8" Infrared Thermal Face Recognition KIOSK

Uniqueness

Face are unique, can not be copied, and prevent counterfeiting

Non-contact

No need to touch the equipment, it can be identified by entering the range, convenient for hygiene

Diverse application

Public cloud deployment, private deployment, LAN use, stand-alone use

Various expansion

Supporting expansion of various peripheral devices such as ID card reader, fingerprint instrument, IC ca reader, QR code reader, etc





Different angles/ different light/ face changes can be accurately identified

High accuracy

Adopting high performance Infrared thermal imaging module, temperature measuring accuracy ±0.2°C

Development

Support multiple API docking for secondary development.

Easy to collect

No special equipment, mobile phone and computer camera can collect faces anytime anywhere.



Product Features

SV1081D face temperature measurement is based on infrared thermal imaging technology, using famous brand infrared sensors and 2 million wide-angle dynamic cameras, to perform face recognition within 0.3m-1m distance and collect people's temperature at the same time, wearing a face mask is also suitable for better preventing cross-infection.

- 8-inch IPS full-view LCD display.
- Industrial-class appearance, waterproof and dustproof design which is stable and reliable.
- Supports 30,000 face database.
- Face recognition pass speed is less than 1 second.
- Supports accurate face recognition and comparison while wearing a mask.
- Using industrial-grade binocular wide dynamic camera, night infrared and LED dual photo flood lamp.
- Support processors with strong performance: Rockchip RK3288 quad-core, Rockchip RK3399 six-core processor.
- Supports human body temperature detection and temperature display.
- Temperature detection distance is 1 meter. (Optimal distance 0.5 meter)
- Temperature measurement accuracy is $\leq \pm 0.5$ °C.
- Support automatic alarm for body temperature abnormality.
- Attendance temperature measurement data is exported in real time.
- Supports various peripheral expansions such as IC card reader, fingerprint reader, 2D Barcode code reader, etc.
- The documentation is complete and supports secondary development.



Infrared Thermal Imaging Temperature Measurement





Temperature Measurement Face Recognition



Millisecond-Accurate Face Recognition





Abnormal Body Temperature Voice Prompt





Support 1:1 & 1:N Identification

- 1: 1 comparison recognition rate is more than 99.7%
- 1: N comparison recognition rate is more than 96.7%@0.1% misrecognition rate
- Live detection accuracy rate is 98.3%@1% misrejection rate
- Face recognition pass speed is less than 1 second





Support LAN Ethernet & Stand-alone Mode

Stand-alone Version: Can be used offline independently. Without network restrictions. Face comparison and temperature measurement by local data.

LAN Ethernet Version: You can use the LAN platform to manage all the devices remotely through the compute in your office anytime. Including device settings, attendance record management, personnel management, import & export data., etc.





Installation Method

01 VERTICAL

02 WALL-MOUNTED





It is mainly used for gates and is fastened by screw base.

- 1. Fix the wall mount bracket to the wall installation position specify by the device with screws.
- 2. Fix the upper slot of the module device on the main frame hook of the wall-mounting bracket, and fix the hole under the device with a combination screw below.



Installation Method





wall mounted

wall bracket installation





Application Scenarios



office























Outdoor





Specification

Camera	Resolution	2 million pixels
	Camera Type	binocular wide dynamic camera
	Aperture	F2.4
	Focusing distance	50-150cm
	White Balance	Auto
	Photo flood light	LED and infrared double flood light
Screen	Screen size	8.0 "IPS LCD Screen
	Resolution	800 × 1280
	Touch	optional support
Processor	CPU	RK3288 quad core (optional RK3399 six core)
	Storage	EMMC 8G
Interface	Network module	Supports Ethernet, wireless (WiFi)
	Audio	support 2.5W/4R
	USB	1 USB OTG, 1 USB host standard A port
	Serial communication	1 RS232 serial port
	Relay output	1 door opening signal output
	Wigan interface	1 Wigan 26 / 34 output,1 Wigan 26 / 34 input
	Wired Network	1 RJ45 Ethernet socket
	Upgrade button	Support Uboot upgrade



Specification

	Card reader	optional IC card reader
	Face recognition	support detection and tracking of multiple people at the same time
	Face Library	UP to 30,000
	1:N face recognition	Support
	1:1 face comparison	Support
Eunction	Stranger detection	Support
Function	Identify distance configuration	Support
	UI interface configuration	Support
	Upgrade remotely	Support
	Interface	Interfaces include device management, personnel / photo management, record query, etc.
	Deployment method	Support public cloud deployment, privatizeddeployment, LAN use, stand-alone use
	Body temperature detection	support
	Temperature detection distance	1m (the best distance is 0.5m)
Infrared thermal imaging module	Temperature measurement accuracy	≤± 0.2 oC
	Temperature measurement range	10 oC ~ 42 oC
	Visitors model	support for normal temperature of visitors
	Temperature alarm	support



Appearance & Dimension



Vertical Pole-mounted

Wall-mounted



Wire Interface Definition



Relay

	Terminal electrical definition
Pin1	COM
Pin2	NO

Wigan input

	Terminal electrical definition
Pin1	D0_IN
Pin2	D1_IN
Pin3	12V
Pin4	GND

Wigan output

	Terminal electrical definition
Pin1	D0_OUT
Pin2	D1_OUT
Pin3	GND

232 serial port

	Terminal electrical definition
Pin1	232_RX1
Pin2	232_TX1
Pin3	GND



Production & Delivery





Video User Guide

1. 8 Inch Infrared Thermal Face Recognition KIOSK

https://mega.nz/file/nLY3RKoJ#G3kaVrutfndMZeN9YiRvymWjypof_7hifRg927tKKQo

2. Stand-alone Version Introduction

https://mega.nz/file/vWYF1KzT#7R2OeX46Zm1dwwxB2lSalYhHfLUGZ4dfuO9aEv_fQhc

3. LAN Ethernet Version Introduction

https://mega.nz/file/PaIFEIbA#BSnOVHTsyc-Bt6cBvRg3VRZhtbfH9eicEvyOMU_YrS8

4. MIPS Smart Pass Management Setting

https://mega.nz/file/eDoF0DoB#DHZSsdhsJyynVfYhZqkjzStr37AN1sSngnk8W8zclOg

5. Desktop Stand Installation

https://mega.nz/file/SOJFna7A#c4lhpOKB7JzgIj9zR2sy0FEx_rr4WAF0h82g1maAS-4

6. Floor Stand Installation

https://mega.nz/file/iOBGRTQC#WaXULQY3-_9Ch8T1CTxMtY7G1vk9BM9c1WFOF1h0rwo

7. Floor Stand Base Installation

https://mega.nz/file/HbJnjKCR#Gq1TQP9eyTo4Z9jIBlrjaASC6KCUapewiKB6D9uKaGI

8. Gate Installation

https://mega.nz/file/iCl30CpJ#TijLKf4PV1clQwweVEKCSiQcjWV2pXZNoDxeEGlhvFE

9. Wall Mounted Installation

https://mega.nz/file/fGBhgQqR#_Qip7908n9i-fYFZyRvSPZMsPVfIOXKH6NynmjilVng

10. Product Photos

https://mega.nz/folder/efZXRICS#f-QMAIE2Hd3t0uzfRLsGBw



FAQ

Q: What does the standalone version mean? If the customer needs to check the data on the background server after measuring the body temperature on an 8-inch machine, does this refer to the online version? Can the customer's requirements be fulfilled?

A: The single machine is that the information is not connected to the server, only the data is saved inside the machine. data can be uploaded and copied via U disk. Another version of the client's local area network (LAN) is currently being developed, You can use the LAN platform to manage all the devices remotely through the compute in your office anytime.

Q: Is our current software can only support the attendance system?

A: Support the measurement of attendance and temperature measurement data. Company personnel needs to input data in advance to carry out the comparative measurement. Or a stranger who opens the gate. You don't have to enter data.

Q: Do other functions require secondary development?

A: other functions need to be feasibility analysis before they can be secondary development.

Q: Are the two software functions of face recognition and temperature measurement separated?

A: Face recognition and body temperature measurement software are integrated, and the stranger mode will not be diagnosed by the diagnosis personal.

Q: How can face recognition recognize strangers? Do you want to enter the data comparison first?

A: The identification of strangers is a comparison of data, and the conclusion obtained by comparing with the data entered in the system. Data entry is required first.

Q: Where is the attendance data of the attendance software stored? Is it okay for a customer to store data on his own server?

A: At present, the stand-alone mode is stored in the Android computer, and customers can download and copy it to the computer. The LAN server versions can be saved directly on the server.



FAQ

Q:If the customer is using a complete set of gate access control system, how is it connected to our machine? What do customers need to provide?

A: The gate access control system, we have a relay signal to the gate to achieve access control. If it is a customer's gate, connect the relay signal on our access control mechanisms to control the gate switch. Turn on when power is on, and turn off when power is off.

Q: What is the general error of the measured temperature data?

A: The general error of body temperature data is within $\pm\,0.2^\circ\!C$

Q: Does it support outdoor models?

A: Temporarily does not support outdoor models, mainly because the temperature measurement module is a sensitive component, and the accuracy of temperature measurement can be affected in outdoor direct sunlight and high temperature and high heat environments. It can only be a semi-outdoor model.



FAQ

Our software is continuously updated:

MIPS smart access (LAN) version v2.4.0 was officially released with the following information:

Background server version: v2.4.0.0

Client version: v2.4.0.1

Update Description:

1. [client language update] add Ukrainian, update Spanish, Indonesian, Korean (Simplified Chinese, traditional Chinese, English, Italian, polish, German, Russian, Thai, French, Arabic, Vietnamese, Czech, Romanian, Japanese, Kazakh, Slovak, Dutch, Portuguese [Brazil], Uzbekistan Karan, Spanish, Indonesian, Korean and other 22 languages);

2. On the [display] new device details page, through the display setting function, you can set the client personnel to display the userdefined picture after passing;

3. [pass record retention] the function of setting stranger record retention time on the new pass record page can set the time to automatically delete stranger record;

4. [export of traffic record] update the function of export of traffic record on the page of traffic record. You can set whether to export the photos of people's traffic;

5. [automatic refresh of traffic record] the refresh button of the new traffic record page can be opened to automatically refresh the page every 6 seconds;

6. New callback setting function in batch callback setting, which can be set in background or in batch;

7. [Others] optimized some interaction details;

