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THERMAL CAMERA



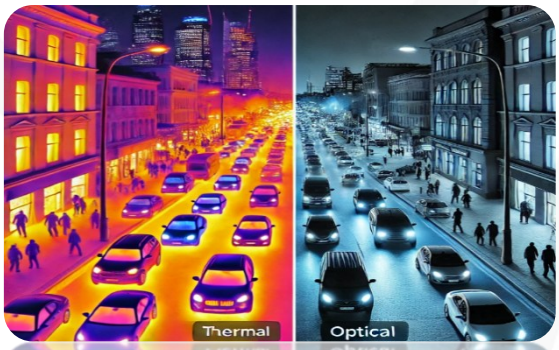
Long Range Thermal PTZ

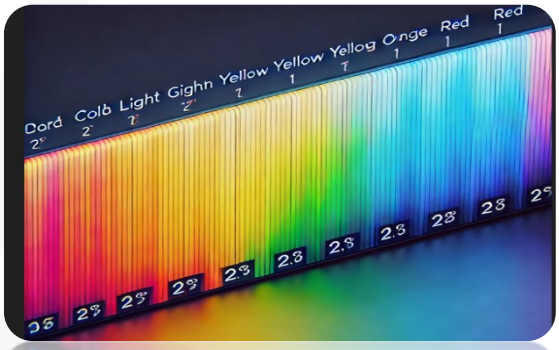
- Supports optical and thermal bi-spectrum image
- Thermal Resolution 640×512
- 3KM detection range.
- A variety of user defined automatic configuration mode to meet various detect situation requirements.
- Sturdy Design to Stand Against Strong winds
- Integrated professional shield, all-weather design, high protection level, IP66.
- Support ONVIF standard.
- Suitable for Airport surveillance, Border control, Critical infrastructure surveillance etc.,

V1.5

Thermal Optical Image

A thermal optical image is a false-color image produced by a thermal camera, which detects infrared radiation (heat) emitted by objects and converts this data into an image where different temperatures are shown in different colors or shades.



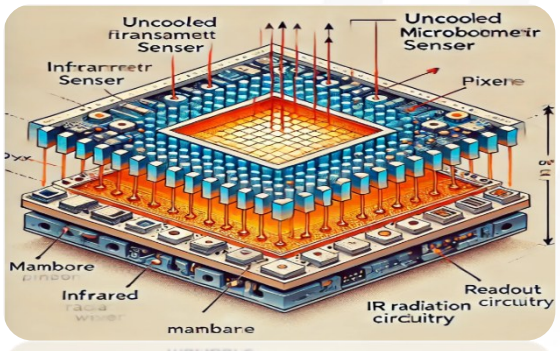


Color Palette

A thermal color palette is a mapping of temperature values to colors, allowing users to easily interpret heat distribution in a scene. Since thermal cameras detect infrared radiation (not visible light), the colors are artificially assigned this is called false color imaging.

Uncooled Micro- Bolometer

An uncooled micro-bolometer is a type of infrared detector used in many thermal cameras to sense heat (infrared radiation) without the need for cooling. It converts infrared radiation into electrical signals, which are then used to create a thermal image.



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Technical Specifications:

Specifications	SC-IT1620-H
Thermal Detector	
Type	Uncooled Vanadium Oxide (VOX)
Array size	640X512
Pixel pich	17 μm
NETD	≤40mK@f/1,300K
Frame rate	50 Hz
Spectral Range	8~14μm
Lens	
Focal Length	30~150mm
Lens Type	Optical Continuous zoom lens
Brightness/Gain	Auto brightness/gain
Polarity	14 pseudo-colors such as black heat/white heat/iron red/rainbow etc.
Digital Zoom	16X
DNR	2D/3D noise reduction
Visible Camera	
Resolution	1920x1080
Sensor	1/1.8''CMOS Progressive Scan image Sensor
Video Compression	H.264/ MJPEG
Lens	10~945mm
Illumination	color:0.002Lux@(F1.4, AGC ON), black/white:0.001Lux@(F1.4, AGC ON)
Focus	Auto/ manual
Anti-Fog	Support
WDR	Support
Network Protocol	TCP/IP, IPv4, IPv6, ONVIF, PSIA, CGI, HTTP, FTP, RTSP, DNS, NTP, RTP, TCP, UDP, IGMP, ICMP, ARP
Security Features	Authorized usernames and passwords, MAC address binding; IEEE 802.1x network access control, IP address filtering.
Image Stabilization	Support
Laser (Optional)	
Laser Light Source	18W, 808nm±nm
Distance	3km
Laser Angle	Motorized Zoom adjustable from 0.3° to 50°
PTZ	
Horizontal rotation angle	0～360° Continuous rotation
Vertical rotation angle	-60°～+60°
Horizontal rotation speed	0.01°～30°/S
Vertical rotation speed	0.01°～15°/S
Number of PTZ Preset	200
Number of Automatic scanning	1
Auto tour	Yes, 6 Tour
Auto home	Support

Material	
Material	Aluminum alloy
Sun Shield	Support
General	
Dimension	Length, Width and height: 505mm×395mm×245mm
Protection grade	IP66
Weight	35kg
Working temp	-20°C～60°C
Storage temp	-40°C～70°C
System interface	
Video	1 RJ45 10M/100M Ethernet port
Power	AC 24V±10%
Power Dissipation	<200W (with Heater)
Certification	CE, FCC, BIS

*Product specifications & appearance are subject to change without prior notice or obligation.

भारत का अपना CCTV