

SN-IPR7180KFAC-Z

8MP Smart Dual Light Active Deterrence Bullet Network Camera



Key Features

- 1/2.7" progressive scan CMOS, up to 8MP (3840 × 2160) @25 fps
- 2.7 to 13.5mm 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.
- True WDR (120dB), 3D DNR, ROI, HLC, BLC, Defog
- Built-in IR and warm light illumination up to 40 m
- Built-in red and blue strobe lights with audible alarm for active deterrence
- Built-in microphone and speaker for two-way audio
- 1/1 audio I/O and 1/1 alarm I/O
- Built-in microSD card slot supporting up to 1 TB
- IP66-rated protection

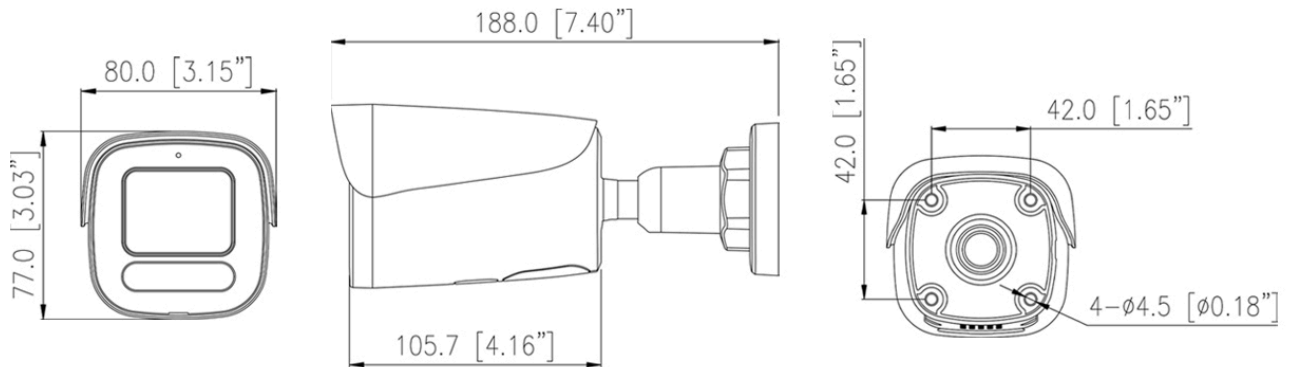
Specifications

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 90°, 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: 102.8° to 32.6°, V: 54.5° to 18.3°
Iris	Fixed Iris
Illuminator	
Type	IR, Warm light
IR wavelength	850 nm
Distance	IR distance up to 40 m (131.2 ft) Warm light distance up to 30 m (98.4 ft)
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 (Enable WDR is 20 fps)
Bit Rate Control	CBR/VBR

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	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, Email notification, Audible alarm output, White light alarm output, Red and blue light alarm
Network	
Protocols	IPv4/IPv6, HTTP/HTTPS, DNS, DDNS, DHCP, PPPoE, RTSP/ RTP/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 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

Supply Chain Security	SBOM
Interface	
Network Interface	1 × RJ45 10/100 Mbps Ethernet port
Built-in Microphone	Supported
Built-in Speaker	Supported
Audio Interface	1 input (3.5 mm), 1 output (3.5 mm)
Alarm Interface	1 input, 1 output
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: 2.2 W (12 VDC); approx. 2.8 W (PoE) Max (with IR or Warm Light + Speaker + Red/Blue Lights on): 10 W (12 VDC); approx. 12.5 W (PoE)
Operating Temperature	-30°C to 60°C (-22°F to 140°F)
Operating Humidity	< 95% 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	188.0 × 80 × 77 mm (7.40 × 3.15 × 3.03 inch)
Net Weight	Approx. 0.58 kg (1.28 lb)
DORI Distance (EN 62676-4 standard)	
Detect	96 to 272 m (282.2 to 892.4 ft)
Observe	38.4 to 108.8 m (126 to 357.0 ft)
Recognize	19.2 to 54.4 m (63 to 178.5 ft)
Identify	9.6 to 27.2 m (31.5 to 89.2 ft)

Dimensions (mm)

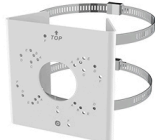


Accessories

Optional:



SN-CBK656A
Junction Box



SN-CBK627D
Pole Mount