

# NUCTECH™ Thermal Imaging Temperature Measurement Series

## Binocular Infrared Thermal Imaging Network Camera F2123-T

Nuctech Binocular Infrared Thermal Imaging Network Camera is designed for rapid body temperature measurement screening. By integrating infrared thermal imaging and optical imaging with built-in dual view registration mechanism, the camera can conduct rapid temperature screenings across multiple people. Facial detection and tracking technologies increase accuracy in human subject temperature measurement, and at the same time eliminate the influence of environmental factors on temperature readings. During an epidemic outbreak, contactless abnormal body temperature screening can effectively reduce the risk of infection through contact and improve the outcome of epidemic control.

The thermal imaging temperature measurement series can be used in public scenarios, including but not limited to, airports, subways, railway stations, ports, hospitals, hotels, office buildings, shopping malls, and supermarkets.



Rapid abnormal temperature screening

Effective epidemic control

### Features

#### Safe

Non-contact multi-point temperature measurement to avoid the risk of infection through contact, support large scene detection

#### Effective

Real-time temperature measurement and rapid abnormal temperature screening

#### Accurate

High temperature measurement accuracy of  $\pm 0.3^{\circ}\text{C}$  ( with Blackbody)

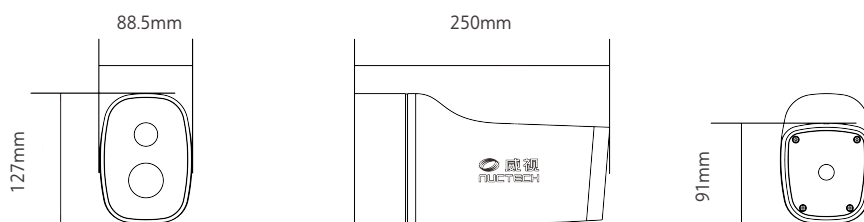
#### Intelligent

Accurately locate human face with artificial intelligent algorithm to reduce false alarm from non-human factors, support abnormal body temperature alarm and traceable temperature alarm records

## Specification

|                         |   |
|-------------------------|---|
| Image Sensor            | VOx Uncooled Focal Plane Arrays                 |
| Resolution              | 384 × 288                                       |
| Pixel Pitch             | 17 μ m  |
| Spectral Band           | 8 μ m~14 μ m                                    |
| Focal Length            | 9.7mm   |
| Field of View           | 37.9° × 28.7° ( H × V )                         |
| Measurement Range       | 30°C ~ 45°C                                     |
| Measurement Accuracy    | ± 0.3°C ( with Blackbody ) @ Indoor temperature |
| Image Sensor            | 1/1.8" Progressive Scan CMOS                    |
| Resolution              | 1920 × 1080, 2MP                                |
| Min. Illumination       | Color:0.001Lux<br>B/W:0.0001Lux                 |
| WDR                     | 120dB   |
| Focal Length            | 4.4mm–10mm F1.2                                 |
| Field of View           | Horizontal: 96° ~ 43° ,Vertical: 68.7° ~ 32°    |
| Communication Interface | RJ45 10M/100M/1000M self-adaptive Ethernet port |
| Alarm Interface         | 2 Input,2 Output                                |
| Audio Interface         | 1 Input,1 Output, DNR                           |
| Control Interface       | 1 RS485   |
| Power Supply            | DC12V 1.5A                                      |
| Power Consumption       | <12W  |
| Operating Conditions    | -20°C~60°C, Humidity10%~90%(non-condensing)     |

## Dimensions



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NUCTECH HAS BEEN AWARDED THE CERTIFICATE OF QUALITY MANAGEMENT SYSTEM(ISO9001: 2008 )

NUCTECH HAS BEEN AWARDED THE CERTIFICATE OF ENVIRONMENTAL MANAGEMENT SYSTEM (ISO14001:2004)

NUCTECH HAS BEEN AWARDED THE CERTIFICATE OF OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT