

# SN-IPR8040CBAA-Z

**4MP Active Deterrence IR Bullet Network Camera** 



### **Key Features**

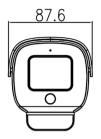
- 1/2.8" progressive scan CMOS
- Max. 4MP(2592×1520)@25/30fps resolution
- WDR, 3D DNR, ROI, HLC, BLC, Defog
- Support face, human, vehicle detection and capture
- Smart events: intrusion, single line crossing, double line crossing, loitering, wrong way, people counting
- Built-in microphone and speaker
- Supports strobe-light and audible alarms linkage to warn intruders off
- 1/1 audio in/out, 1/1 alarm in/out
- Smart IR up to 40m
- Built-in SD card slot, IP66, PoE

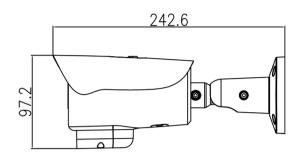
## **Specification**

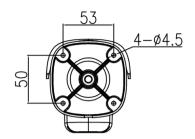
Image Sensor         1/2.8" Progressive Scan CMOS           Max. Resolution         4MP (2592×1520)           Electronic Shutter         Auto/Manual, 1/5 ~ 1/20,000s           Min. illumination         Color: 0.03 Lux @ (F1.6, AGC ON), BW: 0 Lux @ (IR LED ON)           Day & Night         IR cut filter           IR Distance         Up to 40 m (131.2 ft)           IR On/Off Control         Auto/Manual           Pan/Tilt/Rotation         Pan: 0" ~ 360", Tilt: 0" ~ 90", Rotation: 0" ~ 360"           Lens         Fixed Iris           Focal Length         2.7 ~ 13.5 mm           F Number         F1.6           Angle of View         H: 87.5" ~ 26", V: 64.8" ~ 19.9"           Video           Stream: 2592×1520, 2560×1440, 2304×1296, 1920×1080, 1280×720 @ 25/30fps Stream: 21, VGA, 640×360, CIF, QVGA @ 25/30fps Stream: 21, VGA, 640×360, CIF, QVGA @ 25/30fps Stream: 10, VGA, 640×360, CIF, QVGA @ 25/30fps Stream: 100kbps~12Mbps Stream: 100kbps~6Mbps Stream: 100kbps~3Mbps           Bit Rate         Stream: 200kbps~12Mbps Stream: 100kbps~3Mbps           Region of Interest         Off/On (8 Zone, Rectangle)           Image Adjustment         Brightness, Sharpness, Contrast, Saturation adjustable           Aisle Mode         Support	Camera	
Electronic Shutter  Auto/Manual, 1/5 ~ 1/20,000s  Min. illumination  Color: 0.03 Lux @ (F1.6, AGC ON), BW: 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  Lens Type  Motorized focus  Iris  Fixed Iris  Focal Length  2.7 ~ 13.5 mm  F Number  F1.6  Angle of View  H: 87.5° ~ 26°, V: 64.8° ~ 19.9°  Video  Streaming Capability  3 Streams  Stream2: D1, VGA, 640×360, CIF, QVGA @ 25/30fps Stream2: D1, VGA, 640×360, CIF, QVGA @ 25/30fps Stream3: VGA, CIF, QVGA @ 25/30fps Stream3: 100kbps~12Mbps Stream3: 100kbps~3Mbps  Region of Interest  Off/On (8 Zone, Rectangle)  Image  Image  Image Adjustment  Brightness, Sharpness, Contrast, Saturation adjustable  Aisle Mode	Image Sensor	1/2.8" Progressive Scan CMOS
Min. illumination  Color: 0.03 Lux @ (F1.6, AGC ON), BW: 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 focus  Iris  Fixed Iris  Focal Length  2.7 ~ 13.5 mm  F Number  F1.6  Angle of View  H: 87.5° ~ 26°, V: 64.8° ~ 19.9°  Video  Streaming Capability  3 Streams  Stream1: 2592×1520, 2560×1440, 2304×1296, 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~3Mbps Stream3: 100kbps~3Mbps Region of Interest  Off/On (8 Zone, Rectangle)  Image  Image Adjustment  Brightness, Sharpness, Contrast, Saturation adjustable Aisle Mode	Max. Resolution	4MP (2592×1520)
BW: 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 focus  Iris  Fixed Iris  Focal Length  2.7 ~ 13.5 mm  F Number  F1.6  Angle of View  H: 87.5 ° ~ 26 °, V: 64.8 ° ~ 19.9 °  Video  Streaming Capability  3 Streams  Stream1: 2592×1520, 2560×1440, 2304×1296, 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)  Image  Image  Image Adjustment  Brightness, Sharpness, Contrast, Saturation adjustable  Aisle Mode	Electronic Shutter	Auto/Manual, 1/5 ~ 1/20,000s
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  Lens  Wotorized focus  Iris Fixed Iris  Focal Length 2.7 ~ 13.5 mm  F Number F1.6  Angle of View H: 87.5° ~ 26°, V: 64.8° ~ 19.9°  Video  Streaming Capability 3 Streams  Stream1: 2592×1520, 2560×1440, 2304×1296, 1920×1080, 1280×720 @ 25/30fps Stream2: D1, VGA, 640×360, CIF, QVGA @ 25/30fps Stream3: VGA, CIF, QVGA @ 25/30fps Stream3: VGA, CIF, QVGA @ 25/30fps Stream2: 100kbps~12Mbps Stream2: 100kbps~6Mbps Stream3: 100kbps~6Mbps Stream3: 100kbps~6Mbps Stream3: 100kbps~3Mbps  Region of Interest Off/On (8 Zone, Rectangle)  Image  Image Adjustment Brightness, Sharpness, Contrast, Saturation adjustable Aisle Mode Support	Min. illumination	
IR On/Off Control  Auto/Manual  Pan/Tilt/Rotation Range  Lens  Lens Type  Motorized focus  Iris  Fixed Iris  Focal Length  2.7 ~ 13.5 mm  F Number  F1.6  Angle of View  H: 87.5° ~ 26°, V: 64.8° ~ 19.9°  Video  Streaming Capability  3 Streams  Streami: 2592×1520, 2560×1440, 2304×1296, 1920×1080, 1280×720 @ 25/30fps Stream2: D1, VGA, 640×360, CIF, QVGA @ 25/30fps Stream3: VGA, CIF, QVGA @ 25/30fps Stream1: 200kbps~12Mbps Stream2: 100kbps~12Mbps Stream3: 100kbps~3Mbps  Region of Interest  Off/On (8 Zone, Rectangle)  Image  Image Adjustment  Brightness, Sharpness, Contrast, Saturation adjustable  Aisle Mode  Support	Day & Night	IR cut filter
Pan/Tilt/Rotation Range  Lens  Lens  Lens Type  Motorized focus  Iris  Fixed Iris  Focal Length  2.7 ~ 13.5 mm  F Number  F1.6  Angle of View  H: 87.5° ~ 26°, V: 64.8° ~ 19.9°  Video  Streaming Capability  3 Streams  Stream/Frame Rate  Stream/Frame Rate  Stream2: D1, VGA, 640×360, CIF, QVGA @ 25/30fps Stream3: VGA, CIF, QVGA @ 25/30fps Stream2: 100kbps~12Mbps Stream2: 100kbps~12Mbps Stream3: 100kbps~3Mbps  Region of Interest  Off/On (8 Zone, Rectangle)  Image  Image Adjustment  Brightness, Sharpness, Contrast, Saturation adjustable  Aisle Mode	IR Distance	Up to 40 m (131.2 ft)
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Lens Type Motorized focus  Iris Fixed Iris  Focal Length 2.7 ~ 13.5 mm  F Number F1.6  Angle of View H: 87.5° ~ 26°, V: 64.8° ~ 19.9°  Video  Streaming Capability 3 Streams  Stream1: 2592×1520, 2560×1440, 2304×1296, 1920×1080, 1280×720 @ 25/30fps Stream2: D1, VGA, 640×360, CIF, QVGA @ 25/30fps Stream3: VGA, CIF, QVGA @ 25/30fps Stream3: VGA, CIF, QVGA @ 25/30fps Stream3: 100kbps~12Mbps Stream2: 100kbps~6Mbps Stream3: 100kbps~3Mbps  Region of Interest Off/On (8 Zone, Rectangle)  Image  Image Adjustment Brightness, Sharpness, Contrast, Saturation adjustable  Aisle Mode Support		Pan: 0° ~ 360°, Tilt: 0° ~ 90°, Rotation: 0° ~ 360°
Iris Fixed Iris  Focal Length 2.7 ~ 13.5 mm  F Number F1.6  Angle of View H: 87.5° ~ 26°, V: 64.8° ~ 19.9°  Video  Streaming Capability 3 Streams  Stream/Frame Rate Stream: 2592×1520, 2560×1440, 2304×1296, 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)  Image  Image Adjustment Brightness, Sharpness, Contrast, Saturation adjustable  Aisle Mode Support	Lens	
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Stream/Frame Rate  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  Stream1: 200kbps~12Mbps Stream2: 100kbps~6Mbps Stream3: 100kbps~3Mbps  Region of Interest  Off/On (8 Zone, Rectangle)  Image  Image Adjustment  Brightness, Sharpness, Contrast, Saturation adjustable  Aisle Mode  Support	Streaming Capability	3 Streams
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Image Adjustment Brightness, Sharpness, Contrast, Saturation adjustable  Aisle Mode Support	Region of Interest	Off/On (8 Zone, Rectangle)
Aisle Mode Support	Image	
	Image Adjustment	Brightness, Sharpness, Contrast, Saturation adjustable
Mirror Support	Aisle Mode	Support
συμροτι	Mirror	Support
White Balance Auto/Manual	White Balance	Auto/Manual
Day/Night Setting Auto, Day, Night, Time	Day/Night Setting	Auto, Day, Night, Time
Smart IR Support	Smart IR	Support
Noise Reduction 2D/3D DNR	Noise Reduction	2D/3D DNR
Image Enhancement HLC, BLC, Defog	Image Enhancement	HLC, BLC, Defog
Wide Dynamic Range True WDR	Wide Dynamic Range	True WDR
S/N Ratio 55dB	S/N Ratio	55dB
Motion Detection Support	Motion Detection	Support
Privacy Masking Support		Command

Smart Function	
Multi-Object	
Detection	Supports face, human, vehicle detection and capture
Smart Events	Intrusion, Single line crossing, Double line crossing, Loitering, Wrong way, People counting Support alarm triggering by specified target types (human and vehicle)
Smart Alarm	When an alarm is triggered, active strobe light and audible to warn intruders off.
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,="" edge<="" firefox,="" microsoft="" td=""></ie11,>
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
Built-in Microphone	Yes
Built-in Speaker	Yes
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 10.5 W
Operating Temperature	-40°C ~ 55°C (-40°F ~ 131°F )
Operating Humidity	Less than 90% RH
Ingress Protection	IP66
Certifications	CE/FCC
Casing	Metal
Dimensions	264.5 × 82.7 × 80.3 mm (10.41" × 3.56" × 3.16")
Net Weight	0.83 kg (1.83 lb)

## Dimensions (mm)







#### **Accessories**

#### Optional:



SN-CBK656A Junction Box



SN-CBK627D Pole Mount