DATA SHEET

IR Video Pro 8MP Outdoor Vari-focal Bullet Camera 3.6 - 11mm

The IR Video range of products provides the video surveillance technology for Inner Range's Unified Video, Access and Security solutions. The complete range of products include Video Gateways for providing the link to Inner Range's IR Connect cloud services and through to the full connected eco-system of Inner Range solutions, Edge Cameras incorporating onboard storage and video analytics, and Active Deterrence Cameras providing Video Analytic driven alarm conditions into the IR Eco-system.

The IR CONNECT Mobile Application provides users with the ability to remotely connect, arm & disarm the unified solution, receive events and alarm notifications and associated video to verify the situation on site. This comprehensive security solution incorporating Video, Access Control and Intruder Alarm protects your premises, your assets and most importantly your people.

Key Features

- 1/1.8" progressive scan CMOS
- 25/30fps @ 8MP(3840×2160)
- 3.6 to 11 mm motorized lens
- Supports face, human, vehicle detection and capture
- Intelligent analysis: intrusion, single line crossing, double line crossing, loitering, wrong-way, people counting and video metadata
- True WDR, 3D DNR, ROI, Defog, HLC
- Built-in microphone
- Smart IR distance up to 70 m
- IP66, IK10

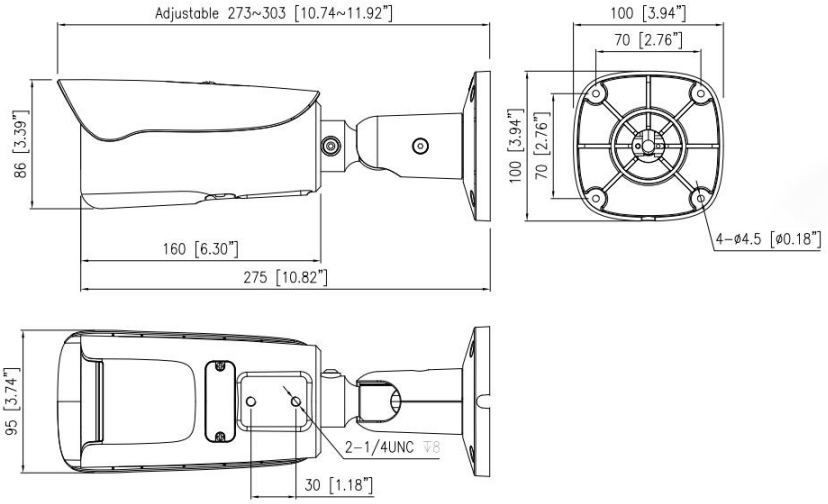


IR-V-C8B-120Z



IR-V-C8B-120ZB

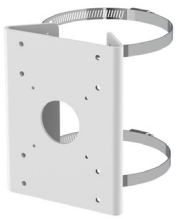
Dimensions (mm)



Accessories



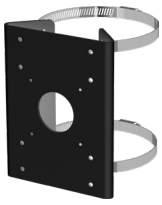
JUNCTION BOX
IR-V-BKB-JB02



POLE MOUNT
IR-V-BKB-POL-01



JUNCTION BOX
IR-V-BKB-JB-02B



POLE MOUNT
IR-V-BKB-POL-01B

Copyright © Inner Range Pty Ltd September 2026
The specifications and descriptions of products and services contained in this document were correct at the time of release of this document. Inner Range Pty Ltd reserves the right to change specifications or withdraw products without notice.
This document cannot be re-published or re-hosted without the prior written consent of Inner Range. For the latest version of this document, please visit the Inner Range website.

DATA SHEET

IR Video Pro 8MP Outdoor Vari-focal Bullet Camera 3.6 - 11mm

Specification

Camera				
Image Sensor	1/1.8" Progressive Scan CMOS			
Max Resolution	3840(H) × 2160(V)			
Electronic Shutter	Auto/Manual, 1/5 to 1/20,000s			
Min. Illumination	Color: 0.003 Lux @ (F1.3, AGC ON) , B/W: 0 Lux with IR			
Day & Night	Auto (ICR)			
Angle Adjustment	Pan: 0° to 360°, Tilt: 0° to 90°, Rotation: 0° to 360°			
Lens				
Lens Type	Motorized Focus			
Iris	DC-Iris			
Focal Length	3.6 to 11 mm			
F Number	F1.3			
Angle of View	H: 110.6° to 47.3°, V: H: 57.9° to 26.8°			
DORI Distance				
Lens	Detect	Observe	Recognise	Identify
Wide (3.6 mm)	92 m (301.8 ft)	36.8 m (120.7 ft)	18.4 m (60.4 ft)	9.2 m (30.2 ft)
Tele (11 mm)	250 m (820.2 ft)	100 m (328.1 ft)	50 m (164.0 ft)	25 m (82.0 ft)
Illuminator				
Illuminator Type	IR			
Illumination Distance	Up to 70 m (229.7 ft)			
Illumination On/Off Control	Auto/Manual			
Video				
Streaming Capability	3 Streams			
Stream/Frame Rate	Stream1: 3840×2160, 2592×1944, 2592×1520, 2560×1440, 2304×1296, 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 16 Mbps Stream2: 100 Kbps to 6 Mbps Stream3: 100 Kbps to 3 Mbps			
Video Compression	H.264, H.265, MJPEG			
Smart Encoder	Support			
Region of Interest (ROI)	Off/On (8 Zone, Rectangle)			
Audio				
Compression	G.711, RAW_PCM			
Bit Rate	64Kbps (G.711), 128Kps (RAW_PCM)			
Smart Function				
Multi-Object Detection	Supports face, human, vehicle detection and capture			
Intelligent Analysis	Intrusion, Single line crossing, Double line crossing, Loitering, Wrong-way Support alarm triggering by specified target types (human and vehicle).			
People Counting	Support			

Image	
Image Adjustment	Brightness, Sharpness, Contrast, Saturation adjustable
Corridor Mode	Support
Mirror	Support
White Balance	Auto/Manual
Day/Night Setting	Auto, Day, Night, Time
Smart IR	Support
Noise Reduction	2D/3D DNR
Image Enhanecment	HLC, BLC, Defog
Wide Dynamic Range	WDR
S/N Ratio	55dB
Motion Detection	Support
Privacy Masking	4 areas
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
Streaming Method	Multicast
Max. User Access	10 Users
Web Viewer	Edge, Chrome, Firefox
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
Built-in Microphone	Support
Audio Interface	1ch Input, 1ch Output
Alarm Interface	1ch Input, 2ch Output
SD Card Slot	Built-in, up to 512GB
Reset Button	Support
Electrical	
Power Supply	12VDC/PoE (IEEE 802.3af)
Power Communication	Basic: Max 4.6W (IR OFF), Max 10W (IR ON)
Operating Temperature	-35°C to 60°C (-31°F to 140°F)
Operating Humidity	Less than 90% RH
Protection	IP66, IK10
Certifications	CE/FCC
Casing	Metal
Dimensions	303 × 100 × 100 mm (11.9 × 3.94 × 3.94 inch)
Net Weight	1.2 kg (2.65 lb.)

Copyright © Inner Range Pty Ltd September 2026
The specifications and descriptions of products and services contained in this document were correct at the time of release of this document. Inner Range Pty Ltd reserves the right to change specifications or withdraw products without notice.
This document cannot be re-published or re-hosted without the prior written consent of Inner Range. For the latest version of this document, please visit the Inner Range website.