



SMART BUILDING SOLUTION

- Body Temperature Detection
- Hi-Speed Face Recognition
- Attendance
- Access Control
- Intercom
- Live View

Face Recognition Terminal with Body Temperature Detection System



Nue-Face - F1

AI DEEP LEARNING FACE TECHNOLOGY

SMARTFACE - 70T face recognition terminal is a kind of access control device integrated with temperature screening function. It can fast taking skin-surface temperature and upload abnormal temperature event to the center, which can be widely applied in multiple scenarios, such as enterprises, stations, dwellings, factories, schools, campus and so on.



Highlights

- ✓ Face recognition duration < 0.2 s/User; face recognition accuracy rate ≥ 99%.
- ✓ Supports Vanadium Oxide uncooled sensor to measure target's temperature.
- ✓ Contact-less, Hygiene & High Speed Detection.
- ✓ 6,000 face capacity, 6000 card capacity, and 100,000 event capacity.
- ✓ Multiple authentication modes.
- ✓ Face mask wearing alert.
- ✓ P Rating 65.

Body Temperature Detection

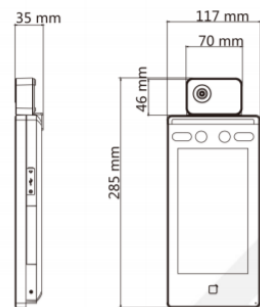
- Temperature measuring range: 30 °C to 45 °C (86 °F to 113 °F), accuracy: ± 0.5 °C.
- Fast temperature measurement mode: Detects face and takes temperature without identity authentication.
- Face mask wearing alert: If the recognizing face does not wear a mask, the device will prompt a voice reminder. At the same time, the authentication or attendance is valid/failed.
- Forced mask wearing alert: Configurable enable/disable force mask features.
- Displays temperature measurement results on the authentication page.
- Triggers voice prompt when detecting abnormal temperature.
- Configurable door status (open/close) when detecting abnormal temperature

Face Recognition

- Recognition distance: 0.5 to 1.5 m
- Multiple authentication modes are available: card and temperature, face and temperature, card and face and temperature, etc.
- Transmits online and offline temperature information to the client software via TCP/IP communication and saves the data on the client software
- Suggested height for face recognition: between 1.4 m and 1.9 m.
- Supports 6 attendance status, including check in, check out, break in, break out, overtime in, overtime out.
- Watchdog design and tamper function
- Audio prompt for authentication result
- NTP, manually time synchronization, and auto synchronization
- Imports and export data to the device from the client software

Access Control Terminal

- Connects to external access controller or Wiegand card reader via Wiegand protocol.
- Support all kind of access control system including glass/wooden door access, tripod turnstile, swing gate, flap barrier, vehicle arm barrier system.
- Connects to secure door control unit via RS-485 protocol to avoid the door opening when the terminal is destroyed.
- Antipass back module (Optional)



Application Scenarios



Dormitory



Construction



School



Healthcare



Factory



Shipyard



Office

Note:

Biometric recognition products are not 100% applicable to anti-spoofing environments. If you require a higher security level, use multiple authentication modes.

In order to get an accurate temperature, after the device is powered on, you should wait for 90 min to warm the device up

Specifications

Temperature measurement	
Temperature range	30 °C to 45 °C (86 °F to 113 °F)
Sensor	Vanadium Oxide uncooled sensor
Resolution	120 × 160
Frame rate	25 fps
Accuracy	± 0.5 °C, without black body calibration
Measuring distance	0.5 to 1.5 m
Screen	
Size	7-inch
Type	Touch screen
Camera	
Pixel	2 MP
Lens	Dual-lens
Network	
Wired network	Support, 10/100/1000 Mbps self-adaptive
Interface	
Data Communication	Network Interface x 1, RS-485 x 1
Door Controller Connection	Lock Output x 1, Exit Button x 1, Door Contact input x 1, Tamper x 1
External Reader Connection	Wiegand x 1
Alarm Connection	NA
Capacity	
Face capacity	6,000
Card capacity	6,000
Event capacity	100,000
Authentication	
Card type	Mifare
Card reading distance	0 to 5 cm
Card reading duration	< 1 s
Face recognition duration	< 0.2 s per person
Face recognition distance	0.5 to 1.5 m
Function	
Face anti-spoofing	Support
Audio prompt	Support
Others	
Power supply	12 VDC/2 A
Working temperature	0 °C to 50 °C (32 °F to 122 °F) For temperature measurement: 10 °C to 35 °C (50 °F to 95 °F)
Working humidity	10 to 90% (No condensing)
Application environment	Indoor and windless environment use only
IP Rating	65