

# NC200

## Thermal Imaging Camera

### Powerful in Narrow Space

#### Introduction

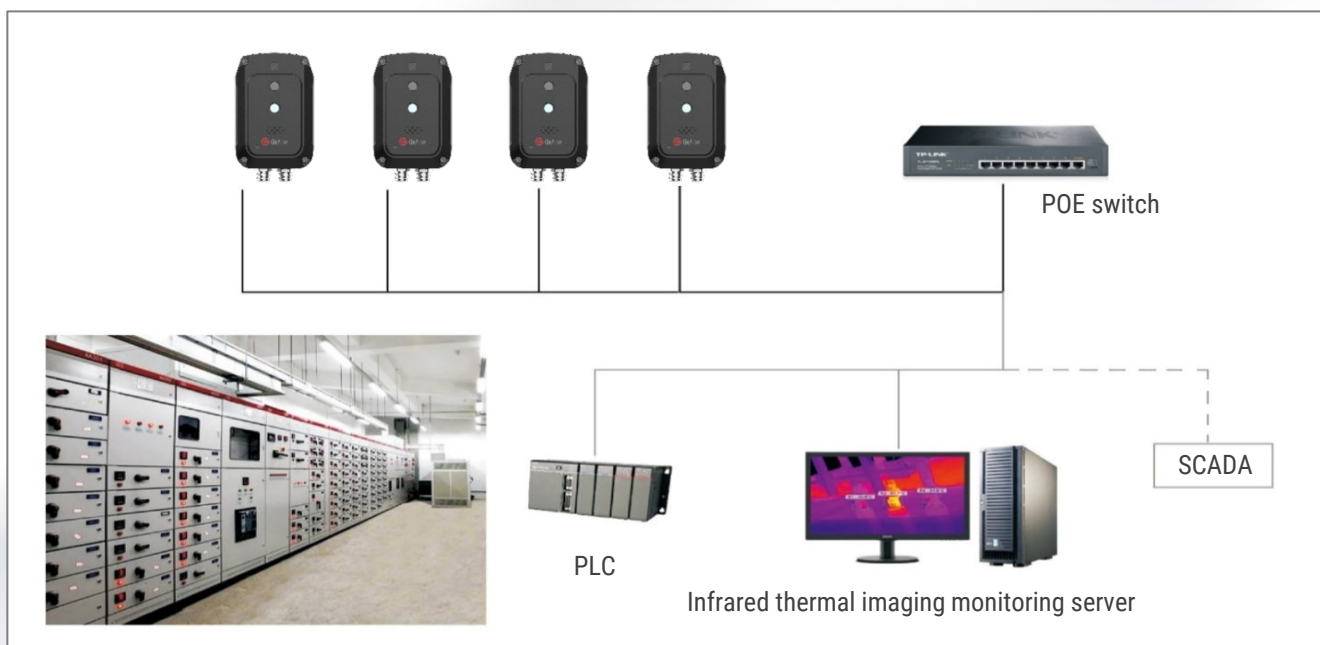
NC200 is developed based on 256x192 wafer infrared module, which integrates an infrared thermal imager and a visible light camera. Small size, breaking through installation restrictions in narrow spaces, and flexible in deployment. Provide continuous temperature data collection, analysis and alarm for 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, 8μm to 14μm                                                                                                                                      |                                                           |
| IR resolution           | 256×192, 12μm                                                                                                                                             |                                                           |
| NETD                    | ≤45mK@30°C                                                                                                                                                | ≤50mK@30°C                                                |
| Lens                    | 3.2mm, 56°×42°                                                                                                                                            | 2.1mm, 90°×65.6°                                          |
| Focusing mode           | Focus-free                                                                                                                                                |                                                           |
| Pseudo colors           | 26 pseudo colors: White Hot, Black Hot, Rainbow and so on                                                                                                 |                                                           |
| Featured features       | Detail enhancement, 2D/ 3D noise reduction, Image flip, Dual light fusion                                                                                 | Detail enhancement, 2D/ 3D noise reduction, Image flip    |
| 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                                              |                                                           |
| 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         | 1920x1080                                                                                                                                                 |                                                           |
| Min. illuminance        | Color: 0.005lux                                                                                                                                           |                                                           |
| lens                    | 2.8mm; 65°×49°                                                                                                                                            | 2.7mm; 128°                                               |
| Fill light              | White light                                                                                                                                               |                                                           |
| Featured features       | Visible light gain control, 2D/ 3D noise reduction, Backlight compensation, Wide dynamic, Strong-light photoinhibition, 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 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                                                                     |                                                           |
| Intelligent functions   | Sound and Light Alarm                                                                                                                                     |                                                           |
| Hardware interface      |                                                                                                                                                           |                                                           |
| Power interface         | DC12V±25%                                                                                                                                                 | POE (802.3 at)                                            |
| 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                |                                                                                                                                                           |                                                           |
| Power consumption       | < 3.5W                                                                                                                                                    | < 2.5W                                                    |
| Size                    | ≤105mm×71mm×30mm                                                                                                                                          | ≤65mm×65mm×24mm                                           |
| Net weight              | 300g                                                                                                                                                      |                                                           |
| Installation mode       | Wall mounting/ tripod mounting/ magnetic mounting                                                                                                         |                                                           |