



SN-IPR8542KFAE-B

**4MP Nighthawk Full color Active Deterrence
Bullet Network Camera**



Key Features

- 1/1.8" Progressive Scan CMOS
- Max. 4MP(2688×1520) @25/30fps resolution
- Supports face, human, and vehicle detection & capture
- Intelligent analysis: intrusion, single / double line crossing, loitering, wrong-way detection, smart motion detection, and people counting
- True WDR, 3D DNR, ROI, HLC, BLC, Defog
- Built-in warm LED, up to 40 m range
- Integrated red & blue warning lights with sound-light alarm function
- 1/1 alarm in/out, 1/1 audio in/out, built-in mic & speaker
- Built-in micro SD card slot (up to 1 TB)
- Supports 12VDC/0.3A power output for peripheral devices
- IP66 protection



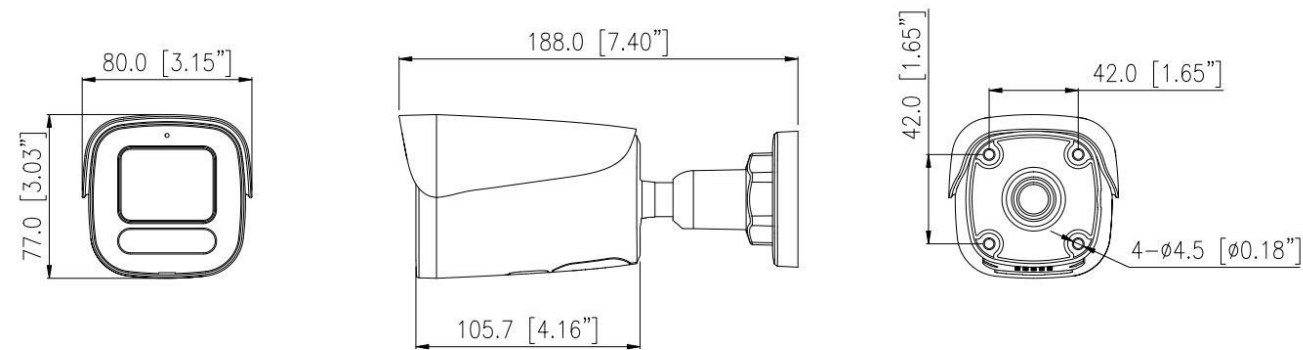
Specification

Camera	
Image Sensor	1/1.8" Progressive Scan CMOS
Max. Resolution	4MP, 2688(H) × 1520(V)
Electronic Shutter	Auto/Manual, 1/5 to 1/50,000s
Min. illumination	Color: 0.0001 Lux @ (F1.0, AGC ON), 0 Lux with light
Day & Night	Fixed filter
Wide Dynamic Range	True WDR
Angle Adjustment	Pan: 0° to 360°, Tilt: 0° to 90°, Rotation: 0° to 360°
Lens	
Lens Type	Fixed lens, fixed focal
Iris	Fixed Iris
Focal Length	2.8 mm
Max. Aperture	F1.0
Field of View (FOV)	H: 112.3°, V: 60.6°
DORI Distance	
Detect	55 m (180.5 ft)
Observe	22 m (72.2 ft)
Recognize	11 m (36.1 ft)
Identify	5.5 m (18.0 ft)
DORI (Detect, Observe, Recognize, and Identify) is a standard system (EN-62676-4) for defining the ability of a person viewing the video to distinguish persons or objects within a covered area. The numbers in this table do not reflect intelligent function distances.	
Illuminator	
Illuminator Type	Warm light
Illumination Range	Up to 40 m (131.2 ft)
Illumination On/Off Control	Auto/Manual
Intelligent Analytics	
Multi-Object Detection	Supports face, human, vehicle detection and capture. Supports multiple frame modes: Full Frame, Four-corner Frame, and Mosaic.
Intelligent Analysis	Intrusion, Single line crossing, Double line crossing, Loitering, Wrong-way, and Smart motion detection Support alarm triggering by specified target types (human and vehicle)
People Counting	Supported

Video and Audio	
Streaming Capability	3 Streams
Stream/Frame Rate	Stream1: 2688×1520, 2560×1440, 2304×1296, 1920×1080, 1280×720 @25/30fps Stream2: D1, VGA, CIF @25/30fps Stream3: VGA, CIF, QVGA @25/30fps
Bit Rate Control	CBR/VBR
Bit Rate	Stream1: 200 Kbps to 12 Mbps Stream2: 100 Kbps to 6 Mbps Stream3: 100 kbps to 3 Mbps
Region of Interest	Off/On (8 areas, Rectangle)
Smart Encode	Supported
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 Setting	Indoor, Outdoor, Mirror, Corridor Mode
Exposure Mode	Auto, Manual, Shutter priority
White Balance	Auto, Tungsten, Fluorescent, Daylight, Shadow, Manual
Day/Night Setting	Auto, Day, Night, Timer
Noise Reduction	2D/3D DNR
Image Enhancement	WDR, HLC, BLC, Defog
Privacy Masking	4 areas
Event	
Alarm Triggers	IVS, Motion detection, Alarm input, Network alarm, Disk alarm, Day/Night switch alarm, Abnormal sound detection
Event Action	Alarm record, Alarm output, FTP upload, SMTP upload, Audible alarm output, Red and blue light alarm
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
Interoperability	ONVIF (Profile S/T/G/M), SDK, CGI
Max Concurrent Streams	10 channels
User/Host Level	32+ users, 3 user levels: Administrator, Operator, Media user
Security	IP address filter, HTTPS, Illegal login lock, IEEE 802.1x
Web Viewer	<IE11, Chrome, Firefox, Microsoft Edge
Interface	

Network Interface	1 Ethernet (10/100 Base-T) RJ-45 Connector
Built-in Microphone	Supported
Built-in Speaker	Supported
Audio Interface	1ch Input, 1ch Output
Alarm Interface	1ch Input, 1ch Output
SD Card Slot	Built-in, up to 1 TB
Reset Button	Supported
Power Output	12 VDC, Max 0.3 A (Terminal Block)
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: 1.95 W (12 VDC); approx. 2.4 W (PoE) Max (with Warm Light + Speaker + Red/Blue Lights on): 9.85 W (12 VDC); approx. 12.3 W (PoE)
Operating Temperature	-40°C to 60°C (-40°F to 140°F)
Operating Humidity	Less than 90% RH
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
Dimensions	188.0 × 80 × 77 mm (7.40 × 3.15 × 3.03 inch)
Net Weight	0.58 kg (1.28 lb)

Dimensions (mm)



Accessories

Optional:



SN-CBK656A
Junction Box



SN-CBK627D
Pole Mount