SN-IPV7182HNBS-B

8MP Smart Dual Illumination Turret Network Camera



Key Features

- 1/2.7” progressive scan CMOS, up to 8MP (3840 × 2160) @ 25 fps
- 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.
- True WDR (120dB), 3D DNR, ROI, HLC, BLC, Defog
- Built-in IR and warm light illumination up to 30 m
- Built-in microphone and speaker for two-way audio
- Built-in microSD card slot supporting up to 1 TB
- IP66-rated protection

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Specifications

Camera	
Image Sensor	1/2.7” Progressive Scan CMOS
Max. Resolution	8MP, 3840(H) × 2160(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: 0˚ to 85˚, Rotation: 0˚ to 360˚
Lens	
Lens Type	Fixed lens, fixed focal
Focal Length	2.8 mm, 4 mm optional
Max. Aperture	F1.6
Field of View (FOV)	2.8 mm: H: 110.3°, V: 60.0° 4 mm: H: 91.8°, V: 46.3°
Iris	Fixed Iris
Illuminator	
Illuminator Type	IR, Warm light
IR wavelength	850 nm
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: 3840 × 2160, 2880 × 1620, 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 fps
Bit Rate Control	CBR/VBR

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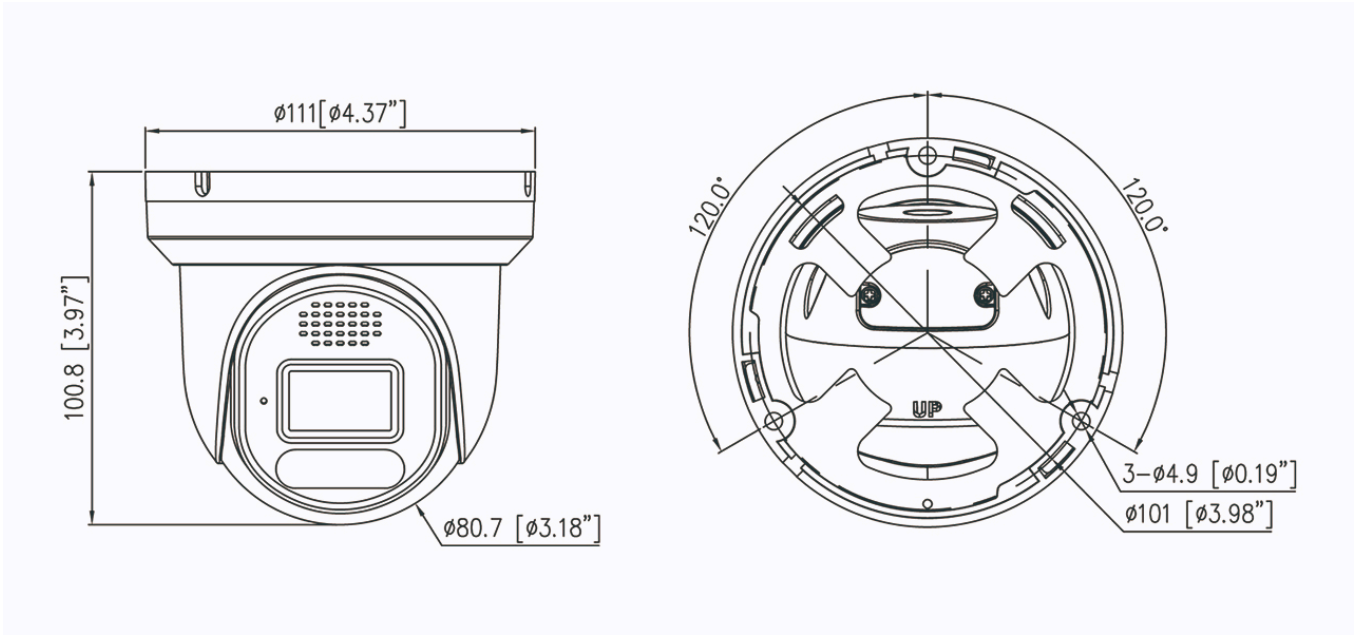
Bit Rate	Stream 1: 200 Kbps to 16 Mbps Stream 2: 100 Kbps to 6 Mbps Stream 3: 100 Kbps to 3 Mbps
Smart Encoding	Supported
Region of Interest (ROI)	Up to 8 zones
Audio Compression	G.711 A-law, G.711 μ-law, RAW_PCM
Audio Bit Rate	64 Kbps (G.711), 128 Kbps (RAW_PCM)
Image	
Image Adjustment	Brightness, Sharpness, 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	True WDR (120 dB)
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	10 channels
User/Host Level	32+ users, 3 user levels: Administrator, Operator, and Media User
Web Viewer	Chrome, Firefox, Microsoft Edge, IE11 or earlier
Security	
OS / Firmware Protect	Encrypted firmware, Signed firmware
User Authentication	Digest Authentication, Brute-Force Attack Protectio
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
Supply Chain Security	SBOM

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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: 2 W (IR off, 12 VDC) / approx. 2.5 W (PoE) Max: 9.0 W (Light on + Speaker, 12 VDC) / approx. 11.3 W (PoE)
Operating Temperature	-30 ℃ to 60 ℃ (-22 °F to 140 °F)
Operating Humidity	≤ 95% RH (Non-condensing)
Ingress Protection	IP66
Certifications	-30 ℃ to 60 ℃ (-22 °F to 140 °F)
Material	Aluminum alloy body, Decoration ring: ABS
Dimensions	φ111 × 100.8 mm (φ4.37 × 3.97 inch)
Net Weight	Approx. 430 g (0.95 lb)
DORI Distance (EN 62676-4 standard)	
Detect	2.8 mm: 83.9 m (275.3 ft) / 4 mm: 115.9 m (380.3 ft)
Observe	2.8 mm: 33.6 m (110.2 ft) / 4 mm: 46.4 m (146.3 ft)
Recognize	2.8 mm: 16.8 m (55.1 ft) / 4 mm: 23.2 m (76.1 ft)
Identify	2.8 mm: 8.4 m (27.6 ft) / 4 mm: 11.6 m (38.1 ft)

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Dimensions (mm)



Accessories

Optional:



SN-CBK646M

Junction Box



SN-BK382A

Wall Mount Bracket



SN-CBK202A

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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