AI Fever Screening and Access Control System   *LPS*

Face Recognition Terminal with Temperature Measurement

FRT-1

Accurate Temperature Detection

- Non-contact temperature measurement by thermal infrared thermopile sensor
- Quick temperature measurement within 300ms with a precision of ±0.3°C at 30cm distance
- Set your own acceptable temperature thresholds

Face Recognition

- Accurate and fast recognition speed under 0.5 seconds
- Face recognition distance: 0.3m to 1.5m
- Facial recognition with and without mask
- 24,000 face library capacity and 160,000 face records
- Auto infrared and white fill light compensation, support face recognition under weak light
- Anti-spoofing from a photograph or 3D printed masks

High Performance Hardware Configuration

- 7-inches IPS HD display and dual-core processor
- On screen messages displays face recognition data and temperature measurement results
- Built-in speaker provide voice prompts including face mask wearing alert, forced mask wearing alert, normal temperature and high temperature detecting.
- Supports English and Thai languages
- Support various expansion interfaces; Wiegand 26/34 input and output, RS-485, USB, RJ45,and switch output
- Communicates with the turnstile via Wiegand and switch output
- Support H.265 video compression coding for recording and storing on NVR or other storage devices
- Provide a variety of installation methods, such as wall mounted, floor standing or turnstile gates (option)
- Configuration via web browser and able to export logs to excel file via optional monitoring software
- Face record data monitoring on cloud server (option)

Wide Applications

- Integrate with gates, turnstiles, door access control or time attendance system
- Configurable open door status when detecting normal tempeature and face mask wearing
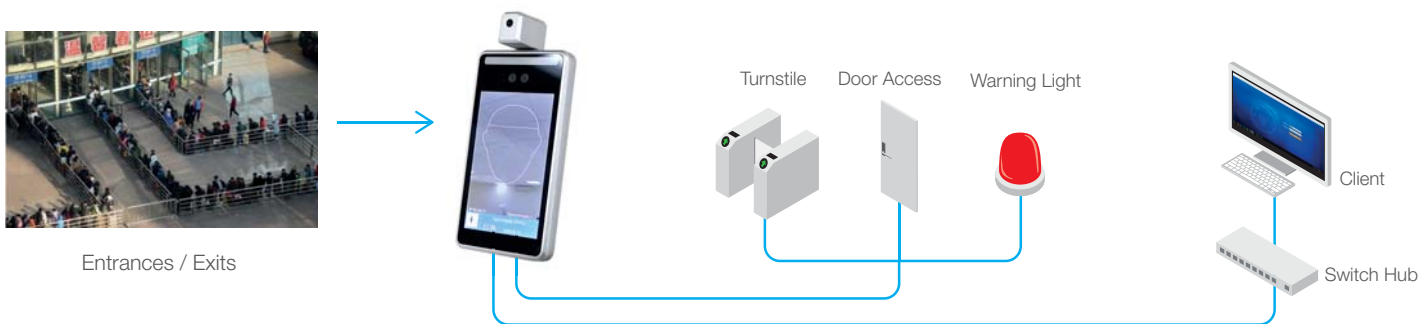- Suitable for schools, campus, offices, stores, factories, airport, financial industries, government etc.

Wall mounted

Floor standing   Turnstile (option)

Face record data monitoring on cloud server (option)

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Face Recognition Terminal with Temperature Measurement (FRT-1)

Entrances / Exits

Turnstile   Door Access   Warning Light

Client

Switch Hub

Dual Lens Camera	Image sensor	1/28" Progressive Scan CMOS
	Image resolution	2 MP, 1920 x 1080 pixels
	Minimum illumination	Color 0.01 Lux @F1.2 (ICR), B/W 0.001 Lux @F1.2 (ICR)
	WDR	120 dB, ISP algorithm face partial exposure
	SNR	≥50dB (AGC off)
	Lens	6mm.
Temperature Measurement	Sensor type	Thermal infrared thermopile sensor (medical-grade)
	Measurement range	16 - 40°C (indoor and windless)
	Measurement accuracy	± 0.3°C
	Temperature resolution	0.1°C
	Measurement distance	≤ 30 cm
	Measurement response time	300 ms
Face Recognition	Recognition distance	0.3 - 1.5 m
	Recognition height	1.2 - 2.2 m, adjustable angle
	Recognition time	< 0.5 sec.
	Face capacity	24,000 faces
	Face recognition records	160,000 face records
Hardware	Power	12 Vdc / 2A (14.1W max.)
	Processor	Dual-core processor (Hi3516D V300)
	Memory	1GB RAM +16GB Flash
	Operating system	Linux
	Display	7-inch IPS HD screen
	Light compensation	White LED and Infrared
	Angle range	Horizontal: ±30°, Vertical: ±30°
	Installation method	Wall mounted and floor standing, stand for turnstile is optional
Interface	Network	RJ45 10/100Mbps Ethernet
	USB	1 x USB 2.0
	Switch	1 x Switch output
	Wiegand	1 x WG26/34 input, 1 x WG26/34 output
	RS-485	1 x RS-485
	Power	DC 12V, 2A
Environment	Application	Indoor and windless
	Operating temperature	10 - 45°C
	Relative humidity	0 - 90% (non-condensing)
Dimension	W x H x D in mm.	128 x 240 x 28mm (without bracket)
Weight		1.7 kg

Note: This product is designed to be use as a screening device, not a medical devices. FRT is not intended for medical purposes.
Continuous product development is our commitment. In that manner, the above specifications may be changed without prior notice.