

Facial recognition and temperature measurement kiosk

Use & installation instructions



Model: KMT-0080U-2CAWU

1. Product installation

This product is upright, with the use of multiple types of base, other products (including embedded and wall-mounted) will be introduced later.

Optional base



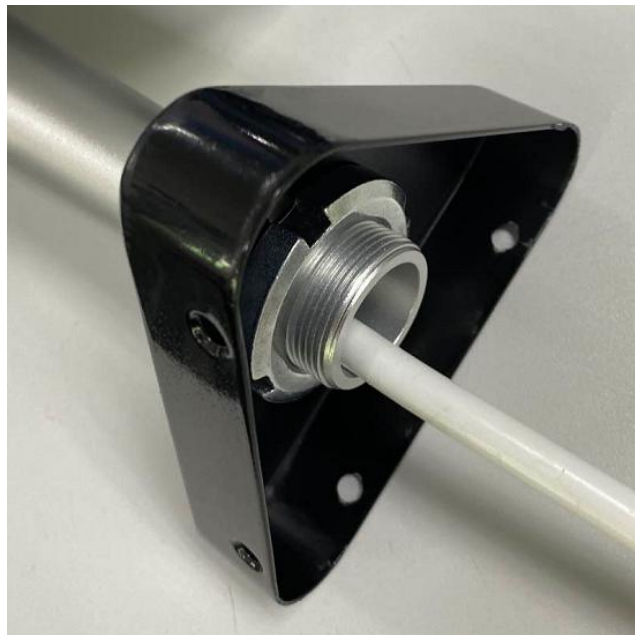
Pillar installation method

Step 1. Twist out the ring at the bottom of the monitor and remove the base cover



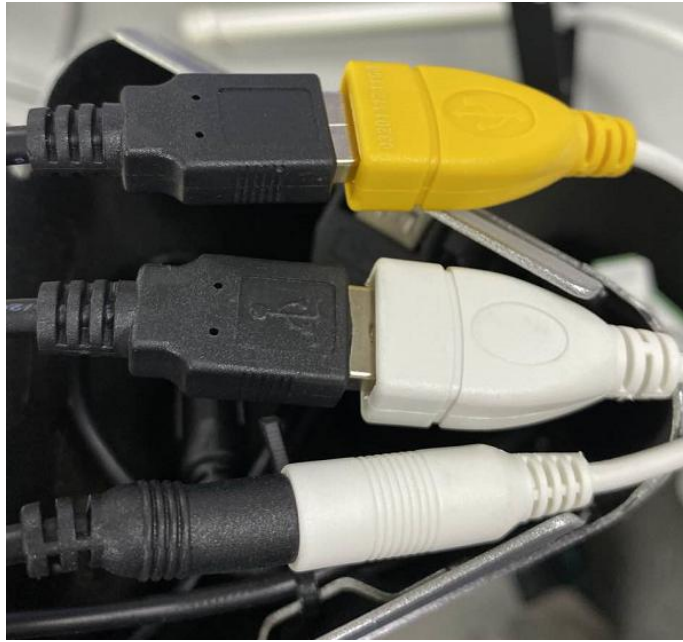
(step 1)

Step 2. Insert the monitor into the base cover and secure with a ring



(step2)

Step 3. There are preset interfaces on the base to connect them to the monitor. (Different models will have different interfaces, one-to-one connections, depending on the actual situation.) DC 12V & USB



(Step 3)

Step 4. Put the cable into the base and fix the cover on the base together with the monitor.



(Step 4)

Step 5. Connect the power supply to the base and start working.



(Step 5)

Desktop installation method



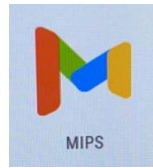
Step 1 . Open the cover of the desktop base bottom.

Step 2. Insert the monitor into the desktop base and secure with a ring

Step 3. There are preset interfaces on the base to connect them to the monitor. (Different models will have different interfaces, one-to-one connections, depending on the actual situation.) DC 12V & USB

Step 4. Restore the bottom cover, connect the power supply to the base and start working.

2. MIPS & Android



This product is based on android system, installed with MIPS face recognition temperature measurement application, with built-in face recognition camera module and infrared temperature detector, capable of personnel access management and temperature detection. The user stand 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 in the position of red dot in the viewfinder frame, so that the measurement can be accurate.

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, the right mouse button to cancel/exit, the middle mouse button to pop up the interface.

2.1 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, 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.



(Click the icon or drag it up to open the android app menu.)

2.2 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](#)

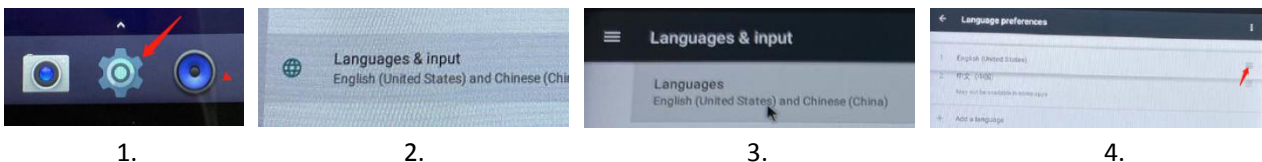
Entry data

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 store it locally in the android system explorer. The specific path is: [Internal Memory / viplmg](#)

2.3 Basic Settings for android

Languages & input

Enter the setting interface of 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 the first priority language.



Date & time

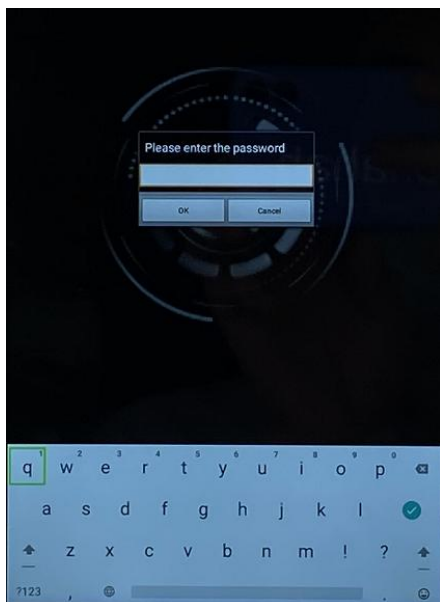
Enter the settings interface of android system and select "date & time", turn off "auto determine date and time", "auto determine time zone", and you can manually set the date and time.

Other

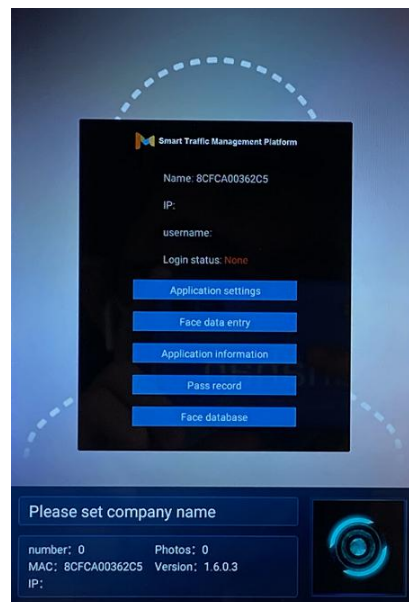
In the Settings interface of android system, you can also do display settings, volume settings, storage space management and other operations, the operation is simple, not described here.

3. 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";

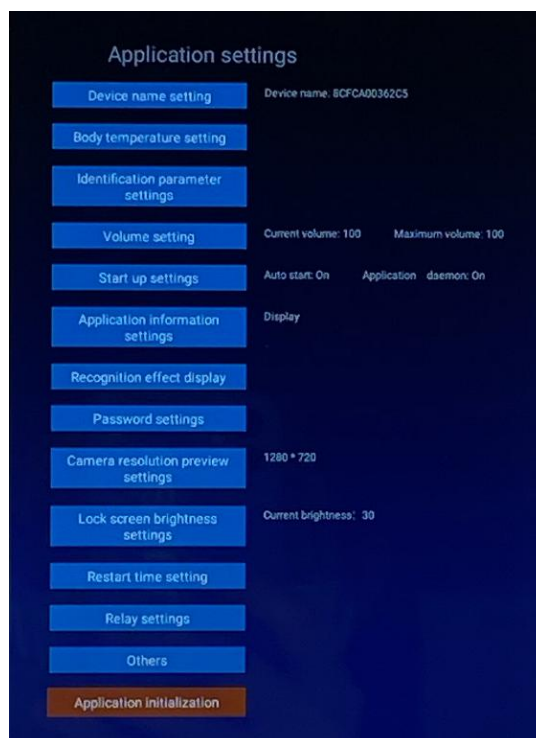


(Click the mouse button, enter the operation password)



(Open the application management interface)

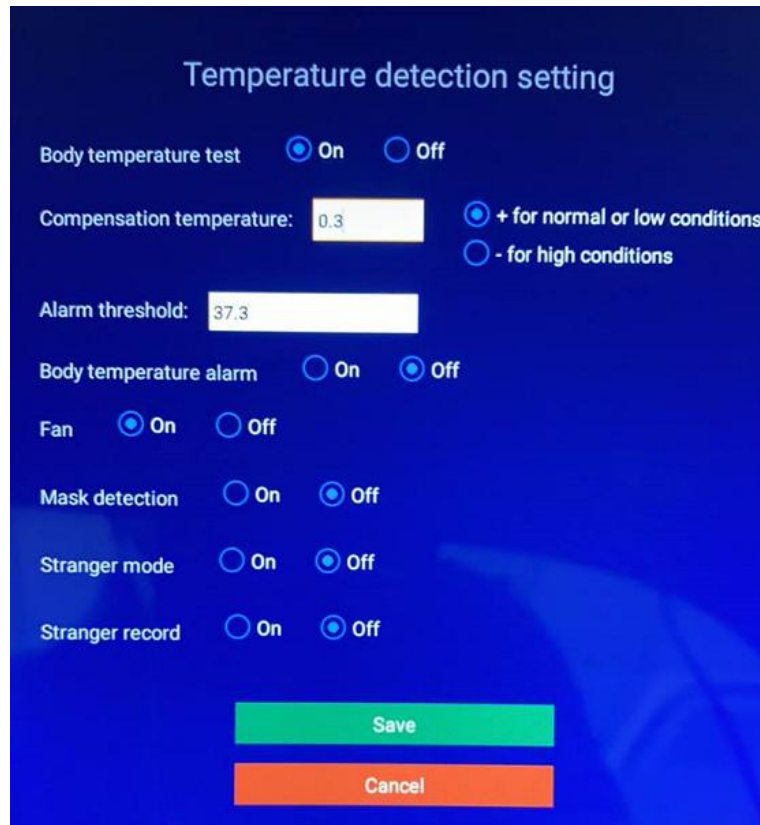
3.1 Application settings



(Application settings interface)

Device name setting : Custom device name

Body temperature setting



The image shows a 'Temperature detection setting' interface with a dark blue background. It contains several settings with radio buttons and input fields. At the bottom are 'Save' and 'Cancel' buttons.

Setting	Value / Option
Body temperature test	☒ On ☐ Off
Compensation temperature	0.3 ☒ + for normal or low conditions ☐ - for high conditions
Alarm threshold	37.3
Body temperature alarm	☐ On ☒ Off
Fan	☒ On ☐ Off
Mask detection	☐ On ☒ Off
Stranger mode	☐ On ☒ Off
Stranger record	☐ On ☒ Off

(Temperature detection setting interface)

3.1.2.1 **Temperature detection**: open, means to open the temperature detection function; Turn off means turn off the temperature detection function;

3.1.2.2 **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;

3.1.2.3 **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;

3.1.2.4 **Temperature alarm**: open, means open temperature alarm; Turn off means turn off the temperature alarm;

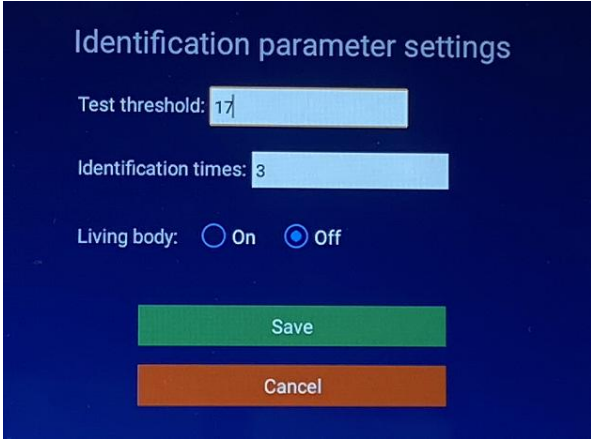
3.1.2.5 **Fan**: fan switch behind detector

3.1.2.6 **Mask detection**: open, it will automatically identify whether the target is wearing a mask. If not mask, an alarm will be issued.

3.1.2.7 **Stranger mode**: open will automatically compare the face database data, did not enter the database target will be judged as a stranger, and issued an alert.

3.1.2.8 **Stranger records**: records of 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, and it is not recommended to adjust

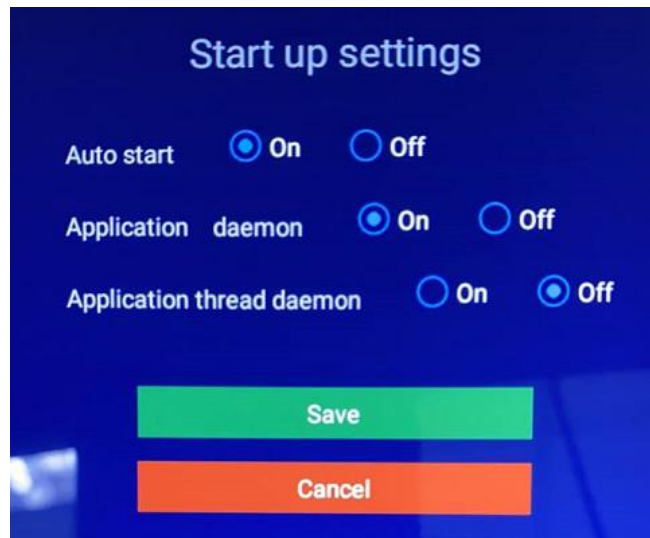
3.1.3.1 **Check threshold** : set the face detection parameters, default is 17, normal without changing;

3.1.3.2 **Recognition times** : set the number of face recognition confirmation, default is 3 times, normal without changing;

3.1.3.3 **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 android system

Startup settings



(Startup settings interface)

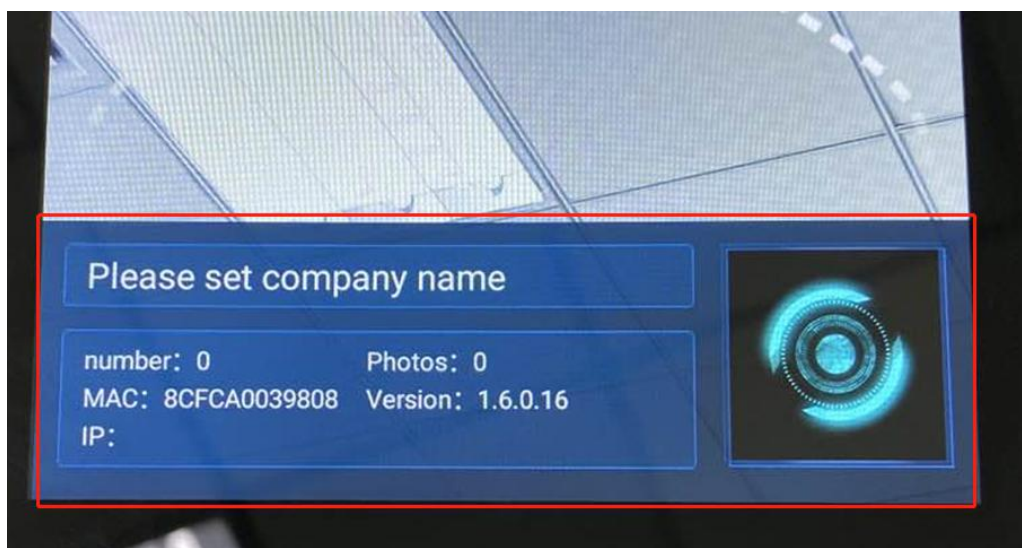
set the startup items of the application, start up automatically by default, normal without changing;

3.1.5.1 **Auto start** : Automatically start the application after powering up

3.1.5.2 **Application daemon** : confirm whether the application is in priority working state within the cycle. If not, the application will be opened automatically.

3.1.5.3 **Application thread daemon** : the application will take priority in system memory.

Application information setting



(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.

Recognition effect display



(Recognition effect display interface)

Set the feedback effect after face recognition and temperature measurement, Including image display and lighting.

Password setting

Sets the operation password, which is used to call out the menu or exit the application. **Default: 123456;**

Camera resolution preview settings

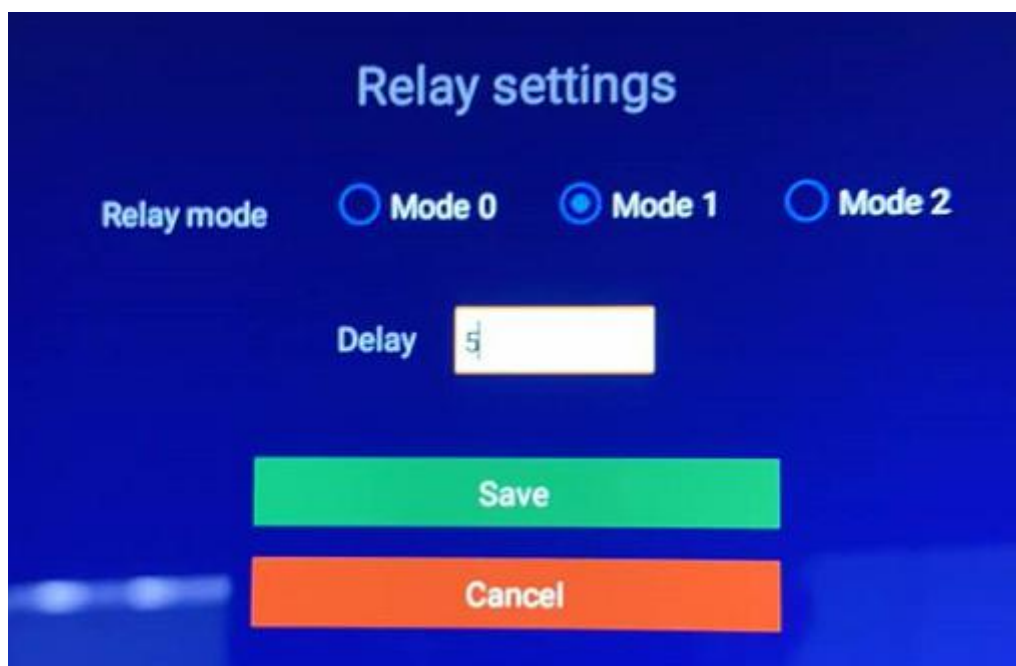
Set the camera preview image resolution, optional: 640*480 or 1280*720.

Lock Screen brightness setting

Set the screen brightness in lock mode. In case of invalid situation, please exit the app and adjust the display in the Settings interface of android system

Restart time setting : This feature is not yet available

Relay setting



(Relay setting interface)

Optional modes and Settings after connecting external relays.

3.1.12.1 **Mode 0** : Unautomatically close mode, the relay will not automatically close after opening.

3.1.12.2 **Mode 1** : High efficiency auto close mode, the relay will automatically close after opening.

3.1.12.3 **Mode 2** : Low efficiency auto close mode, the relay will automatically close after opening.

3.1.12.4 **Delay** : Set the response time of auto close shutdown, that is delayed close.

Others

Temperature module firmware can be upgraded in this interface.

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

Application initialization

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

3.2 Face data entry

The screenshot shows a 'Face data entry' form with the following elements and annotations:

- Top Section:** A large camera view on the left and a smaller icon on the right. Below the icon is the text 'Make sure your face is facing the camera' and a blue button labeled 'collection'. A red arrow labeled 'step 1' points to the 'collection' button.
- ID Field:** A text input field with the placeholder 'Please enter ID'. A red arrow labeled 'step 2' points to the 'ID' label.
- Name Field:** A text input field with the placeholder 'Please input your name'. A red arrow labeled 'step 3' points to the 'Name' label.
- Gender Field:** Two radio buttons labeled 'Male' and 'Female'. A red arrow labeled 'step 4' points to the 'Gender' label.
- Bottom Section:** Two buttons, 'Save' and 'Cancel'. A red arrow labeled 'finish' points to the 'Save' button.

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

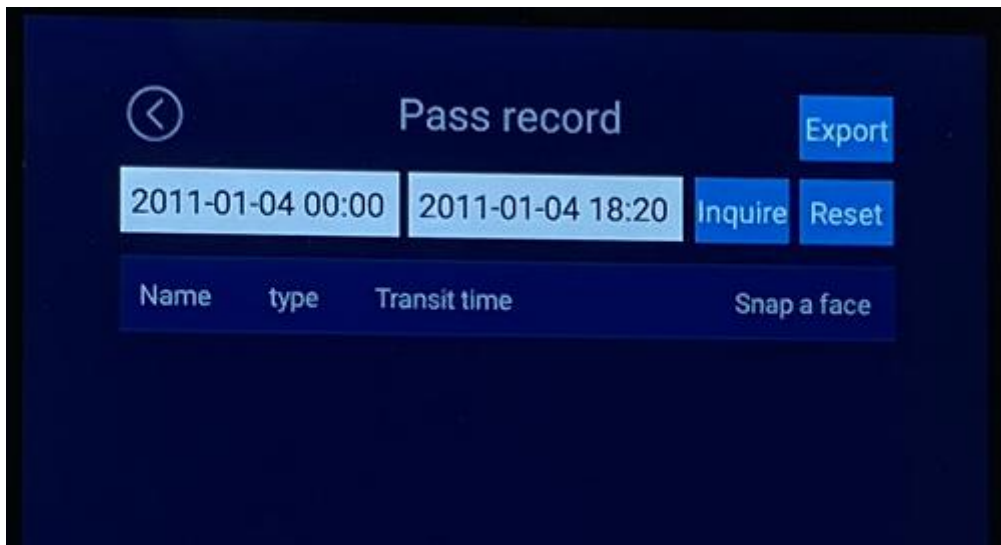
3.3 Face database

The screenshot shows a 'Face information' screen with a dark blue background. At the top left is a back arrow icon. The title 'Face information' is centered at the top. In the top right corner is a blue button labeled 'Enter face information'. Below this is a table with the following structure:

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

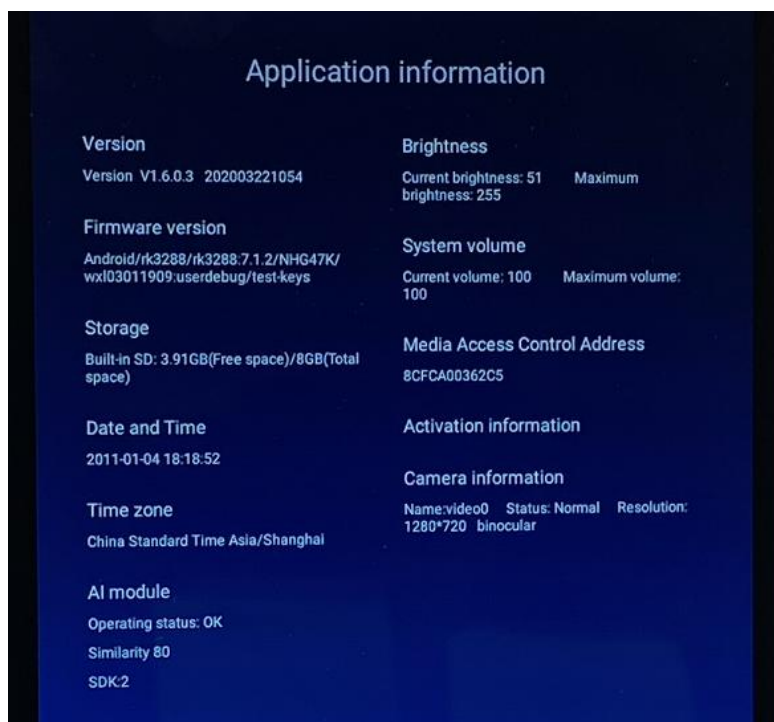
3.4 Pass record



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 / currentlmag](#)

This data can be exported to external storage via USB.

3.5 Application information



This option displays application information for viewing

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 distance between 20cm the radiator your body: Use only the supplied antenna.