

# NUCTECH™ Thermal Imaging Temperature Measurement Series

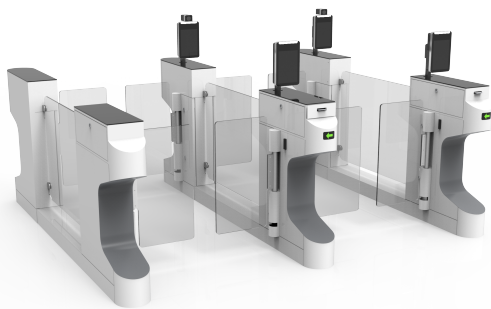
## Face Recognition Terminal(temperature measurement version) IA 200-T

Nuctech Face Recognition Terminal is an intelligent face recognition device for personal authentication and access control. To meet the need of temperature measurement during the epidemic outbreak, a new face recognition terminal (temperature measurement version) is launched with built-in advanced deep learning algorithm and infrared thermal imaging technology which could conduct rapid non-contact temperature measurement and face recognition at the same time.

The face recognition terminal (temperature measurement version) is mainly used for temperature measurement screening and ID verification in public scenarios including airport, customs, subways, railway stations, building access control, community access control, which could effectively reduce the risk of infection from contact and improve the outcome of epidemic control.



Rapid abnormal temperature screening  
Effective face recognition



Airport, Customs, Subways  
Railway Stations



Building Access Control  
Community Access Control

## Features

### Safe

contactless multi-point temperature measurement to avoid the risk of infection from contact

### Effective

Real-time temperature measurement and rapid abnormal temperature screening, effective face recognition within 1 second

### Accurate

High temperature measurement accuracy of  $\pm 0.3^{\circ}\text{C}$  (with Blackbody), face recognition accuracy rate is better than 99.78%

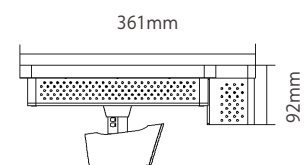
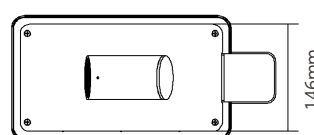
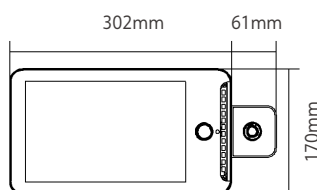
### Intelligent

Facial detection and tracking technologies to increase accuracy in human subject temperature measurement, liveness detection to prevent spoof attacks by 3D models, videos, pictures, masks

## Specification

Operation System	Linux
Screen	10.1" LCD Touch Screen, 1280 × 800
Image Sensor	VOx Uncooled Focal Plane Arrays
Resolution	384 × 288
Pixel Pitch	17 μ m
Spectral Band	8 μ m~14 μ m
Measurement Range	30°C ~ 45°C
Measurement Accuracy	± 0.3°C(with Blackbody) @Indoor temperature
Image Sensor	1/2" Progressive Scan CMOS
Resolution	1920 × 1080, 2MP
Image Setting	Auto Exposure, Auto White Balance, AGC
Lens	4.5mm, F1.8
Lens Mount	M12
Illuminator	Warm white LEDs Brightness adjustable
Anti-Spoofing	Support
Face Recognition Height	1.4m to 1.9m
Face Recognition Distance	0.5m to 1.5m
Face Feature Extraction	150ms / face
Face Recognition Accuracy Rate	99.78%
Audio Interface	Built – in Speaker
Interface	RJ45 × 1 HDMI × 1 5.5 × 2.1 DC Port RS485, RS232(Reserved)
Communication Mode	TCP/IP
Power Supply	DC 12V/3A
Power Consumption	< 25W
Operating Conditions	-10°C ~ 60°C, Humidity10% ~ 90% (non-condensing)

## Dimensions



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

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