4NSYS

4N-N21B4-BS
2MP Bullet Network Camera

H.265
H.264

NDAA

Key Features

- 1/3" progressive scan CMOS

- Max. 2MP (1920 × 1080) @ 25/30fps resolution

- 2.7 to 13.5 mm motorized varifocal lens

- Supports human and vehicle detection

- Intelligent analysis: intrusion, single / double line crossing, loitering, wrong-way detection, illegal parking, smart motion detection, and people counting

- DWDR, 3D DNR, ROI, HLC, BLC, Defog

- Support Encdoe H.264 , H.265 , MJPEG

- Built-in IR and warm LEDs, smart illumination distance up to 40m

- Built-in microphone (models with -S support built-in speaker)

- Built-in microSD card slot (supports up to 1 TB)

- IP66-rated protection

Specification

Camera	
Image Sensor	1/3" Progressive Scan CMOS
Max. Resolution	2MP, 1920(H) × 1080(V)
Electronic Shutter	Auto/Manual, 1/5 to 1/20,000s
Min. illumination	Color: 0.01 Lux @ (F1.6, AGC ON), B/W: 0 Lux with light on
Day & Night	IR cut filter
Wide Dynamic Range	DWDR
Angle Adjustment	Pan: 0˚ to 360˚, Tilt: 0˚ to 90˚, Rotation: 0˚ to 360˚

Lens	
Lens Type	Varifocal lens, motorized focal
Iris	Fixed Iris
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°

DORI Distance	
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)

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.

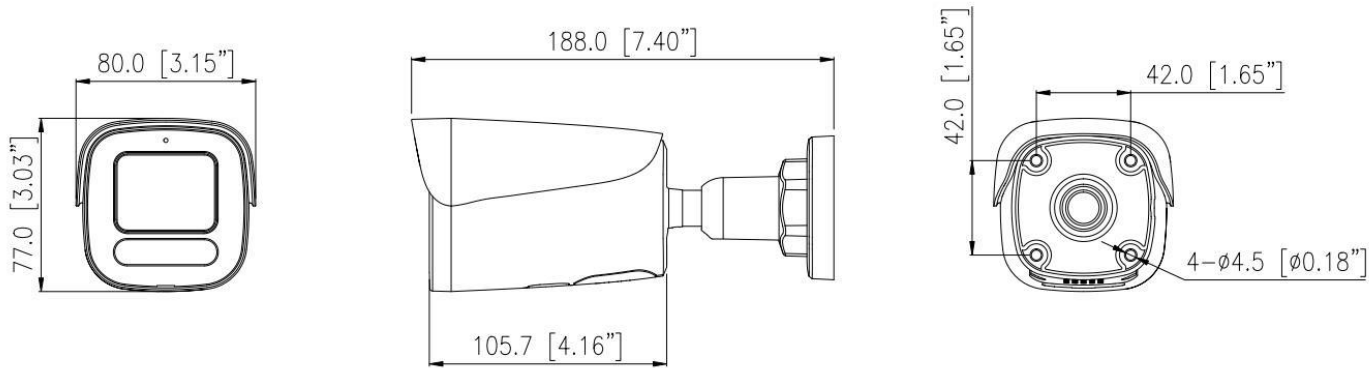| Illuminator	
Illuminator Type	IR, Warm light
Illumination Distance	IR distance up to 40 m (131.2 ft) Warm light distance up to 30 m (98.4 ft)
Illumination On/Off Control	IR mode, White mode, Intelligent mode, None
IR wavelength	850 nm

Intelligent Analytics	
Multi-Object Detection	Supports human/vehicle detection. Supports multiple frame modes: Full Frame, Four-corner Frame, and Mosaic.
Intelligent Analysis	Intrusion, Single line crossing, Double line crossing, Loitering, Wrong-way, Illegal parking, 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: 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 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, Night, Timer
Noise Reduction	2D/3D DNR
Image Enhancement	HLC, BLC, Defog, WDR
Privacy Masking	4 areas

Event

Alarm Triggers	IVS, Motion detection, Network alarm, Disk alarm, Day/Night switch alarm, Abnormal sound detection
Events Actions	Alarm record, FTP upload, SMTP upload, White light alarm output, audible alarm output (supported in -S models).

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	4 channels
User/Host Level	Up to 32 users; 3 levels: Administrator, Operator, and Media User
Security	IP address filter, HTTPS, Illegal login lock, IEEE 802.1x
Web Viewer	<IE11, Chrome, Firefox, Microsoft Edge

Interface	
Network Interface	1 × RJ45 10/100 Mbps Ethernet port
Built-in Microphone	Supported
Built-in Speaker	Supported (in -S models)
SD Card Slot	Built-in, 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): 6.5 W (12 VDC) / approx. 8.2 W (PoE) Max (Light on + Focus + Speaker): 9.1 W (12 VDC) / approx. 11.4 W (PoE)
Operating Temperature	-25°C to 55°C (-13°F to 131°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 body
Dimensions	188 × 80 × 77 mm (7.4 × 3.15 × 3.03 inch)
Net Weight	Approx. 0.53 kg (1.17 lb)

Dimensions (mm)

80.0 [3.15"]
77.0 [3.03"]

188.0 [7.40"]
105.7 [4.16"]

42.0 [1.65"]
42.0 [1.65"]
4-⌀4.5 [⌀0.18"]

Accessories

Optional:

4N-AJ45G Junction Box	4N-AP27D Pole Mount	4N-AP01 Pole Mount	4N-ACR02 Corner Mount

South Korea