sparsh cctv

THERMAL CAMERA

Dual Sensor IP Thermal Camera

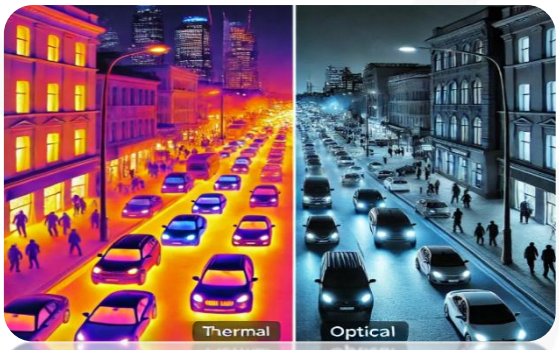


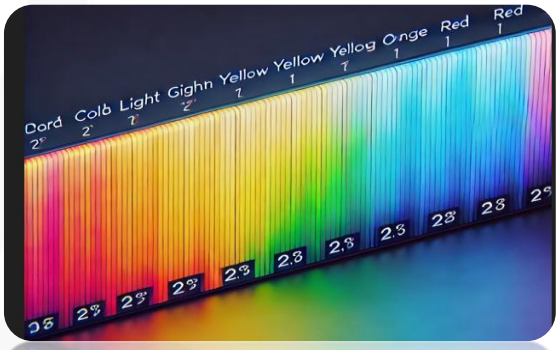
- Leverages real time thermal image to measure temperature.
- Can measure body surface temperature of multiple people from large Distance
- Accurate temperature measurement
- Alarms when someone has high temperature
- Support P.I.P and dual light fusion
- IP66 compliant
- Support PoE

Rev 1.5

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.



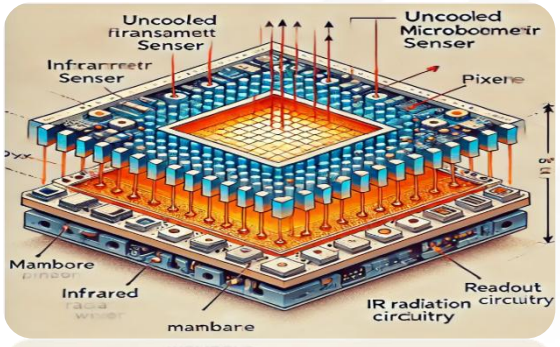


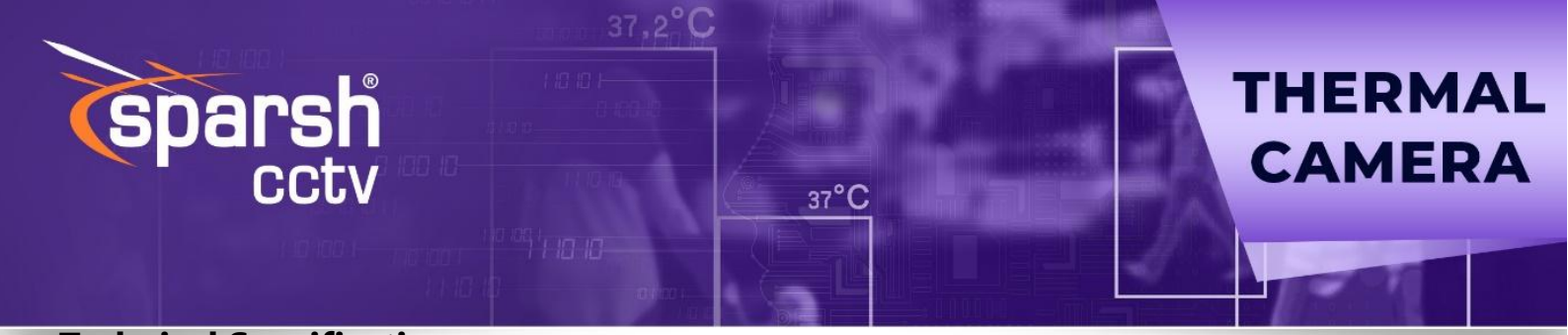
Color Palette

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.





Technical Specifications:

Specifications	SC-IT6420-HB V2		
	256	384	640
Infrared			
Image Sensor	Vanadium Oxide Uncooled Focal Plane Microthermal		
Max. Resolution	256x192	384x288	640x512
NETD	≤0.05℃ @ F1.0, 300K	≤0.04℃ @ F1.0, 300K	≤0.04℃ @ F1.0, 300K
Spectral Response	8μm to 14μm		
Pixel Pitch	13 to 17μm		
Lens	3.2mm (Optional: 6mm)	7.5mm (Optional: 13mm)	13mm (Optional: 19mm, 35mm, 60mm)
Field of View	3.2mm: 50^0x38^0; 6mm: 29.8x22.3^0	7.5mm: 49.8^0x37.4^0; 13mm: 28.8^0x21.6^0	13mm: 48^0x36^0; 19mm: 36^0x25^0 35mm: 23^0x15^0 60mm: 10^0x5^0
Focusing Mode	Fixed Athermalized, waterproof design, hard carbon film		
Thermal Detection Range	13mm: 150mtr, 19mm: 250mtr, 35mm: 300mtr, 60mm: 550mtr		
Visible Light			
CMOS	1/2.8"		
Resolution	1920x1080@25/30fps		
Streaming	Dual Stream		
Lens	4mm (Optional: 6mm)		
Light Range	30Mtr.		
Temperature Measurement			
Measurement Range	First Gear: -20°C to 180°C, Second Gear: 0°C -650°C		
Measurement Accuracy	±2°C or ±2% (whichever is maximum)		
Measurement Mode	10 movable points, 10 movable areas, 3 movable lines		
Emissivity correction	Highest and lowest temperature capture, average temperature measurement, Support irregular box drawing		
Temperature Units	0.01 to 1.0 emissivity adjustable		
Temperature Correction	°C/°F		
Frame Rate	Distance temperature correction, linear temperature correction		
Alarm			
Alarm function	High temp alarm, Low temp alarm		
Alarm Action	Alarm linkage buzzer, Alarm linkage light		
Alarm I/O	1In/ 1 Out		
Feature			
Video Compression	H.264		
Image adjustment	Brightness, Gain, DDE, Filtering		
Digital Zoom	16X		
Correction function	Manual/ Auto after power on; Regular correction after normal operation		
Flip	On/Off		

Mirror	On/Off
P.I.P	On/Off
Visible Light Color Overlay	Support
Dual Light Fusion	On/Off
Color Palette	14 Psuedo-color codes such as White Hot, Black Hot, Iron Red, Rainbow etc.
OSD	Support
Network	
Protocol	TCP/ IP, RTSP, NTP, HTTP, HTTPS, DHCP, FTP
Security	HTTPS(SSL) login authentication, categorized login authentication, IP address filtering, user access logs, 802.1X authentication methods
System Compatibility	ONVIF (Profile S), RTSP
Accessibility	Client Software, Web Server
Temperature Output	SDK output, TCP protocol output
Interface	
Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port
Switching I/O	1Input/ 1Output
On-board storage	Built in Storage
Serial Port	RS485
Environmental Adaptability	
Working Temperature	-20℃- +55℃, 0~95%RH
Storage Temperature	-45℃- +70℃, 0~ 95% RH
General	
Power Supply	DC12V/ PoE
Power Consumption	Max: ≤5W
Protection	IP66, MIL-STD-810H
Certification	IS 13252 (Part 1):2010 BIS Registered, CE, FCC
Material	Aluminum Housing
Dimensions	278×100×83 mm
Weight	≤1 kg

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

भारत का अपना CCTV