

# Face Recognition Pass Management Module

☐ HY-208FRP    ☐ HY-308FRP    ☐ HY-207FRP    ☐ HY-2010FRP  
☐ HY-208TFRP    ☐ HY-308TFRP    ☐ HY-207TFRP    ☐ HY-2010TFRP



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

<b>Face recognition camera</b>	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
<b>Infrared thermal imaging module</b>	Temperature detection	support
	Detection distance	0.5m - 1m (0.5m is the best distance)
	Temperature measurement accuracy	$\leq \pm 0.5^{\circ}\text{C}$
	Temperature measurement range	$10^{\circ}\text{C}$ - $42^{\circ}\text{C}$
	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	$^{\circ}\text{C}/^{\circ}\text{F}$
<b>The screen</b>	Size	8 inch IPS LED screen
	Resolution	800x1280
	Touch	Touch is not supported
<b>Configuration</b>	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
<b>Interface</b>	USB interface	USB OTG(optional), USB HOST standard port A
	Serial communication interface	Rs232 serial port (optional)
	Relay output	Open the door signal

<b>Interface</b>	Wiggins interface	Wigan 26/34 output, wigan 26/34 input
	Reset button	UBOOT reset button
	Ethernet interface	RJ45 Ethernet seat
<b>Function</b>	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
<b>Conventional parameters</b>	Power	DC 12V
	Working temperature	-20°C~70°C
	Storage temperature	15°C~45°C
	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  $\leq 75\%$
2. Storage temperature:  $+15^{\circ}\text{C}$  to  $+45^{\circ}\text{C}$
3. Operating temperature: from minus  $20^{\circ}\text{C}$  to above  $70^{\circ}\text{C}$  ( $-20^{\circ}\text{C} \sim +70^{\circ}\text{C}$ )
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



## **Warning Statement**

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 interference received, including interference that may cause undesired operation.

Any 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 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.

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 & your body.