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.
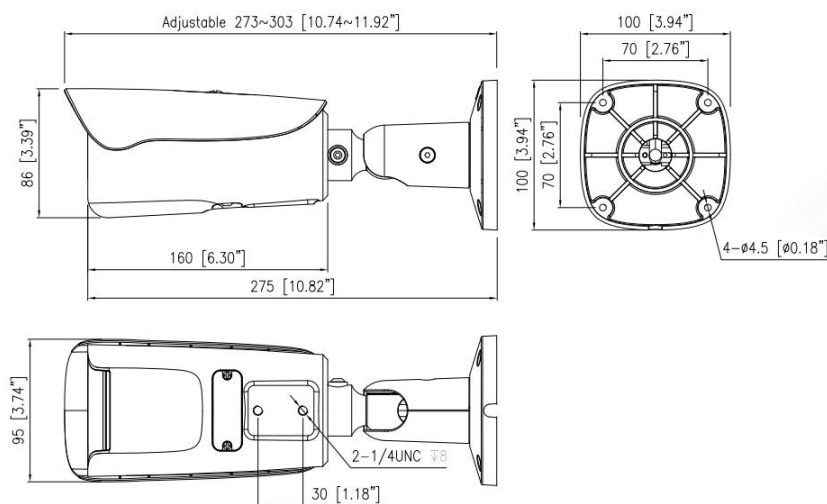
Key Features

- 1/1.8" progressive scan CMOS
- 25/30fps @ 8MP(3840×2160)
- 3.6 to 11 mm motorized lens
- Support 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

IR-V-C8B-120Z

IR-V-C8B-120ZB

Dimensions (mm)

Accessories

JUNCTION BOX
IR-V-BKB-JB02

POLE MOUNT
IR-V-BKB-POL-01

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 G.711, RAW_PCM	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
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
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 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	<IE11, 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
Ingress Protection	IP66
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.)