

- \cdot 400 × 300 uncooled VOx thermal sensor technology
- · Athermalized lens (thermal), focus-free
- · Support body temperature measurement
- Measurement Accuracy: ±0.3°C, with blackbody
- $\cdot\,$ Active deterrence with white light & siren
- \cdot 2/2 alarm in/out
- · Micro SD memory, IP67, PoE

System Overview

Featuring a fixed lens bullet camera, this series provides an all-in-one solution that is especially beneficial for body temperature measurement.

Functions

Uncooled VOx Technology

Thermal cameras use uncooled VOx sensor technology. Their small size and better performance make them a cost-effective solution for thermal security.

High Sensitivity

High thermal sensitivity (<40 mK) allows cameras to capture more image details and temperature difference information.

Protection

The camera allows for wide input voltage tolerance, suitable for the most unstable conditions for outdoor applications. Its 6KV lightning rating provides effective protection for both the camera and its structure against lightning.

Body Temperature Measurement

Thermal cameras characterized by non-contact, mult-objectve, rapid, and no risk to temperature testers, etc. It can be conveniently deployed in public places with dense personnel, and can be used for efficient and safe preliminary screening of temperature anomalies.

Οηνιγ

Technical Specification			Thermal Main stream:
Thermal Detector Type	Vanadium oxide uncooled focal plane detector	(1280 × 1024/1024 × 768/640 × 48) 192@), 1280 × 960 by default; Sub stream: (640 × 512/256 × 192@ Resolution 192 by default Visible Main stream: (1920 × 1080/1280 × × 576@), 1920 × 1080 by default; Sub stream: (704 × 576/352 × 288@	(1280 × 1024/1024 × 768/640 × 480/256 × 192@), 1280 × 960 by default; Sub stream: (640 × 512/256 × 192@), 256 × 192 by default
Effective Pixels Pixel Pitch	400 × 300 17 μm		Sub stream: (704 × 576/352 × 288@), 355 x
Spectral Range	8 μm–14 μm	Audio Compression	288 by default G.711a; G.711mu; AAC; PCM
Thermal Sensitivity (NETD)	≤40 mK	Image Encoding Format	JPEG
Focal Length	13 mm	General Function	
Field of View	13 mm: horizontal: 30°, vertical: 22.6°	Two-way Talk	Yes
Focus Mode	Fixed-focal	Network Protocol	HTTP; TCP; ARP; RTSP; RTP; UDP; RTCP; SMTP; FTP; DHCP; DNS; DDNS; PPPOE; IPv4/ v6; SNMP; QoS; UPnP; NTP
Aperture	F1.0	Region of Interest (ROI)	Yes
Digital Detail Enhancement (DDE)	Yes	Edge Storage	FTP; Micro SD card (256G, hot plug)
Thermal Image Stabilization	Electronic Image Stabilization	Interoperability	ONVIF;
AGC	Auto; manual	Browser	IE: IE8 and the later, and explorer with IE core Google: 42 and the earlier Firefox: 42 and the earlier Safari: 10 and the earlier
Noise Reduction	2D NR; 3D NR		
Image Flip	90°/180°/mirror		
Color Palettes	18 color modes selectable such as Whitehot/ Blackhot/Ironrow/Icefire.	User/Host	20 channels at most (the total bandwidth 64M)
Temperature Measurement Range	30°C~+45°C	Security	Authorized username and password; attached MAC address; encrypted HTTPS; IEEE 802.1x; controlled network access
Temperature Accuracy	Max ±0.3°C with blackbody Max ±1°C without blackbody Spot: 12	User Management	Support 20 users at most and users are classified as two groups-administrator grou
Temperature Mode	Line: 12 Area: 12 Support 12 rules simultaneously	Malfunction Detection	and user group. Network disconnection; IP addresses conflict; SD card error (status or storage
Visible			space)
Image Sensor	1/2.8" 2M CMOS	Port	
Effective Pixels	1920(H)x1080(V)	Analog Video Output	1 channel of CVBS output with BNC port
Electronic Shutter Speed	1/1~1/30,000s	Network	1 10M/100M Ethernet port (RJ-45)
Min. Illumination	Color: 0.002Lux; B/W: 0.0002Lux; 0Lux (IR on)	Alarm Input	2 channels
IR Distance	35m	Alarm Output	2 channels
IR On/Off Control	Auto/Manual	Audio Input	1 channel
IR LEDs	1	Audio Output	1 channel
Focal Length	8mm	Alarm Linkage	SD card recording/on-off output/ siren and light/email/PTZ/snapshot
Max Aperture	F1.9	Alarm Event Motion detection/privacy mask/audio detection/SD card abnormality/network abnormality/anti-burn warning	
Angle of View	H: 40° V: 22°		
Audio and Video		RS-485	1 channel
Video Compression	H.265; H.264; H.264H; H.264B; MJPEG	Power	

Power Supply

12V±20% DC, 1.2A, PoE (802.3af), ePoE

Power Consumption	Basic: 5.0W Maximum: 12W (power adapter excluded)		
Environment			
Operating Temperature	10°C to +30°C		
Storage Temperature	-40°C to +70°C		
Operating Humidity	≤95%		
Self-Adaptive	Auto heating to protect the chip under the cold environment		
Physical Characteristics			
Protection Grade	IP67, anti-surge 6KV, anti-elctrostatic 8KV (touched by objects), anti-elctrostatic 15KV (air)		
Packaging Dimensions	365 mm × 175 mm × 176 mm (14.37" × 6.89" × 6.93")		
Net Weight	≤1.4 kg (3.09 lb)		
Gross Weight	≤1.9 kg (4.19 lb)		

Selectable Contained Certification CE; FCC

Dimensions (mm [inch])

Power Adaptor

Certifications

Lens





