



THERMI-SCAN

Thermal Analysis Access Control System

Thermi-Scan is a thermal analysis access control system that works standalone or integrates with existing access control to allow entry based on any combination of face recognition, normal temperature, mask detection and QR code or card/FOB entry.

Thermi-Scan utilises thermopile technology, with its market leading accuracy of 0.3°C for body temperature detection and, unlike Thermography used in alternate products, there is no need to frequently calibrate the system to maintain its accuracy. This makes it the perfect solution for thermal analysis access control systems.

The digital detection module supports rapid body temperature detection. This means that the product can achieve face recognition and temperature detection at the same time and supports warnings for people with an abnormal body temperature. It has a wide range of applications from offices & commercial buildings to school, restaurants and many more.



Wall mounted



Floor stand mounted

KEY FEATURES

- ◆ Non-contact detection
- ◆ Use any combination of body temperature, face recognition, mask detection, QR code or card / FOB for authentication
- ◆ Authentication in 0.2sec with body temperature reading taken from the face
- ◆ Abnormal body temperature warning
- ◆ Maintains market leading accuracy of $\pm 0.3^{\circ}\text{C}$ without the need for frequent calibration
- ◆ Manage visitors and control entry with two way audio
- ◆ Customisable audio prompts
- ◆ Built-in deep learning chip for >99% accurate face recognition
- ◆ Integrated with existing access control or standalone

ADDITIONAL FEATURES

- ◆ Measurement distance up to 2M
- ◆ Configurable temperature detection threshold
- ◆ Supports offline recognition
- ◆ 10,000 face capacity, face whitelist (1:N)
- ◆ 2MP low light camera
- ◆ WDR
- ◆ Supports 3D Face detection to prevent photos being used
- ◆ Screen sleep mode
- ◆ ONVIF Compliant
- ◆ Tamper detection, door open timeout and time exceeded alarm to keep doors open during active fire alarm

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KEY FEATURES

CAMERA

FEATURES PARAMETER	DESCRIPTION
Operation System	Linux
Face Recognition Accuracy Rate	≥99%
Face Recognition Time	200ms
Face Capacity	10,000
Card Capacity	100,000
Storage Capacity	4GB
Event Capacity	8,000 (with images)
Measurement Range	30°C - 45°C
Measurement Accuracy	0.1°C
Measurement Deviation	≤0.3°C
Measurement Distance	Up to 2m
Authentication Methods	Face Recognition
	Card or FOB Reader
	Body temperature
	Mask Detection
Communication Mode	QR code
	10/100Mbps adaptive network port
Card Type	Mifare 1 Card
User Management	Supports multiple users, Admin and User accounts
Record Management	Supports local recording and real-time upload
Interface	LAN x1, Wiegand Input x1, Wiegand Output x1, RS485 x1, Alarm Input x2, Alarm Output x1, USB2.0 x1, Lock Relay x1, Exit Button x1
Power Supply	12V DC 2.5amp PSU
Screen	7" Touch Screen, Resolution: 600×1024
Camera	Dual Lens, 2MP, 1080P
Supplement Light	LED soft light and infrared light
Dimensions (LWH)	For terminal : 134mm x 33mm x 305mm
Working Environment	For terminal: -20°C to 65°C, Relative Humidly 95% (non-condensing) For module: 15°C to 30°C
Protection Level	Both terminal and module: IP 54
Application Situation	Indoor, No wind

DIMENSIONS

All dimensions are in mm



