8-inch temperature measurement face recognition terminal

STD-5MC082L1-MCE-C05

Product description:

▪ **Remote accurate temperature measurement:**

Equipped with multi-point infrared non-contact temperature measurement module, the temperature measurement distance is up to 50cm, and the temperature measurement accuracy is 0.5℃. 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. Supporting turnstiles and wall mounting, 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

Order model:

Type	Description
STD-5MC082L1-MCE-C05	The temperature measurement accuracy can reach 0.5℃, and the temperature measurement distance can reach 50cm.

Application occasions:

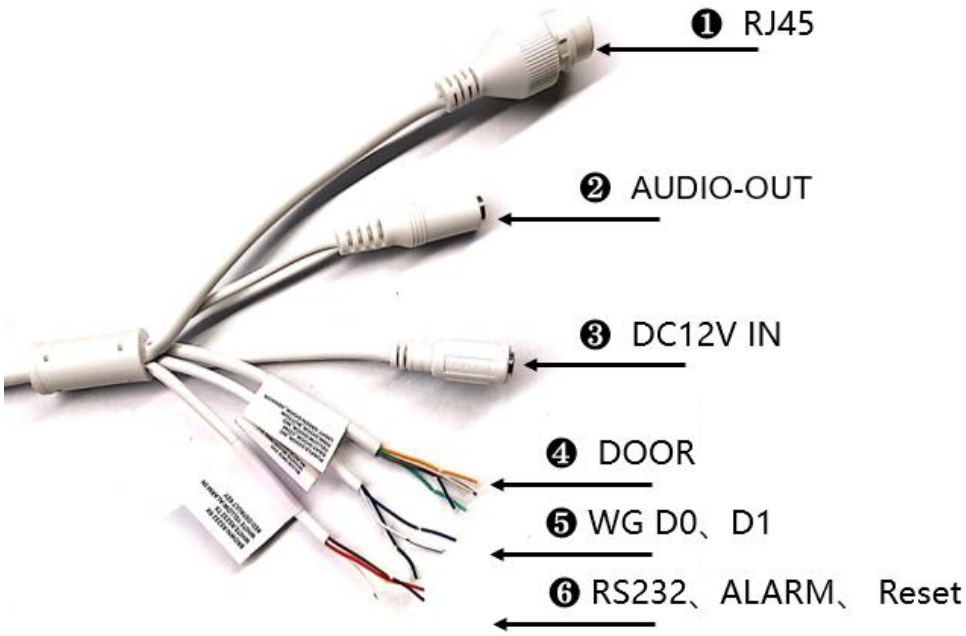
Applicable to subway stations, customs ports, airports, railway stations, hospitals, schools, communities, supermarkets, checkpoints and other places requiring rapid temperature check, and places where there is a demand for face access control and attendance or barrier passages.

Product parameters:

Basic information	Product name	8-inch temperature measurement face recognition terminal
	Product number	STD-5MC082L1-MCE-C05
	Operating system	Embedded Linux system
	Processor	Quad-core A55@1.5GHZ high-performance CPU
Display screen	Size	8-inch IPS full screen
	Brightness	450cd/m2
	Resolution	800*1280
Camera	Resolution	200W pixels (1920×1080)
	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
Human body temperature measurement	Measuring range	30℃~45℃
	Measuring distance	50cm
	Measuring accuracy	up to 0.5℃
Smart function	Detection angle	Vertical viewing angle: 90 degrees, horizontal viewing angle: 53 degrees
	Face Detection	Maximum face detection
	Storage	Suitable 30,000 face base library, 30,000 card library, 150,000 records
	Accurate recognition	1: N recognition speed ≤0.2S/person, recognition accuracy ≥99.97%
	Recognition distance	0.3m-2.0m adjustable
	Live detection	Support
	Ways of identifying	Support swiping face, swipe IC card, ID card physical card,face & swipe card
	Parameter settings	Black and white list, identification parameters, image settings, information display, etc.
	Alarm management	Blacklist alarm, door overtime open alarm
	Operating mode	Support online and offline work
Interface	Communication method	Wired
	Network Interface	1 10/100M network adaptive, RJ45 interface

	Access control interface	Door opening signal, door sensor status, switch button
	Wiegand interface	1 R Wiegand (D0, D1, GND) support Wiegand 26, 34
	Serial interface	1 RS232 serial port RX, TX
	Reset interface	Support
	Alarm interface	1 alarm output
	Audio interface	1-circuit 3.5mm standard audio output interface, Built-in speaker, voice broadcast
	Platform protocol	Active registration, SDK, WebSocket, HTTP reverse
General parameters	Power supply	DC12V±20%
	Power consumption	≤15W
	Working environment	Indoor wind-free environment, temperature maintained at 10℃~35℃ Humidity: 10～90%RH
	Protection level	antistatic: contact ±6KV, air ±8KV
	Installation level	Optional wall mounting and gate mounting
	尺寸(mm) Size(mm)	256(L)*124(W)*21（H）mm
	Weight	≈1.5Kg

Interface definition:



No.	Interface name	Specification	Remarks
1	**Network Interface**	RJ45	
2	**Audio port**	Audio output 3.5mm 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

Precautions

1. The equipment should be installed in an indoor environment free of wind, and the indoor environment temperature should be kept at 10℃~35℃;
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.