



Inspector V10 Thermal PTZ camera integrates a 35x zoom 5MP visual module and thermal module, gives operators the ability to monitor large areas in any light condition and adverse weather. Built-in machine learning algorithms accurately detect and classify human and vehicle threats moving, minimizing false alarms and daily operations costs. The exceptional detection capabilities and the flexibility of installation, Inspector V10 helps integrators provide solutions for various special applications.

Features

Human & Vehicle Classification

With a variety of in-house machine learning algorithms supported, the Inspector V10 notifies you of people, vehicles or anomalies to help you identify potential threats.

Large Area Coverage

4.8-168mm 35x visible zoom lens with Optical Defog, V10 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 high-end Vox uncooled FPA detector, V10 presents every detail even in full darkness and adverse weather.

Excellent Compatibility

Compatible with the standard Onvif protocol, V10 is perfectly accessible by the most popular VMS on the market.

Technical Specs

Visible Camera				
Image Sensor	1/2.8" STARVIS progressive scan CMOS			
Resolution	2560 x 1920, 5MP			
Lens	4.8 - 168mm, 35x motorized zoom, F1.6 - F4.4 Field of view:56.1°x 43.6(H x V)-1.75°x 1.31°(H x V) Near focus distance: 1-5m Zoom speed: <3.5s(W-T) 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			
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
	3360m	1333m	672m	336m

*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.

Thermal Camera				
Imager	Un-cooled FPA Vanadium Oxide microbolometer Pixel pitch: 12µm Spectral range: 8-14µm Sensitivity (NETD): <50mK			
Resolution	384 x 288, VGA			
Lens	5.3mm, athermalized lens, F/1.2 Field of view: 50°x37.5° (H x V)			
Focus Modes	Semi-auto/Manual/One-push			
Color Modes	White hot, Black hot, Fusion, Rainbow, etc. 20 user-selectable			
Image Stabilization	EIS(Electronic)			
Digital Zoom	8x			
DRI Ratings*	Detection	Recognition	Identification	
	Human (1.7 x 0.6m)	221m	55m	28m
Vehicle (1.4 x 4.0m)	677m	169m	85m	

*The DRI distances are calculated according to Johnson criteria: detection(1.5 or more pixels), recognition(6 or more pixels), identification(12 or more pixels). This table is for reference only and performance may vary depending on the environment.

Pan/Tilt

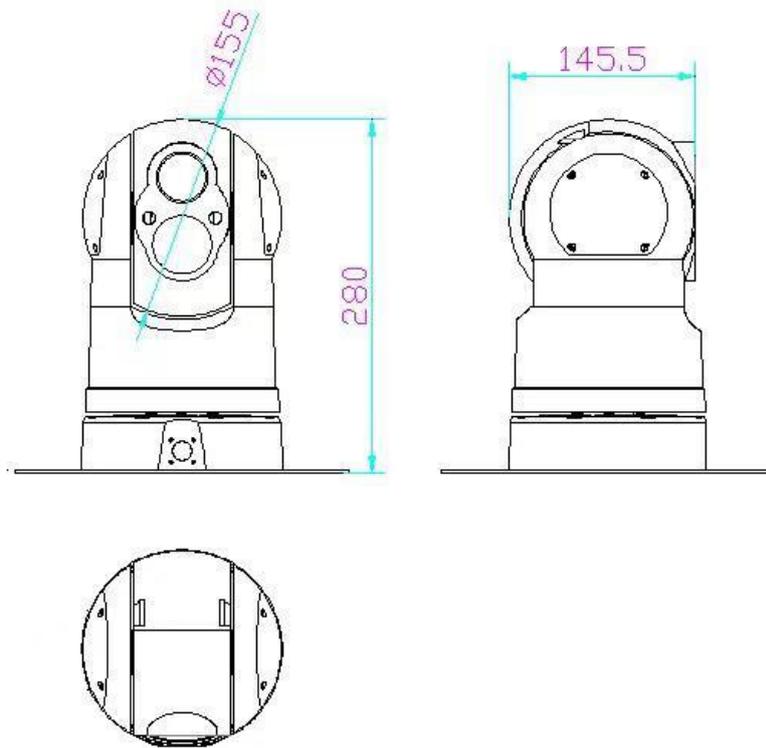
Pan	Range: 360° continuous rotation Speed: 0°- 60°/s
Tilt	Range: -20° to +90° Speed: 0°-40°/s
Preset	128
Tour	8, Up to 32 presets per tour
Scan	5
Pattern	5
Park	Preset/Tour/Scan/Pattern
Scheduled Task	Preset/Tour/Scan/Pattern
Power-off Memory	Support
Proportional P/T to Zoom	Support
Video and Audio	
Video Compression	H.265/H.264/H.264H/ H.264B/MJPEG
Main Stream	Visible: 50/60fps (2688 x 1520, 1920 x 1080, 1280 x 720), 16fps@MJPEG Thermal: 25fps (1280 x 1024, 1280 x 720)
Sub Stream	Visible: 25/30fps (1920 x 1080, 1280 x 720, 704 x 576, 352 x 288) Thermal: 25fps (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/Vessel 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
General	
Casing	IP 67
Power	12V DC, typical 19W, max 22W, AC24V/3A Power adapter included TVS 6000V, Surge protection, Voltage transient protection
Operating Conditions	Temperature: -30°C to +60°C/22°F-140°F, Humidity: <90%
Dimensions	Φ 280*155mm
Weight	5kg

Ordering Information

Model No.	Description
VS-PTZ5035YCE-RV305-V10	5MP 35x Compact Bispectral Thermal Mobile PTZ Camera

Dimensions



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