NC200

Thermal Imaging Camera

Powerful in Narrow Space

Introduction

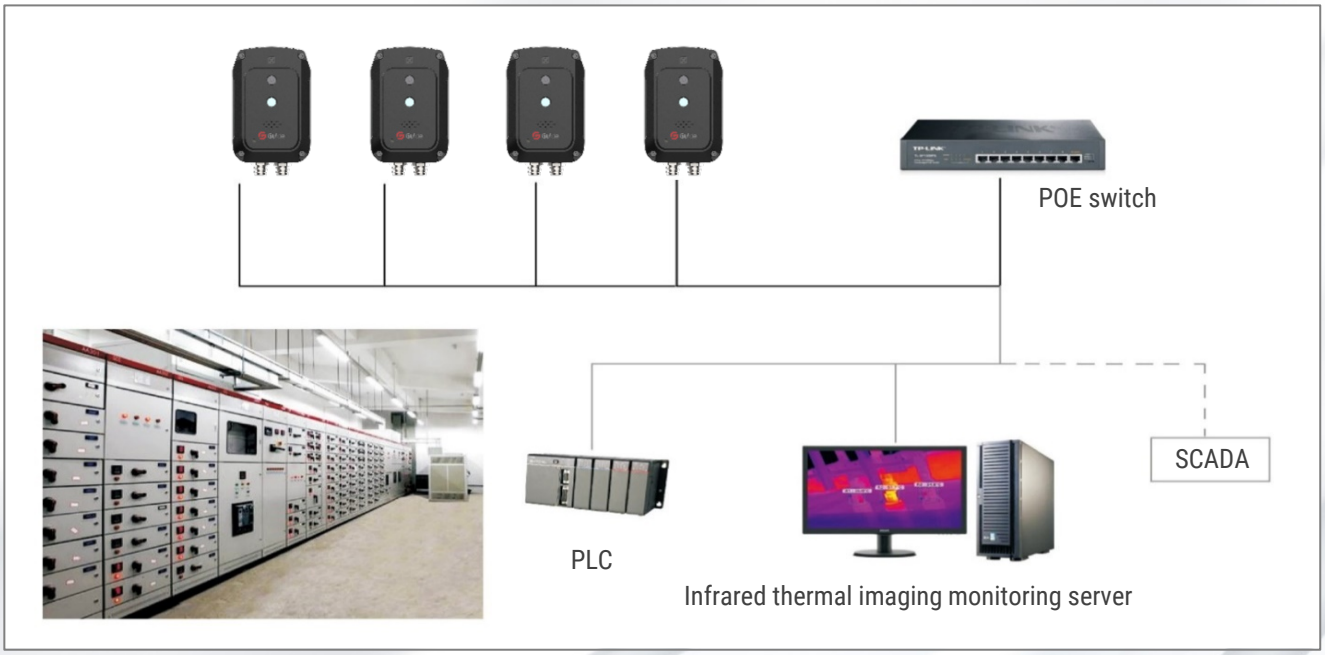
NC200 is developed based on 256x192 wafer infrared module, which integrates an infrared thermal imager and a visible light camera. Small size, breaking through installation restrictions in narrow spaces, and flexible in deployment. Provide continuous temperature data collection, analysis and alarm for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

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 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

Product model	NC200	NC200NW
Thermographic		
Detector type	WLP VOx	
Detector resolution	256 × 192	
Pixel size	12μm	
Wavelength range	8μm to 14μm	
NETD	≤ 45mK@30°C	≤50mK@30°C
Thermographic camera lenses	3.2mm, 56° × 42°	2.1mm, 90° × 65.6°
Focusing mode	Focus-free	
Detail enhancement	Supported	
Noise reduction	2D/ 3D noise reduction	
Image flip	180°/ mirror image	
Pseudo colors	26 pseudo colors: White Hot, Black Hot, Rainbow and so on	
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 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"CMOS	
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°	2.7mm; 128°
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	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	
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	-10°C~+60°C
Working humidity	≤ 95%, non-condensing	
Encapsulation	IP67, TVs 6000V lightning protection and surge protection	IP66, TVs 6000V lightning protection and surge protection
Physical		
Size	≤ 105mm × 71mm × 30mm	≤ 65mm × 65mm × 24mm
Net weight	300g	
Installation mode	Wall mounting/ tripod mounting/ magnetic mounting	