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" STARVIS™ CMOS
- Max. 8MP (3840×2160) @25/30fps resolution
- 2.8mm fixed lens
- Support face, human, vehicle detection and capture
- Intelligent analysis: intrusion, single line crossing, double line crossing, loitering, wrong-way, people counting
- True WDR, 3D DNR, ROI, Defog, HLC
- Built-in mic,
- Built-in SD card slot
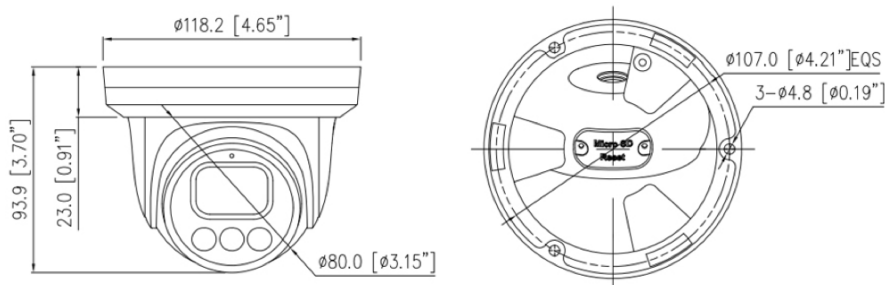- Smart IR distance up to 40 m
- IP66

IR-V-C8T-100

IR-V-C8T-100B

Dimensions (mm)

ø118.2 [4.65"]
93.9 [3.70"]
23.0 [0.91"]
ø80.0 [ø3.15"]

ø107.0 [ø4.21"]EQS
3-ø4.8 [ø0.19"]
Micro SD
Reset

Accessories

JUNCTION BOX IR-V-BKT-JB-01	PENDANT CAP IR-V-BKT-ADT-01	PENDANT MOUNT IR-V-BKX-PEN-01
WALL MOUNT IR-V-BKX-WAL-01	WALL MOUNT IR-V-BKX-WAL-02	POLE MOUNT IR-V-BKP-POL-01
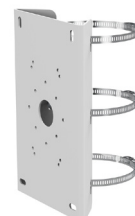
JUNCTION BOX IR-V-BKT-JB-01B	PENDANT CAP IR-V-BKT-ADT-01B	PENDANT MOUNT IR-V-BKX-PEN-01B
WALL MOUNT IR-V-BKX-WAL-01B	WALL MOUNT IR-V-BKX-WAL-02B	

Specification

Camera	
Image Sensor	1/2.7" Progressive Scan CMOS
Max Resolution	8MP (3840×2160)
Electronic Shutter	Auto/Manual, 1/5 to 1/20,000s
Min. Illumination	Color: 0.01 Lux @ (F1.6, AGC ON), B/W: 0 Lux with light on
Day & Night	IR cut filter
Angle Adjustment	Pan: 0˚ to 355˚, Tilt: 0˚ to 85˚, Rotation: 0˚ to 360˚

Lens Type		
Lens Type	Fixed focus	
Iris	Fixed iris	
Focal Length	2.8mm	4mm
F Number	F1.6	F1.6
Angle of View	H: 109.5°, V: 59.8°	H: 91.5°, V: 46.3°

DORI Distance				
Lens	Detect	Observe	Recognize	Identify
2.8mm	84.2 m (276.2 ft)	33.7 m (110.6 ft)	16.8 m (55.1 ft)	8.4 m (27.6 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 Identify) is a standard system (EN-62676-4) for defining the ability of a person viewing the video to distinguish persons or objects within a covered area. The numbers in this table do not reflect intelligent function distances.

Illuminator	
Illuminator Type	IR LED, Warm light
Illumination Distance	IR distance up to 30 m (98.4 ft) Warm light distance up to 30 m (98.4 ft)
Illumination On/Off Control	Auto/Manual

Video	
Streaming Capability	3 Streams
Stream/Frame Rate	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	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 Analytics	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
Basic Events	Disk alarm, Network alarm, Motion detection alarm, Abnormal sound detection

Image	
Image Adjustment	Brightness, Sharpness, Contrast, Saturation adjustable
Aisle Mode	Support
Mirror	Support
White Balance	Auto/Manual
Day/Night Setting	Auto, Day, Night, Time
Noise Reduction	2D/3D DNR
Image Enhanecment	HLC, BLC, Defog
Wide Dynamic Range	True WDR
S/N Ratio	55dB
Privacy Masking	4 Areas

Network	
Protocols	IPv4/IPv6, RTSP/ RTCP/RTP, TCP/UDP, HTTPS, DHCP, DNS, DDNS, PPPoE, UPnP, ICMP, IGMP, FTP, NTP, SMTP, 802.1x, SNMP
Interoperability	ONVIF (profile S/T/G/M), SDK, CGI
Streaming Method	Multicast
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
Built-in Microphone	Support
SD Card Slot	Built-in, up to 1TB
Reset Button	Support

Electrical	
Power Supply	DC12V (-15% to +25%)/PoE (IEEE 802.3af)
Power Communication	2W (IR OFF), Max 3W (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/FCC
Casing	Metal + Plastic
Dimensions	111 × 95 mm (4.37 × 3.74 inch)
Net Weight	0.38 kg (0.84 lb.)