rotation: 0° to 360°
Lens	
Lens Type	Varifocal lens, motorized focal
Focal Length	2.7 to 13.5 mm
Max. Aperture	F1.6
Field of View (FOV)	H: 91.3° to 29°, V: 49.1° to 16.2°
Iris	Fixed Iris
Illuminator	
Illuminator Type	IR, Warm light
IR wavelength	850nm
Illumination Distance	IR distance up to 30 m (98.4 ft) Warm light distance up to 20 m (65.6 ft)
Illuminator Control	IR mode, White mode, Intelligent mode, None
Intelligent Analytics	
AI Multi-Target Detection	Supports face, human, and vehicle detection.
Intelligent Analysis	Intrusion, smart motion detection, single line crossing, double line crossing, loitering, wrong-way detection, and illegal parking. - Supports alarm triggering based on specified target types (human/vehicle)
People Counting	Supported
Video & Audio	
Number of Streams	3 Streams
Resolution	Stream 1: 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

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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)
Image	
Image Adjustment	Brightness, Sharpness, Contrast, Saturation adjustable
Scene Mode	Indoor, Outdoor, Mirror, Corridor mode
Exposure Mode	Auto, Manual, Shutter priority
White Balance	Auto, Tungsten, Fluorescent, Daylight, Shadow, Manual
Day/Night Setting	Auto, Day mode, Night mode, Timer
Noise Reduction	2D/3D DNR
Image Enhancement	HLC, BLC, Defog, WDR
Wide Dynamic Range	DWDR
Privacy Masking	Up to 4 configurable zones
Event	
Alarm Triggers	IVS, Motion detection, Network alarm, Disk alarm, Day/Night switch alarm, Abnormal sound detection
Event Actions	Alarm record, FTP upload, Email notification, Audible alarm output, White light 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	4 channels
User/Host Level	Up to 32 users; 3 levels: Administrator, Operator, and 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

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Supply Chain Security	SBOM
Interface	
Network Interface	1 × RJ45 10/100 Mbps Ethernet port
Built-in Microphone	Supported
Built-in Speaker	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 (802.3af)
Power Consumption	Typical: 1.7 W (12 VDC) / approx. 2.2 W (PoE) Max (Light on + Focus): 4.5 W (12 VDC) / approx. 5.7 W (PoE)Max (Light on + Focus + Speaker): 6.1 W (12 VDC) / approx. 7.7 W (PoE)
Operating Temperature	-25 ℃ to 55 ℃ (-13 ℉ to 131 ℉)
Operating Humidity	≤ 90% RH (Non-condensing)
Ingress Protection	IP66
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 housing; PC components
Dimensions	φ142.4 × 124.2 mm (φ5.61 × 4.89 inch)
Net Weight	Approx. 750 g (1.65 lb), with speaker
DORI Distance (EN 62676-4 standard)	
Detect	52 to 152 m (157.5 to 459.3 ft)
Observe	20.8 to 60.8 m (63 to 183.7 ft)
Recognize	10.4 to 30.4 m (31.5 to 91.9 ft)
Identify	5.2 to 15.2 m (24.0 to 45.9 ft)

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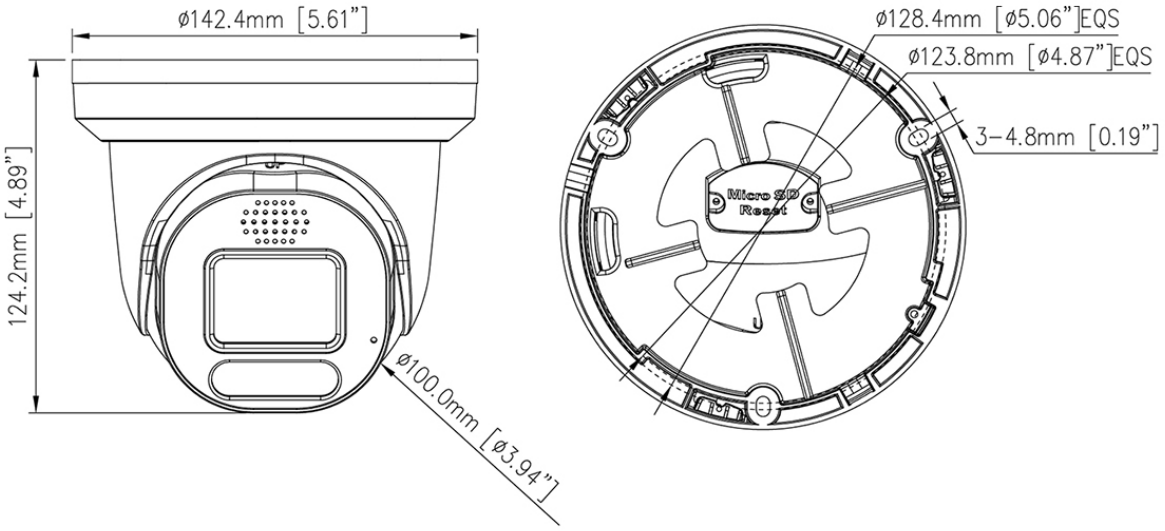
Dimensions (mm)



Accessories

Optional:

SN-CBK645G

Junction Box

SN-CBK206

Pendant Cap

SN-CBK402

Ceiling Mount Bracket

SN-CBK501

Wall Mount Bracket

SN-CBK502

Wall Mount Bracket

SN-CBK101

Pole Mount Bracket

SN-CBK102

Corner Mount Bracket

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