

SN-IPR7180BYBN-B

8MP IR Bullet Network Camera



Key Features

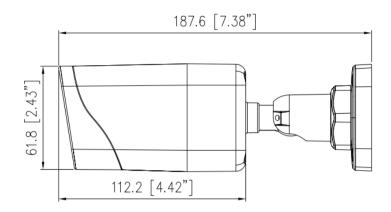
- 1/2.7" progressive scan CMOS
- Max. 8MP(3840 × 2160) @25fps resolution
- True WDR, 3D DNR, ROI, HLC, BLC, Defog
- Support face, human, vehicle detection
- Intelligent analytics: intrusion, single line crossing, double line crossing, loitering, wrong-way, illegal parking, smart motion detection and people counting
- Built-in microphone
- Built-in SD card slot, up to 1TB Micro SD card
- Smart IR distance up to 30m
- IP66 protection

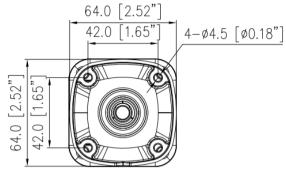
Specification

Camera					
Image Sensor	1/2.7" Progressive Sc	1/2.7" Progressive Scan CMOS			
Max. Resolution	8MP (3840 × 2160)	8MP (3840 × 2160)			
Electronic Shutter	Auto/Manual, 1/5 to	Auto/Manual, 1/5 to 1/20,000s			
Min. illumination	Color: 0.01 Lux @ (F1	Color: 0.01 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR			
Day & Night	IR cut filter	IR cut filter			
Wide Dynamic Range	True WDR	True WDR			
Angle Adjustment	Pan: 0° to 360°, Tilt: 0	Pan: 0° to 360°, Tilt: 0° to 90°, Rotation: 0° to 360°			
Lens					
Lens Type	Fixed focal	Fixed focal			
Iris	Fixed Iris	Fixed Iris			
Focal Length	2.8 mm, 4 mm	2.8 mm, 4 mm			
Max. Aperture	F2.0 / F1.6				
Field of View (FOV)	2.8 mm - H: 105°, V: 56° 4 mm - H: 91.5°, V: 46.3°				
DORI Distance					
Lens	Detect	Observe	Recognize	Identify	
2.8 mm	89 m (292 ft)	35.6 m (116.8 ft)	17.8 m (58.4 ft)	8.9 m (29.2 ft)	
4 mm	113 m (370.7 ft)	45.2 m (148.3 ft)	22.6 m (74.1 ft)	11.3 m (37.1 ft)	
DORI (Detect, Observe, Recognize, and persons or objects within a covered ar				ewing the video to distinguish	
Illuminator					
Illuminator Type	IR	IR			
Illumination Distance	Up to 30 m (98.4 ft)	Up to 30 m (98.4 ft)			
Illumination On/Off Control	Auto/Manual				
Intelligent Analytics					
Multi-Object Detection	Supports face, humar	n, vehicle detection			
Intelligent Analysis	detection	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	Support				
Video and Audio					
Streaming Capability	3 Streams				
Stream/Frame Rate	Stream2: D1, VGA, CI Stream3: VGA, CIF, Q	Stream1: 3840×2160, 2880×1620, 2592×1520, 2560×1440, 2304×1296, 1920×1080, 1280×720 @25fps Stream2: D1, VGA, CIF @ 25fps Stream3: VGA, CIF, QVGA @ 25fps (Enable WDR is 20fps)			
Bit Rate Control	CBR/VBR				
Bit Rate	Stream2: 100 Kbps to	Stream1: 200 Kbps to 16 Mbps Stream2: 100 Kbps to 6 Mbps Stream3: 100 Kbps to 3 Mbps			
Region of Interest	Off/On (8 areas, Rect	angle)			

Snant Encode Support Audic Oampersion G.711 A-law, G.711 µ-law, RAM PCM Audic Bit Rate 64 Kips (G.711), 128 Kips (RAW_PCM) Inage Free Mode Inage Adjustment Brightness, Sharpness, Contrast, Saturation adjustable Seene Mode Indoor, Outdoor, Mirror, Corridor mode Exposure Mode Auto, Tungsten, Fluorescent, Daylight, Shadow, Manual Day/Night Setting Auto, Tungsten, Fluorescent, Daylight, Shadow, Manual Day/Night Setting Auto, Day, Night, Timer Noise Reduction 20/30 DNR Image Enhancement HLC, BLC, Defog, WDR Privacy Masking a areas VERVIEW A area Sevents Actions A larm record, FTP upload, SMTP upload Network VERVIEW Protocols A larm record, FTP upload, SMTP upload Interpoerability ONYEE (Profile S/T/S/M), SDK, CG User/Host Lievel Up to 10 users, 3 levels Administrator, Operator, Media user Security A deltame record, Free (Microsoft Edge Interface Lettherms (10/200 Base-1) RL-dS Connector Built- in Microphone Support <tr< th=""><th></th><th></th></tr<>				
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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 20/3 D NR Image Enhancement HLC, BLC, Defog, WDR Privacy Masking 4 areas Name Triggers VS, Motion detection, Network alarm, Disk alarm, Abnormal sound detection Events Alarm Triggers VS, Motion detection, Network alarm, Disk plarm, Abnormal sound detection Events Actions Alarm record, FTP upload, SMTP upload Network Provided Mark (FTP upload, SMTP upload Network Interface IPVA/IPV6, HTTP/HTTPS, DNS, DDNS, DNEP, PPDSE, RTSP/RTCP/RTP, TCP/UDP, NTP, ARP, UPNP, FTP, SMTP, DAS, CORG User/Host Level Up to 10 users, 3 levels: Administrator, Operator, Media user Security IP address filter, encrypted HTTPS, Illegal login lock, IEEE 802.1x Web Vicer 1 Ethernet (10/100 Base-T) R-I-4S Connector Built-in, Up to 1TB Security Built-in, Up to 1TB Secu	Audio Bit Rate	64 Kbps (G.711), 128 Kbps (RAW_PCM)		
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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 WE WARKEN AUTO, DAY, MICHAN AUTO, MICHA	Scene Mode	Indoor, Outdoor, Mirror, Corridor mode		
Day/Night Setting Auto, Day, Night, Timer Noise Reduction 2D/3D DNR Image Enhancement HLC, BLC, Defog, WDR Privacy Masking 4 areas Event Event Alarm Triggers NS, Motion detection, Network alarm, Disk alarm, Abnormal sound detection Events Actions Aarm record, FTP upload, SMTP upload Notework Protocols IPv4/IPv6, HTTP/HTTPS, DNS, DDNS, DHCP, PPPDE, RTSP/RTCP/IDP, NTP, ARP, UPPP, FTP, SMTP, OoS, ICMP, IGMP, SMTP, 802, 1x, SMMP, Multicast Interoperability ONIF (Profiles F/T/GM), DSK, CGI User/Host Level Up to 10 users, 3 levels: Administrator, Operator, Media user Security IP address filter, encrypted HTTPS, Illegal login lock, IEEE 802.1x Web Viewer IIE11, Chrome, Firefox, Microsoft Edge Interface Network interface 1 Ethernet (10/100 Base-T) RJ-45 Connector Built-in Microphone Support SD Card Slot Support SD Card Slot Support General Eanguage English, Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian. Default: English Power Supply DC12V (-15% to +25%)/PoE (IEEE 802.3af) Power Consumption 2W (IR OFF), Max 5.6W (IR ON) Operating Temperature -30°C to 60°C (-22°F to 140°F) Operating Humidity Less than 90% RH Ingress Protection Ceff 40°C 47 CER 15, Shopster 18, ANSI CG3.4-2014, BNIEC 61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A2:2021, EN 56035:2017+A1:2020, EN 18C 61000-6-3:2021, EN IEC 61000-6-3:2021, EN IEC 61000-3-3:2011+A1:2021, EN 56035:2015+A1:2020, EN 18C 61000-6-3:2021, EN IEC 61000-6-3:2021, EN 18C 61000-6-3:2021, EN IEC 61000-6-3:2021, EN IEC 61000-6-3:2021, EN 18C 61000-6-3:2021, E	Exposure Mode	Auto, Manual, Shutter priority		
Noise Reduction 2D/3D DNR Image Enhancement HLC, BLC, Defog, WDR Privacy Masking 4 areas Event ************************************	White Balance	Auto, Tungsten, Fluorescent, Daylight, Shadow, Manual		
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Alarm Triggers NS, Motion detection, Network alarm, Disk alarm, Abnormal sound detection Events Actions Alarm record, FTP upload, SMTP upload Network Protocols IPv4/IPv6, HTTP/HTTPS, DNS, DDNS, DHCP, PPDE, RTSP/ RTCP/RTP, TCP/UDP, NTP, ARP, UPnP, FTP, SMTP, Oos, ICMP, IGMP, SMTP, 802.1x, SMMP, Multicast Interoperability ONVIF (Profile S/T/G/M), SDK, CGI User/Host Level Up to 10 users, 3 levels: Administrator, Operator, Media user Security IP address filter, encrypted HTTPS, Illegal login lock, IEEE 802.1x Web Viewer clei1, Chrome, Firefox, Microsoft Edge Interface Network Interface 1 Ethernet (10/100 Base-T) RJ-45 Connector Built-in Microphone Support SD Card Slot Built-in, up to 1TB Reset Button Support General Language English, Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian. Default: English Power Supply DC12V (-15% to +25%)/PoE (IEEE 802.3af) Power Consumption 2W (IR OFF), Max 5.6W (IR ON) Operating Temperature -30°C to 60°C (-22°F to 140°F) Operating Humidity Less than 90% RH Ingress Protection IP66 Certifications 3C-E-EMC (EN S5033:2015+A1:2020, EN EG 10000-6-3:2021, EN IEC 61000-3-2:2019+A1:2021, EN 61000-3-3:2011-A1:2021, EN EC 61000-6-3:2021 (EN IEC 61000-6-3:2021) AC2021, EN S5033:2017+A11:2020, EN S0130-4:2011+A1:2021, EN EC 61000-3-2:2019+A1:2021, EN EC 61000-6-3:2021, EN IEC 61000-6-3:2021, EN	Privacy Masking	4 areas		
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Built-in MicrophoneSupportSD Card SlotBuilt-in, up to 1TBReset ButtonSupportGeneralLanguageEnglish, Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian. Default: EnglishPower SupplyDC12V (-15% to +25%)/PoE (IEEE 802.3af)Power Consumption2W (IR OFF), Max 5.6W (IR ON)Operating Temperature-30°C to 60°C (-22°F to 140°F)Operating HumidityLess than 90% RHIngress ProtectionIP66CertificationsCE-EMC (EN 55032:2015+A1:2020, EN IEC 61000-6-3:2021, EN IEC 61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A2:2021, EN 55035:2017+A11:2020, EN 50130-4:2011+A1:2014) FCC (FCC 47 CFR 15, Subpart B, ANSI C63.4-2014)MaterialAluminum alloy bodyDimensions187.6 × 64 × 64 mm (7.39 × 2.52 × 2.52 inch)	Interface			
Built-in, up to 1TB Reset Button Support General Language English, Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian. Default: English Power Supply DC12V (-15% to +25%)/PoE (IEEE 802.3af) Power Consumption 2W (IR OFF), Max 5.6W (IR ON) Operating Temperature -30°C to 60°C (-22°F to 140°F) Operating Humidity Less than 90% RH Ingress Protection IP66 CE-EMC (EN 55032:2015+A1:2020, EN IEC 61000-6-3:2021, EN IEC 61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A2:2021, EN 55035:2017+A11:2020, EN 50130-4:2011+A1:2014) FCC (FCC 47 CFR 15, Subpart B, ANSI C63.4-2014) Material Aluminum alloy body Dimensions 187.6 × 64 × 64 mm (7.39 × 2.52 × 2.52 inch)	Network Interface	1 Ethernet (10/100 Base-T) RJ-45 Connector		
Reset Button General Language English, Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian. Default: English Power Supply DC12V (-15% to +25%)/PoE (IEEE 802.3af) Power Consumption 2W (IR OFF), Max 5.6W (IR ON) Operating Temperature -30°C to 60°C (-22°F to 140°F) Operating Humidity Less than 90% RH Ingress Protection IP66 CE-EMC (EN 55032:2015+A1:2020, EN IEC 61000-6-3:2021, EN IEC 61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A2:2021, EN 55035:2017+A11:2020, EN 50130-4:2011+A1:2014) FCC (FCC 47 CFR 15, Subpart B, ANSI C63.4-2014) Material Aluminum alloy body Dimensions 187.6 × 64 × 64 mm (7.39 × 2.52 × 2.52 inch)	Built-in Microphone	Support		
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English, Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian. Default: English Power Supply DC12V (-15% to +25%)/PoE (IEEE 802.3af) Power Consumption 2W (IR OFF), Max 5.6W (IR ON) Operating Temperature -30°C to 60°C (-22°F to 140°F) Operating Humidity Less than 90% RH Ingress Protection IP66 CE-EMC (EN 55032:2015+A1:2020, EN IEC 61000-6-3:2021, EN IEC 61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A2:2021, EN 55035:2017+A11:2020, EN 50130-4:2011+A1:2014) FCC (FCC 47 CFR 15, Subpart B, ANSI C63.4-2014) Material Aluminum alloy body Dimensions 187.6 × 64 × 64 mm (7.39 × 2.52 × 2.52 inch)	Reset Button	Support		
Power Supply DC12V (-15% to +25%)/PoE (IEEE 802.3af) Power Consumption 2W (IR OFF), Max 5.6W (IR ON) Operating Temperature -30°C to 60°C (-22°F to 140°F) Operating Humidity Less than 90% RH Ingress Protection IP66 Certifications CE-EMC (EN 55032:2015+A1:2020, EN IEC 61000-6-3:2021, EN IEC 61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A2:2021, EN 55035:2017+A11:2020, EN 50130-4:2011+A1:2014) Material Aluminum alloy body Dimensions 187.6 × 64 × 64 mm (7.39 × 2.52 × 2.52 inch)	General			
Power Consumption 2W (IR OFF), Max 5.6W (IR ON) Operating Temperature -30°C to 60°C (-22°F to 140°F) Operating Humidity Less than 90% RH Ingress Protection IP66 Certifications CE-EMC (EN 55032:2015+A1:2020, EN IEC 61000-6-3:2021, EN IEC 61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A2:2021, EN 55035:2017+A11:2020, EN 50130-4:2011+A1:2014) Material Aluminum alloy body Dimensions 187.6 × 64 × 64 mm (7.39 × 2.52 × 2.52 inch)	Language	English, Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian. Default: English		
Operating Temperature -30°C to 60°C (-22°F to 140°F) Operating Humidity Less than 90% RH Ingress Protection IP66 Certifications CE-EMC (EN 55032:2015+A1:2020, EN IEC 61000-6-3:2021, EN IEC 61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A2:2021, EN 55035:2017+A11:2020, EN 50130-4:2011+A1:2014) FCC (FCC 47 CFR 15, Subpart B, ANSI C63.4-2014) Material Aluminum alloy body Dimensions 187.6 × 64 × 64 mm (7.39 × 2.52 × 2.52 inch)	Power Supply	DC12V (-15% to +25%)/PoE (IEEE 802.3af)		
Operating Humidity Less than 90% RH Ingress Protection IP66 Certifications CE-EMC (EN 55032:2015+A1:2020, EN IEC 61000-6-3:2021, EN IEC 61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A2:2021, EN 55035:2017+A11:2020, EN 50130-4:2011+A1:2014) FCC (FCC 47 CFR 15, Subpart B, ANSI C63.4-2014) Material Aluminum alloy body Dimensions 187.6 × 64 × 64 mm (7.39 × 2.52 × 2.52 inch)	Power Consumption	2W (IR OFF), Max 5.6W (IR ON)		
Ingress Protection IP66 CE-EMC (EN 55032:2015+A1:2020, EN IEC 61000-6-3:2021, EN IEC 61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A2:2021, EN 55035:2017+A11:2020, EN 50130-4:2011+A1:2014) FCC (FCC 47 CFR 15, Subpart B, ANSI C63.4-2014) Material Aluminum alloy body Dimensions 187.6 × 64 × 64 mm (7.39 × 2.52 × 2.52 inch)	Operating Temperature	-30°C to 60°C (-22°F to 140°F)		
CE-EMC (EN 55032:2015+A1:2020, EN IEC 61000-6-3:2021, EN IEC 61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A2:2021, EN 55035:2017+A11:2020, EN 50130-4:2011+A1:2014) FCC (FCC 47 CFR 15, Subpart B, ANSI C63.4-2014) Material Aluminum alloy body Dimensions 187.6 × 64 × 64 mm (7.39 × 2.52 × 2.52 inch)	Operating Humidity	Less than 90% RH		
Certifications 3:2013+A2:2021, EN 55035:2017+A11:2020, EN 50130-4:2011+A1:2014) FCC (FCC 47 CFR 15, Subpart B, ANSI C63.4-2014) Material Aluminum alloy body Dimensions 187.6 × 64 × 64 mm (7.39 × 2.52 × 2.52 inch)	Ingress Protection	IP66		
Dimensions 187.6 × 64 × 64 mm (7.39 × 2.52 × 2.52 inch)	Certifications	3:2013+A2:2021, EN 55035:2017+A11:2020, EN 50130-4:2011+A1:2014)		
	Material	Aluminum alloy body		
Net Weight 0.61 kg (1.35 lb)	Dimensions	187.6 × 64 × 64 mm (7.39 × 2.52 × 2.52 inch)		
	Net Weight	0.61 kg (1.35 lb)		

Dimensions (mm)





Accessories

Optional:







SN-CBK627D Pole Mount