



INTELLIGENT FR ACCESS CONTROL SYSTEM WITH AN INTEGRATED THERMAL TEMPERATURE MONITORING MODULE

- Contactless accurate temperature measurement
- Intelligent alert

- Face recognition
- Visitor management

- Liveness detection
- Attendance

Intelligent FR Access Control System with an Integrated Thermal Temperature Monitoring Module

The Intelligent FR Access Control System with an Integrated Thermal Temperature Monitoring Module is an all-in-one access control system integrating face recognition and body temperature measurement. Efficient and safe access is achieved via an infrared thermal imaging module that enables contactless and accurate temperature measurement. A plug-and-play module design with options of temperature measurement, fingerprint recognition, and IC card reading is adopted as an add-on module to existing Pensees FR access control system. Demand for temperature monitoring of personnel entering office is met with efficient and accurate temperature screening and statistical functions. Scenario-based deployment is supported with multiple operation modes such as access control, turnstile and visitor management.

Key Advantages

1. Efficient and safe passing by accurate, fast and contactless temperature measurement;
2. Double verification via connected face and temperature data, easy tracing via synchronization of records to back-end system;
3. Alert of abnormal body temperature in forms of voice messages, lighting and more;
4. Add-on modules to existing access control through a plug-and-play module design;
5. Flexible deployment with standalone or networked operations.

Core Functions



Contactless accurate temperature measurement



Face recognition



Liveness detection



Intelligent alert



Visitor management



Attendance

Scenarios



Government buildings



Commercial premises



Enterprises and factories



Financial institutions



Residential communities



Schools and more

Technical Parameters

Product name	Intelligent FR Access Control System with an Integrated Thermal Temperature Monitoring Module
General	
RAM	2G
Storage	8 GB, maximum storage expansion of 128 GB
Main screen	8-inch touch screen, resolution of 800*1280
Optical camera	Pixels of 2 million, resolution of 1920*1080
Infrared camera	Yes
Supplement light	Infrared/white light
4G	Supported
Wi-Fi	2.4 GHz, comply with IEEE802.11 a/b/g/n standard
Card reading	13.56 MHz (IC/ID) supported
Temperature measurement	Measurable range: 28°C~46°C Measurement accuracy: ±0.2°C (single-point), ±0.5°C (thermal imaging) Measurement time: ≤ 0.5 s
Appearance	
Color	Sliver gray
Material	Aluminum alloy-frame and tempered glass-panel
Dimensions	217*120*18.3 mm
Operation	
Voltage	DC12V±10%
Current	2A
Power	10W
Power supply mode	External power adaptor
Temperature	-20°C~+60°C
Humidity	10%~90%±5% (without condensation)
Face recognition	
Image storage	Maximum 10000 pcs
FR mode	1:1/1:N
FR time	< 1s
FR distance	40~100cm
Functions	
Access control	Via FR, password, QR code, card (optional), temperature measurement and etc.
Turnstile	Automatic recognition and passage within 100 cm
Visitor greeting	Welcome and attendance taking
Visitor Functions	Appointment making, management
Ad customization	Supported in standby mode
Device management	Customer side statistics
Remote control	Customer side remote control
Automatic wake-up	Automatic wake-up in standby mode
Interfaces	
USB	USB 2.0*1
Ethernet	10/100 Mbps, RJ45 interface
Speaker	Yes
Microphone	Yes
Other	Door lock control/RS485 interface/Wiegand interface/alert input/SIM interface/SD card interface
Expansion	External modules such as fingerprint recognition and ID card reading
Anti-dismantle	Anti-dismantle alarm
Other	
Installation	Flat back panel, open mounted, metal door, 86-type box, turnstile column and more

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