

# SG150VDT

640 x 480, Uncooled Thermal



## Key Features

### Dual Sensor

Uncooled Thermal Technology

Dual-FOV, Thermal: 31-155mm,

640x480 Resolution, 17μm

Visible Lens: 8-320mm

5th generation vox Detector, 45MK NETD, higher sensitivity, better video quality, less affect by fog, rain, and snow.

Support intelligent functions such as cross-border/intrusion detection and target tracking to realize unmanned duty



## Specifications

## IP Thermal Camera

Model	SG150VDT
Detection	Vehicle: 10km; Human: 4.8km
Identification	Vehicle: 3.4km; Human: 1.3km
Fire Detection	6km (2m*2m fire spot)
Thermal Sensor	VOx uncooled detector, 7.5um-14um spectral response, 45mk NETD
Thermal lens	640*512 resolution
Optical Zoom	31mm~155mm
Enhancement	5X continuous zoom
	64X digital zoom
	1. Image enhancement: SDE digital image enhancement technology to enhance image details 2. Pseudo-color polarity: 16 kinds of pseudo-color images, hot black / hot white two polarities 3. Electronic zoom: 2x, 4x, support global synchronous display
Fire Detection	1. Protection from strong light, Sunburn protection 2. Temperature correction: a thermalization design, the image sharpness is not affected by temperature
	1. Intrusion detection; 2. Support Auto Track (together with software)
	1. Adjustable monitoring area, auto detection of target size 3.1-16 alarm targets, auto selection of the most obvious one 2. Screen display and audible alarm, multiple alarm modes, the alarm is intuitive and easy to read 3. Optimized front-end fast processing algorithm, based on the analysis of the original heat map data per frame, alarm response 0.1S, no delay, no information loss
Visible Camera	4. Secondary development: provide free SDK, easy to use or convenient for secondary development
	5. Fire alarm system can realize fire alarm software, it can realize automatic control scanning, automatic processing of alert information, alarm recordings, automatic calculation of fire location, GIS map information display, weather data access, hierarchical management, fire trend prediction, fire fighting strategy suggestion, and other specialized functions
Visible Camera lens	1/1.8" CMOS
	0.0002lux super high sensitive color to B/W CCD
Housing	2 megapixels, 1920X1080
	H.264/MPEG4/MIPEG
PTZ	8~320mm
	40X zoom, Auto focus
Interface	Material: High strength aluminum alloy shell, waterproof seal.
	PTA three-resistance coating, Seawater corrosion resistance
Video format	Built-in thermostat, design of thermal equilibrium
	Interface: Aviation waterproof plug
Power supply	Load: 30kg or 50kg for option
	Range: Pan: 0°~360°, Tilt: +45°~-45°
Environment	Speed: Pan: 0.01~30°/S, Tilt: 0.01~15°/S
	Preset: 255, with Petrol/scan function, Azimuth real-time display
	RI45 Interface
	TCP/IP、HTTP、DHCP、DNS、DDNS、RTP ect. Onvif-2
	Pelco-P、Pelco-D、Baudrate 2400、4800、9600、19200 optional
	1. Operating temperature: -25℃~+60℃ (-40℃ optional); Storage temperature: -35℃~+65℃
	2. Humidity: <90%
	3. Anti-lighting: built-in auto Fuse-protected device, Power 4000V, Signal 2000V
	4. Ingress protection: IP66