

Fixed Thermal Camera

Powerful in Narrow Space

Introduction

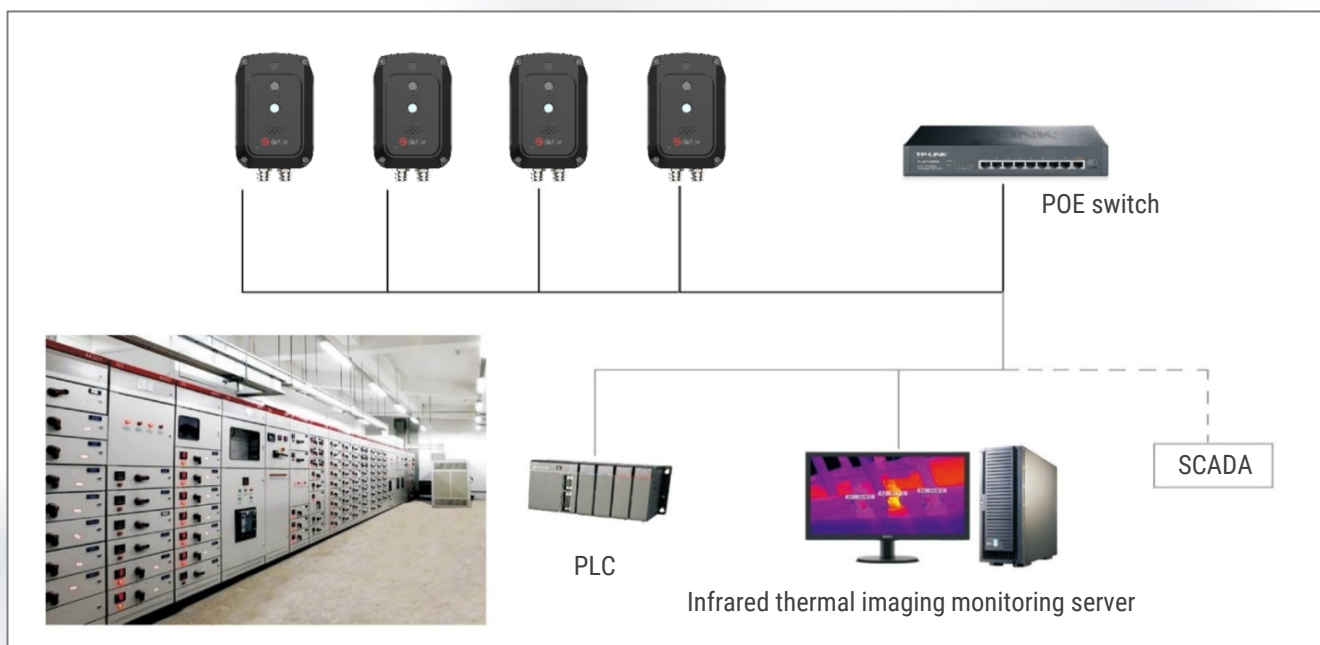
Developed based on a 256×192 wafer-level infrared module, the product integrates a thermal imager and a visible-light camera into one compact device. Its small form factor enables flexible deployment even in confined spaces, overcoming installation limitations. It provides continuous temperature data acquisition, analysis, and alarm functions for uninterrupted condition monitoring of critical electromechanical equipment.

Applications

It is suitable for temperature monitoring and fire detection of electrical equipment in narrow spaces and confined spaces such as data centers, power distribution switch cabinets, wind turbines, storage, hazardous chemical warehouses, power distribution rooms, computer rooms, and charging piles etc.

Features

- Adopts a 256×192 uncooled VOx infrared detector and a high-definition 1/2.7-inch CMOS sensor.
- Web-based control requires no additional app or software for parameter configuration.
- Unified interfaces support standard Ethernet/IP protocols for easy networking.
- Supports multiple alarm settings, including temperature and fire detection alarms.
- Supports real-time temperature analysis, historical data queries, and CSV report export.
- IP66/IP67-rated for dust and water protection.
- Supports ceiling, upright, wall, tripod, and magnetic mounting.



Specifications

Product model	NC200
Thermographic	
Detector type	WLP VOx, 8μm to 14μm
IR resolution	256×192@12μm
NETD	45mK@30°C
IR lens	3.2mm, 56°×42°
Focusing mode	Focus-free
Pseudo colors	26 pseudo colors: White Hot, Black Hot, Rainbow and so on
Thermal imaging functions	Detail enhancement, 2D/3D noise reduction, Image flip, Dual light fusion
Temperature measurement	
Measurement range	Low: -20°C to 150°C; High: -20°C to 550°C
Measurement accuracy	±2°C or ±2% (whichever is greater)
Target setting	Up to 21 targets: 6 spots, 6 rectangles, 3 polygons (calibrated 7-point polygons), 3 circles, and 3 lines
Measurement function	Cold/hot spot tracking, Full-screen point temperature measuring, Query and export of information
Visible light	
Sensor type	1/2.7" CMOS
Max. resolution	1280×960
Min. illuminance	Color: 0.005 Lux
Lens	2.8mm; 65°×49°
Illumination	White light
Visible light functions	Visible light gain control, 2D/3D noise reduction, Backlight compensation (BLC), Wide dynamic range (WDR), Highlight suppression, Image flip, Exposure compensation
Image	
Video compression	Switch between three standards H.265, H.264 and MJPEG
Image format	JPEG
Protocol and storage	
Network protocol	IPv4/IPv6, HTTP, SMTP, RTSP, TCP, DHCP, ONVIF (automatic device discovery, RTSP video streaming, and device control), MQTT
Local storage	16G EMMC
System function	
Language version	Chinese/English
Browser	Supported
User management	Max. 20 users with three levels of user accounts (Root, Admin and User)
Fault detection	Network interrupt detection; IP conflict detection; Illegal access; Storage exception
Intelligent functions	Audible and visual alarm
Hardware interface	
Power interface	DC12V±25%
Network interface	One 100M/1000M Ethernet port, PoE (802.3at)
Alarm interface	1input and 1 output
Other interfaces	1-channel RS485
Environmental	
Working temperature	-30°C to +60°C
IP rating	IP67, TVS 6000V lightning protection and surge protection
Physical	
Power consumption	3.5W
Size	105mm×71mm×30mm
Net weight	300g
Installation mode	Wall mounting/tripod mounting/magnetic mounting

* Product performance is based on testing in a controlled laboratory environment. Your test results may vary due to several external and environmental factors.
All specifications are subject to the actual product. The manufacturer reserves the right to modify technical specifications without notice or liability to you.