Face Recognition
Pass Management Module

TECHLEAD
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RK3288
high-performance chip

Android 7.1 system

7/9 line port

Rj45

Built-in WIFI

Support EDP/MIPI
dot screen

Support face
recognition

Support wigan, relay

With access control and gate control, it is suitable for communities, schools, transportation hubs, shopping malls, office buildings, hotels, scenic spots and other public service places.

Product Presentation

This product USES ruixin micro RK3288 chip, cortex-a17 quad-core processor, running Android7.1 system, the main frequency up to 1.8 GHz, super performance.Adopt Mali-T764 GPU, support 4K, h. 265 hard decoding.

Product Features

- The default storage configuration of the product is 2+8G.
- Voltage direct current input: DC+12V, normal working mode <4.5w, standby mode.0.3 W.
- Support hd video and picture playback, support edp-1920 *1080, mipi-1200 *1920 display output.
- Timing switch machine functions: support local daily and weekly mode timing switch machine Settings, support network timing switch machine interface call.
- Simple operation, high stability, high precision, convenient upper layer of APP development and call.
- In the shutdown period to achieve a real shutdown system, external equipment does not respond, energy conservation and environmental protection, and extend the service life of products and peripherals.
- Support Android system customization, provide system API interface code, perfect support customer upper layer APP development.
- Perfect support for all kinds of peripherals, common peripherals support list and peripheral driver debugging.

Product specification

Face recognition camera	Resolution	200W pixel
	Class type	Binocular wide dynamic camera
	Circle of light	F2.4
	Focal distance	50-200cm
	White balance	Automatic
	Fill light	LED and infrared double fill lights
Infrared thermal imaging module	Temperature detection	support
	Detection distance	0.5m - 1m (0.5m is the best distance)
	Temperature measurement accuracy	⩽±0.5℃
	Temperature measurement range	10℃-42℃
	Prime spot	32*32 lattice (total 1024 pixels)
	Temperature normal	Released by
	Temperature anomalies	No access for alarm (temperature alarm value can be set)
	Temperature of the unit	℃/℉
The screen	Size	8 inch IPS LED screen
	Resolution	800x1280
	Touch	Touch is not supported
Configuration	CPU	Rk3288, quad-core arm-a17, 1.8GHz
	GPU	Mali-T764
	Memory	DDR 2GB (4G optional)
	Built-in memory	8G (16G/32G/64G optional)
	Operating system	Android 7.1.2
	Network module	Support Ethernet, wireless WIFI
	Audio	Support 2.5w /4R sound
Interface	USB interface	USB OTG(optional), USB HOST standard port A
	Serial communication interface	Rs232 serial port (optional)
	Relay output	Open the door signal

Interface	Wiggins interface	Wigan 26/34 output, wigan 26/34 input
	Reset button	UBOOT reset button
	Ethernet interface	Rj45 Ethernet seat
Function	Credit card machine	Optional IC/ ID card reader
	Face detection	Also supports detection and tracking of multiple people
	Face library support	Up to 30000
	Face recognition	Support 1: N
	Face than	Support 1:1
	Stranger detection	Support
	Recognition distance configuration	Support
	Ui interface configuration	Support
	Remote upgrade of equipment	Support
	Device sync PC	Support
	LAN connection	Support
	Access records	Up to 3 months
	Personnel management	Support
	Attendance management	Support
	System upgrade	Support network upgrade, USB upgrade, computer upgrade
	RTC real time clock	RTC real-time clock support
	Time switch machine	Support
Conventional parameters	Power	DC 12V
	Working temperature	-20℃~70℃
	Storage temperature	15℃~45℃
	Power consumption	<4.5W
	Installation	Desktop style/floor style/brake stand style
	Product size	128*230*33mm
	Packing list	Complete machine, power adapter, specification, certificate

Precautions for assembly

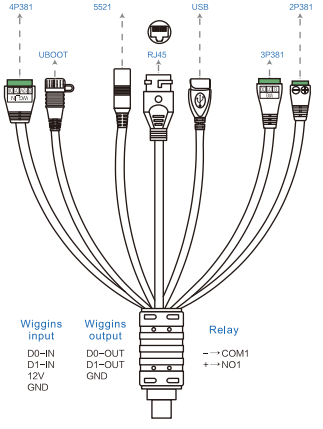
During assembly, note the following (but not limited to) problem points:

1. Relative humidity ≤ 75%
2. Storage temperature: +15°C to +45°C
3. Operating temperature: from minus 20°C to above 70°C (-20°C ~ +70°C)
4. Pay attention to anti-static treatment during assembly and transportation of the whole machine.
5. When the whole machine is assembled, it can be mounted on the bottom or side, but the board should not be deformed or distorted, and it should not be under heavy pressure.
6. The wiring position of each terminal should be kept at a proper distance, so as not to cause extrusion of the terminal during installation.
7. The connection line between the board and the supporting module board should not be too long, otherwise the image quality may be affected.
8. The internal wiring of the whole machine should be reasonable, and the connecting wires should not pass through directly from the PCB board as far as possible.
9. In order to achieve better EMC effect of the whole machine, it is recommended to use shielding wire for the screen wire between the motherboard and the screen.

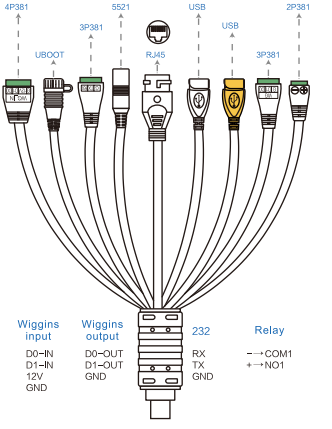
1. Product size

2. Product description

3. Description of wiring port



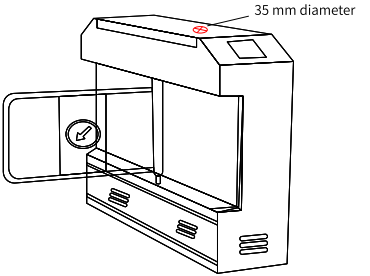
Seven line port



Nine line port

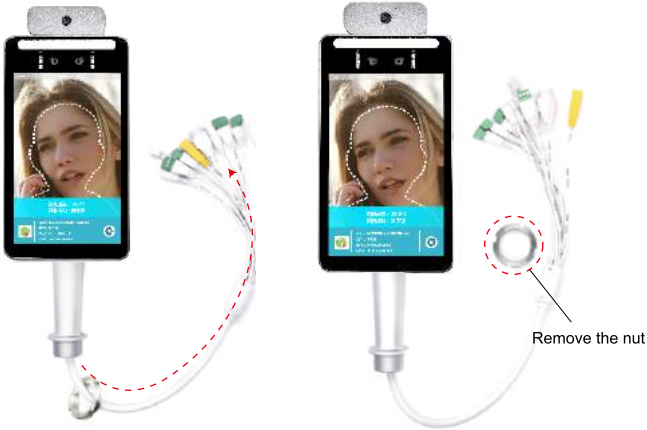
4. Installation method (taking brake machine as an example)

① According to the requirements of the installation site, open an aperture with a diameter of 35mm at the spatial position of the brake (generally the middle or front side) (as shown in the figure below).



Note: the position of the opening should be based on the type and scene of the actual brake, and 35mm is only the reference value.

② Unscrew the nut at the bottom of the vertical column of the temperature measuring equipment, thread the cable out of the nut and take out the nut.



③ At the bottom of the brake machine, pass the cable and cable interface through the cut and nut of the brake machine in turn, tighten the nut, connect the power supply and other interfaces, and the equipment is started to enter the temperature measurement software.