



# SN-IPR8020BSBN-B

2MP IR Fixed Bullet Network Camera



## Key Features

- 1/2.8" STARVIS™ CMOS
- Max. 1080P(1920×1080) @25/30 fps resolution
- 2.8 mm / 4 mm fixed lens optional
- True WDR, 3D DNR, ROI, HLC, BLC, Defog
- Support face, human, vehicle detection and capture
- Intelligent analytics: intrusion, single line crossing, double line crossing, loitering, wrong-way detection, smart motion detection, and people counting
- Smart IR distance up to 30 m
- Built-in micro SD card slot
- IP67 protection



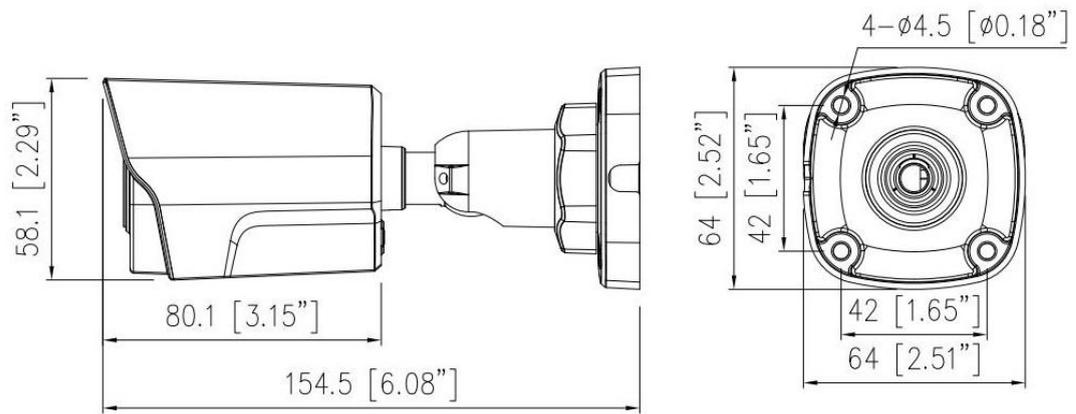
## Specification

Camera				
Image Sensor	1/2.8" 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 IR			
Day & Night	IR cut 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, 4 mm optional			
Max. Aperture	F2.0 / F1.6			
Field of View (FOV)	2.8 mm: - H: 101.5°, V: 50.5° 4 mm: - H: 80.3°, V: 41°			
DORI Distance				
Lens	Detect	Observe	Recognize	Identify
2.8 mm	44 m (144.4 ft)	17.6 m (57.7 ft)	8.8 m (28.9 ft)	4.4 m (14.4 ft)
4 mm	56.5 m (185.4 ft)	22.6 m (74.1 ft)	11.3 m (37.1 ft)	5.65 m (18.5 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			
Illumination Distance	Up to 30 m (98.4 ft)			
Illumination On/Off Control	Auto/Manual			
IR wavelength	850 nm			
Intelligent Analytics				
Multi-Object Detection	Supports face, human, vehicle detection and capture			
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
<b>Video and Audio</b>	
Streaming Capability	3 Streams
Stream/Frame Rate	Stream1: 1920×1080, 1280×720 @25/30fps Stream2: D1, VGA, 640×360,CIF, QVGA @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
<b>Image</b>	
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
<b>Event</b>	
Alarm Triggers	IVS, Motion detection, Network alarm, Disk alarm, Day/Night switch alarm
Event Actions	Alarm record, SMTP upload, FTP upload
<b>Network</b>	
Protocols	IPv4/IPv6, HTTP/HTTPS, DNS, DDNS, DHCP, PPPoE, RTSP/ RTP/RTCP, 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 levels: Administrator, Operator, Media user
Security	IP address filter, HTTPS, Illegal login lock, IEEE 802.1x
Web Viewer	<IE11, Chrome, Firefox, Microsoft Edge
<b>Interface</b>	
Network Interface	1 Ethernet (10/100 Base-T) RJ-45 Connector

SD Card Slot	Built-in, up to 256GB
Reset Button	Supported
<b>General</b>	
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	Max 4.5 W
Operating Temperature	-40°C to 55°C (-40°F to 131°F )
Operating Humidity	Less than 90% RH
Ingress Protection	IP67
Certifications	CE-EMC - EN 55032, EN IEC 61000-6-3, 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	154.5× 64 × 64 mm (6.08 × 2.52 × 2.52 inch)
Net Weight	0.41 kg (0.9 lb)

## Dimensions (mm)



## Accessories

### Optional:



SN-CBK656A  
Junction Box



SN-CBK627D  
Pole Mount