



The Inspector T20 camera is a bispectral PTZ system. Integrating a 37x zoom QHD visual module, a laser illuminator and a nimble positioning system, T20 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 T20 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 T20 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 T20 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/1500M laser illuminator, T20 presents every detail even in full darkness and adverse weather.

Small Package with Big Punch

A fast & precise positioning system with auto-tracking capability, all packed in a small form factor, offers a hand-following control experience for every operator.

Technical Specs

Visible Camera				
Image Sensor	1/1.8" STARVIS progressive scan CMOS			
Resolution	2688 x 1520, 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 ON, F1.5			
Electronic Shutter Speed	1/3-1/30000s			
Noise Reduction	2D/3D			
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
	3310m	1314m	662m	331m
*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				
Wavelength	808nm±5nm			
Ranging distance	≥ 800m/1500m optional			
Angle	-L15: 0.8° -70° -L08: 2° -60°			
Angle Control	Manual/Synchronized			
Pan/Tilt				
Pan	Range: 360° continuous rotation Speed: 0.1°- 30°/s			
Tilt	Range: -90° to +90° 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			

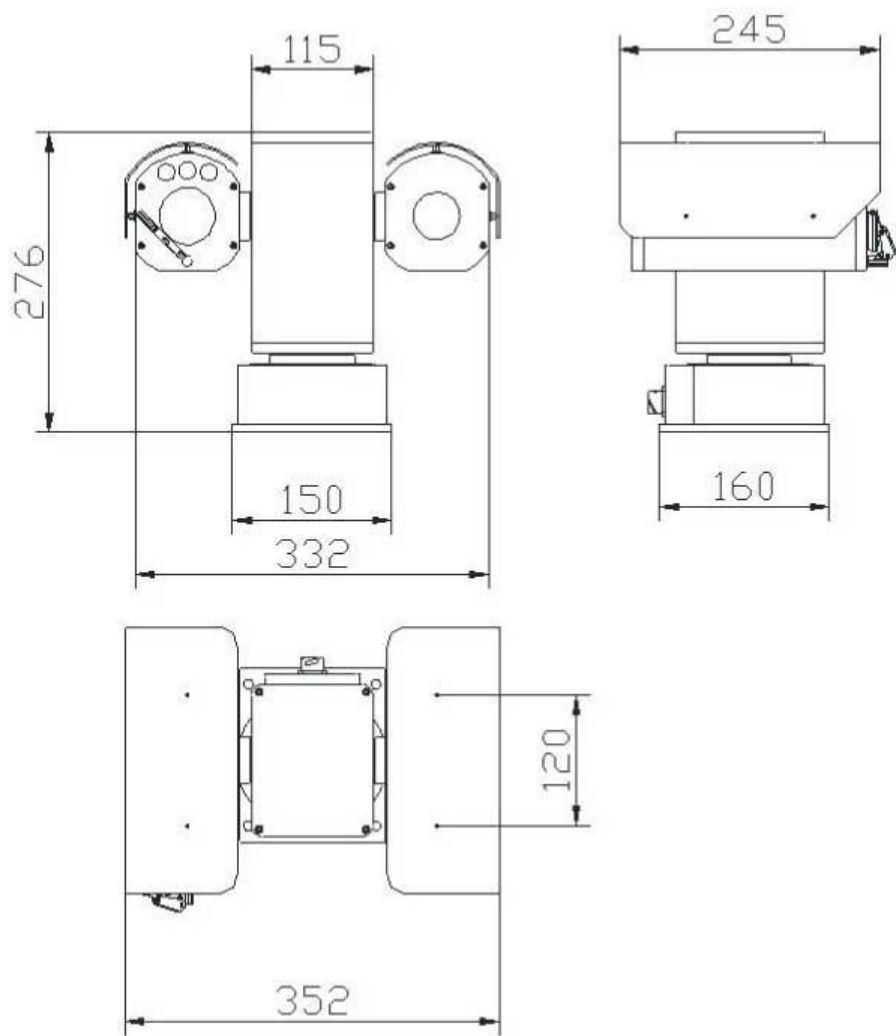
Scheduled Task	Preset/Tour/Scan/Pattern
Power-off Memory	Support
Snap Positioning	Support
Proportional P/T to Zoom	Support
Heater/Fan	Optional
Wiper	Integrated, Manual/Scheduled
Video and Audio	
Video Compression	H.265/H.264/H.264H/ H.264B/MJPEG
Main Stream	25/30fps (2688 x 1520, 1920 x 1080, 1280 x 720), 16fps@MJPEG
Sub Stream	25/30fps (1920 x 1080, 1280 x 720, 704 x 576, 352 x 288)
Image Encoding	JPEG, 1-7fps (2688 x 1520)
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, 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
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
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 10M/100M
RJ485	1-ch
General	
Casing	IP 67
Power	24V DC, max 50W, DC24V/3.1A Power adapter included

	Military-grade aviation port TVS 6000V, Surge protection, Voltage transient protection
Operating Conditions	Temperature: -40℃ to +65℃/-40°F-149°F, Humidity: <90%
Dimensions	332*245*276mm (W×H×L)
Weight	7.5kg

Ordering Information

Model No.	Description
VS-PTZ4037KI-L15-T20	4MP 37x Mid-range Laser IR Positioning Camera
VS-PTZ4037KI-L08-T20	4MP 37x Mid-range Laser IR Positioning Camera

Dimensions



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