NC200

Thermal Imaging Camera
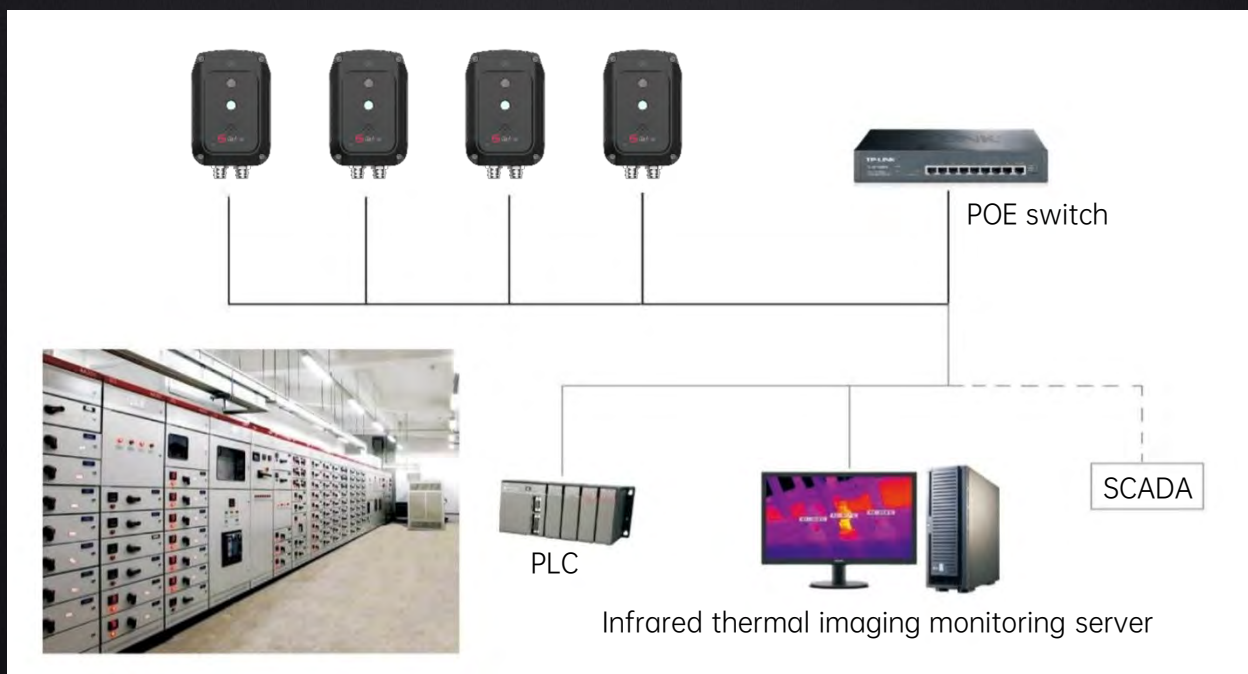
Powerful in narrow space

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

o   Adopts 256x192 Uncooled Vox Infrared Detector.

o   HD 1/2.7 Inch CMOS, Resolution 1920x1080

o   Web-side control, No need other APP or software to set the parameters

o   Unified interface, compatible with Ethernet/IP standard protocol, which is conducive to networking

o   Support real-time temperature measurement analysis, historical information query and export CSV report

o   IP67 encapsulation, Dustproof and waterproof. Durable and stable

o   Installation methods: Hoisting/Vertical Mounting/Wall Mounting/Tripod Mounting/Magnetic etc.

POE switch

PLC

SCADA

Infrared thermal imaging monitoring server

Specifications

NC200		
Thermal Imaging	Detector Type	WLP VOx
	Detector Pixel	256×192
	Pixel size	12µm
	Spectral	8µm ~ 14µm
	NETD	≤45mK@30℃
	Lens	Focal Length 3.2mm, horizontal 56°,Vertical 42°,Min focus distance 0.5m
	Color Palettes	White hot, Black hot etc., 26 kinds of Color palettes adjustable
Temperature Measurement	Temperature Range	Low temperature range: -20℃~150℃, high temperature range: 100℃~550℃
	Accuracy	±2℃ or ±2% of reading (take the maximum value)
	Temperature measurement object setting	Support 6 Dots/6 rectangles/3 Polygons/3 circles/3 Lines total 21 pieces of Regular temperature measurement objects
	Hot & Cold Spot Tracking	YES
	Full Screen Spot Alarm	YES
	Temperature measurement query	Support real-time analysis of temperature measurement objects, historical temperature information query function, and export CSV report
	Export thermal image	Yes
Visible Camera	Sensor Type	1/2.7 Inch CMOS
	Max Resolution	1920x1080
	Visible pixel	2 million
	Min illumination	Color: 0.005lux
	Lens	Focal Length 2.8mm, horizontal 65.5°,Vertical 49.2°,Min focus distance 0.2m
Flashlight	Flashlight	Support, Flashlight range within 5m
Image	Video compression	H.264
	Image encoding format	JPEG
Internet	Network protocol	IPv4/IPv6,HTTP,SMTP,RTSP,TCP ,DHCP ,ONVIF,GB/T28181,MQTT
Storage	Local storage	16G
System functions	Language	Chinese/English
	Browser	YES
	Troubleshooting	Network interruption detection; IP conflict detection; illegal access; abnormal storage
Interface	Network Interface	1 piece,100M/1000M ethernet port,Support POE(802.3 at)
	Alarm input	1
	Alarm Output	1
	RS-485 Interface	1
	Reset	1
Alarm	Alarm method	Support sound and light alarm
	Alarm Details	Temperature Alarm/Hot spot Alarm/cold spot Alarm/Full Memory alarm/storage failure alarm/Push stream failed alarm /network abnormality alarm/ illegal access alarm / fire alarm
	Alarm query	Support temperature measurement alarm event classification query
Power Supply	Power supply	DC12V±25%
	Power consumption	<3.5W（DC12V，Basic power consumption），<10W（DC12V，Max power consumption）
Operating Environmental	Operating Temperature	-30℃~+60℃
	Operating humidity	≤95%， non-condensing
Encapsulation	Encapsulation	IP67，TVS 6000V, Anti-Lightning、Anti-surge.
Physical characteristics	Product Size	≤105mm×71mm×30mm(LWH)
	Weight	300g
	Installation method	Hoisting/Vertical Mounting/Wall Mounting/Tripod Mounting/Magnetic
	Standard configuration	Products、Magnetic backplane 、12 core cable、Certificate of conformity, packing box
	Optional	8 core cable