NC200 Thermal Imaging Camera

Powerful in narrow space

Introduction

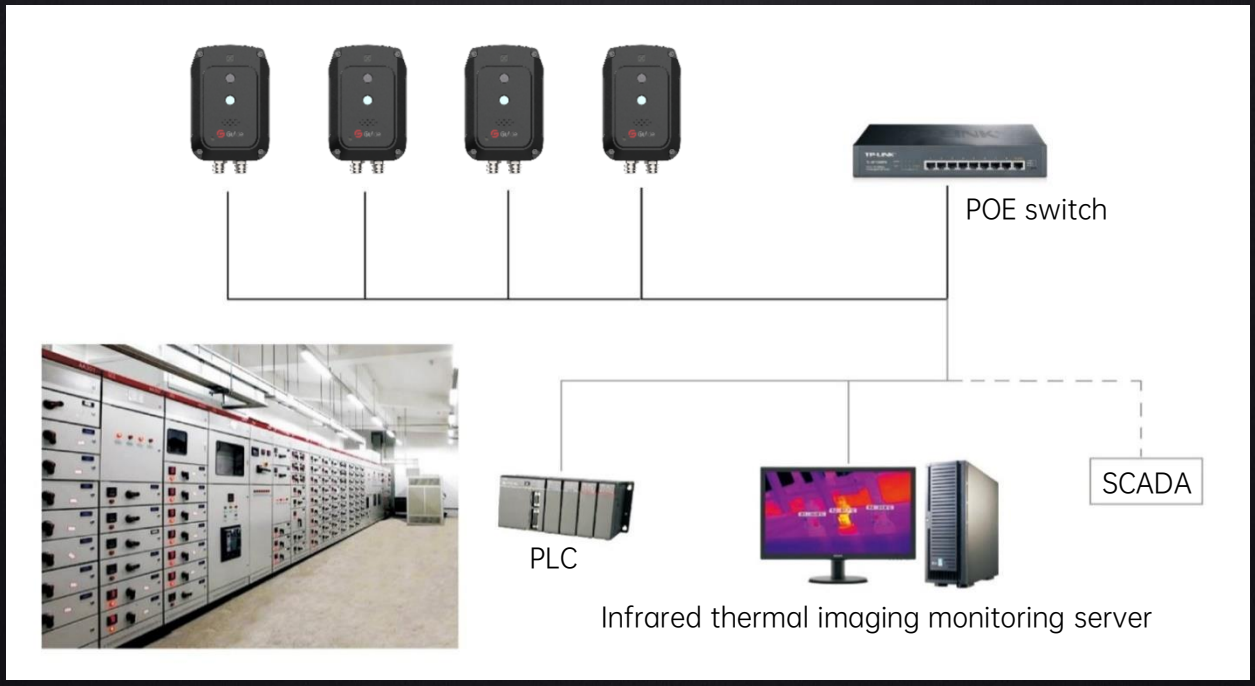
NC200 is developed based on 256x192 wafer infrared module, which integrates an infrared thermal imager and a visible light camera. Small size, breaking through installation restrictions in narrow spaces, and flexible in deployment. Provide continuous temperature data collection, analysis and alarm for the uninterrupted state monitoring of key electromechanical equipment.

Application

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 and Benefits

- Adopts 256x192 Uncooled Vox Infrared Detector.
- HD 1/2.7 Inch CMOS, Resolution 1920x1080
- Web-side control, No need other APP or software to set the parameters
- Unified interface, compatible with Ethernet/IP standard protocol, which is conducive to networking
- Support real-time temperature measurement analysis, historical information query and export CSV report
- IP67 encapsulation, Dustproof and waterproof. Durable and stable
- Installation methods: Hoisting/Vertical Mounting/Wall Mounting/Tripod Mounting/Magnetic etc.



Specifications

Model	NC200
Thermographic	
Detector type	WLP VOx
Detector resolution	256 × 192
Pixel size	12μm
Wavelength range	8μm to 14μm
NETD	≤ 45mK@30°C
Thermographic camera lenses	3.2mm; 56° × 42°
Detail enhancement	Supported
Noise reduction	2D/ 3D noise reduction
Image flip	180°/ mirror image
Pseudo colors	26 adjustable pseudo colors such as white hot and black hot, and the color bar is automatically changed according to the pseudo color
Temperature measurement	
Measurement range	Low temperature mode: -20°C to 150°C, high temperature mode: -20°C to 550°C
Measurement accuracy	±2°C or ±2% (whichever is greater)
Target setting	Up to 12 targets (spot, line, rectangle, polygon and circle) can be simultaneously measured at the same time
Cold/ hot spot tracking	Supported
Full-screen point temperature measuring	Supported
Query and export of temperature measuring information	Supported
Visible light	
Sensor type	1/ 2.7
Maximum resolution	1920x1080
Minimum illuminance	Color: 0.005lux
Visible light gain control	Auto/ manual
Visible light noise reduction	2D/ 3D noise reduction
Backlight compensation	Supported
Wide dynamic	Supported
Strong-light photoinhibition	Supported
Image flip	180°/ mirror image
Exposure compensation	Supported
Visible light lens	2.8mm; 65° × 49°
Fill light	White light
Image	
Video compression standard	Switch between three standards H.265, H.264 and MJPEG
Image coding formats	JPEG
Protocol and storage	
Network protocol	IPv4/ IPv6, HTTP, SMTP, RTSP, TCP, DHCP, ONVIF (Automatic search device, RTSP video stream and device control), GB/ T28181, MQTT
Local storage	4G EMMC
System function	
Language version	Chinese/ English
Browser	Supported
User management	It supports up to 20 users and multi-level user permission management; which is divided into three levels: root user, management group and user group
Fault detection	Network interrupt detection; IP conflict detection; Illegal access; storage exception
Hardware interface	
Network interface	One 100M/ 1, 000m Ethernet port, POE (802.3 at)
Alarm interface	1input and 1 output
Other interfaces	1-channel RS485
Environmental	
Working temperature	-30°C to + 60°C
Working humidity	≤ 95%, non-condensing
Encapsulation	IP67, TVs 6000V lightning protection and surge protection
Physical	
Size	≤ 105mm × 71mm × 30mm (length, width and thickness)
Net weight	300g
Installation mode	Wall mounting/ tripod mounting/ magnetic mounting

Guide sensmart | Sensing Beyond Visible

Guide Sensmart Tech Co., Ltd.

Loeffelholzstrasse 20, Haus 12 Eingang Nord, 90441 Nuremberg, Germany

Email: enquiry@guide-infrared.com

*Technical parameters are subject to change without notice. For the latest information, please visit our website: www.guideir.com