



The Inspector T10L is a compact PTZ system integrates a 32x zoom 5MP visual module with a 500M laser illuminator and a nimble positioning system, T10L gives operators the ability to monitor wide areas in any light conditions. 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.

## Features

### 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

4.7-150mm 32x visible zoom lens, Inspector T10 perfectly balances the field of view with maximizing the detection distance.

### See Clearly in All Light Conditions

1/2.8" 5MP Starvis 2 sensor, along with 500M laser illuminator, T10 presents every detail even in full darkness and adverse weather.

### Agile Positioning

A fast & precise positioning system with auto-tracking capability offers a hand-following control experience for every operator.

# Technical Specs

| Visible Camera   |   |             |             |                |
|--|---|-------------|-------------|----------------|
| Image Sensor   | 1/2.8" STARVIS progressive scan CMOS  |             |             |                |
| Resolution   | 2560 x 1920, 5MP  |             |             |                |
| Lens   | 4.7 - 150mm, 32x motorized zoom, F1.6 - F4.3<br>Field of view:57.1°x 44.4°(H x V)-1.96°x 1.47°(H x V)<br>Near focus distance: 1-5m<br>Zoom speed: <3.5s(W-T)<br>Focus modes: Semi-auto/Auto/Manual/One-push |             |             |                |
| Min. illumination  | Color: 0.0005Lux, B/W: 0.0001Lux, AGC ON, F1.6  |             |             |                |
| Electronic Shutter Speed   | 1/3-1/30000s  |             |             |                |
| Noise Reduction  | 2D/3D/AI-ISP  |             |             |                |
| 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   |             |             |                |
| <b>DORI Ratings*</b>   | Detection   | Observation | Recognition | Identification |
|  | 3000m   | 1190m       | 600m        | 300m           |
| <small>*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.</small> |   |             |             |                |
| Laser Illuminator  |   |             |             |                |
| Wavelength   | 850nm±5nm   |             |             |                |
| Ranging distance   | ≥ 500m  |             |             |                |
| Angle  | 2° -52°   |             |             |                |
| Angle Control  | Manual/Synchronized   |             |             |                |
| Pan/Tilt   |   |             |             |                |
| Pan  | Range: 360° continuous rotation<br>Speed: 0°-100°/s   |             |             |                |
| Tilt   | Range: -90° to +90°<br>Speed: 0°-60°/s  |             |             |                |
| Positioning Accuracy   | ± 0.1°  |             |             |                |
| Preset   | 256   |             |             |                |
| Tour   | 8, Up to 32 presets per tour  |             |             |                |
| Scan   | 5   |             |             |                |
| Pattern  | 5   |             |             |                |
| Park   | Preset/Tour/Scan/Pattern  |             |             |                |
| Scheduled Task   | Preset/Tour/Scan/Pattern  |             |             |                |

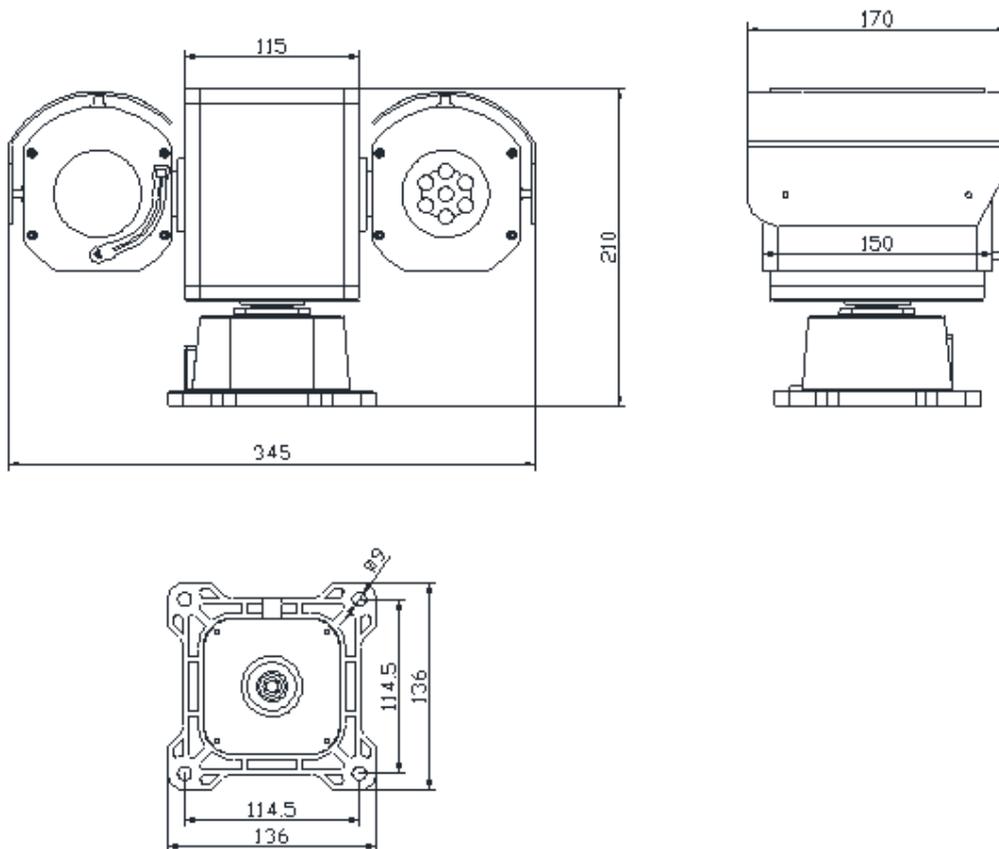
|                          |   |
|--------------------------|---|
| Power-off Memory         | Support   |
| Snap Positioning         | Support   |
| Proportional P/T to Zoom | Support   |
| Heater/Fan               | Auto  |
| Wiper                    | Integrated, Manual/Scheduled  |
| <b>Video and Audio</b>   |   |
| Video Compression        | H.265/H.264/H.264H/ H.264B/MJPEG  |
| Main Stream              | 25/30fps (2560 x 1920, 1920 x 1080, 1280 x 720), 16fps@MJPEG  |
| Sub Stream               | 25/30fps (1920 x 1080, 1280 x 720, 704 x 576, 352 x 288)  |
| Image Encoding           | JPEG, 1~7fps (2560 x 1920)  |
| OSD                      | Name, Time, Preset, Temperature, P/T Status, Zoom, Address, GPS, Image overlay, Abnormal info   |
| Audio Compression        | AAC (8/16kHz), MP2L2(16kHz)   |
| <b>Network</b>           |   |
| Network Protocols        | IPv4, IPv6, HTTP, HTTPS, TCP, UDP, RTSP, RTCP, 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   |
| <b>Analytics</b>         |   |
| 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                     |
| Auto Tracking            | Multiple detection tracking modes   |
| <b>Interface</b>         |   |
| Alarm Input              | 1-ch  |
| Alarm Output             | 1-ch  |
| Audio Input              | 1-ch  |
| Audio Output             | 1-ch  |
| Ethernet                 | 1-ch RJ45 10M/100M  |
| RJ485                    | 1-ch  |
| <b>General</b>           |   |
| Casing                   | IP 67   |
| Power                    | DC24V ± 25%, max 40W (Customizable low power consumption)<br>Military-grade aviation port   |

|                      |   |
|----------------------|---|
|                      | TVS 6000V, Surge protection, Voltage transient protection |
| Operating Conditions | Temperature: -40°C to +65°C/-40°F-149°F, Humidity: <90%   |
| Dimensions           | 345*210*170mm (WxHxL)                                     |
| Weight               | 3.5kg   |

# Ordering Information

| Model No.             | Description                                 |
|-----------------------|---|
| VS-PTZ5032YIE-L05-T10 | 5MP 32x Compact Laser IR Positioning Camera |

# Dimensions



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