

# Thermal Security System



## Application scenario

Suitable for office areas, hotels, access gates, office buildings, schools, shopping malls, shops, communities, public service and management projects and other places where face access control is required.

## Type

SAFETEC V1, SAFETEC V1-D ,SAFETEC V1-K, SAFETEC V1-O,SAFETEC V1-W

## Product Features

1. Support camera to capture face to activate device;
2. Supports serial port, Wiegand 26, 34 input and output;
3. Using video stream-based dynamic face detection,tracking recognition

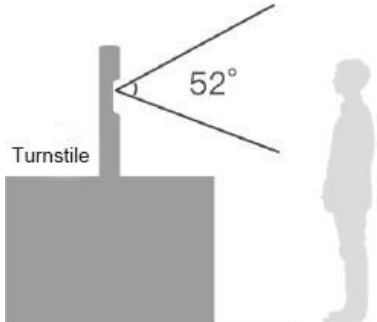
algorithm;

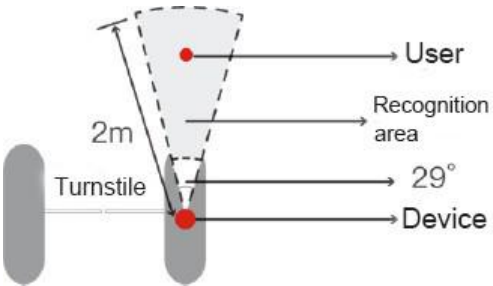
4. Support device local storage of 10,000 face libraries;

5 . When the face database is 3,000 , misrecognition rate is 3 in 10,000, 1: N

recognition accuracy rate is 99.7%;

6. Fast recognition speed: (a) face tracking and detection takes about 20ms, (b) face feature extraction takes about 200ms, (c) face comparison takes about 0.2ms(1000 people database, multiple identification to get the average), 0.5ms(10,000 face database, multiple identification to get the average);
7. Binocular with infrared fill light camera;
8. Support live photo saving during face recognition or stranger detection;
9. Support HTTP Interface connection;
10. Support public network and local area network deployment;
11. Support stranger ompared with ID card function;
12. Provide SDK development kits to support docking with major enterprises and institutions (docking);

Product Specification		
Thermal Security System		
Product number		10S-T-M8-T
Screen	size	8 inch, IPS LCD screen
	brightness	350 LU
	Resolution	800*1028 HD screen
Camera	Resolution	200W*200W
	Camera quantity	2
	Type	RGB camera, living body dynamic binocular camera, thermal imaging camera
	Aperture	F2.0
	Focal length	6mm
	White balance	automatic
	Wide dynamic	support
	Vertical wide angle	

	Horizontal angle	
Core parameters	CPU	4 cores, 1.8GHz
	Device interface	2GB memory, 8GB storage
Interface	Audio	1 audio output (line out)
	Video	HDMI2.0 Type-A interface 1
	Serial communication interface	1 RS232 interface
	Relay output	1 relay interface
	Wigan output	1 Wiegand output interface, supports Wiegand 26 and 34
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	Network Interface	1 RJ45 10M / 100M adaptive Ethernet port, WIFI
Features	Face Detection	Supports detection and tracking of 5 people at the same time
	1:N face recognition	Under the false recognition rate is 3 in 10,000,the recognition accuracy rate is 99.7%
	Stranger detection	support
	Identify distane configuration	support

	Living body detection	support
	UI interface configuration	support
	Remote device upgrade	support
	Deployment method	Support use public network and local area network
	Stranger compared with ID card	Support (purchase ID card reader separately)
	Protection class	IP42, certain dust and water resistance
	power supply	DC12V (±10%)

General parameters	Operating temperature	-10°C ~ 60°C (Optional thermostat))
	Working humidity	10% ~ 90 %
	Power consumption	10W MAX
	Device size	240*120*24 (mm)
	Weight	≈1.3kg

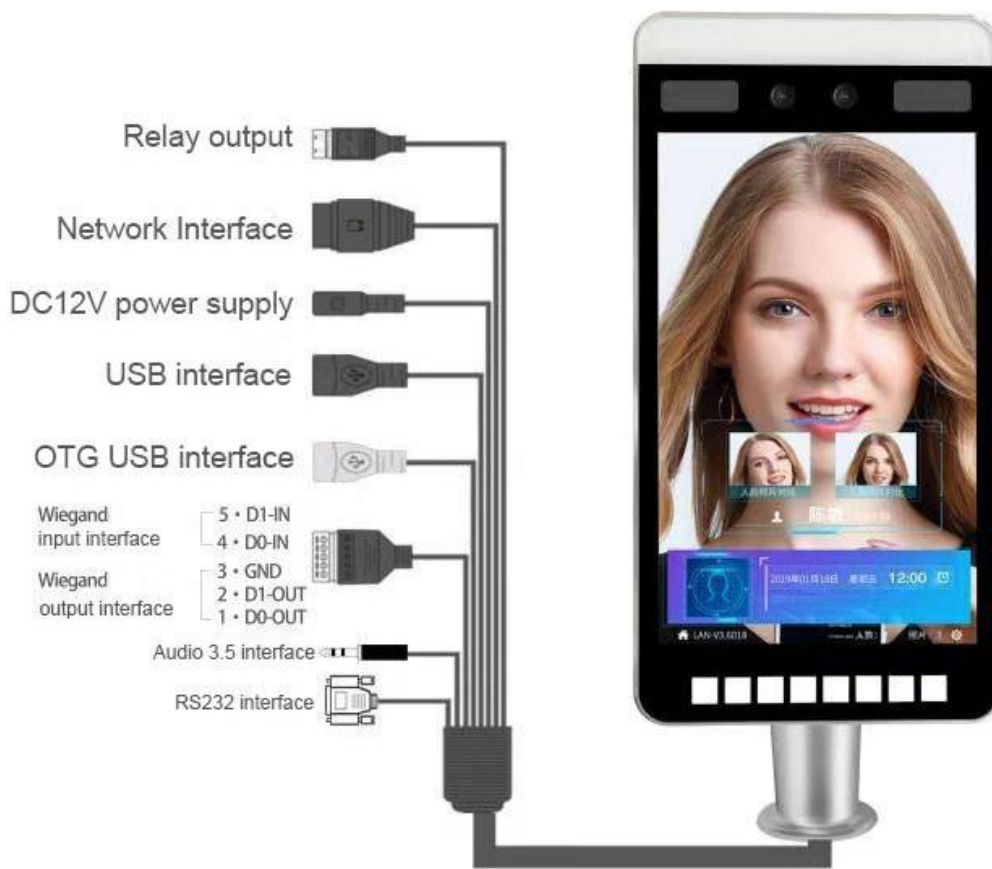
## Size (mm)



## Installation

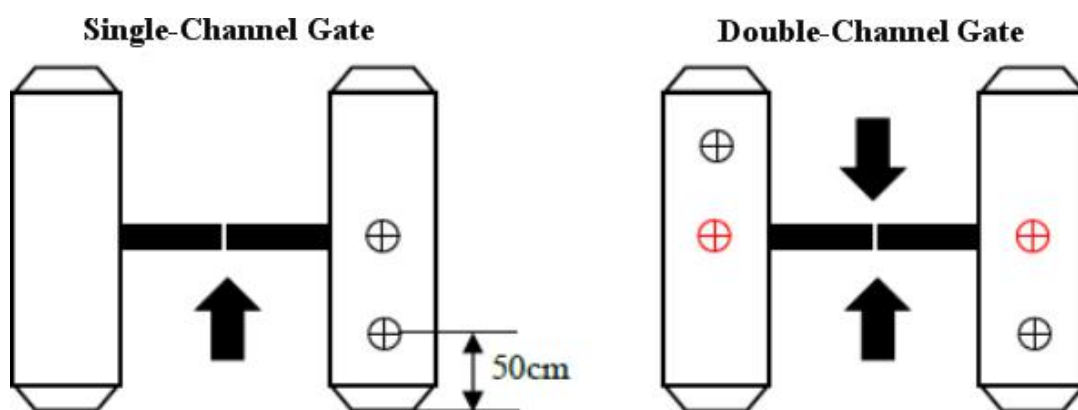
A.Appearance instructions

Interface



## B Appearance Instruction Description

①According to the requirements of the installation site, in the space position on the gate, generally a hole of 35mm diameter is opened in the middle or front side. As below image, ⊕ is the suggest place for open a hole.



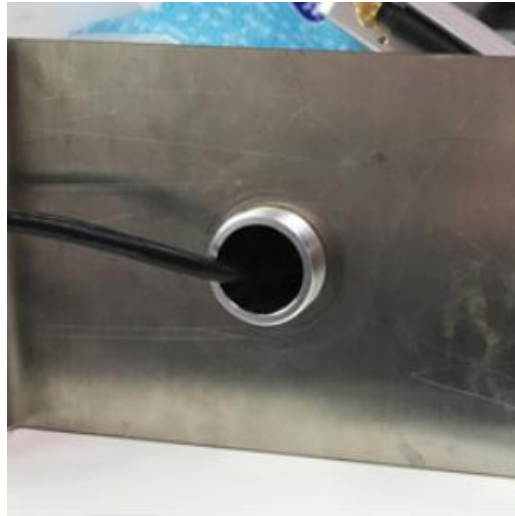
**Note:** The position of the hole should be based on the actual application scenario and gate type, 50cm is only a reference value.

②Unscrew the nut at the bottom of the gate head post, thread the cable out of the nut, and remove the nut as shown.

**Note:** Do not connect network cables, power cables, etc. at this time to avoid installation trouble



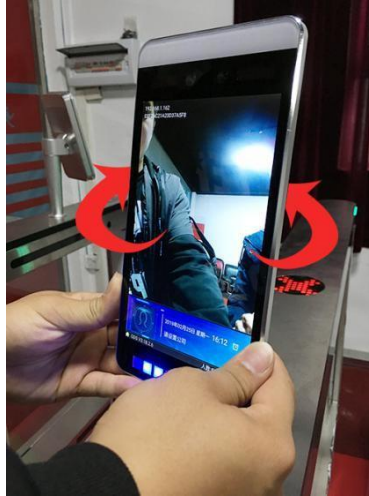
③Insert the gate head and cable from top to bottom into the opening hole, as shown in the figure.



④Under the gate, pass the cable and cable interface through the nut in turn, and tighten the nut to the thread, as shown in the figure.

⑤Connect power,network to starting machine.

⑥Hold the frame with both hands and turn it gently to adjust the gate angle, as shown in the figure. According to the recognition interface, adjust the gate head to a proper recognition angle.



#### **FCC Warning Statement**

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

#### **FCC Radiation Exposure Statement**

The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located for operating in conjunction with any other antenna or transmitter.