

SG150VDT

640 x 512, Uncooled Thermal



Key Features

Dual Sensor

Uncooled Thermal Technology

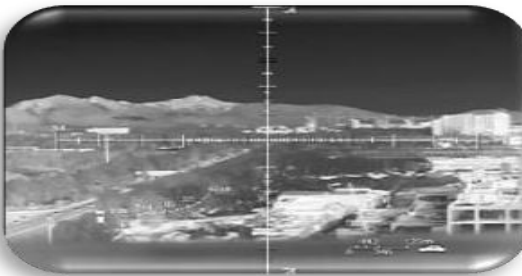
Dual-FOV, Thermal: 31-155mm,

640x512 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)
Visible Camera	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 4. Secondary development: provide free SDK, easy to use or convenient for secondary development 5. Fire alarm software can enhance 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
	1/1.8" CMOS
	0.0002lux super high sensitive color to B/W CCD
	2 megapixels,1920X1080
	H.264/MPEG4/MJPEG
Visible Camera lens	8~320mm
Housing	40X zoom, Auto focus
PTZ	Material: High strength aluminum alloy shell, waterproof seal.
	PTA three-resistance coating, Seawater corrosion resistance
	Built-in thermostat, design of thermal equilibrium
	Interface: Aviation waterproof plug
Interface	Load: 30kg or 50kg for option
	Range: Pan: 0~360°, Tilt: +45°~-45°
	Speed: Pan: 0.01~30°/S, Tilt: 0.01~15°/S
Video format	Preset: 255, with Petrol/scan function, Azimuth real-time display
	RJ45 Interface
Power supply	H.264, Dual video output
	TCP/IP、HTTP、DHCP、DNS、DDNS、RTP etc. Onvif-2
	Pelco-P、Pelco-D, Baudrate 2400、4800、9600、19200 optional
Environment	AC24V/DC24V±10%, 50Hz, 150W, Standard AC220V->AC240V
	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

SG19T500D

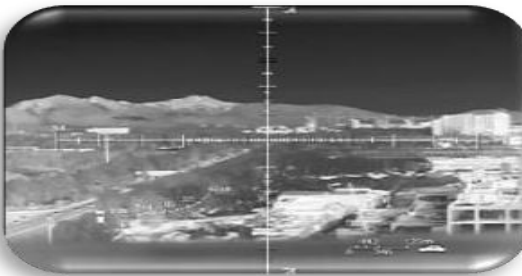
640 x 512, Uncooled Thermal



Key Features

Tri Sensor
Uncooled Thermal Technology
Dual-FOV, Thermal: 38-190mm,
640x512 Resolution, 14μm
Visible Lens: 8-500mm
5th generation Vox Detector, 40MK 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
enhance unmanned duty



Specifications

IP Thermal Camera

Model	SG19T500D
Recognition	Boat: 11kms (Alarm and Tracking distance)
Thermal Camera System	
Detector	Uncooled VOX sensor, 8~14μm, LWIR, Pixel Size: 12μm, NETd: 40mk
Resolution	640*512 resolution
Image Enhancement	SDE digital image enhancement technology, Range Ruler 16 kinds of pseudo-color images, hot black/hot white, AGC
Pseudo-color polarity	
Digital Zoom	1X~8X continuous digital zoom
Strong light protection	Support Anti-Sun damage
Focal length	38mm~190m, 5X Optical zoom, auto focus. FOV: 11.5°x9.2°~2.3°x1.9°
Daylight Camera System	
Focal Length	8~500mm
Zoom	62X zoom, auto focus
Sensor	2 Mega Pixel Full HD, Ultra-low illumination starlight CMOS
Low Illumination	Color: 0.005lux/Black and White: 0.0001lux
Image process	Glare suppression, 3D digital noise reduction, WDR, Defog
Laser Illumination	
Consumption	15W 810nm military NIR
Laser Angle	0.5~20°
Video/Audio	
Video encoding	H.265/H.264/MJPEG, multi-stream support
Video rate	32Kbps~16Mbps
Audio encoding	G.711A/ G.711U/G726
OSD settings:	Support OSD Channel Name, Time, FOV, focal length
Intelligent Function	
Intelligent Analysis	Fire Detection, Intrusion Detection, Entering/Leaving Area Detection
Intelligent fusion	Enabled
Strong Light Protection	Support, anti sunburn
Day and night cruise	Day and night group cruise in different preset groups
Housing	Aluminum alloy shell. PTA three-resistance coating, Seawater corrosion resistance
Special Design	Built-in thermostat, design of thermal equilibrium
Interface	Aviation waterproof plug
PTZ	
Load capacity	50kg
Rotation	Pan: 0~360°, Tilt: +45°~-45°
Speed	Speed : Pan: 0.01~30°/S, Tilt: 0.01~15°/S
Preset	Preset: 255, with Petrol/Scan function
Interface	RJ45 Interface
Video format	H.264, Dual video output
Protocol	TCP/IP, RTP etc. ONVIF-2, Pelco-D, Pelco-P
Power supply	AC24V/DC24V±10%, 50Hz, 150W, Standard AC220V->AC24V
Environment	Operating temperature : -25°C~+60°C
	Humidity : <90%
	Anti-lighting : built-in auto Fuse-protected device, Power 4000V, Signal 2000V
	Ingress protection : IP67

SG30T800D

640 x 512, Uncooled Thermal



Key Features

Dual Sensor

Uncooled Thermal Technology

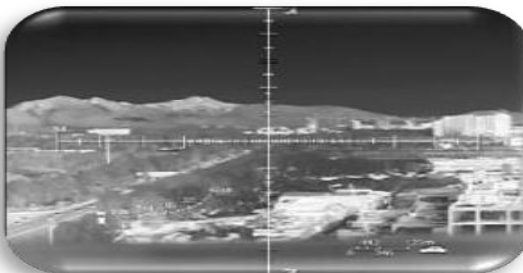
Dual-FOV, Thermal: 38-190mm,

640x512 Resolution, 14μm

Visible Lens: 8-500mm

5th generation Vox Detector, 40MK 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 enhance unmanned duty



Specifications

IP Thermal Camera

Model	SG30T800D
Recognition	Boat: 20kms (Alarm and Tracking distance)
Thermal Camera System	
Detector	Uncooled VOX sensor, 8~14μm, LWIR, Pixel Size: 12μm, NETd: 40mk
Resolution	640*512 resolution
Image Enhancement	SDE digital image enhancement technology, Range Ruler
Pseudo-color polarity	16 kinds of pseudo-color images, hot black/hot white, AGC
Digital Zoom	1X~8X continuous digital zoom
Strong light protection	Support Anti-Sun damage
Focal length	30mm~300m, 10X Optical zoom, auto focus. FOV: 14.6°*11.7°~1.5°*1.2°
Daylight Camera System	
Focal Length	11~800mm
Zoom	73X zoom, auto focus
Sensor	2 Mega Pixel Full HD, Ultra-low illumination starlight CMOS
Low Illumination	Color: 0.005lux/Black and White: 0.0001lux
Image process	Glare suppression, 3D digital noise reduction, WDR, Defog
Video/Audio	
Video encoding	H.265/H.264/MJPEG, multi-stream support
Video rate	32Kbps~16Mbps
Audio encoding	G.711A/ G.711U/G726
OSD settings:	Support OSD Channel Name, Time, FOV, focal length
Intelligent Function	
Intelligent Analysis	Fire Detection, Intrusion Detection, Entering/Leaving Area Detection
Intelligent fusion	Enabled
Strong Light Protection	Support, anti sunburn
Day and night cruise	Day and night group cruise in different preset groups
Housing	Aluminum alloy shell. PTA three-resistance coating, Seawater corrosion resistance
Special Design	Built-in thermostat, design of thermal equilibrium
Interface	Aviation waterproof plug
PTZ	
Load capacity	50kg
Rotation	Pan: 0~360°, Tilt: +45°~-45°
Speed	Speed : Pan: 0.01~30°/S, Tilt: 0.01~15°/S
Preset	Preset: 255, with Petrol/scan function
Interface	RJ45 Interface
Video format	H.264, Dual video output
Protocol	TCP/IP, RTP etc. ONVIF-2, Pelco-D, Pelco-P
Power supply	AC24V/DC24V±10%, 50Hz, 150W, Standard AC220V->AC24V
Environment	Operating temperature : -25°C~+60°C
	Humidity : <90%
	Anti-lighting : built-in auto Fuse-protected device, Power 4000V, Signal 2000V
	Ingress protection : IP67

SG30T800D

640 x 512, Cooled MCT Thermal



Key Features

Dual Sensor

Cooled Thermal Technology

Dual-FOV, Thermal: 90-1100mm, 10x Optical zoom

640x512 Resolution, 4.8μm ,

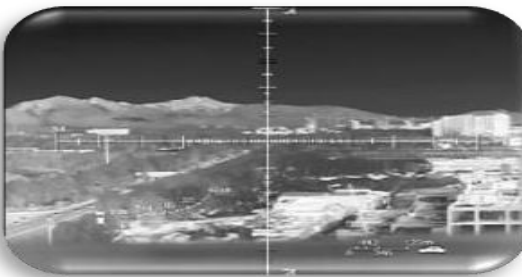
Higher Sensitivity

Noise Equivalent Temperature Difference 20MK

Visible Lens: 12-1000mm

FPA MCT(Focal Plane Array, Mercury-Cadmium-Telluride) Detector for Long Range Distance

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



Specifications

IP Thermal Camera

Model	SG1KCT1KD
Recognition	Boat: 40KM (Alarm and Tracking Distance)
Thermal Camera System	
Detector	FPA MCT detector, Spectral Range: 3.7~4.8μm, NETd: 20MK
Cooling	Stirling cryocooler
Resolution	640*512, Pixel Size: 15μm*15μm
Lens / FOV	90mm – 1100mm 6.1°x4.9°~0.5°x0.4°
Image process	1. Starting time ≤ 8min @20°C
	2. Image enhancement: SDE digital image enhancement technology to enhance image details
	3. Pseudo-color polarity: 16 kinds of pseudo-color images, hot black / hot white two polarities
	4. Electronic zoom: 2x, 4x, 8x, support global synchronous display
	5. NUC correction: automatic / manual correction, background correction
Enhancement	Protection from strong light, Sunburn protection
Intelligent Analysis	Intrusion Detection, Auto Track
Daylight Camera System	
Visible camera sensor	2MP Full HD, 1/1.8" CMOS
	0.0002lux super high sensitive color to B/W CCD
	H.264/MPEG4, Automatic ICR switch, 32Kbps~16Mbps
Visible camera lens	12~ 1000mm lens, 83X zoom, auto focus
PTZ structure	1.Wind resistance: spherical, multi-dimensional free-form surface shape, small wind resistance, strong anti-shake, anti-33m/s strong wind. Upper & Lower Split Design
Rotation	Pan: 0°~360°, Tilt: +45°~-45°
Speed	Pan speed: 0.01°~80°/s 2. Tilt speed: 0.01°~60°/s
Patrol and Scan	Preset: 255, Path scanning: Preset point cruise, day & night cruise, line sweep, etc.
Protocol	1.TCP / IP, HTTP, DHCP, DNS, DDNS, RTP and other network protocols
	2. Support ONVIF2.0
	3. Pelco-P, Pelco-D and other industry-standard protocol, baud rate 2400,4800,9600,19200
Power supply	AC90V~305V to DC48V Turntable rotation power can be controlled in 120W Maximum power consumption 180W
Environmental Indicators	1. Working temperature: -40 °C ~ + 60 °C
	2. Storage temperature: -45 °C ~ + 70 °C
	3. Humidity: <90%
	4. Protection: IP66