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## Temperature measurement face recognition terminal STD-5MA072L1-ME-F05

### Product description:

#### ▪ Remote accurate temperature measurement:

Equipped with multi-point infrared non-contact temperature measurement module, the temperature measurement distance is up to 0.5M, and the temperature measurement accuracy is 0.5°C. The terminal can measure temperature in real time, automatically collect and record body temperature information.

#### ▪ Abnormal temperature warning:

If body temperature data exceeds the threshold set by the user, the terminal will issue an abnormal warning to effectively screen people with abnormal body temperature.

#### ▪ Recognition of wearing a mask:

Mask detection function is integrated to determine whether the passer-by is wearing a mask. At the same time, it can perform the face recognition and comparison of mask-wearing person, so as to ensure the safety of person's identity.

#### ▪ Face recognition:

Based on face recognition technology, it can realize non-contact access control and attendance, effectively avoiding the potential risks brought by traditional contact access control and attendance.

#### ▪ Binocular living-body anti-counterfeiting detection

Equipped with binocular cameras, it can effectively resist cheating attacks such as photos and videos to ensure data accuracy.

#### ▪ Ten-thousand-level face database:

It is equipped with a 10,000-level face database as standard. Through face recognition and comparison, it can quickly lock the identity of the target with abnormal body temperature, and improve work efficiency of pre-warning, in-process processing, and post-tracing.

#### ▪ Safe and stable:

It adopts high-performance, high-stability embedded Linux system and built-in high-performance AI processor.

#### ▪ Rapid deployment:

Supporting turnstiles and wall mounting, optional WIFI/4G networking communication mode, rapid deployment to meet the needs of various installation environments and scenarios, reducing the risk of cross-infection, and saving manpower and material resources.

#### ▪ Use environment

Using an external temperature measurement module, the temperature measurement accuracy is not affected by the working temperature of the fuselage, as well as the fuselage IP54 protection level



## /Order model:

Type	Description
STD-5MA0721-E-F05	The temperature measurement accuracy can reach 0.5°C, and the temperature measurement distance can reach 0.5M

## Application occasions:

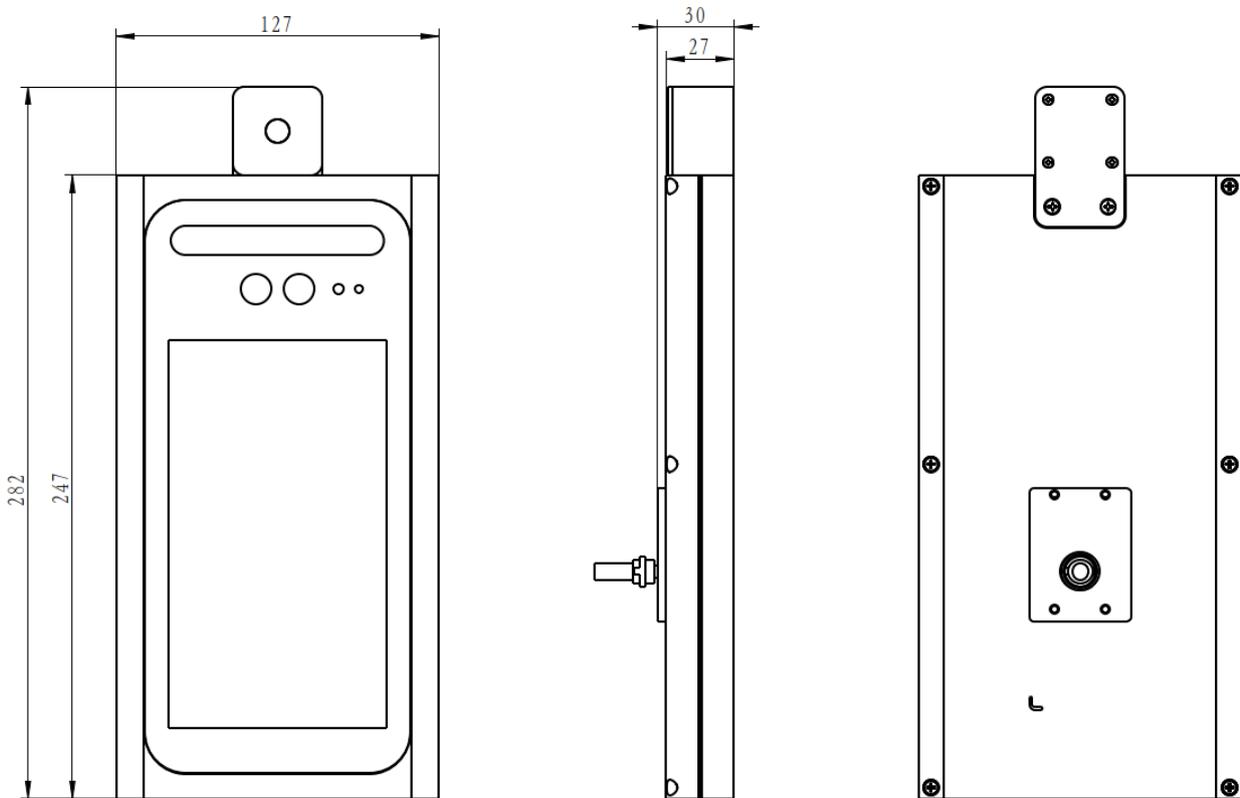
Applicable to subway stations, customs ports, airports, railway stations, hospitals, schools, communities, supermarkets, checkpoints and other places requiring rapid temperature check, and places where there is a demand for face access control and attendance or barrier passages

## Product parameters:

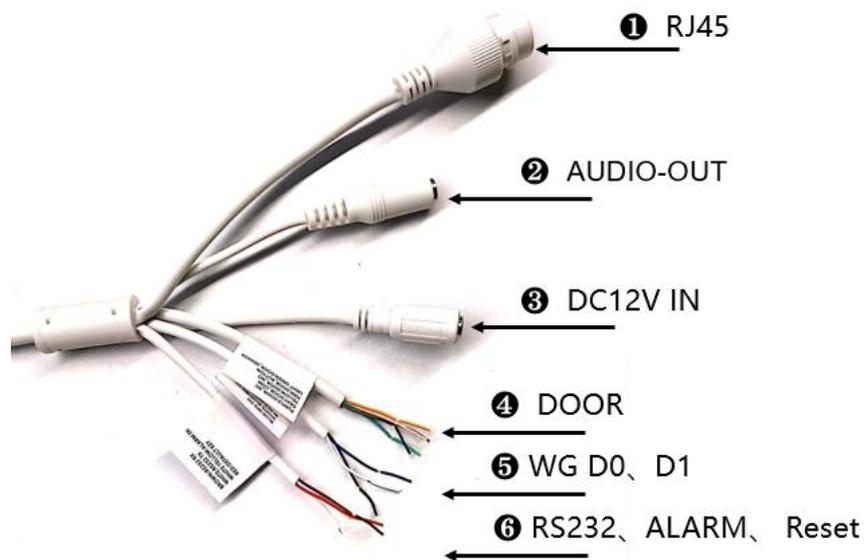
<b>Basic information</b>	Product name	7-inch binocular temperature measurement face recognition terminal
	Product number	STD-5MA0721-E-F05
	Operating system	Embedded Linux system
	Processor	Quad-core A55@1.5GHZ high-performance CPU
<b>Display screen</b>	Size	7-inch IPS full screen
	Brightness	450cd/m2
	Resolution	1024x600
<b>Camera</b>	Resolution	200W pixels (1920x1080)
	Sensor	1/2.7 inch low illumination CMOS sensor
	Lens	HD fixed focus 4mm & aperture F2.2
	Colour balance	Automatic, low color temperature, high color temperature, manual
	Wide dynamic	Digital wide dynamic and true wide dynamic
	Fill-in light	RGB (natural light) and infrared light
<b>Human body temperature measurement</b>	Measuring range	30°C~45°C
	Measuring distance	50cm
	Measuring error	±0.5°C
<b>Smart function</b>	Detection angle	Vertical viewing angle: 90 degrees, horizontal viewing angle: 53 degrees
	Face Detection	Maximum face detection
	Storage	30,000 face database, 150,000 records storage
	Face recognition	Recognition speed ≤0.2 seconds, recognition accuracy ≥99.97%
	Recognition distance	0.3m-2.0m adjustable
	Live detection	Support
	Parameter settings	Black and white list, identification parameters, image settings, information display, etc.
	Alarm management	Blacklist alarm, door overtime open alarm
	Mask detection	Support wearing-mask detection, automatic recognition voice reminder without mask
	Screen saver function	Customized screensaver display, personalized advertisement

<b>Interface</b>	Communication method	Ethernet
	Network Interface	1 10/100M network adaptive, RJ45 interface
	Access control interface	Door opening signal, door sensor status, switch button
	Wiegand interface	3 (D0, D1, GND) support Wiegand 26, 34
	Serial interface	1 RS232 serial port RX, TX
	Reset interface	Support
	Alarm interface	1 alarm input
	Audio interface	1-circuit 3.5mm standard audio output interface, built-in speaker, voice broadcast
	Platform protocol	Active registration, SDK, WebSocket, HTTP
<b>General parameters</b>	Power supply	DC12±20%/2A
	Working environment	Indoor wind-free environment, temperature maintained at 10℃~35℃ Humidity: 10~90%RH
	Protection level	antistatic: contact ±6KV, air ±8KV
	Installation level	Wall-mounted type, gate-mounted type; bracket optional
	Size(mm)	Length: 247mm, Width: 126.9mm, Thickness: 26.6mm (without bracket)
	Weight	About 1.5kg

**Product size:** (unit: mm)



## Interface definition:



No.	Interface name	Specification	Remarks
1	Network Interface	RJ45	
2	Audio port	Audio output 3.5mm interface	Audio output interface
3	Power connector	DC12V IN	Ø5.5mm specification
4	Door lock interface	Normally-open interface DOOR_NC	Purple
		Signal earth DOOR_COM	Grey
		Normally closed interface DOOR_NO	Yellow
		Door open button DOOR_BUTTON	Pink
		Door sensor status DOOR_SENSOR	Green
5	Wiegand interface	Wiegand D0	Blue
		Wiegand D1	White blue
		Ground GND	Black
6	RS232 interface	RS232 RX	Brown
		RS232 TX	White
	Alarm interface	Alarm input ALARM IN	White yellow
	Reset interface	Reset interface DEFAULT KEY	Red

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## Precautions

1. The equipment should be installed in an indoor environment free of wind, and the indoor environment temperature should be kept at 10°C~35°C;
  2. The device needs to be warmed up for more than 5 minutes after powering on, so that the temperature measuring device can reach thermal equilibrium;
  3. People entering room from a cold outdoor environment will affect the temperature measurement accuracy;
  4. It is necessary to ensure that there is no heating source or air-conditioning vent within 3 meters of the equipment;
  5. Forehead temperature test needs to be performed indoors without covering forehead for three minutes and the temperature is stable;
  6. Being exposed to certain factors may change the temperature of forehead, such as showers, hair dryers, sprays, etc.;
  7. If there is oil, makeup, oxygen mask on forehead, makeup, or wrinkles in the elderly, the temperature read will be lower than actual temperature;
  8. The temperature read is the temperature where the projection is located. Make sure that there is no hair or clothing blocking.
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