

# RT10L08

## Compact 4MP Bi-spectral Laser PTZ Camera



- 1/1.8" 4Megapixel STARVIS™ Sensor
- 37x optical zoom
- Max. 25/30fps@4MP
- Laser distance up to 800m
- Auto-tracking
- Perimeter Protection
- IP67

### System Overview

The RT10L camera is a compact bi-spectral PTZ system. Integrating a 37x zoom QHD visual module, a laser illuminator and a nimble positioning system, T10L gives operators the ability to monitor large areas in any light condition and adverse weather. Built-in machine learning algorithms of the camera accurately detect and classify human and vehicle threats moving, minimizing false alarms and daily operations costs. The exceptional detection and identification capabilities of Inspector T10L help integrators provide solutions for challenging imaging problems at critical infrastructure sites and remote facilities.

### Functions

#### Human & Vehicle Classification

With a variety of in-house machine learning algorithms supported, the Inspector T10L notifies you of people, vehicles or anomalies to help you identify potential threats.

#### Large Area Coverage

6.5-240mm 37x visible zoom lens with optical defog, Inspector T10L perfectly balances the field of view with maximizing the detection distance.

#### See Clearly in All Light Conditions

1/1.8" 4MP STARVIS sensor, along with 800M laser illuminator, RT10L presents every detail even in full darkness and adverse weather.

#### Easy Maintenance and Operator Comfort

Single IP address for visible, thermal offers easy-to-use experience for every operator.



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### Technical Specification

#### Camera

Image Sensor	1/1.8" STARVIS progressive scan CMOS
Resolution	2688x1520, 4MP
Lens	6.5~240mm, 37x motorized zoom, F1.5~4.8 Field of view: 61.8°x 37.2° (H x V) 1.86°x 1.05° (H x V) Near focus distance: 1~5m Zoom speed: <4s(W~T) Focus modes: Semi-auto/Auto/Manual/One-push
Min. illumination	Color: 0.0005Lux, B/W: 0.0001Lux, AGC&AI-NR ON, F2.8
Electronic Shutter Speed	1/3~1/30000s
Noise Reduction	2D/3D/AI-NR
Image Stabilization	EIS
Day/Night	Auto (ICR)/Manual
White Balance	Auto/Manual/ATW/Indoor/Outdoor/Sodium Lamp/Streetlight/Natural
WDR	120dB
Optical Defog	Auto/Manual
Anti-heatwave	Auto/Manual
Digital Zoom	16x

#### DORI Ratings\*

	Detection	Observation	Recognition	Identification
Human (1.7 x 0.6m)	2053m	814m	410m	205m
Vehicle (1.4 x 4.0m)	4791m	1901m	958m	479m

\* The DORI standard (based on the IEC EN62676-4:2015 international standard) defines different levels of detail for detection (25PPM), observation (62PPM), recognition (125PPM), and Identification (250PPM). This table is for reference only and performance may vary depending on the environment.

#### Laser Illuminator

Pan/Tilt Range	850nm±5nm
Ranging Distance	≥800m
Angle	2.0° ~ 7030°
Angle Control	Manual/Synchronized

#### Pan/Tilt

Pan	Range: 360° continuous rotation Speed: 0.1° ~ 30°/s
Tilt	Range: -90° ~ +90° continuous rotation Speed: 0.1° ~ 15°/s
Positioning Accuracy	±0.1°
Preset	255
Tour	8, Up to 32 presets per tour
Scan	5
Pattern	5
Park	Preset/Tour/Scan/Pattern
Scheduled Task	Preset/Tour/Scan/Pattern
Power-off Memory	Support
Snap Positioning	Support
Proportional P/T to Zoom	Support
Heater/Fan	Optional
Wiper	Integrated, Manual/Scheduled

#### Video & Audio

Video Compression	H.265/H.264/H.264H/MJPEG
Main Stream	25/30fps (2688x1520, 1920x1080, 1280x720) 16fps@MJPEG
Sub Stream	25/30fps (1920x1080, 1280x720, 704x576, 352x288)
Image Encoding	JPEG, 1 ~ 7fps (2688x1520)
OSD	Name, Time, Preset, Temperature, P/T Status, Zoom, Address, GPS, Image overlay, Abnormal info
Audio Compression	AAC (8/16kHz), MP2L2(16kHz)

#### Network

Network Protocols	IPv4, IPv6, HTTP, HTTPS, TCP, UDP, RTSP, RTP, ARP, NTP, FTP, DHCP, PPPoE, DNS, DDNS, UPnP, IGMP, ICMP, SNMP, SMTP, QoS, 802.1x, Bonjour
API	ONVIF (Profile S, Profile G, Profile T), HTTP API, SDK
User	Up to 20 users, 2 level: Administrator, User
Security	User authentication (ID and password), IP/MAC address filtering, HTTPS encryption, IEEE 802.1x network access control
Web Browser	IE, EDGE, Firefox, Chrome
Web Languages	English/Chinese
Storage	MicroSD/SDHC/SDXC card (Up to 1Tb) edge storage, FTP, NAS

#### Analytics

Perimeter Protection	Line crossing, Fence crossing, Intrusion
Target Distinction	Human/Vehicle Classification
Behavioral Detection	Object left in area, Object removal, Fast moving, Gathering, Loitering, Parking
Events Detection	Motion, Masking, Scene change, Audio detection, SD card error, Network disconnection, IP conflict, Illegal network access
Fire Detection	Support
Smoke Detection	Support
Strong Light Protection	Support
Auto Tracking	Multiple detection tracking modes

#### Interface

Alarm Input	1-ch
Alarm Output	1-ch
Audio Input	1-ch
Audio Output	1-ch
Ethernet	1-ch RJ45 10/100M
RJ485	1-ch

Casing	IP67
Power	24VDC, max 50W, DC24V/3.1A Power adapter included Military-grade aviation port TVS 6000V, Surge protection, Voltage transient protection
Operating Conditions	Temperature: -40°C~+65°C / -40°F~149°F Humidity: <90%
Dimensions	332 x 245 x 276mm (W×H×L)
Weight	7.5Kg

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## Dimensions (mm)

