sparsh cctv

THERMAL CAMERA

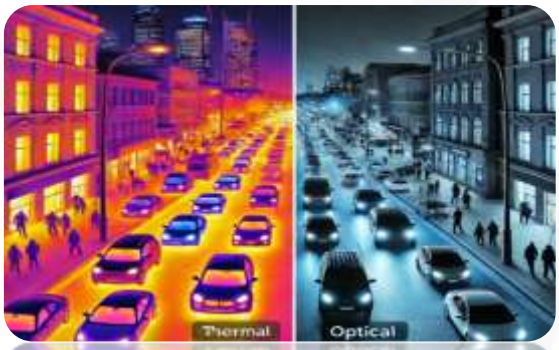
PTZ Thermal Camera

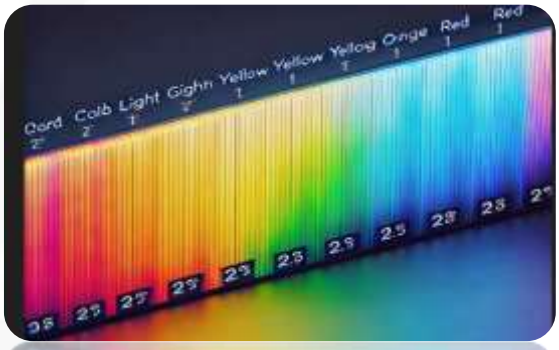


- Integrated thermal and visible sensors capture sharp video where other PTZ cameras cannot.
- Built to handle the challenges of critical infrastructure sites and other demanding locations
- Support fire detection, full screen/area detection, automatic alarm.
- Support multiple pseudo color switch and display.
- Support wide dynamic, strong light compensation, area instruction detection function.
- High strength alloy aluminum integral die-cast housing, internal all metal structure.
- Support standard protocols (ONVIF, ISAPI)

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.



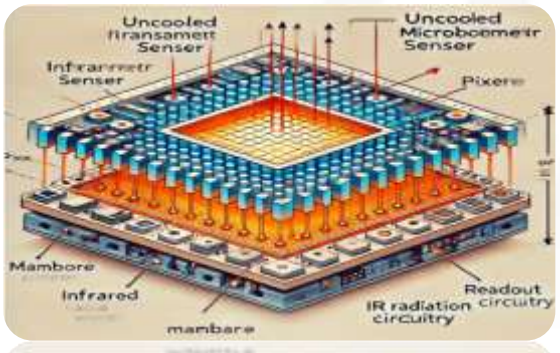


Color Palette

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-SLG20
Thermal Detector	
Type	Uncooled VOx FPA Micro Bolometer
Spectral range	8 µm to 14 µm
Array size	640x512
NETD	≤40mK
Pixel size	17 µm
Lens	50 mm
Field of View	25°x19°
Focus	Auto focus/Single step focus
Digital Zoom	16X
Frame rate	50 Hz
Control port	RS 485 support PELCO-D/115200
Pseudo color	Black hot/white hot/iron red/rainbow and other 14kinds of false colors
Alarm Functions	Motion detection, video Tamper, Alarm Input, alarm output, Exception, Area Intrusion, Line Crossing, Region Exit, Wandering Detection, Personnel Gathering Detection, Quick Motion Detection, Audio Exception Detection etc.
Temperature Measurement	Maximum temperature cross positioning
Temperature Range & Accuracy	Range: -20°C to 600°C, Accuracy: ±2°C(±35.6°F)
Visible Camera	
Max Resolution	2560x1440
Sensor	1/1.8 "Progressive Scan CMOS
Video Compression	H.265/H.264
Min. Illumination	Color: 0.005 Lux @ (F1.3, AGC ON), B/W: 0.001 Lux @ (F1.3, AGC ON)
Shutter Speed	1 s to 1/1,00,000 s
Frame rate	30fps
Lens	F= 6 mm to 240 mm, 40x optical zoom
Exposure Mode	Support automatic/manual/aperture-priority/ Shutter -priority
Focus	Auto/Semi-automation/Manual
Iris	Auto
WDR	Support
Day/Night mode	Dy/Night/Auto/Scheduled-Switch/Alarm Input Switch
3D DNR	Auto /Manual
Gain control	Support
Backlight compensation	Support
Highlight Compensation	Support



Optical fog	Support
Electronic image stabilization	Support
Audio Compression	G.711u/a/G.726/PCM
Supported protocol	TCP/IP, IPv4, IPv6, HTTP, HTTPS, FTP, RTSP, RTCP, DNS, NTP, RTP, UDP, IGMP, ICMP, ARP, SMTP, QoS, 802.1x, Multicast etc.
Safety	Authorized username and password, MAC address binding; HTTPS encryption; IEEE802.1xNetwork Access Control, IP Address Filtering
Interface protocol	Support software integration API, support standard protocol (ONVIF, PELCO) ,
Simultaneous Live View	Up to 20
In Built Storage	SD card supported up to 256GB
DORI Range for Vehicle	
Detection Range	2.2 km (based on 3 pixels)
Recognition Range	840 m (based on 8 pixels)
Identification Range	560 m (based on 12 pixels)
PTZ	
Pan rotation angle	0-360° continuous rotation
Tilt rotation angle	-20°-90 (automatic flip)
Pan rotation speed	Manual control speed 0.1° /s -180° /s; Preset speed: 180° /s
Tilt rotation speed	Manual control speed 0.1° /s -150° /s; Preset speed: 150° /s
Preset	255
Material	The fuselage adopts metal structure
Physical characteristic	
Size	About Φ 250mm × 413mm
Ingress Protection	IP66, 6000V lighting protection, surge protection
Weight	9kg
Working Temp & Humidity	-40°C～60°C, Humidity:<95%
Storage Temp & Humidity	-50°C～70°C, Humidity:<95%
Interface	
Network	1 RJ45 10/100M self-adaptive Ethernet
Audio	1 Input (Linear Level), 1 Output
Alarm	1Ch In/ 1Ch Out
RS485	1 port
Power	AC24V ± 4V
Consumption	< 50 W (including heating)
Certification	Safety: CE, FCC, IS 13252-1 Compliant, EN60950-1 Compliant

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

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