Product characteristics

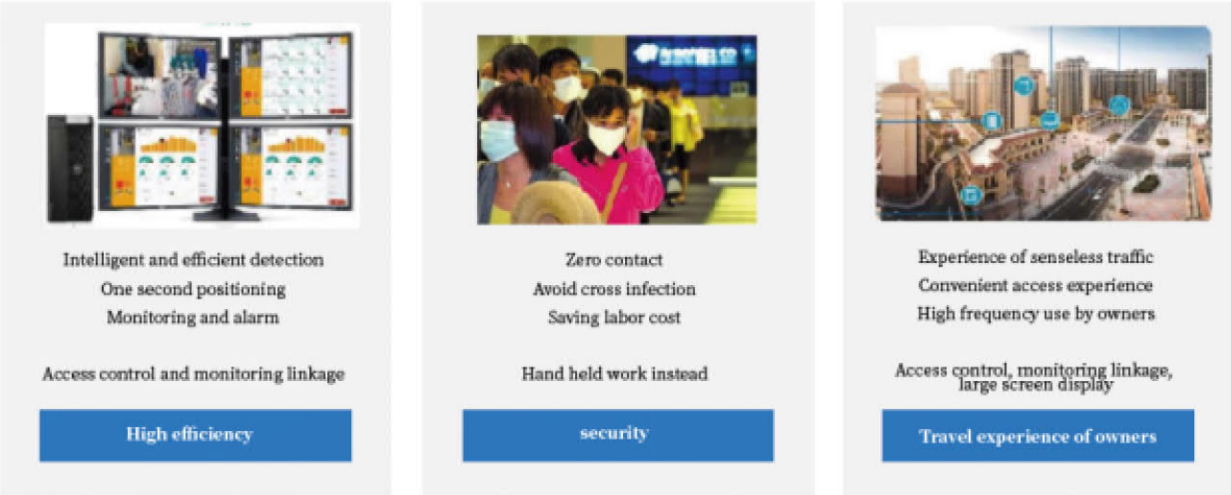
- Host running Android 7.1 operating system, using the latest face detection, recognition model, fast face capture, intelligent face quality judgment, accurate face recognition;
- Wide dynamic double-shot live anti-counterfeiting, thoroughly solve all kinds of photos on various carriers of deception;
- A real-time temperature monitoring, temperature tolerance range accurate to 0.3°, temperature detection distance of 0.5-1 meters;
- RGB real-time feedback recognition results of three-color complementary lamp, night infrared, RGB double complementary lamp;
- Support serial port, Wigan 26,34 output input, output content support configuration;
- Support relay switch signal, access control, safety and worry;
- **Support devices for local storage of 10,000 libraries:**

(a) The cloud platform device supports the simultaneous storage of 50,000 face photos (less than 400 KB),10 million recognition records (0.45 KB) and 200,000 live capture photos;

(b) Local area network devices support the simultaneous storage of 30,000 face photos (photos calculated at 100 KB) and 1 million recognition records (including the most recent 40,000 live capture photos, photos calculated at 100 KB);

Product application

It is suitable for office area, hotel, gate, office building, school, shopping mall, shop, community, public service and management project.



Algorithm brand: Hong soft

- 1: N face recognition, face database supports 2 W faces, top1 hit rate 99.99%;
- The accuracy of 1:1 authentication is over 99%.
- **Rapid identification:**

(a) Face tracking and detection takes about 20 ms;

(b) Face feature extraction takes about 200 ms;

(c) In vivo face detection takes 0.2 ms;

(d) Feature comparison takes 0.5 ms(10000 face database, multiple identification takes average);

- Support stranger detection, stranger level configurable;
- Support for face recognition or stranger detection when the scene photo preservation;
- Support public network, LAN use deployment mode;
- Support HTTP、TCP mode interface docking;
- Support screen display content configuration;
- Support to identify distance configuration.

Product specifications

Product Model	Category	Performance
Camera	Resolution	200W
	Type	RGB+ infrared
	aperture	mm 4.0
	Focal length	M 0-2
	White Balance	Automatic
Screen	Dimensions	8 inch, full view IPS LCD screen
	Resolution	800*1280
	Brightness	400cd/m2
System	CPU	4 cores, RK3288
	DDR3	2GB (optional 4 G)
	Memory	8GB (optional 16 G、32G)
	Image	Built-in dual ISP

	processing	
	Operating system	Android 7.1
	Touch screen	Optional touch screen
Network	Wifi	G WiFI 2.4
	Model	802.11 b/g/n
	Ethernet	10/100 M Netting
Accessories	Supplementary Light	Infrared and LED lights
	Card reading module (reserved)	IC/ID card reader, ID card reader QR code reader, thermal imaging temperature detection module
	Network module (optional)	4G module
Machine interface	Wigan Interface	Can support Wigan input and Wigan output, support Wigan 26 and 34 protocol adaptation
	USB interface	USB_Host 2.0 1
	OTG interface	USB OTG 1 one
	Serial port 232	One RS232 interface, one WG input, one WG output
	Reset Interface	Side hole, external key
	Audio	1 line out Road
	POE	Support POE Power Supply (Selection)
Temperature measurement module	Thermal imaging	Thermal imaging temperature measurement, deviation ± 0.3℃, ranging 80-120 cm Imaging pixels :32*32
Function	Local offline usage	2 W local face bank
	Face detection	Support for simultaneous detection and tracking of 5 individuals
	1: N face recognition	Support 1/100,000 error rate ,99% pass rate
	1: 1	Support optional swipe card module, ID card module can achieve 1:1 face comparison
	Stranger	Support

	testing	
	Identification distance recognition	Support
	Remote upgrade of equipment	Support
	Equipment interface	Equipment management, authority management, personnel / photo management, record query, etc.
Conventional parameters	Horn	Ω2W 8
	OSD languages	English and Chinese multilingual OSD operations
	Protection level	IP64, support waterproof and dustproof, support outdoor use
	Adapter	Power adapter 12 V/1.5A
	Equipment power	20W(MAX)
	Working temperature	-10℃~+60℃
	Working humidity	10~90% relative humidity, no condensation
	Electrostatic static electricity	4K/8K
	Electromagnetic radiation	No frequency exceeding standard
	Power consumption	5W MAX
	Installation mode	Wall hanging, table support, gate installation, floor support
	Equipment dimensions	123.5(wide)*84(thick)*361.3(high) mm
	Weight of equipment	1.5 KG
	Column aperture	mm 33
Module	**Function**	**Introduction**

Display interface	Boot interface	Neutral (customizable)
	Verification interface	1. includes display please punch prompt, network signal (whether binding/networking), time, date, week. 2. network connection abnormal pop-up prompt, notification display, ID information, verification success or failure prompt customizable. 3. version number, number of people, number of pictures in base library.
	Menu interface	menu style as well as human-computer interaction, how to enter other modules, management, etc.
User management	User Add	New Local Apps
	User Delete	Deleted person on local application
Equipment management	Unlock Rule	Time to open after verification
	Vergen/ RS232	Vergen format 26/34, RS232
	Language Settings	Simplified
	Network Settings	limited, wireless ,4 G
	Time set	Time, date, time zone, settings (manual setting and server synchronization)
	Voice settings	0-10(0 bit mute, default 5)
	Brightness adjustment	1-10(default 5)
About the machine	Factory Date	Factory time for equipment
	Serial number	Equipment serial number
	Manufacturers	Name of manufacturer
	Machine Type	Type of equipment
	Firmware version	Current firmware version
	Detection update	(Reserved)
	Help	Help explain documentation
Other	Other functions	Customizable

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 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.

To maintain compliance with FCC’s RF Exposure guidelines, This equipment should be installed and operated with minimum 20cm distance between the radiator and your body: Use only the supplied antenna.