

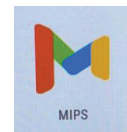


## HOWARD ARRIVSCAN MICRO QUICK START MANUAL

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## MIPS AND ANDROID

This product is based on the Android system, installed with MIPS face recognition temperature measurement application, with a built-in face recognition camera module and infrared temperature detector, capable of personnel access management and temperature detection. The user stands in front of the camera to check the body temperature. There is no need for human contact. It is recommended that the distance from the camera is 0.5~1 meters, and the forehead is positioned at the red dot in the viewfinder frame, so that the measurement can be accurate. dolly (minimum 300lb capabilities)

### MOUSE ACTION

The product can be managed by connecting the mouse through the USB interface. Operation method: Click the left mouse button to confirm/enter, click the right mouse button to cancel/exit, and click the middle mouse button to pop up the interface.

## MIPS OPEN AND CLOSE

### OPEN

MIPS is started by default. Face recognition and temperature measurement can be started after switching on the power.

### CLOSE

In the MIPS application interface, connect the mouse through the USB interface, double-click the right button, repeat twice, and after the prompt pops up, enter the operation password in the password box (default 123456); you can exit the application and return to the Android system interface.

### MIPS APPLICATION DAEMON

MIPS will periodically check to see if the application is working, and if not, it will automatically open the application. You can choose to turn it off in the MIPS application settings menu.

### MANUAL START

In the Android system interface, select the MIPS icon from the app menu and click to enter the MIPS to start face recognition and temperature measurement.



## MIPS FILE STORAGE PATH

### REAL-TIME DATA

MIPS will automatically record all visitors, generate a picture file, and store it locally in the Android system explorer. The specific path is: [Internal Memory / currentimg](#)

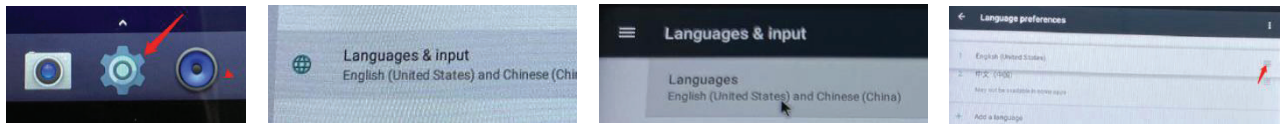
### ENTRY DATA

MIPS can also take the initiative to input personnel data as a comparison basis for face recognition. In the MIPS application menu, select Face data entry operation. The corresponding generated image data is stored locally in the Android system explorer. The specific path is: [Internal Memory/viplmg](#)

## BASIC SETTINGS FOR ANDROID

### LANGUGES AND INPUT

Enter the setting interface of the Android system and select “language & input.” After adding the target language, drag the target language to the first priority, and the system will automatically switch to the first priority language.



### DATE AND TIME

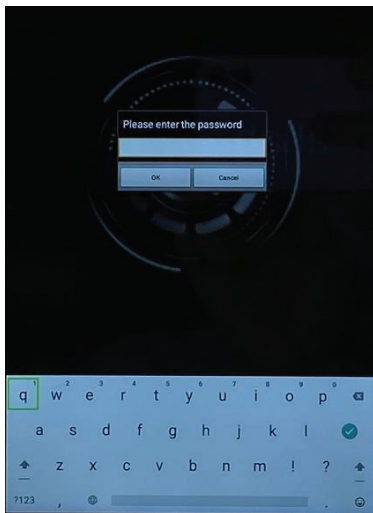
Enter the settings interface of the Android system and select “date & time.” Turn off “auto determine date and time” and “auto determine time zone,” then you can manually set the date and time.

### OTHER

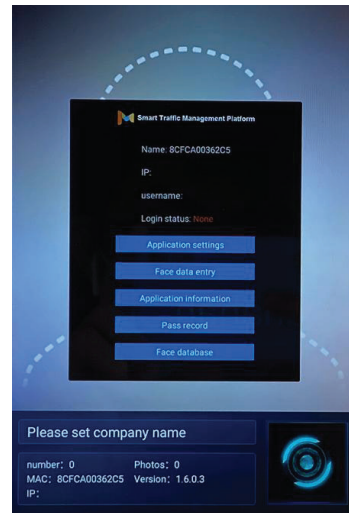
In the Settings interface of the Android system, you can also adjust display settings, volume settings, storage space management, and other operations. The operations are simple, and not described here.

## MIPS FUNCTION DESCRIPTION

Connect the mouse; click on the middle mouse button; enter the default password “123456” to open the [Application Management] interface, which displays the current login state and five functions, i.e. “Application settings”—“Face data entry”—“Application information”—“Pass record” and “Face database.”

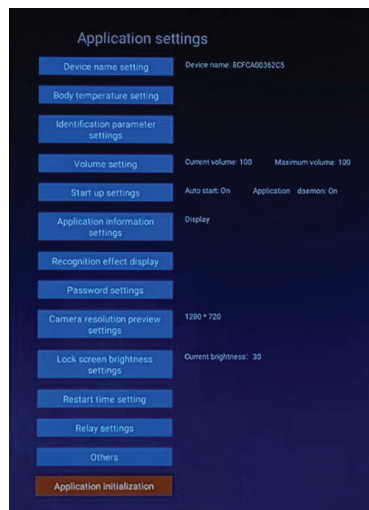


Enter the operation password



Open the application management interface

## APPLICATION SETTINGS

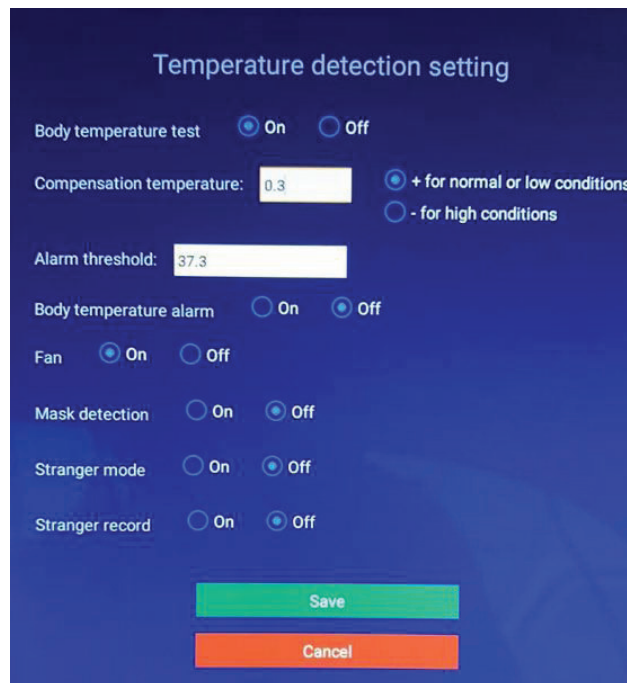


Application settings interface

## DEVICE NAME SETTING

Custom device name.

## BODY TEMPERATURE SETTINGS

The image shows a 'Temperature detection setting' interface on a dark blue background. It contains several settings: 'Body temperature test' with 'On' selected; 'Compensation temperature' set to '0.3' with a legend for '+ for normal or low conditions' (selected) and '- for high conditions'; 'Alarm threshold' set to '37.3'; 'Body temperature alarm' with 'Off' selected; 'Fan' with 'On' selected; 'Mask detection' with 'Off' selected; 'Stranger mode' with 'Off' selected; and 'Stranger record' with 'Off' selected. At the bottom are 'Save' and 'Cancel' buttons.

Temperature detection setting interface

### TEMPERATURE DETECTION

“Open” means to open the temperature detection function; “Turn off” means turn off the temperature detection function.

### COMPENSATION TEMPERATURE

Compensation value is set according to the ambient temperature. When the ambient temperature is higher than 25°C, it is set as -0.3; when the ambient temperature is lower than 25°C, it is set as +0.3.

### ALARM THRESHOLD

Set the alarm temperature threshold of the system, and when the body temperature of the detected person exceeds the threshold, the system will send an alarm.

### TEMPERATURE ALARM

“Open” means open temperature alarm; “Turn off” means turn off the temperature alarm.

### FAN

Fan switch is behind the detector.

### MASK DETECTION

Open, it automatically identifies whether or not the target is wearing a mask; if not, an alarm will be issued.

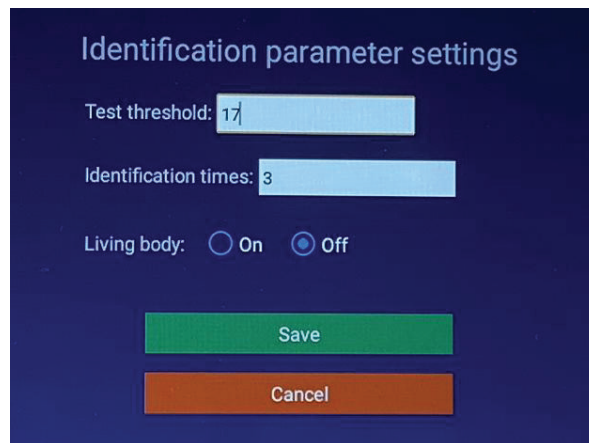
## STRANGER MODE

Open will automatically compare information in the face database; if no personnel data has been entered, the target will be judged as a stranger, and an alert will be issued.

## STRANGER RECORDS

Records unregistered visitors.

## IDENTIFICATION PARAMETER SETTINGS



Identification parameter settings interface

For the judgment coefficient of face recognition AI, please use the default value of the system; adjustments to this parameter are not recommended.

## CHECK THRESHOLD

Set the face detection parameters—default is 17, normal without changing.

## RECOGNITION TIMES

Set the number of face recognition confirmations—default is 3 times, normal without changing.

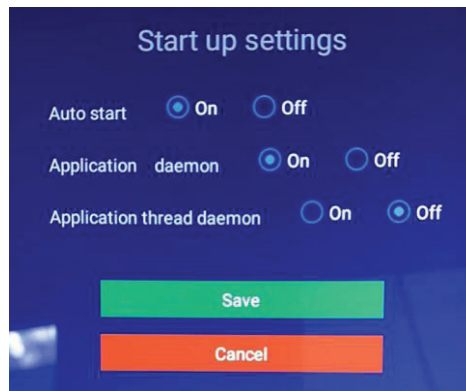
## LIVING BODY

“Open” means open living body dynamic detection; “Close” means to close the dynamic detection living body (By default)

## VOLUME SETTING

Set the alarm volume. In case of invalid situation, please exit the app and adjust the volume in the Settings interface of the Android system

## START UP SETTINGS



Startup settings interface

Set the startup items of the application—start up automatically by default, normal without changing.

### AUTO START

Automatically start the application after powering up.

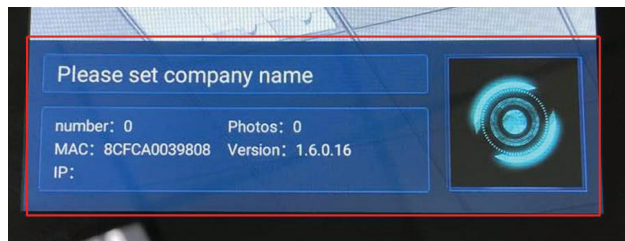
### APPLICATION DAEMON

Confirm whether the application is in priority working state within the cycle. If not, the application will be opened automatically.

### APPLICATION THREAD DAEMON

The application will take priority in system memory.

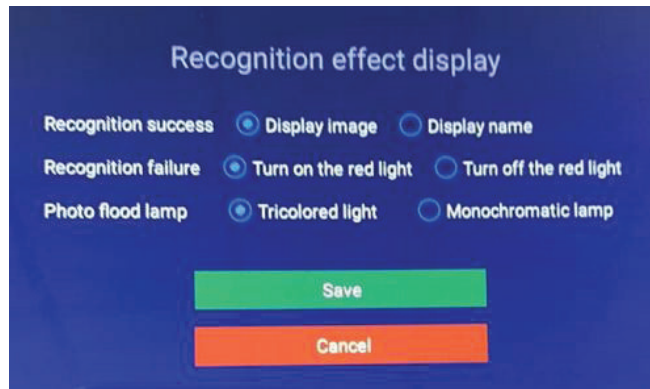
## APPLICATION INFORMATION SETTINGS



Application information

You can choose to hide or display. If you choose to hide, the application information will not be displayed in the temperature measurement interface, and if you choose to display, the application information will be displayed in the application test interface.

## RELAY SETTINGS



Startup settings interface

Optional modes and Settings after connecting external relays

### MODE 0

Un-automatically close mode, the relay will not automatically close after opening.

### MODE 1

High efficiency, auto-close mode, the relay will automatically close after opening.

### MODE 2

Low efficiency, auto-close mode, the relay will automatically close after opening.

### DELAY

The response time of auto-close shutdown is delayed close.

## OTHER SETTINGS

Temperature module firmware can be upgraded in this interface.

Setting callback, setting URL, IP and port number.(Connected to LAN)

### APPLICATION INITIALIZATION

Clear device registration information, face database, traffic records, and application settings to restore to the original state.

## FACE DATA ENTRY

The screenshot shows a 'Face Data Entry' form with the following elements and annotations:

- Step 1:** A 'collection' button next to a camera icon. Above it is the text 'Make sure your face is facing the camera'.
- Step 2:** An 'ID' field with the placeholder text 'Please enter ID'.
- Step 3:** A 'Name' field with the placeholder text 'Please input your name'.
- Step 4:** A 'Gender' section with 'Male' and 'Female' radio buttons.
- Finish:** 'Save' and 'Cancel' buttons at the bottom.

Take the initiative to input personnel face data as a comparison basis for face recognition. The corresponding generated image data is stored locally in the Android system explorer. The specific path is: [Internal Memory / viplmg](#)

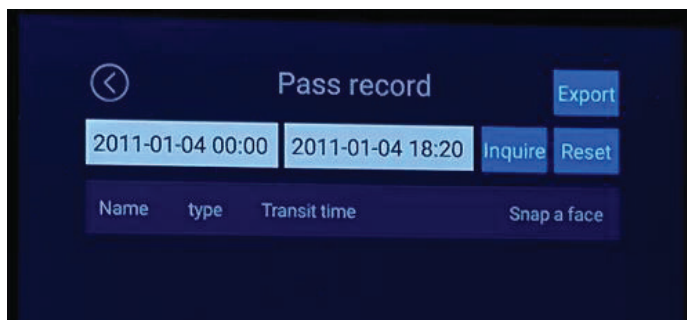
## FACE DATABASE

The screenshot shows a 'Face information' screen with a back arrow at the top left. A blue button labeled 'Enter face information' is at the top right. Below it is a table with the following structure:

Name	type	Expiration date	Types	Enter face information
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This option is used to manage face database information and can be used to add and delete face data.

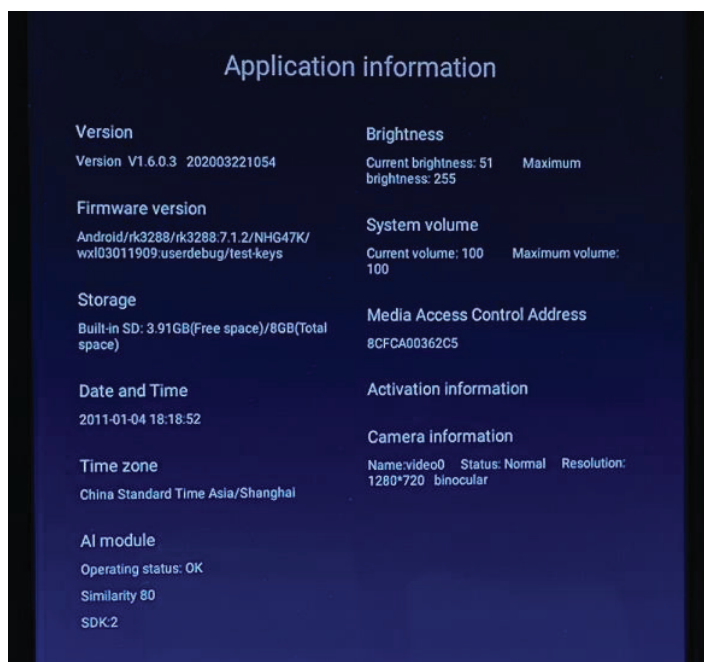
## PASS RECORD



MIPS will automatically record all visitors, generate a picture file, and store it locally in the Android system explorer. The specific path is: [Internal Memory / currentImg](#)

This data can be exported to external storage via USB.

## APPLICATION INFORMATION



This option displays application information for viewing.

# CONTACT INFORMATION

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If you have any questions about our line of technology partner products, feel free to contact us for more information.

## General Information

Toll Free: 1.888.912.3151

## Customer Support

Toll Free: 1.888.323.3151

## Technical Support

We provide FREE telephone technical support 24/7 (excluding US holidays) for as long as you own your Howard product. Our friendly, US-based team of experts will answer your questions about the product, hardware setup, or installation, and with telephone hold times of typically less than 1 minute!

[For technical support call 888.323.3151](tel:888.323.3151)

