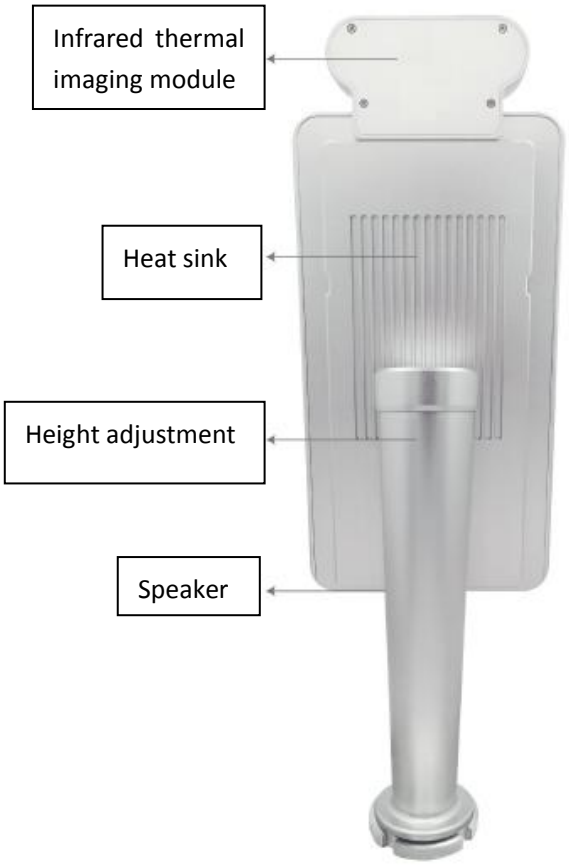
Product introduction of 8-inch body temperature measuring all-in-one machine

Product Brief:

Wall-mounted temperature measurement face recognition access management module, using Rockchip RK3288 high-performance hardware platform, equipped with industrial-grade binocular camera and face biometric recognition technology, and infrared human body temperature measurement module, is a high-performance, high reliability product. Support 1:1 and 1:N face comparison and retrieval, support mask recognition, support human body temperature detection, high temperature warning, and support the expansion of various peripherals such as ID card reader, fingerprint reader, etc., can be applied to access control and attendance to achieve safe and efficient access control for personnel.



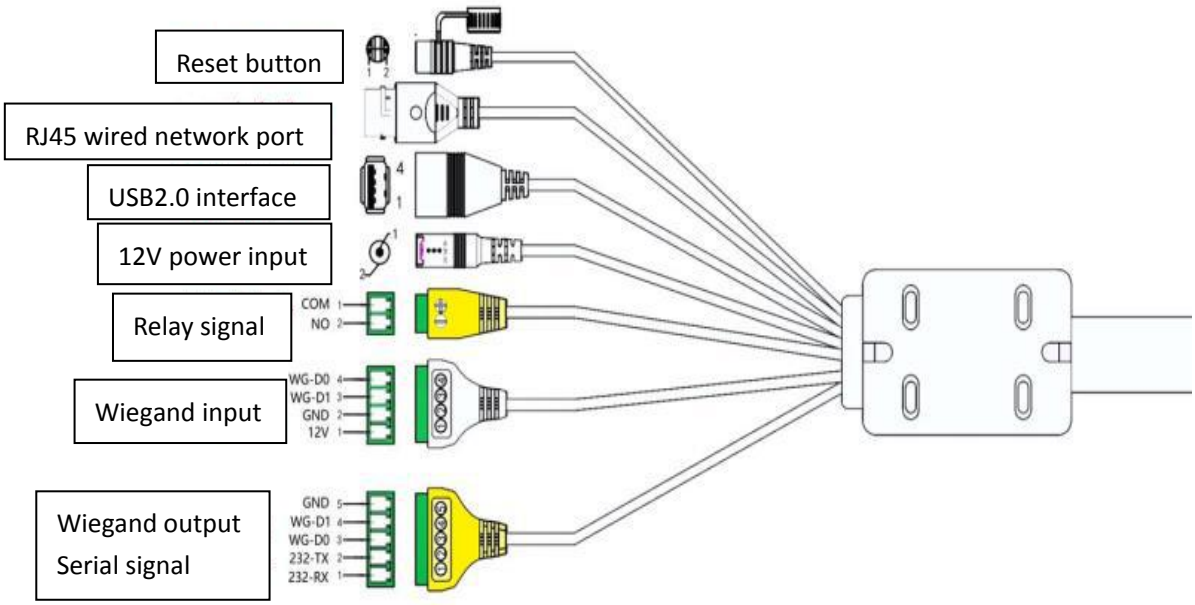
Features:

1. Using 8-inch IPS full-view LCD display.
2. Industrial grade appearance, waterproof and dustproof design, stable and reliable.
3. Support 20,000 face database. The 1:1 comparison recognition rate is over 99.7%, the 1:N comparison recognition rate is over 96.7%@0.1% false recognition rate, and the living body detection accuracy rate is 98.3%@1% false rejection rate. The speed of face recognition is less than 1 second.
4. **Support accurate face recognition and comparison while wearing a mask.**
5. Using industrial-grade binocular wide dynamic camera, night infrared and LED dual photo flood lamp.
6. Standard Rockchip RK3288 quad-core processor, Cortex A17, 1.8G, powerful performance.
7. **Support human body temperature detection and temperature display. 1 meter ultra-distant body temperature detection, the measurement error is plus or minus 0.3^{o}C. Support automatic alarm of abnormal body temperature, only takes a few second for detection, real-time export of attendance temperature measurement data.**

8. Support various peripheral expansion such as ID card reader, fingerprint reader, IC card reader, QR code reader, etc. but this function is unopened.
9. Support system level, APP offline level, APP + background network level multiple API docking. The documentation is complete and supports secondary development.

Definition of wire interface

Definition of external terminals for face recognition

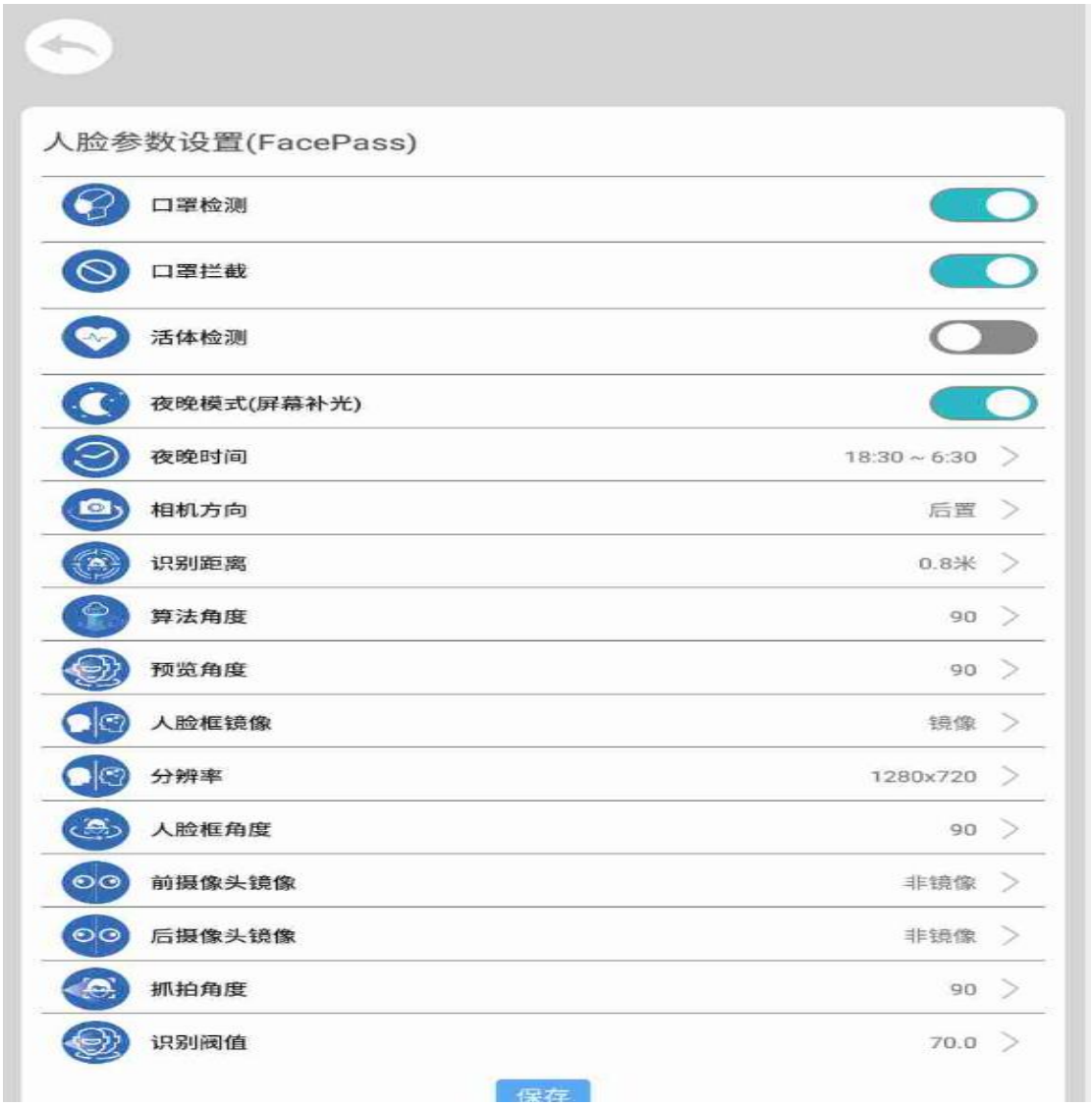


Specification：

System	CPU	RK3288, Quad Core,Cortex A17,1.8G
	RAM	2GB
	ROM	8G
	Operating System	Android 7.1
Screen	LCD display	8inch LCD
	Resolution	800*1280
	Contrast	800:1
	Brightness	250 cd/m2
	Touch Screen	Non-touch（Touch optional）
	screen rati	.16:9
Network	WiFi	802.11b/g/n
	Ethernet	100M / 1000M RJ45 Port
	Bluetooth	Bluetooth 4.0
Camera	Resolution	200W
	Types	dynamic binocular camera
	aperture	F2.4
	Focusing distance	50-150cm
	White balance	Auto
	flash	NIR: 850nm infrared LED light
Interface	USB Hostx	USB Host 2.0 *1
	USB-OTG	USB-OTG *1
	Wired network interface	Ethernet interface
	Serial interface	1 RS232 serial port
	Relay output	1 door open signal output
	Wiegand Interface	Wiegand 26/34 , one in & one out
	Upgrade button	Support Uboot Update button
	Power jack	DC input
Function	Face Capacity	Max 20k
	1: N face recognition	support
	1: 1 face comparison	support
	Recognition distance configuration	support
	Remote device upgrade	support
	UI interface configuration	support
	Device interface	photo management, record query, etc.
	Deployment method	deployment, LAN use, stand-alone use
	Mask recognition	support
	Stranger detection	support
Infrared thermal imaging module	Human body temperature detection	support
	Temperature detection distance	1m（The best distance is 0.5 meters）
	Temperature measurement accuracy	≤ ±0.3℃
	Temperature measurement range	10℃~42℃
	Visitor's body temperature is normally releas	support
	Body temperature over temperature alarm	Support (temperature alarm value can be set)
Media player	Video format	H.264,VP8,RV,WMV,AVS,H.263,MPEG4,etc
	audio format	MP3,WMA,WAV, APE, FLAC, AAC, OGG,M4A,3GPP
	Image Format	Picture zoom function
Others	Speaker	1.5W/4R
	Microphone	support
	Card reader	support
	OSD language	Multi language supported.
	Operating temperature	0--40degree
General parameters	power supply	DC12V 3A
	Operating temperature	0℃~40℃
	Storage temperature	-20℃~60℃
	Installation method	wall mount / floor stand (optional)
	Power consumption	13.5W（Max）

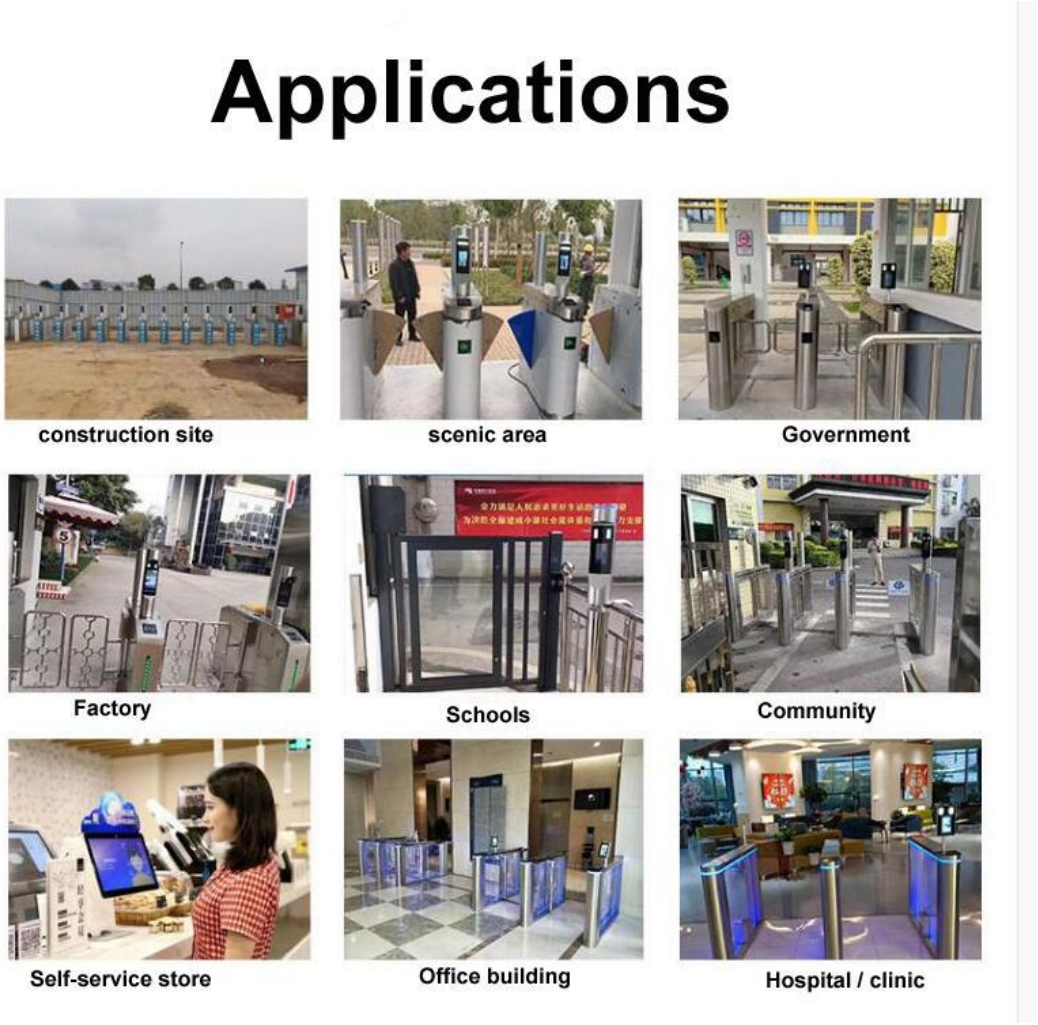
The software background supports switching between Chinese and English software settings, and supports multiple languages such as simplified Chinese, English, Italian, Polish, German, Russian, Thai, Spanish, French, Arabic, Korean, Vietnamese, Indonesian, Czech Chinese, Romanian, Japanese, Kazakh, Slovak, Dutch, Portuguese, etc.

Support mask mode, mask interception, living body detection, high temperature alarm and other functions.



Application scenario:

Can be matched with access gates and access control for communities, office buildings, schools, hotels, scenic spots, transportation hub centers and other public service places.



Installation method:

Support wall-mounted, floor-mounted, desktop installation.


36.5℃
识别：陌生人
温度：36.5℃

FCC Warning

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any inte rference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: 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 interferenceto 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.

Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.