

# 4N-2020B3-R

2MP IR Bullet Network Bullet IP Camera



**Ultra STARLUX**  
Smart Codec  
Long-range Smart IR  
2.7~13.5mm Motorized len  
Varifocal Ultra Smart Rate  
Control Advanced ROI

Onvifs Smart Focus



## Overview

- 4N-2020B3-R is a 2MP Full HD Outdoor Bullet Camera. It's suitably applicable for viewing long distances. It can **zoom in** a license plate number or human face at 50M away day and night. Combined with Visionhitech's smart autofocus & zoom control technology, the camera automatically finds and sets the ultrafine focal point with one click zoom control remotely at the security center. As a result, the camera produces a perfectly focused image all the time, eliminating the big hassle of the focus setting hard work.
- Combined with Visionhitech's exceptional image tuning technology, a Super low light sensor, and a low-light lens, the camera produces super bright color images at nighttime (**Ultra STARLUX**), offering noiseless crystal-clear video quality for day and night.
- The camera reinforced its network streaming technology far higher than conventional products with which users can experience **unprecedented network efficiencies** such as remarkably increased data transmission speed and dramatically reduced size of the video bandwidth by about 80%. It offers a considerable amount of cost-saving out of significantly reduced storage space and the size of data traffic.
- It adopts a lot of user-friendly smart features such as Smart Focus, Smart IR, Smart Health checking that offers high efficiencies in installation, running monitoring center, and maintenance management.
- Above all these high-profile features, this camera is reinforced with professional protection technologies to maintain a reliable operation under the harshest environments, such as extremely high or cold temperature, shock and vibration, vandalism, abnormal electric surge etc.

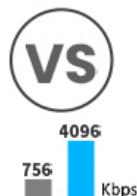
## Key Features

- Main Profile H.264 / H.265
- 1/2.8" progressive scan CMOS
- Max. 2MP (1920×1080) @25/30fps resolution
- 2.7~13.5mm motorized lens
- WDR, 3D DNR, ROI, HLC, BLC, Defog
- Support face, human, vehicle detection and capture
- Line crossing detection, intrusion detection, region entrance detection, region exiting detection
- 1/1 audio in/out, 1/1 alarm in/out
- Smart IR up to 40m
- Built-in SD card slot, IP67, PoE
- Real WDR (120dB)

## Video Compression

More Clear, HD resolution offer you best image quality in a lower bit rate.  
Save more storage space, can reduce 40%-50% file size save your HDD storage space and reduce your purchase cost.

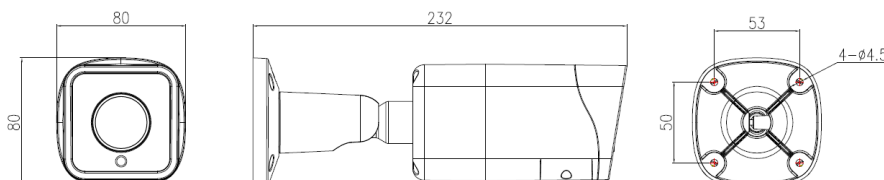
### H.265



### H.264



## Dimensions (Unit: mm)



## Accessories



4N-BK656A  
Junction Box



4N-BK627D  
Pole Mount

## Specification

## 2MP IR Bullet Network Bullet IP Camera

Camera	
Image Sensor	1/2.8" Progressive Scan CMOS
Max. Resolution	2MP (1920×1080)
Electronic Shutter	Auto/Manual, 1/5 ~ 1/20,000s
Min. illumination	Color: 0.01 Lux @ (F1.6, AGC ON) , B/W: 0 Lux @ (IR LED ON)
Day & Night	IR cut filter
IR Distance	Up to 40 m (131.2 ft)
IR On/Off Control	Auto/Manual
Pan/Tilt/Rotation Range	Pan: 0° ~ 360°, Tilt: 0° ~ 90°, Rotation: 0° ~ 360°
Lens	
Lens Type	Motorized
Iris	Fixed Iris
Focal Length	2.7 ~ 13.5 mm
F Number	F1.6
Angle of View	H: 101° ~ 28°, V: 54° ~ 16°
Video	
Main Stream	H.264 / H.265
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: 200kbps~12Mbps Stream2: 100kbps~6Mbps Stream3: 100kbps~3Mbps
Region of Interest	Off/On (8 Zone, Rectangle)
Smart Encode	Support
Image	
Image Adjustment	Brightness, Sharpness, Contrast, Saturation adjustable
Aisle Mode	Support
Mirror	Support
White Balance	Auto/Manual
Day/Night Setting	Auto, Day, Night, Time
Smart IR	Support
Noise Reduction	2D/3D DNR
Image Enhancement	HLC, BLC, Defog
Wide Dynamic Range	True WDR
S/N Ratio	55dB
Motion Detection	Support
Privacy Masking	Support

Specifications are subject to change without prior notice.

Smart Function	
Multi-Object Detection	Supports face, human, object removal detection, scene change detection
Smart Events	Line crossing detection, intrusion detection, region entrance detection, region exiting detection Wrong way, People counting Support alarm triggering by specified target types (human and vehicle)
Audio	
Compression	G.711, RAW_PCM
Bit Rate	8kbps, 16kps, 64kbps
Network	
Protocols	IPv4/IPv6, 802.1x, HTTP, HTTPS, TCP/IP, UDP/IP, RTSP, DHCP, NTP, RTCP/RTP, PPPoE, SMTP, DNS, UPnP, FTP, ARP, SNMP, TLS/SSL
Interoperability	ONVIF, SDK, CGI
Streaming Method	Unicast
Max. User Access	10 Users
Web Viewer	<IE11, Chrome, Firefox, Microsoft Edge
Language	English, Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian. Default: English
Interface	
Network Interface	1 Ethernet (10/100 Base-T) RJ-45 Connector
Audio Interface	1ch Input, 1ch Output
Alarm Interface	1ch Input, 1ch Output
Reset Button	Support
SD Card Slot	Built-in, up to 256GB
Electrical	
Power Supply	DC12V (-15%~+25%)/POE (IEEE 802.3af)
Power Consumption	Max 7 W
Operating Temperature	-40°C ~ 55°C (-40°F ~ 131°F)
Operating Humidity	Less than 90% RH
Ingress Protection	IP67
Certifications	CE/FCC
Casing	Metal
Dimensions	232 × 80 × 80mm (9.13" × 3.15" × 3.15")
Net Weight	0.81 kg (1.79 lb)



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