



# **Body Camera MPT230**

## **User Manual**



# Foreword

## General

This manual introduces the functions and operations of the Body Camera MPT230 (hereinafter referred to as "the Device"). Read carefully before using the device, and keep the manual safe for future reference.

## Symbols

The following symbols might appear in the manual.

| Symbol                                                                                     | Description                                                                                                                                        |
|--------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
|  DANGER   | Indicates a high potential hazard which, if not avoided, will result in death or serious injury.                                                   |
|  WARNING  | Indicates a medium or low potential hazard which, if not avoided, could result in slight or moderate injury.                                       |
|  CAUTION | Indicates a potential risk which, if not avoided, could result in property damage, data loss, reductions in performance, or unpredictable results. |
|  NOTE   | Provides additional information as a supplement to the text.                                                                                       |

## Revision History

| Version | Revision Content                                                                                                                                                                                                                                                                                             | Release Time  |
|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| V2.1.2  | Updated battery maintenance.                                                                                                                                                                                                                                                                                 | July 2026     |
| V2.1.1  | <ul style="list-style-type: none"><li>Added picture-in-picture function.</li><li>Added battery maintenance.</li><li>Added AI Always-On.</li><li>Added verify to stop recording function and verify to shutdown or restart function.</li><li>Added force retransmission by TCP.</li></ul>                     | May 2026      |
| V1.1.1  | Updated the location services.                                                                                                                                                                                                                                                                               | October 2025  |
| V1.1.0  | <ul style="list-style-type: none"><li>Added the update server, KMS server and user verification server in platform settings.</li><li>Added the docking mode.</li><li>Updated the AI functions.</li><li>Added the stealth mode.</li><li>Added the SOS broadcast.</li><li>Added the platform update.</li></ul> | April 2025    |
| V1.0.0  | First release.                                                                                                                                                                                                                                                                                               | November 2024 |

## Privacy Protection Notice

As the device user or data controller, you might collect the personal data of others such as their face, audio, fingerprints, and license plate number. You need to be in compliance with your local privacy protection laws and regulations to protect the legitimate rights and interests of other people by implementing measures which include but are not limited: Providing clear and visible identification to inform people of the existence of the surveillance area and provide required contact information.

## Intelligent Product Usage Statement

Intelligent products utilize AI technology to effectively enhance security. The intelligent recognition and alarm functions of the product might be affected by factors such as environmental lighting, camera angles, object obstructions, and network delays, potentially leading to false alarms, missed alerts, or response delays. This intelligent product is solely intended to be used as a security assistance tool. The results from performing identification are for reference only and do not constitute absolute guarantee of personal or property safety. Users need to combine these products with necessary physical security measures to enhance overall protection. Except as otherwise provided by laws or in the event of intentional or gross negligence on the part of the company, the company shall not be liable for any losses caused by the aforementioned factors not attributable to the company.

## Interface Declaration

This manual mainly introduces the relevant functions of the device. The interfaces used in its manufacture, the procedures for returning the device to the factory for inspection and for locating its faults are not described in this manual. Please contact technical support if you need information on these interfaces.

## About the Manual

- This manual is provided for general reference only. Discrepancies might exist between the product and this manual, including but not limited to printed, electronic, or any other editions.
- The manual will be updated according to the latest laws and regulations of related jurisdictions. Specifications and documentation are subject to change without prior notice. For the latest versions, as well as legal notices, consult the printed manual, the product webpage, our official website, or scan the QR code to access the electronic edition.
- The manual will be updated as necessary to reflect product changes and applicable legal requirements. These updates will not diminish your statutory rights, nor will they remove or weaken the safety information or essential instructions provided at the time of purchase.
- Although we make every effort to ensure accuracy, errors or deviations in descriptions of functions, operations, or technical data might occur. If there is any uncertainty or controversy, we reserve the right of final explanation.
- All trademarks, registered trademarks and company names referenced in this manual are the property of their respective owners.

# Important Safeguards and Warnings

This section introduces content covering the proper handling of the Device, hazard prevention, and prevention of property damage. Read carefully before using the Device, and comply with the guidelines when using it.

## Transportation Requirements



Transport the Device under allowed humidity and temperature conditions.

## Storage Requirements



- Store the Device under allowed humidity and temperature conditions.
- To avoid short circuits caused by metal objects touching the battery anode and cathode, do not store the battery with other metals.
- If the Device will not be used for a week or longer, charge it to 60%, take the battery out of the Device, and store it in a clean, dry and ventilated room with an ambient temperature of  $20\pm5\text{ }^{\circ}\text{C}$  ( $68\pm9\text{ }^{\circ}\text{F}$ ).
- Charge the battery once every four months during storage.

## Installation Requirements



- The Device must be installed in a location that only professionals can access. Non-professionals are not allowed to enter the installation area.
- The Device must be reliably grounded by professionals. They must install the grounding conductor in the building floor and verify the grounding connection of the output receptacle.
- When installing the Device, make sure that the power plug can be easily reached to cut off the power.

## Operation Requirements



### Battery Pack Precautions

Preventive measures (including but not limited to):

- Do not transport, store or use the batteries in high altitudes with low pressure and environments with extremely high and low temperatures.
- Do not dispose the batteries in fire or a hot oven, or mechanically crush or cut the batteries to avoid an explosion.
- Do not leave the batteries in environments with extremely high temperatures to avoid explosions and leakage of flammable liquid or gas.

- Do not subject the batteries to extremely low air pressure to avoid explosions and the leakage of flammable liquid or gas.

**WARNING**

Use the power adapter and cables provided with the device. We assume no responsibility for injuries or damage caused by using the incorrect power adapter and cables.



- Use the Device under allowed humidity and temperature conditions.
- Do not continuously charge the battery for 24 hours or longer. When it is finished charging or it no longer needs charging, disconnect the adapter from the device, and unplug it from the power socket.
- Please be advised that your configurations will be lost after performing a factory reset.

## Maintenance Requirements

**DANGER**

Replacing unwanted batteries with the wrong type of new batteries might result in explosion.

Preventive measures (including but not limited to):

- Replace unwanted batteries with new batteries of the same type and model to avoid the risk of fire and explosion.
- Dispose of the old batteries as instructed.



The battery is a consumable accessory. We recommend replacing it after it has been used for a year.

# Table of Contents

|                                                |     |
|------------------------------------------------|-----|
| Foreword.....                                  | I   |
| Important Safeguards and Warnings.....         | III |
| 1 Product Introduction.....                    | 1   |
| 2 Structure and Installation.....              | 2   |
| 2.1 Packing List .....                         | 2   |
| 2.2 Device Structure.....                      | 2   |
| 2.3 Indicator Lights.....                      | 4   |
| 2.4 Back Clip.....                             | 5   |
| 3 Basic Operations.....                        | 7   |
| 3.1 Starting and Shutting Down.....            | 7   |
| 3.2 Initialization.....                        | 7   |
| 3.3 Home Screen.....                           | 11  |
| 3.4 User Management.....                       | 11  |
| 3.4.1 Enabling Platform User Verification..... | 11  |
| 3.4.2 Changing the Password.....               | 12  |
| 3.4.3 Changing the Unlock Pattern.....         | 12  |
| 3.4.4 Configuring the Account Security.....    | 13  |
| 3.5 Configuring the Device.....                | 14  |
| 3.5.1 Network.....                             | 14  |
| 3.5.2 Device.....                              | 31  |
| 3.5.3 System.....                              | 41  |
| 3.6 System Maintenance.....                    | 47  |
| 3.6.1 Online Update.....                       | 47  |
| 3.6.2 Platform Upgrade.....                    | 48  |
| 3.6.3 Local System Upgrade.....                | 48  |
| 3.6.4 Scan to Update.....                      | 48  |
| 3.6.5 Network Test.....                        | 48  |
| 3.6.6 Network Capture.....                     | 49  |
| 3.6.7 Log Package.....                         | 50  |
| 3.6.8 Signal Strength and Band.....            | 51  |
| 3.6.9 ADB Network Debugging.....               | 51  |
| 3.7 Audio Recording.....                       | 51  |
| 3.7.1 Recording Audio.....                     | 51  |
| 3.7.2 One Press to Record Audio.....           | 52  |
| 3.8 Video Recording.....                       | 52  |
| 3.8.1 Recording Video.....                     | 52  |
| 3.8.2 One Press to Record a Video .....        | 55  |

|                                                        |    |
|--------------------------------------------------------|----|
| 3.8.3 Focusing.....                                    | 55 |
| 3.8.4 Marking Important Videos.....                    | 56 |
| 3.9 Pictures.....                                      | 56 |
| 3.9.1 Taking a Picture.....                            | 56 |
| 3.9.2 One Press to Take a Picture.....                 | 56 |
| 3.10 Files.....                                        | 56 |
| 3.10.1 Viewing Pictures.....                           | 56 |
| 3.10.2 Playing Video.....                              | 59 |
| 3.10.3 Playing Audio.....                              | 61 |
| 3.10.4 Viewing AI Function Files.....                  | 62 |
| 3.11 Switching between Video and Audio Recording.....  | 63 |
| 3.12 Light & Sound Icons.....                          | 64 |
| 3.13 Data Transmission.....                            | 64 |
| 3.14 Log.....                                          | 64 |
| 3.15 Creating and Joining Tasks.....                   | 65 |
| 3.16 Scanning the QR Code.....                         | 67 |
| 4 System Update.....                                   | 68 |
| 4.1 Updating on MPT Manager.....                       | 68 |
| 4.2 Updating on Local Device.....                      | 69 |
| 5 Platform Operations.....                             | 70 |
| 5.1 Adding the Device to the Platform.....             | 70 |
| 5.2 Connecting to the Platform.....                    | 72 |
| 6 Battery Maintenance.....                             | 73 |
| 7 SIM Card and Battery Installation.....               | 74 |
| 7.1 Installing the SIM Card.....                       | 74 |
| 7.2 Installing the Battery.....                        | 75 |
| 8 FAQ.....                                             | 78 |
| Appendix 1 Security Commitment and Recommendation..... | 79 |

# 1 Product Introduction

This product is a mobile portable terminal for persons of public security, insurance, traffic police and more. It integrates audio/video record and snapshot together.

This product can record the data during the whole law enforcement process. It is light and has small compact design, easy to install. It is waterproof and shockproof. The built-in IR light can guarantee clear video at night. The recorded video supports onsite playback and prevents the file from being tampered. The recorded data is fair and can be recognized by the authorities to solve a case and provide as the evidence on the court.

## 2 Structure and Installation

### 2.1 Packing List

Table 2-1 Packing list

| Name              | Quantity |
|-------------------|----------|
| Device            | 1        |
| Clip              | 1        |
| USB cable         | 1        |
| Battery           | 1        |
| Power adapter     | 1        |
| Quick start guide | 1        |

### 2.2 Device Structure



The structure differs depending on the model you are using. The following figures are for reference only.

Figure 2-1 Front and rear panels

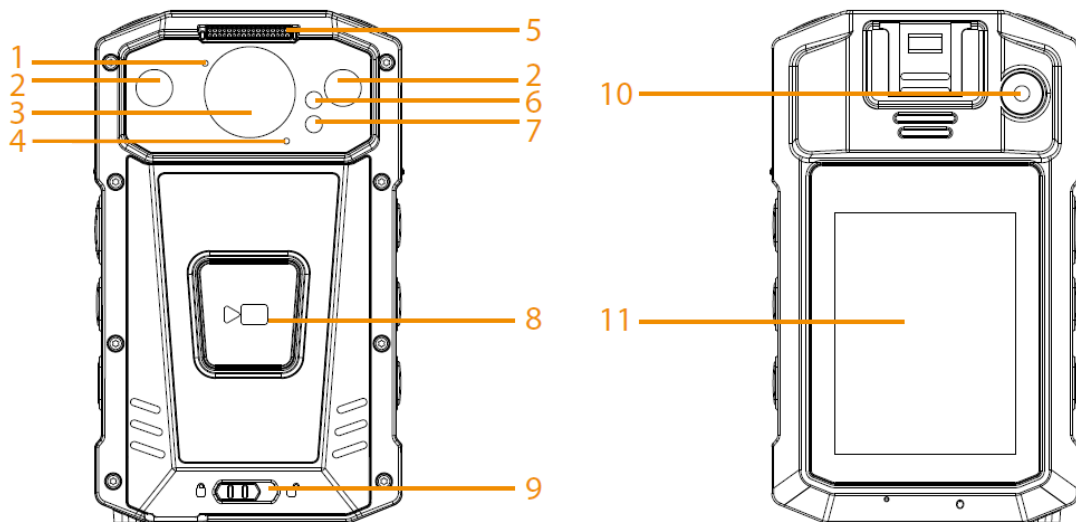


Table 2-2 Structure introduction

| No. | Name            |
|-----|-----------------|
| 1   | Indicator light |
| 2   | IR light        |
| 3   | Rear camera     |

| No. | Name                        |
|-----|-----------------------------|
| 4   | Mic in                      |
| 5   | Red and blue flashing light |
| 6   | Light perception            |
| 7   | White light                 |
| 8   | Record video                |
| 9   | Slider                      |
| 10  | Front camera                |
| 11  | Main screen                 |

Figure 2-2 Side panels

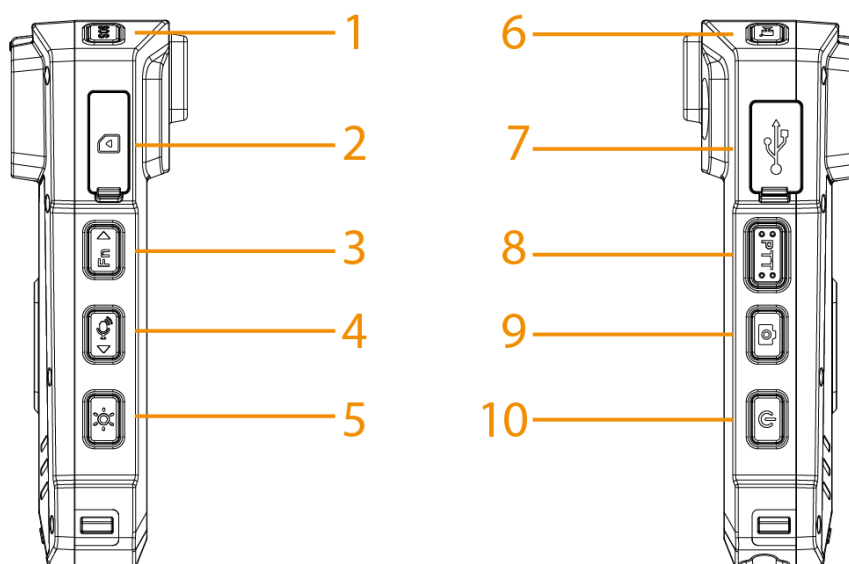


Table 2-3 Button introduction

| No. | Name            | No. | Name                     |
|-----|-----------------|-----|--------------------------|
| 1   | SOS button      | 6   | Record video             |
| 2   | Sim card port   | 7   | USB port and power input |
| 3   | Fn button       | 8   | Voice talk               |
| 4   | Record audio    | 9   | Capture button           |
| 5   | IR light button | 10  | Power button             |

Figure 2-3 Bottom and top panels

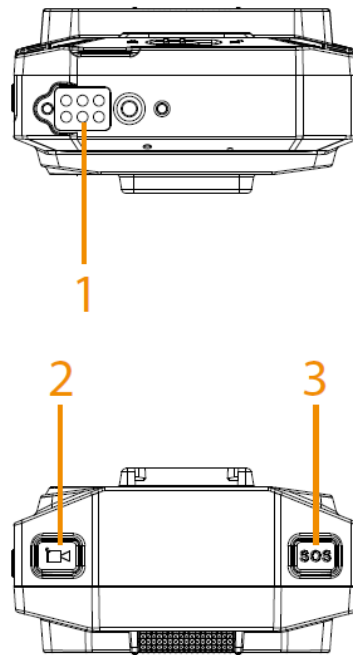


Table 2-4 Button introduction

| No. | Name               |
|-----|--------------------|
| 1   | Pogo pin interface |
| 2   | Record video       |
| 3   | SOS button         |

## 2.3 Indicator Lights

The states of the indicator show different statuses of the Device.

Table 2-5 Indicator lights

| Working Status                      | Indicator Light                     |
|-------------------------------------|-------------------------------------|
| Standby                             | Solid green                         |
| Standby (battery level $\leq 5\%$ ) | Solid red                           |
| Recording video                     | Flashes red                         |
| Snapshot                            | Flashes red                         |
| Alarm                               | Red and blue flashing light warning |
| Recording audio                     | Flashes yellow                      |
| Charging                            | Solid red                           |
| Battery fully charged               | Solid green                         |
| Platform is pulling stream          | Flashes blue                        |



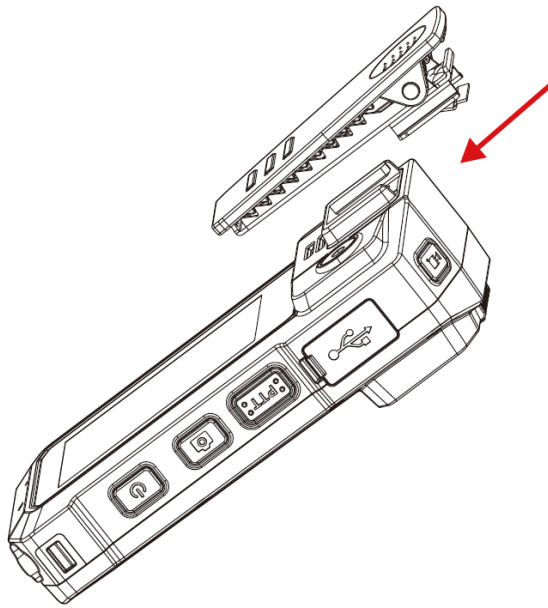
You can select **None**, **Red and Blue Flashing Light Warning** or **Sound and Light Active Deterrence** for the Fn button in **Settings > Device > FN key**. The default setting is red and blue flashing light.

## 2.4 Back Clip

### Installing the clip

After aligning the slot, simply push the back clip in to install it.

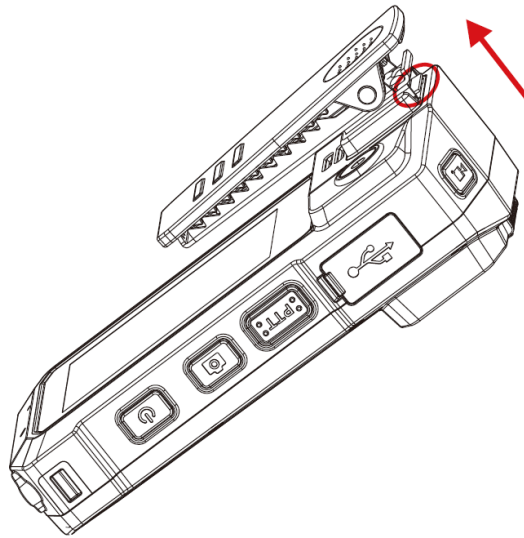
Figure 2-4 Install the clip



### Removing the clip

Pinch upward with your hand and then pull outward to remove the back clip.

Figure 2-5 Remove the clip



## 3 Basic Operations

### 3.1 Starting and Shutting Down

The power supply automatically turns on when connected to power, even if it is turned off.

Press  on the right side to start, shut down, restart or let the Device sleep.

- When the Device is shut down, press and hold  to start the Device.
- When the Device is running, press and hold , and then tap **Power off** to shut down the Device.
- When Device is running, press and hold , and then tap **Restart** to restart the Device.
- When the Device is running, press and hold  for 10 s to restart the Device forcibly.
- When the Device is running, press  to let the Device sleep; press again to activate the Device.

### 3.2 Initialization

#### Background Information

For the first-time use, set device login password and at least 3 security questions. If you forget the password, tap **Forgot?**, and then answer the security questions, send verification code to your email, or tap **Help** to reset the login password.

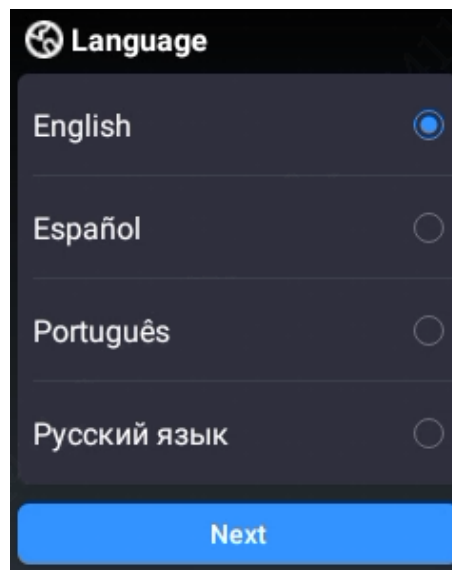


- The password resetting function is only available for admin user.
- Password resetting will delete the pattern lock. You need to set it again after resetting the password.
- If you forget the answers to the security questions or your mailbox is unavailable, contact the technical support or the distributor for help.

#### Procedure

- Step 1 When the Device is shut down, press and hold  to start the Device.
- Step 2 Select the language, checkbox of the end-user software license agreement and product privacy policy, select **I have read and agree**, and then tap **Next**.

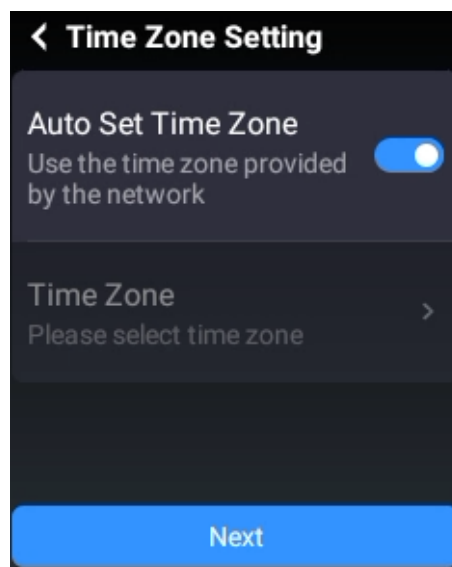
Figure 3-1 Select the language



You can select English, Spanish, Portuguese and Russian.

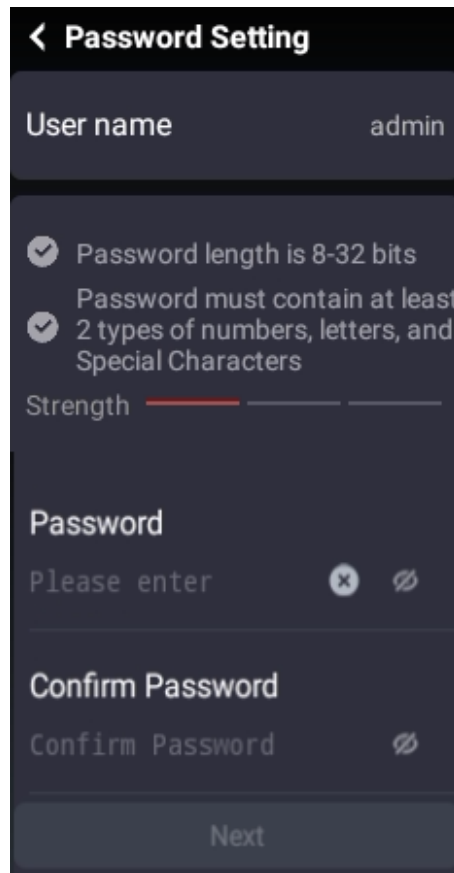
Step 3 Enable **Auto Set Time Zone** or select the time zone.

Figure 3-2 Set time zone



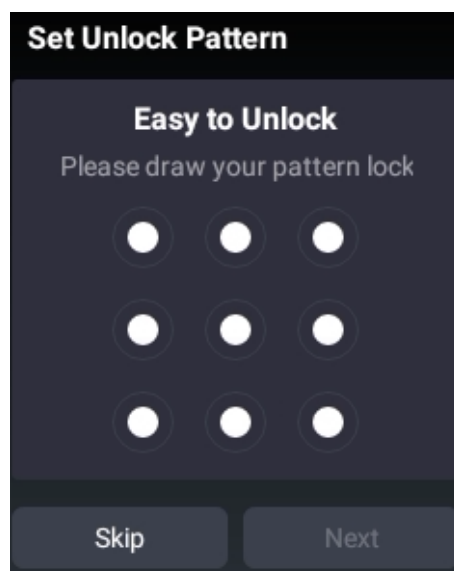
Step 4 Enter the new password, and then confirm it.

Figure 3-3 Set password



Step 5 Set unlock pattern, and then tap **Next**.

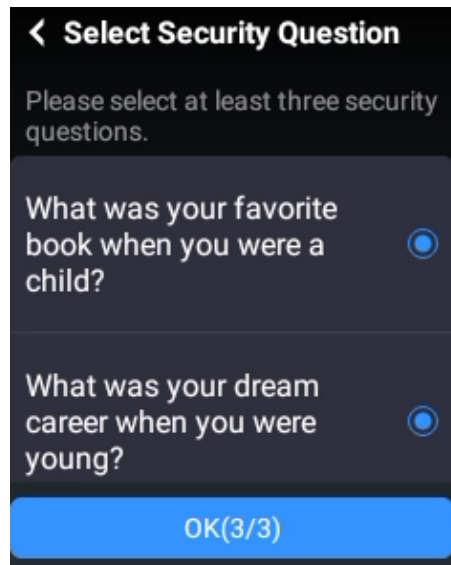
Figure 3-4 Set unlock pattern



Step 6 Ensure the account security by setting security questions and binding your email.

- Set security questions
  1. Tap **Security Questions** to set security questions.
  2. Select at least 3 security questions, and then tap **OK(3/3)**.
  3. Enter the answers and then tap **Save**.

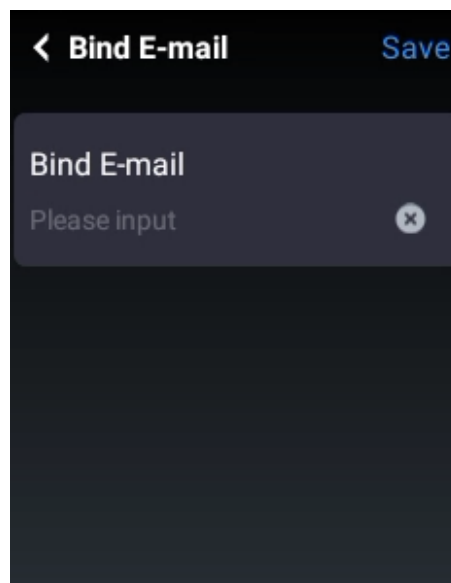
Figure 3-5 Select security questions



- Bind email.

Tap **Email** to input your email address, and then tap **Save**.

Figure 3-6 Bind email



Step 7 Tap **Done**.



If you tap **Skip** in the account security screen, you can only retrieve your password by contacting the distributor or technical support in the **Forgot?** or **Help** screen.

Step 8 Follow the on-screen instructions to learn gestures.

## Results

The Device is initialized successfully.

## 3.3 Home Screen

- The notification bar displays message, working status, and operator status. Swipe down to view time and date, and select white light, IR light, sound and light active deterrence and red and blue flashing light warning.
- Swipe left or right on the home screen to switch the screen.



For more information about the homepage drop-down menu, see "3.12 Light & Sound Icons".

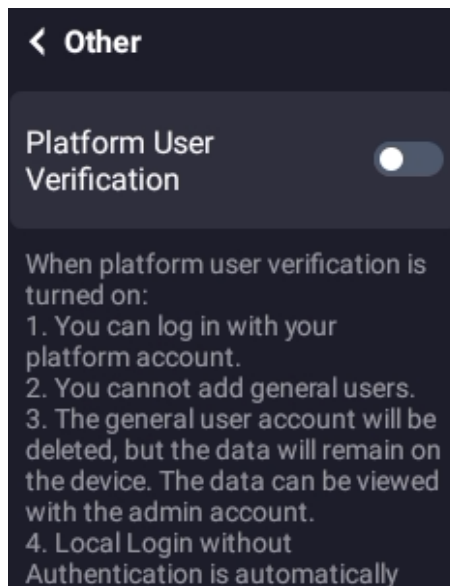
## 3.4 User Management

### 3.4.1 Enabling Platform User Verification

#### Procedure

- Step 1 On the home screen, tap .
- Step 2 Tap **Platform User Verification**.

Figure 3-7 Platform user verification



- Step 3 Tap , and then enter the login password.

#### Results

The platform user verification is enabled.

## 3.4.2 Changing the Password

We recommend you change the password regularly to enhance the device security.

### Procedure

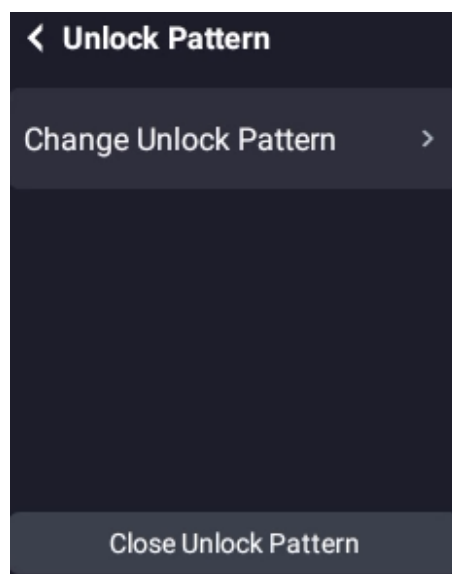
-  User
- Step 1 On the home screen, tap  User.
- Step 2 Select the account whose password you want to change, and then tap **Change the password**.
- Step 3 Enter the old password, new password, and then confirm the password.
- The password must consist of 8–32 non-blank characters and contain at least two types of the following characters: Uppercase, lowercase, numbers, and special characters (excluding ' " ; : &).
  - For your device security, create a strong password.
- Step 4 Set the password validity period.
- Step 5 Tap **Confirm Modification**.

## 3.4.3 Changing the Unlock Pattern

### Procedure

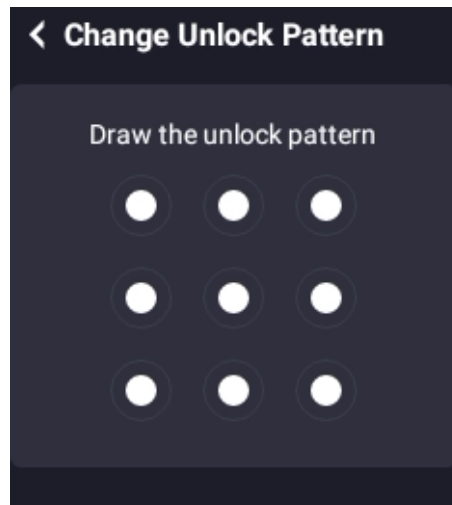
-  User
- Step 1 On the home screen, tap  User.
- Step 2 Select an account, and then tap **Unlock Pattern**.
- Step 3 Enter the login password.
- Step 4 Tap **Change Unlock Pattern**.

Figure 3-8 Unlock pattern



- Step 5 Draw the pattern lock.

Figure 3-9 Draw the unlock pattern



- An unlock pattern must contain at least 4 points.
- After you set the unlock pattern, the pattern unlock will be required on the login screen by default. If you have not set pattern lock, password is required on the login screen by default.

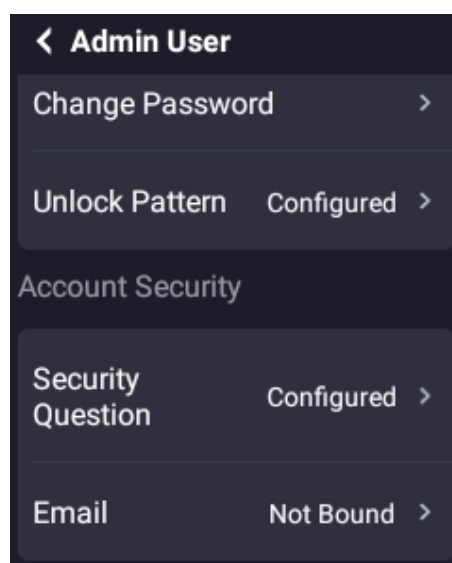
### 3.4.4 Configuring the Account Security

You can reset your security questions and bound email. This function is only for the admin user.

#### Procedure

- Step 1 On the home screen, tap  **User**.
- Step 2 Select an account, and then tap **Security Question** or **Email**.

Figure 3-10 Account security



- Step 3 Enter the login password.
- Step 4 Follow the on-screen instructions to configure your security questions and the bound email.

## 3.5 Configuring the Device

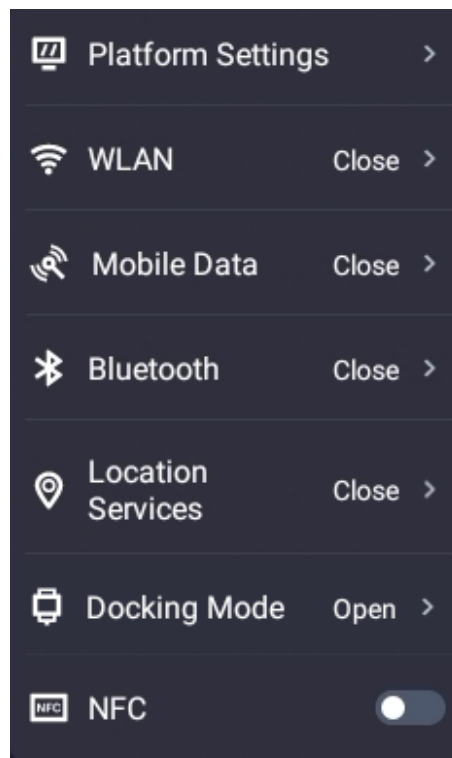
Before using the Device, configure recording parameters, camera parameters, network mode, and more.

### 3.5.1 Network



On the home screen, tap  to go to the **Network** screen.

Figure 3-11 Network



Tap an icon to go to the corresponding screen for configuration.



- **close** means that the function is disabled.
- **open** means that the function is enabled.

#### 3.5.1.1 Platform Settings

You can add the Device to platform for remote management. You can configure platform connection, WLAN, location service and more.



Private protocol is enabled, otherwise you cannot configure the parameters successfully.

### 3.5.1.1.1 Auto Registration

You can manually register the device to the platform.

#### Procedure

- Step 1** On the home screen, select  > **Network** > **Platform Settings** > **Auto Registration**.
- Step 2** Tap  to enable the auto registration function.
- Step 3** Configure the parameters.

Figure 3-12 Auto Registration

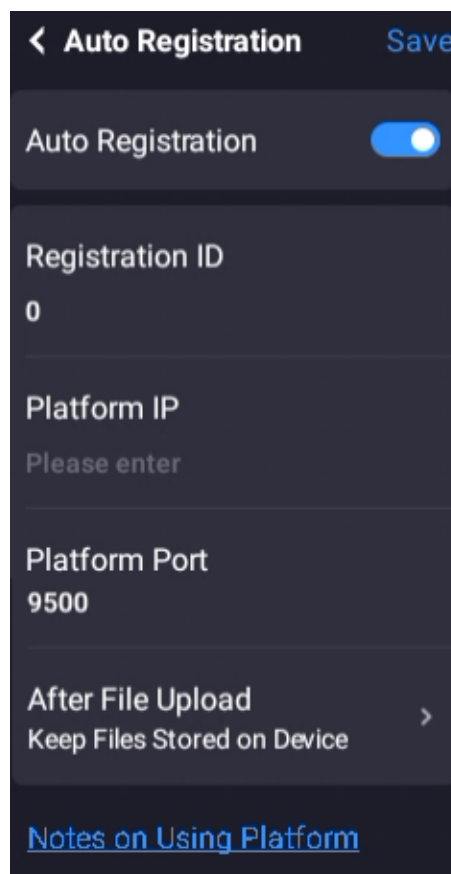


Table 3-1 Auto registration parameters

| Parameter         | Description                                                                                                                                                                                                                                                                           |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Registration ID   | Enter an ID for registration. Make sure that the same ID is used when you add the Device to the platform.                                                                                                                                                                             |
| Platform IP       | Enter the IP address or the domain name of the platform server.                                                                                                                                                                                                                       |
| Platform Port     | Enter the ARS (Active Register Server) port number of the platform.                                                                                                                                                                                                                   |
| After File Upload | <ul style="list-style-type: none"> <li>● <b>Keep Files Stored on Device</b> : Files are stored on the device after you upload files to the platform.</li> <li>● <b>Auto Delete</b> : Files are automatically deleted on the device after you upload files to the platform.</li> </ul> |

- Step 4** Tap **OK**.

### 3.5.1.1.2 Update Server

Used for updating the device on the platform.

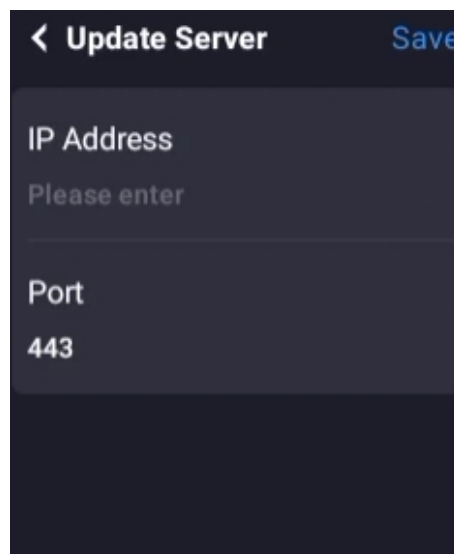
#### Procedure

- Step 1 On the home screen, select  > **Network** > **Platform Settings** > **Update Server**.
- Step 2 Configure the IP address and the port number.



The default port number is **443**.

Figure 3-13 Update server



- Step 3 Tap **Save**.

### 3.5.1.1.3 KMS Server

Used for file encryption.

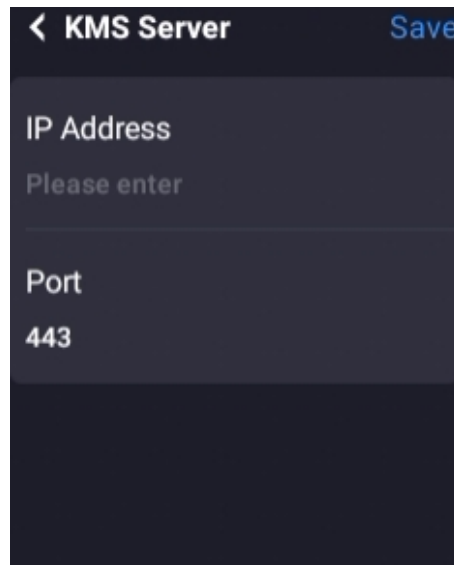
#### Procedure

- Step 1 On the home screen, select  > **Network** > **Platform Settings** > **KMS Server**.
- Step 2 Configure the IP address and the port number.



The default port number is **443**.

Figure 3-14 Update server



Step 3 Tap **Save**.

#### 3.5.1.1.4 User Verification Server

Used for verifying whether the user is a platform user.

#### Procedure

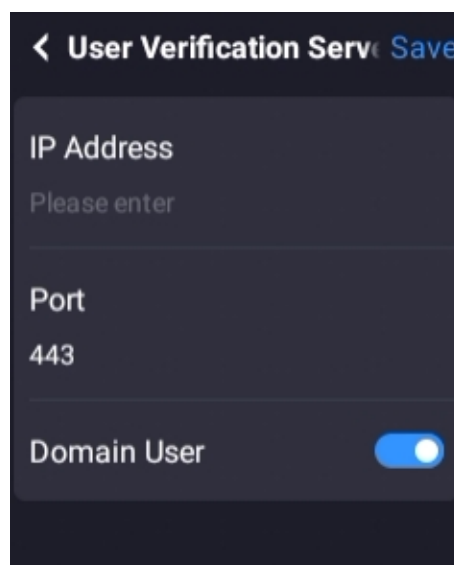
Step 1 On the home screen, select  > **Network** > **Platform Settings** > **User Verification Server**.

Step 2 Configure the IP address and the port number.



- The default port number is **443**.
- You can enable **Domain User** according to your actual needs.

Figure 3-15 User verification server



Step 3 Tap **Save**.

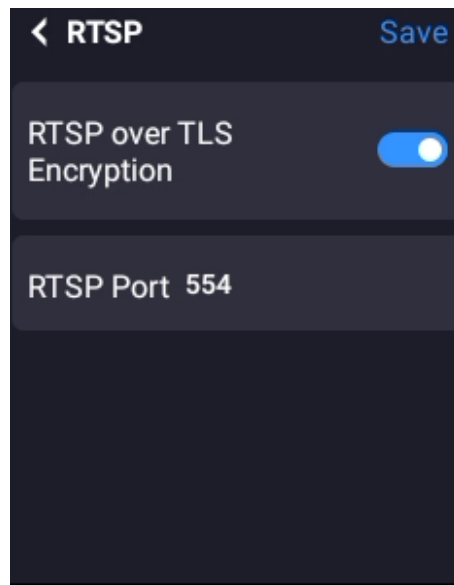
### 3.5.1.1.5 RTSP

Enables RTSP stream encryption by using TLS.

#### Procedure

- Step 1 On the home screen, select  > **Network** > **Platform** > **RTSP**.
- Step 2 Tap  to enable RTSP over TLS encryption.
- Step 3 Enter the RTSP port, and then tap **Save**.

Figure 3-16 RTSP



- There might be safety risk if this service is disabled.
- The RTSP port is **554** by default.

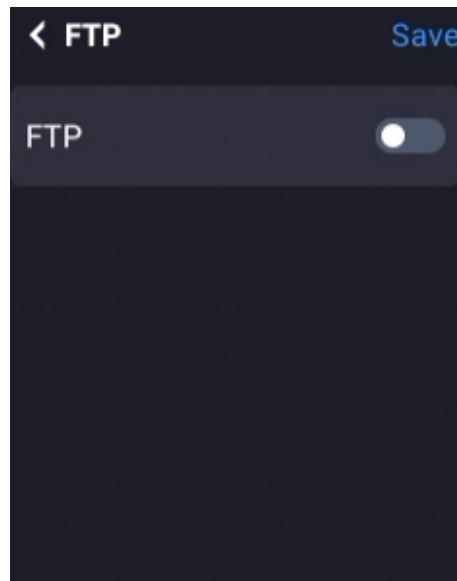
### 3.5.1.1.6 FTP

You can add the device to the FTP server.

#### Procedure

- Step 1 On the home screen, select  > **Network** > **Platform Settings** > **FTP**.
- Step 2 Tap  to enable the FTP settings.

Figure 3-17 FTP



Step 3    Enter the address, port and storage path.

Step 4    Configure the parameters.

Figure 3-18 FTP parameters

The screenshot displays the 'FTP' configuration screen. At the top, there is a back arrow and the title 'FTP', and a 'Save' button in the top right corner. The 'FTP' toggle switch is turned on. Below this, the 'Address' field is empty with a 'Please enter' placeholder. The 'Port' field is set to '21'. The 'Storage Path' field is empty with a 'Please enter' placeholder. The 'Upload Mode' is set to 'Auto Upload over Wi-Fi or Ethernet Only'. The 'After File Upload' setting is 'Keep Files Stored on Device'. The 'Anonymous Login Mode' toggle switch is turned off. The 'Username' field is empty with a 'Please enter' placeholder. The 'Password' field is empty with a 'Please enter' placeholder and a toggle icon on the right.

| Parameter            | Value                                   |
|----------------------|-----------------------------------------|
| FTP                  | Enabled                                 |
| Address              | Please enter                            |
| Port                 | 21                                      |
| Storage Path         | Please enter                            |
| Upload Mode          | Auto Upload over Wi-Fi or Ethernet Only |
| After File Upload    | Keep Files Stored on Device             |
| Anonymous Login Mode | Disabled                                |
| Username             | Please enter                            |
| Password             | Please enter                            |

Table 3-2 FTP parameters

| Name                 | Parameter                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Upload Mode          | <ul style="list-style-type: none"> <li>● <b>Manual Upload</b> : Upload files manually.</li> <li>● <b>Auto Upload over Wi-Fi or Ethernet Only</b> : Only when the device is connected to Wi-Fi or Ethernet are files uploaded to the FTP platform automatically.</li> <li>● <b>Auto Upload</b> : Files are uploaded to the FTP platform automatically when the device is over 4G, 5G, Wi-Fi or Ethernet.</li> </ul> |
| After File Upload    | <ul style="list-style-type: none"> <li>● <b>Keep Files Stored on Device</b> : After files are uploaded, files are stored on the device.</li> <li>● <b>Auto Delete</b> : After files are uploaded, files are automatically deleted from the device.</li> </ul>                                                                                                                                                      |
| Anonymous Login Mode | When it is enabled, you can log in to the platform without user name and password.                                                                                                                                                                                                                                                                                                                                 |



The FTP and platform register can be enabled simultaneously, but register will take priority.

Step 5 Tap **Save**.

### 3.5.1.2 WLAN

When WLAN is turned on, you can search for or add WLAN networks.

#### Procedure

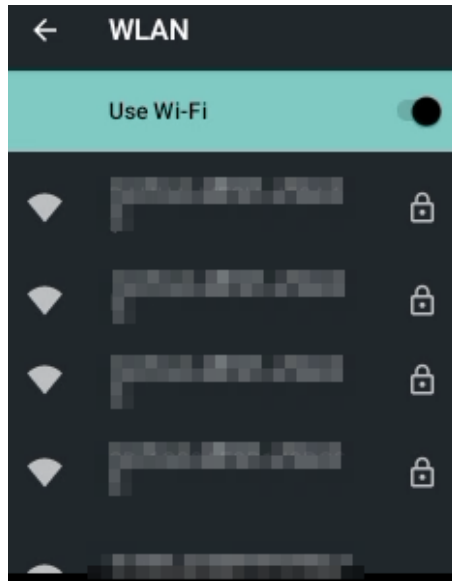


Step 1 On the home screen, select  > **Network** > **WLAN**.

Step 2 Tap  to enable the WLAN function.

Step 3 Select the Wi-Fi that you want to connect to, and then enter the password.

Figure 3-19 WLAN

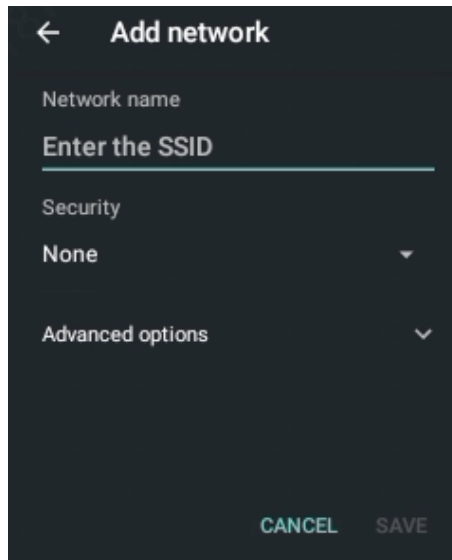


### 3.5.1.2.1 Adding Network

#### Procedure

Step 1 On the **Wi-Fi** screen, tap **Add network**.

Figure 3-20 Adding network



Step 2 Configure the parameters.

Table 3-3 Parameter description of adding network

| Parameter    | Description                                                              |
|--------------|--------------------------------------------------------------------------|
| Network Name | Enter the router SSID (the name of the WLAN) that needs to be connected. |

| Parameter        |                | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Security         |                | Set security settings. <ul style="list-style-type: none"> <li>● If you select <b>None</b>, you do not need to enter a password to log in to the WLAN.</li> <li>● If you select a different type, you need to enter a password or certificate.</li> </ul>                                                                                                                                                                                                            |
| Advanced Options | Hidden Network | Choose whether the network you are adding is a hidden network. If it is a hidden network, select <b>Yes</b> to add it successfully.                                                                                                                                                                                                                                                                                                                                 |
|                  | Metered        | Select <b>Detect automatically</b> , <b>Treat as metered</b> and <b>Treat as unmetered</b> .                                                                                                                                                                                                                                                                                                                                                                        |
|                  | Proxy          | <ul style="list-style-type: none"> <li>● <b>None</b> : Do not need proxy.</li> <li>● <b>Manual</b> : Set the proxy server parameters manually.</li> <li>● <b>Proxy Auto-Config</b> : The Device will automatically set proxy server parameters.</li> </ul>                                                                                                                                                                                                          |
|                  | IP Settings    | <ul style="list-style-type: none"> <li>● <b>DHCP</b> : The Device automatically searches for WLAN IP.</li> <li>● <b>Static</b> : You need to manually configure the <b>IP address</b>, <b>Gateway</b>, <b>Network prefix length</b>, <b>DNS 1</b>, and <b>DNS 2</b>. <ul style="list-style-type: none"> <li>◇ IP address must be on the same segment as the router.</li> <li>◇ Other parameters must be consistent with those on the router.</li> </ul> </li> </ul> |
|                  | Privacy        | <ul style="list-style-type: none"> <li>● <b>Use randomized MAC (default)</b> : The device uses a randomly generated MAC address when connecting to a Wi-Fi network.</li> <li>● <b>Use device MAC</b> : The device uses its fixed and unique MAC address (i.e. the address of the device) to connect to the Wi-Fi network.</li> </ul>                                                                                                                                |

Step 3 Tap **SAVE**.

### 3.5.1.2.2 Configuring Wi-Fi Preferences

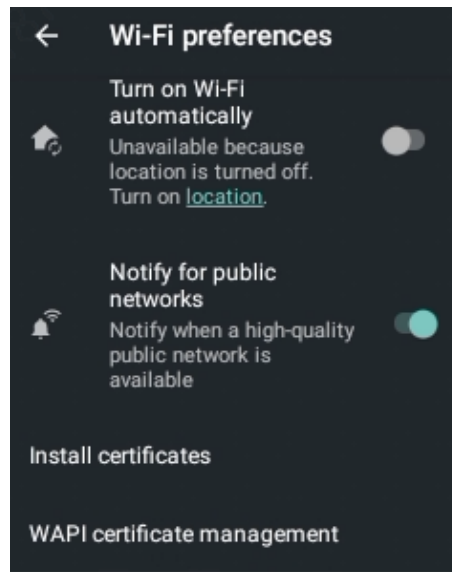
#### Prerequisites

WIFI direct connection requires location services to be enabled for use. For details, see "3.5.1.5 Location Services".

#### Procedure

Step 1 On the **Wi-Fi** screen, tap **Wi-Fi preferences**.

Figure 3-21 Wi-Fi preferences



**Step 2** Configure the parameters.

Table 3-4 Parameters of Wi-Fi preferences

| Parameter                   | Description                                                                                                                                                                                                                                                                                                |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Turn on Wi-Fi Automatically | <p>Automatically enables Wi-Fi when the Device is on a saved high-quality Wi-Fi network.</p> <p></p> <p>To use the function, you need to enable the location service. For details, see "3.5.1.5 Location Services".</p> |
| Notify for Public Networks  | Sends notifications when a high-quality public network is available.                                                                                                                                                                                                                                       |
| Install Certificates        | After you upload the security certificate to your device, tap <b>Install certificates</b> to select and install the certificate.                                                                                                                                                                           |
| WAPI Certificate Management | You can manage and maintain the security certificates used in the WAPI protocol.                                                                                                                                                                                                                           |

### 3.5.1.2.3 Managing Saved Networks

#### Procedure

- Step 1** On the **Wi-Fi** screen, tap **Saved networks**.
- Step 2** You can view the networks that were connected or added.
- Step 3** Select a network, and then tap **Forget** to remove the network.

### 3.5.1.3 Mobile Data

The Device can connect to network through mobile data.

## Procedure

- Step 1 On the home screen, select  > **Network** > **Mobile Data**.
- Step 2 Configure the parameters.

Figure 3-22 Mobile data

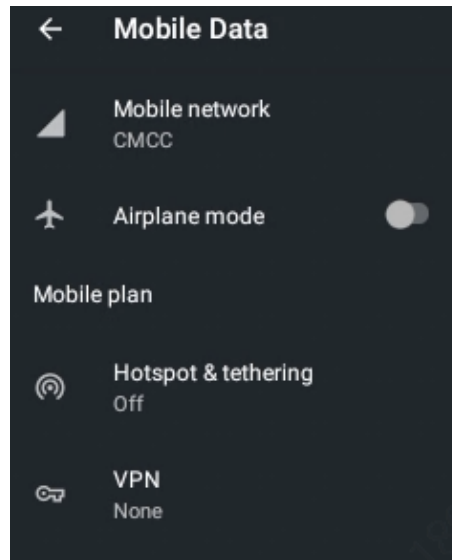


Table 3-5 Description of mobile data parameters

| Parameter             | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Mobile Network        | <p>Tap <b>Mobile network</b> to enter the configuration page.</p>  <p>Supports dual SIM card selection.</p> <ul style="list-style-type: none"> <li>• SIM name &amp; color: Tap  to configure the SIM card's name and color used by compatible apps.</li> <li>• Mobile data: Enables mobile network.</li> <li>• Roaming: Enables the Device to connect to the mobile network service while roaming.</li> <li>• Data warning &amp; limit: Configure the mobile data usage cycle, data warning and data limit.</li> <li>• 4G Calling: Uses 4G services to improve voice and other communication functions.</li> </ul>  <p>This function is enabled by default.</p> <ul style="list-style-type: none"> <li>• Preferred networks: Select the preferred network in the list.</li> <li>• Advanced: <ul style="list-style-type: none"> <li>◇ Preferred network type: You can select 4G, 3G or 2G as the preferred network mode. 4G is recommended.</li> <li>◇ Carrier video calling: Make high-quality video calls provided by mobile network operators.</li> <li>◇ Automatically select network: The device automatically chooses the best available mobile network.</li> <li>◇ Access Point Names: APN determines how the Device accesses the network.</li> </ul> </li> </ul> |
| Airplane Mode         | In airplane mode, cellular, Wi-Fi, and Bluetooth functions are disabled.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Hotspot and Tethering | <p>You can select the hotspot and network sharing mode.</p> <ul style="list-style-type: none"> <li>• Wi-Fi hotspot: Shares Internet connection or content with other devices. The hotspot can be accessed by entering a password.</li> <li>• USB tethering: Shares your mobile Internet connection over USB.</li> <li>• Bluetooth tethering: Shares your mobile Internet connection through Bluetooth.</li> <li>• Ethernet tethering: Shares phone's internet connection via USB Ethernet.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| VPN                   | Add the appropriate VPN as needed. Click  to edit the VPN profile.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Private DNS           | <p>You can select the private DNS mode.</p> <ul style="list-style-type: none"> <li>• <b>Off</b> : The Device uses the default DNS.</li> <li>• <b>Automatic</b> : The Device selects the best private DNS server based on system settings.</li> <li>• <b>Private DNS provider hostname</b> : You can manually specify a trusted third-party DNS provider.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

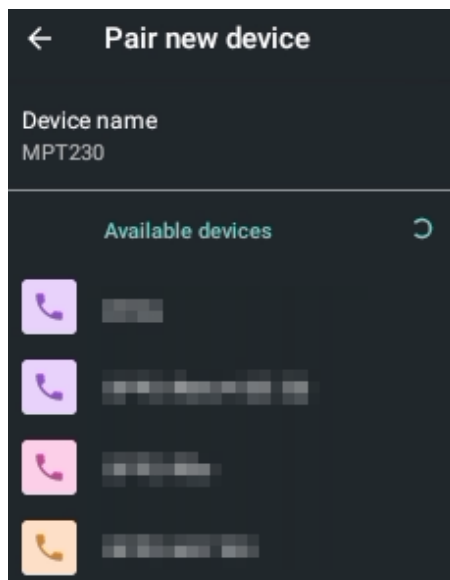
### 3.5.1.4 Bluetooth

When Bluetooth is enabled, a nearby device will be able to detect the Device, and then you can receive and share files through Bluetooth.

#### Procedure

- Step 1** On the home screen, select  > **Network** > **Bluetooth**.
- Step 2** Tap  to enable the Bluetooth.
- Step 3** Tap **Pair new device**.
- Step 4** Select the Bluetooth device to pair with, and then tap **Pair**.
- After confirmation on both devices, pairing is successful.

Figure 3-23 Bluetooth



#### Related Operations

- Tap **Device Name** to rename the Device.
- To connect with devices that had been paired, tap the device that has been previously connected. The Device will connect with the previously paired device automatically.
- Tap  to modify the device details.

### 3.5.1.5 Location Services

You can enable the satellite-based positioning service for the Device. After connecting the Device to the platform and enabling track record in **Network** > **Location Services**, the Device reports its location information to the platform.

#### Procedure

- Step 1** On the home screen, select  > **Network** > **Location Services**.
- Step 2** Tap  to enable the location services.
- Step 3** Configure the parameters.

Figure 3-24 Location services

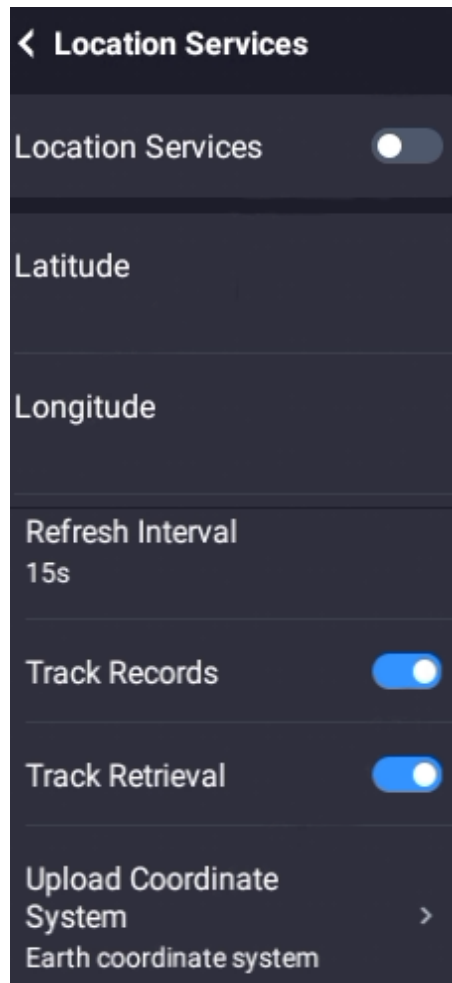


Table 3-6 Parameter description of location services

| Parameter                | Description                                                                                                                                                                                                                                                                                                 |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Latitude and Longitude   | After enabling the location function, you can see the latitude and longitude of the Device.                                                                                                                                                                                                                 |
| Refresh Interval         | <p>Select the interval at which the Device reports location information to the platform.</p> <p></p> <p>The default value is 15 s.</p>                                                                                   |
| Track Records            | Enable the Device to keep track of its historical locations.                                                                                                                                                                                                                                                |
| Track Retrieval          | Enable the function, and then the Device will cache. You can upload the location information to the platform.                                                                                                                                                                                               |
| Upload Coordinate System | <p>Select the GPS Coordinate System from <b>Earth coordinate system</b> or <b>Mars coordinate system</b>.</p> <p></p> <p>The selected coordinate system must be the same with the coordinate system on the platform.</p> |

### 3.5.1.6 Docking Mode

You can insert the MPT 230 into the docking base for charging, data upload and other functions.

#### Procedure

- Step 1 On the home screen, select  > **Network** > **Docking Mode**.
- Step 2 Tap  to enable the docking mode.  
Once the docking mode is enabled, when the MPT 230 is inserted into the base, the MPT will automatically enter the docking mode page.
- Step 3 Configure the parameters.

Figure 3-25 Docking mode

The screenshot shows the 'Docking Mode' configuration screen in the Dahua mobile app. At the top, 'Docking Mode' is toggled on. Below this, 'Network Mode' is set to 'Static IP'. 'IP Version' is set to 'IPv4'. There are two sections for 'Static Network Config', each with an 'IP Address' field. The first section also has a 'Static Network Config' link. The second section includes fields for 'Gateway', 'Subnet Prefix' (set to 24), 'DNS1', 'DNS2', 'MAC Address' (set to --), and 'MTU'. At the bottom, 'Update Dock' is toggled off.

| Setting                   | Value                  |
|---------------------------|------------------------|
| Docking Mode              | On                     |
| Network Mode              | Static IP              |
| IP Version                | IPv4                   |
| Static Network Config (1) | IP Address: [Redacted] |
| Static Network Config (2) | IP Address: [Redacted] |
| Static Network Config (2) | Gateway: [Redacted]    |
| Static Network Config (2) | Subnet Prefix: 24      |
| Static Network Config (2) | DNS1: [Redacted]       |
| Static Network Config (2) | DNS2: [Redacted]       |
| Static Network Config (2) | MAC Address: --        |
| Static Network Config (2) | MTU: [Redacted]        |
| Update Dock               | Off                    |

Table 3-7 Docking mode parameters

| Parameter                    |               | Description                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|------------------------------|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Network Mode                 |               | <p>Select the network mode.</p> <ul style="list-style-type: none"> <li>● <b>Auto Obtain</b> : The device will automatically obtain an IP address from the network.</li> <li>● <b>Static IP</b> : You need manually configure a specific IP address for the device.</li> </ul> <p></p> <p>Static Network Config is only available when you select <b>Static IP</b>.</p> |
| IP Version                   |               | Select <b>IPv4</b> or <b>IPv6</b> . Both versions are supported for access.                                                                                                                                                                                                                                                                                                                                                                             |
| Static Network Configuration | IP Address    | Tap <b>Static Network Config</b> to set the IP address, gateway, subnet prefix and DNS for the static IP of the device.                                                                                                                                                                                                                                                                                                                                 |
|                              | Gateway       |                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|                              | Subnet Prefix |                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|                              | DNS1          | <br>IP address and gateway must be on the same network segment.                                                                                                                                                                                                                                                                                                        |
|                              | DNS2          |                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| MAC Address                  |               | When the MPT 230 is connected to the docking base, you can view the MAC address of the base.                                                                                                                                                                                                                                                                                                                                                            |
| MTU                          |               | Set the MTU (Maximum Transmission Unit) value, ranging from 576 to 1500.                                                                                                                                                                                                                                                                                                                                                                                |
| Update Dock                  |               | Enable the function to update the docking base.                                                                                                                                                                                                                                                                                                                                                                                                         |

### 3.5.1.7 NFC

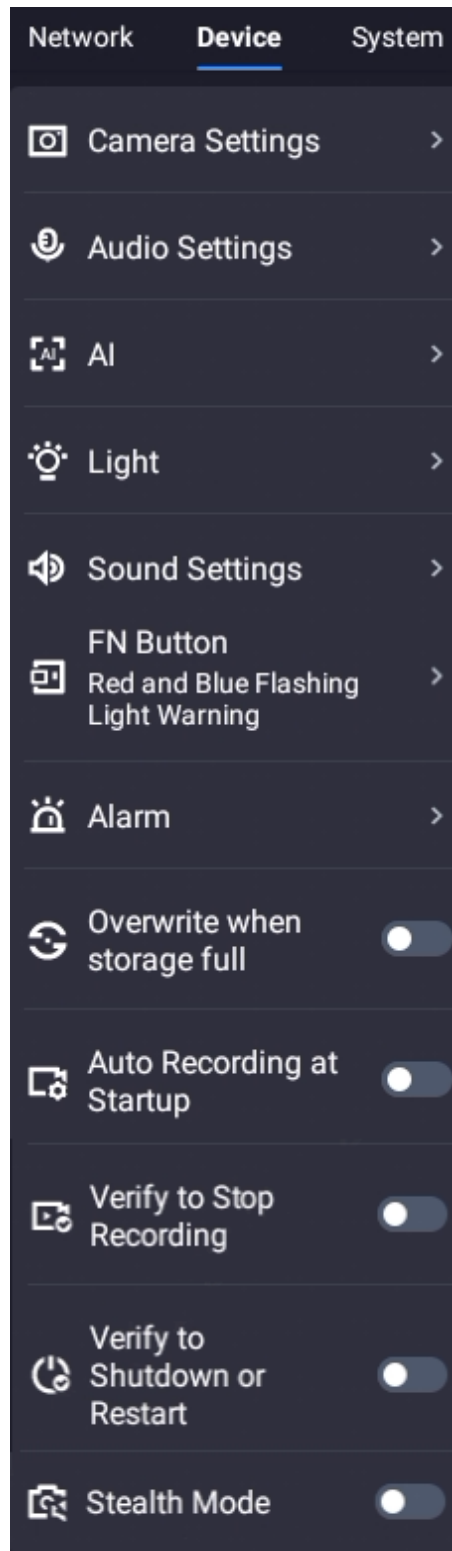
Enable the NFC function to allow for quick and secure data exchange between devices.

## 3.5.2 Device



On the home screen, tap  , and then tap the **Device** tab to configure camera settings, audio recording settings, and more.

Figure 3-26 Device



### 3.5.2.1 Camera Settings

Select **Device** > **Camera Settings** to configure camera settings.



The camera parameters might differ depending on the model you are using.

The configuration parameters for the front and rear cameras might differ.

Figure 3-27 Camera settings

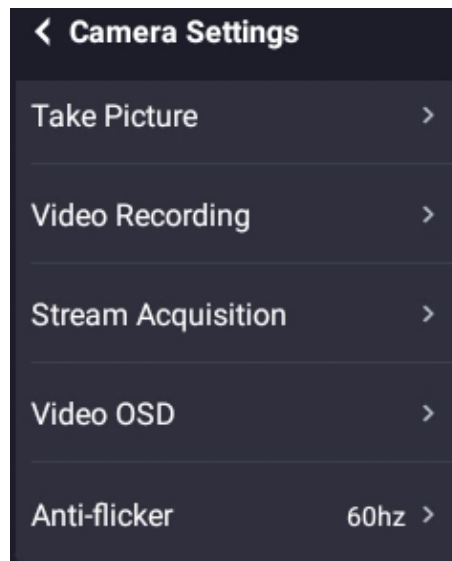


Table 3-8 Camera settings description

| Parameter       |             | Description                                                                                                                                                                                                                                                                                                                         |
|-----------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Take Picture    | Resolution  | <p>Configure the image size of the rear camera, the front camera and picture-in-picture frame.</p>  <p>The picture-in-picture image parameters cannot be configured and are grayed out, displaying 2M (1080x1920), which cannot be modified.</p> |
|                 | Burst       | Configure the number of continuous shots.                                                                                                                                                                                                                                                                                           |
| Video Recording | Compression | Configure the encoding type of video.                                                                                                                                                                                                                                                                                               |
|                 | Resolution  | Configure the video resolution. The higher the resolution, the higher the video quality, but meanwhile the more the storage space consumption.                                                                                                                                                                                      |
|                 | Frame Rate  | Configure the frame rate of video. The higher the frame rate, the smoother the video.                                                                                                                                                                                                                                               |
|                 | Bit Rate    | Configure the bit rate of video.                                                                                                                                                                                                                                                                                                    |
|                 | Pre-Record  | Configure the pre-record time. For example, if you select 10 s, the 10 s video prior to recording will be saved automatically.                                                                                                                                                                                                      |
|                 | Post-Record | Configure the post-record time. For example, if you select 10 s, 10 s video after the recording ends will be saved automatically.                                                                                                                                                                                                   |

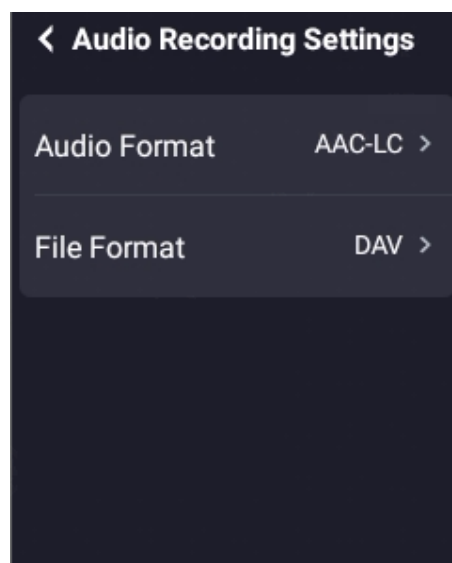
| Parameter          |                       | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|--------------------|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                    | EIS                   | <p>Enable the function to reduce the effect from vibration and shaking on video quality.</p>  <ul style="list-style-type: none"> <li>• The AI functions, EIS and distortion correction cannot be enabled at the same time.</li> <li>• When the resolution of the rear camera is set to 2K or above, EIS cannot be enabled.</li> <li>• The AI functions, viewing videos and recording videos in 4MP cannot be enabled at the same time.</li> </ul>                                                      |
|                    | Distortion Correction | <p>Fix or reduce any distortions in images or videos, such as lens or camera-related distortions, to make them look more accurate and true to life.</p>  <p>The smart functions, EIS and distortion correction cannot be enabled at the same time.</p>                                                                                                                                                                                                                                                 |
|                    | File Type             | <p>Select the file type of the videos.</p>  <p><b>Dav</b> and <b>Mp4</b> can be selected.</p>                                                                                                                                                                                                                                                                                                                                                                                                        |
|                    | Packaging Time        | <p>Configure the interval at which the recorded video is saved as a file.</p>  <ul style="list-style-type: none"> <li>• To avoid small files, the packaging time will fluctuate. For example, when you select 30 min, if the start time of recording is 10:26, the stop time will be 11:00; if the start time of recording is 10:14, the stop time will be 10:30.</li> <li>• A single recorded video file cannot exceed 2 GB in size and is automatically repackaged if beyond the limit.</li> </ul> |
|                    | Picture-in-Picture    | <p>You can enable the picture-in-picture function in the video recording process.</p>  <p>When enabled, resolution, frame rate, and bitrate cannot be changed; video encoding can be changed. The main camera can be configured, and the secondary camera's position can be set (top-left, bottom-left, top-right, or bottom-right).</p>                                                                                                                                                             |
| Stream Acquisition | Resolution            | Configure the video resolution for network transmission. The higher the resolution, the higher the video quality, but meanwhile the more memory and CPU resources are occupied.                                                                                                                                                                                                                                                                                                                                                                                                         |
|                    | Frame Rate            | Configure the frame rate of video for network transmission. The higher the frame rate, the smoother the video.                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

| Parameter    |                             | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|--------------|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|              | Bit Rate                    | Configure the bit rate of video for network transmission. The options available are different depending on the selected resolution and frame rate.                                                                                                                                                                                                                                                                                                                                                                |
|              | Compression                 | Configure the encoding type of video for network transmission.                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|              | Network Self-adaptive       | Enable network adaptation so that the device can adjust the video quality automatically according to the actual network bandwidth situation.                                                                                                                                                                                                                                                                                                                                                                      |
|              | Force Retransmission by TCP | Enable the function, and then it can optimize video transmission smoothness in scenarios with poor network quality and a high likelihood of packet loss.                                                                                                                                                                                                                                                                                                                                                          |
| Video OSD    |                             | <p>Configure whether to display device ID, user ID, time information, longitude and latitude information, task ID, custom information and OSD position and order on the live video image.</p>  <ul style="list-style-type: none"> <li>You can select one of the items above to the top.</li> <li><b>Top Left</b> , <b>Top Right</b>, <b>Bottom Left</b> and <b>Bottom Right</b> can be selected for the OSD position.</li> </ul> |
| Anti-flicker |                             | <p>Avoids flashing lines of the target during video recording.</p> <ul style="list-style-type: none"> <li><b>50 Hz</b> : AC frequency in China.</li> <li><b>60 Hz</b> : AC frequency in countries such as Japan and United States.</li> </ul>                                                                                                                                                                                                                                                                     |

### 3.5.2.2 Audio Recording Settings

Select **Device** > **Audio Recording Settings** to select the audio format and file format.

Figure 3-28 Audio recording settings



### 3.5.2.3 AI

Intelligent detection is to extract key information through image processing and analysis, and compare with the per-set detection rules. The device supports face detection by camera and ANPR by camera.



- When both face recognition by camera and ANPR by camera are enabled, the resolution of the rear camera cannot be set to 2K or above.
- Enabling any AI functions and setting the rear camera resolution to 2K or above will prevent live streaming from the rear camera.

#### 3.5.2.3.1 ANPR

##### Prerequisites

Enable ANPR in **Settings** > **Device** > **AI** > **ANPR**.

##### Background Information

When the license plate is detected in the detection area, the detection result will be show on the right side of the screen and a record be kept in file management.

On the home screen, select **Camera**, and then put the license plate in the detection area. The detection result will be show on the right side of the screen.



- Enable **ANPR Database** to create the ANPR database.
- Enable **Vibrate** so that the device will vibrate after comparison finishes.
- The ANPR database is distributed by the platform.

#### 3.5.2.3.2 Face Recognition

##### Prerequisites

Enable face detection by camera in **Settings** > **Device** > **AI** > **Face Recognition**.

##### Background Information

On the home screen, select **Camera**, and then put the face in the detection area. The detection result will be shown on the right side of the screen.

- Enable **Main Group** in **Face Comparison Database** so that the database is configured.
- Set the similarity ratio for face comparison in **Success Threshold**.
- Enable **Vibrate** so that the device will vibrate after comparison finishes.
- The face database is distributed by the platform.



- When the face images are detected in the face detection area, the detection result will be shown on the right side of the screen and a record be kept in the face detection of the file management. For details, see Figure 3-51 .
- The face recognition function will compare detected faces with those in the face database, and once the comparison is successful, the information will be saved in the face recognition section of the file management. For details, see "Face recognition results".

### 3.5.2.3.3 AI Always-On

Once the function is enabled, it will activate the corresponding AI algorithm in the background, regardless of whether the rear camera is turned on or not.

### 3.5.2.4 Light Settings

Configure light settings on the device as needed.

Select **Device** > **Light**.

Figure 3-29 Light settings

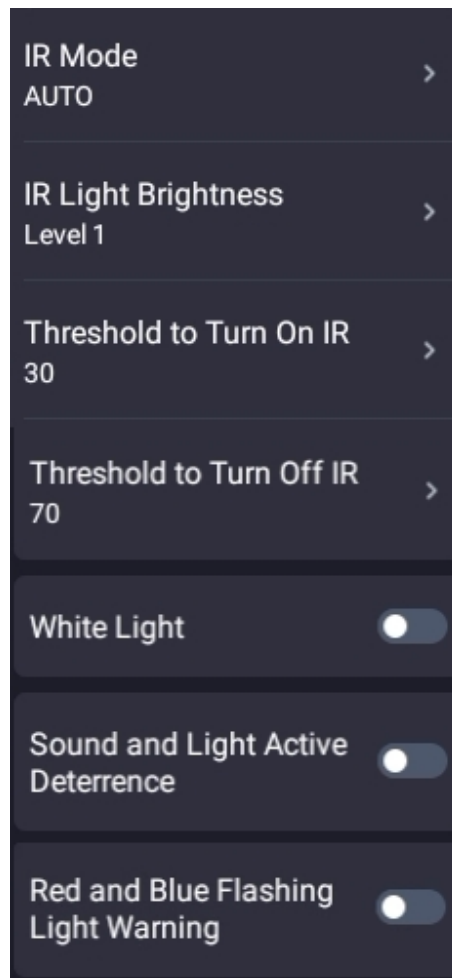


Table 3-9 Light settings

| Parameter           | Description                                                                                                                                               |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| IR Mode             | Night vision mode. Select the mode from <b>AUTO</b> , <b>OPEN</b> , and <b>CLOSE</b> . <b>CLOSE</b> is selected by default.                               |
| IR Light Brightness | Configure the brightness of the infrared light.<br>You can set the level to Level 1, Level 2, Level 3, Level 4 and Level 5, and it is Level 1 by default. |

| Parameter                           | Description                                                                                                                                               |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Threshold to Turn On/Off IR         | In the <b>AUTO</b> mode, set the threshold for the IR light to turn on and turn off. The default for the IR light to turn on is 30 and to turn off is 70. |
| White Light                         | Tap  to turn on the white light.                                         |
| Sound and Light Active Deterrence   | Tap  to use loud sounds and bright lights to serve as a warning.         |
| Red and Blue Flashing Light Warning | Tap  to turn on the red and blue flashing light.                         |

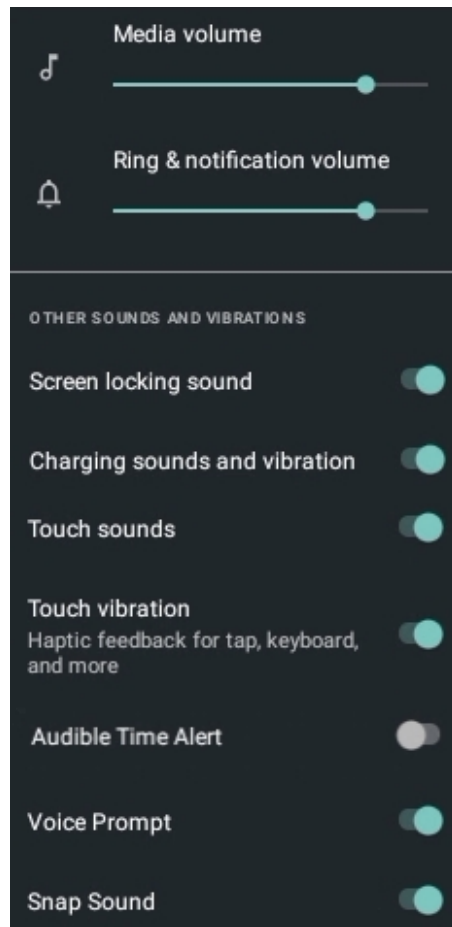
### 3.5.2.5 Sound Settings

You can configure media and notification volume, enable or disable other sounds and vibrations.

#### Procedure

- Step 1 Select **Device** > **Sound Settings**, and then drag the slider to adjust the media and ring & notification volume.
- Media volume involves video and audio playback.
  - Notification volume includes key tones, capture success sound, and more.
- Step 2 Tap  to enable other sounds and vibrations, including screen locking sounds, charging sounds and vibration, touch sounds, touch vibration, audible time alert, voice prompt and snap sound.

Figure 3-30 Adjust sound



### 3.5.2.6 FN Button

Select **Device** > **FN Button**, and then you can choose **None**, **Red and Blue Flashing Light Warning**, **Sound and Light Active Deterrence**, **White Light** and **Stealth Mode** associated with pressing the FN key for 2 seconds.

### 3.5.2.7 Alarm Settings

Select **Device** > **Alarm** to configure the alarm settings.

Figure 3-31 Alarm settings

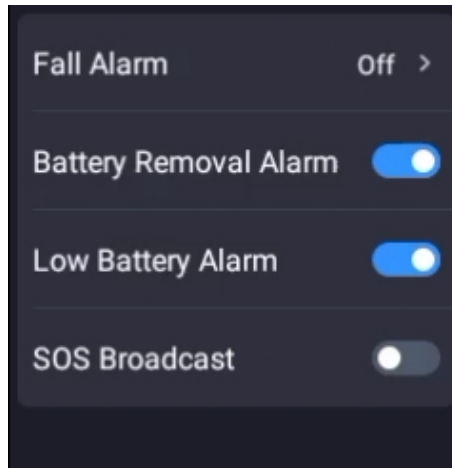


Table 3-10 Alarm setting parameters

| Name                  | Parameter                                                                                                                                                                                                                         |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Fall Alarm            | An alarm is triggered when the Device falls down to the ground and the rear camera starts recording videos. You can set the auto recording time from <b>1 min , 3 min, 5 min, 10 min</b> or you can select <b>Manually Stop</b> . |
| Battery Removal Alarm | An alarm is triggered when the battery is removed.                                                                                                                                                                                |
| Low Battery Alarm     | An alarm is triggered when the battery gets low.                                                                                                                                                                                  |
| SOS Broadcast         | A broadcast alarm is triggered when the device enables the SOS function.<br>The nearby MPT 230, MPT230-P and MPT230-P/E devices will automatically start recording key videos via Bluetooth.                                      |



When the over temperature protection is triggered, the Device will send a notification to prompt you to handle the temperature anomaly to avoid slow screen response, system failure or data exception.

When the temperature becomes too high, the device will automatically shut down.

### 3.5.2.8 Data Overwrite

Select **Device** > **Overwrite when storage full**, and then enter the password of the admin account to enable or disable data overwriting. After the function is enabled, the oldest non-key files will be overwritten when the storage space is full.



This function is only available for admin account.

### 3.5.2.9 Auto Recording at Startup

Select **Device** > **Auto Recording at Startup**, and then tap  to enable the function. Enter the admin password and then tap **OK**. The device will start video recording automatically after system starts up.



This function only can be enabled by the admin user.

### 3.5.2.10 Verify to Stop Recording

Enable the function, tap **Stop Recording** (including both physical buttons and on-screen buttons such as manual/auto stop buttons in the preview page and task page). An admin password or gesture password will first pop up for verification, and the recording will only stop after successful verification.

### 3.5.2.11 Verify to Shut Down or Restart

Enable the function, and then when pressing and holding the power button and tapping to shut down or restart, a pop-up window will require admin password or gesture verification. Only after successful verification will the shutdown/restart be permitted.

### 3.5.2.12 Stealth Mode

Select **Device** > **Stealth Mode**, and then tap  to enable the function.



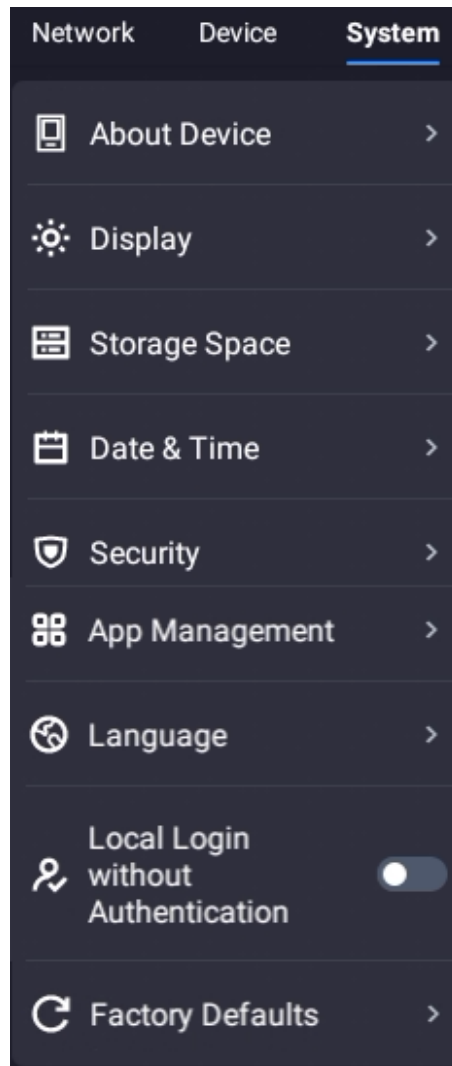
If it is enabled, the system will turn off vibration, sound and light during video recording, audio recording, photo taking, and intercom communication.

## 3.5.3 System



On the main screen, tap , and then select **System**. You can configure security, display, date and time, language, and more.

Figure 3-32 System



### 3.5.3.1 About Device

Select **System** > **About Device** to view device information such as device name, serial number, and Android version.

### 3.5.3.2 Display

Select **System** > **Display** to adjust the screen brightness and device hibernation time.

Figure 3-33 Display

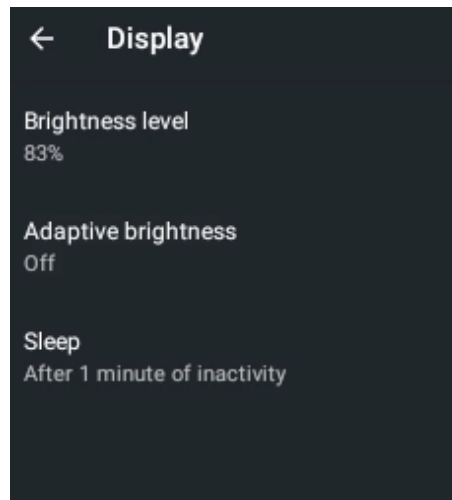


Table 3-11 Display parameters

| Parameter           | Description                                                                                                  |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Brightness level    | Adjust the screen brightness.                                                                                |
| Adaptive brightness | Automatically adjusts the screen brightness according to the environment and activity.                       |
| Sleep               | Configure the hibernation time. The Device automatically hibernates after the predefined time of inactivity. |

### 3.5.3.3 Storage Space

Select **System** > **Storage Space** to view the used and total storage space.



If you want to use an SD card, make sure to format it to FAT32 first. After you insert an SD card, the Device will display the used and total storage space of the SD card. If the format is wrong, you can format the card.

### 3.5.3.4 Date & Time

Select **System** > **Date & Time** to configure date and time settings.

Table 3-12 Date &amp; Time parameters

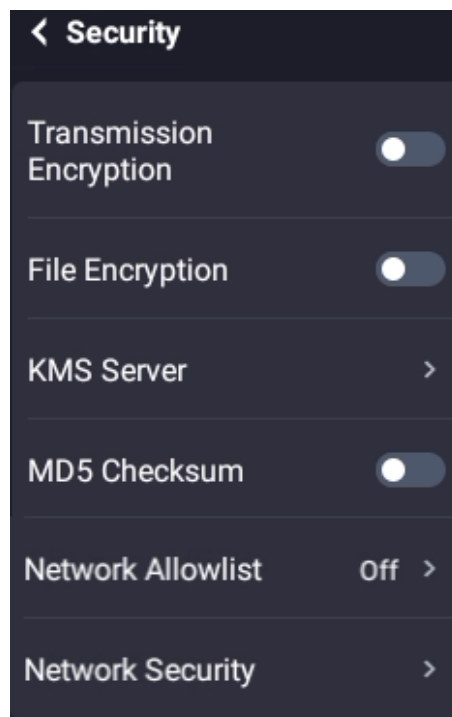
| Parameter        | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Time Sync        | <p>Sync device time with the network, platform or GPS satellite.</p>  <ul style="list-style-type: none"> <li>To sync with the network time, ensure that the Device is connected to the network, such as a 4G or Wi-Fi.</li> <li>To sync with platform time, ensure that the Device is connected to the platform.</li> <li>The Device can also sync time through MPT Manager.</li> <li>To sync time through GPS satellite, ensure that <b>Location Service</b> is enabled. For details, see "3.5.1.5 Location Services".</li> </ul> |
| Select time zone | You can select time zone when <b>Automatic time zone</b> is disabled or enable the automatic time zone to use network-provided time zone.                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

### 3.5.3.5 Security

#### Procedure

Step 1 Select **System** > **Security**.

Figure 3-34 Security



Step 2 Configure the parameters.

Table 3-13 Security parameters

| Parameter               | Description                         |
|-------------------------|-------------------------------------|
| Transmission Encryption | Enable encryption for transmission. |

| Parameter         | Description                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                       |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| File Encryption   | Enable encryption for files.                                                                                                       |                                                                                                                                                                                                                                                                                                                                                       |
|                   |                                                   | WAV and MP4 formats do not support file encryption.                                                                                                                                                                                                                                                                                                   |
| KMS Server        | Configure the address of the file encryption server.                                                                               |                                                                                                                                                                                                                                                                                                                                                       |
| MD5 Checksum      | Enable it to verify if the file has changed during transmission or storage.                                                        |                                                                                                                                                                                                                                                                                                                                                       |
| Network Allowlist | To allow access of only trusted IPs, MACs and ports, enable <b>Network Allowlist</b> and then add the trusted IPs, MACs and ports. |                                                                                                                                                                                                                                                                                                                                                       |
| Network Security  | Security Exception Alarm                                                                                                           | Displays alarm information when an exception occurs.                                                                                                                                                                                                                                                                                                  |
|                   | Login Authentication                                                                                                               | Configure login mode. We recommend you turn on security mode to avoid security risks.                                                                                                                                                                                                                                                                 |
|                   | Dynamic Multi-link                                                                                                                 | Enable it to set an independent link for each request. It is used during live view video, voice talk and playback.                                                                                                                                                                                                                                    |
|                   | Private Protocol                                                                                                                   | Enable it to enhance security for data transmission.                                                                                                                                                                                                                                                                                                  |
|                   | Security Authentication                                                                                                            | Select <b>MD5</b> or <b>SHA256</b> for security authentication.<br> <ul style="list-style-type: none"> <li>At least one item should be selected.</li> <li>You can select <b>MD5</b> and <b>SHA256</b> simultaneously, and <b>SHA256</b> takes priority.</li> </ul> |

### 3.5.3.6 App Management

#### 3.5.3.6.1 Viewing App Information

Select **System** > **App Management** > **App info**, enter the password, and then you can view the information on the apps.



Only the admin account has the permission to view the app information.

#### 3.5.3.6.2 Configuring the Startup App

Select **System** > **App Management** > **Power On**, enter the password, and then you can set the startup app that runs automatically after the system starts up.



- Tap **Clear All** to remove all the startup settings.
- You can set only one startup app.
- Only the admin account has the permission to set the startup app.

### 3.5.3.6.3 Installing Platform Apps

Install the platforms apps that have been configured in advance.

#### Procedure

**Step 1** Select **System** > **App Management** > **Platform app installation**.

**Step 2** Select a pre-configured platform apk file.



The apk files are configured before the Device leaves the factory. Contact the technical support to get other apk files.

**Step 3** Follow the on-screen instructions to install the app. The installed app will appear on the home screen.

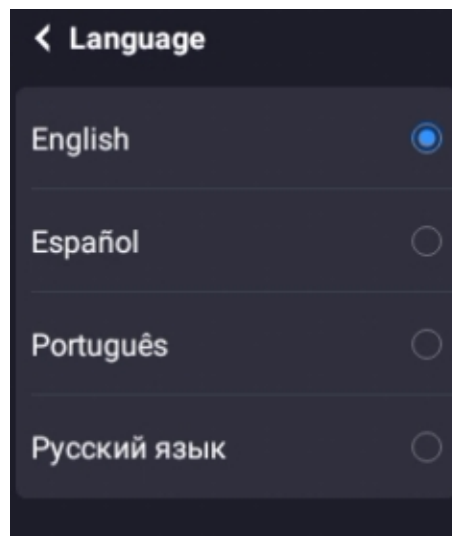
### 3.5.3.7 Language

Select **System** > **Language** to configure the device language, keyboards and tools.



You can select English, Spanish, Portuguese and Russian.

Figure 3-35 Configure language



### 3.5.3.8 Login without User Verification

Select **System** > **Login without user verification**. Tap , and then tap **Open** to enable the function. You do not need to enter the password for unlocking the Device or after the Device restarts up. The other related operations still need to enter the password.



After this function is enabled, all users can directly access the Device.

### 3.5.3.9 Reset

Restore the Device to default settings.

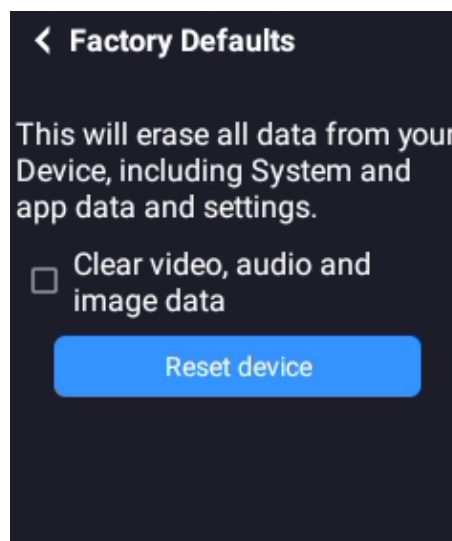


- Restoring default settings will clear all data stored on your Device, including system, app data and settings and face and ANPR files. The Device still retains the serial number. You can select whether to clear video, audio and image data in the internal storage and micro SD card. Proceed with caution.
- Only the admin account has the permission to reset the Device.

#### Procedure

- Step 1 Select **System** > **Reset**.
- Step 2 Select **Clear video, audio and image data**.
- 
- This option is unchecked by default.
- Step 3 Tap **Reset device**, and then tap **Erase everything**.
- Step 4 Enter the password, and then tap **OK**.

Figure 3-36 Reset



## 3.6 System Maintenance

On the home screen, tap **Maintenance**, and then you can perform maintenance operations such as system update, and ping test.

### 3.6.1 Online Update

When the device is connected to the internet, it can be updated online. Before it is updated, you need to check whether there is the latest version. The version check can be done automatically or manually.

#### Procedure

- Step 1 On the home screen, select **Maintenance** > **Online Update**.
- Step 2 Check the version.

- Auto check: Tap  to enable the **Auto check** function.
- Manual check: Tap **Manual check** to check whether there is the latest version.

**Step 3** Tap to update the system.



If the page shows "You are using the latest version", you do not need to update the system.

## 3.6.2 Platform Upgrade

Upgrade the platform in the device.

### Procedure

**Step 1** On the home screen, select **Maintenance** > **Platform Upgrade**.

**Step 2** Tap  to enter the update server page.

**Step 3** Enter the IP address and port, and then tap **Save**.

Subsequent updates will be pushed via the platform's upgrade package.

## 3.6.3 Local System Upgrade

On the home screen, select **Maintenance** > **Local System Upgrade**. The Device detects update package automatically. After local update package is detected, you can select the package to update the system.

## 3.6.4 Scan to Update

You can scan the QR code to get the update file, and then update the system.

### Procedure

**Step 1** On the home screen, select **Maintenance** > **Scan to Update**.

**Step 2** Scan the QR code that corresponds to the update file.

**Step 3** Tap **Download** to download the update file.



Anonymous login is enabled by default. You can tap **SETTINGS** on the upper-right corner of the **Scan to Update** screen, disable anonymous login, and then configure the FTP username and password.

**Step 4** After the download is complete, tap **OK** to update immediately.

You can also use the update file to update the system later. For details, see "4.2 Updating on Local Device".



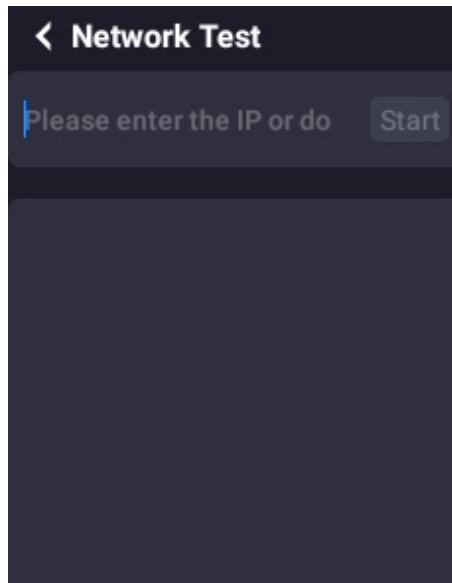
The Device suspends the download process when network breaks down and resumes downloading when network is recovered.

## 3.6.5 Network Test

You can test the network connection.

On the home screen, select **Maintenance** > **Network Test**, enter the target IP address or the domain name, and then tap **Start**.

Figure 3-37 Ping test



## 3.6.6 Network Capture

You can capture data packets and share them through Bluetooth. The packets help to diagnose and solve network problems.

### Prerequisites

To share captured packet, you need to turn on Bluetooth. For details, see "3.5.1.4 Bluetooth".

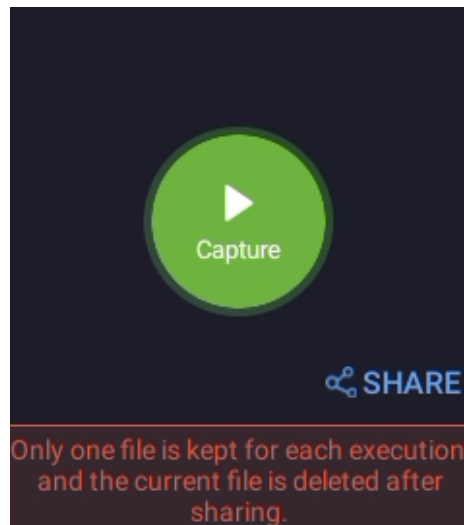
### Procedure

- Step 1 On the home screen, select **Maintenance** > **Network Capture**.
- Step 2 Tap **Capture** to capture data packets.
- Step 3 Tap **StopCap** to stop capturing data packets.
- Step 4 Tap **SHARE** to send the captured packet to a Bluetooth device.



The shared file will be deleted automatically. If you tap **Capture** again, the previously captured packets will also be deleted automatically.

Figure 3-38 Network capture



### 3.6.7 Log Package

The logs record the information on the system operation, through which you can identify some abnormal operations. You can package the logs and share them through Bluetooth.

#### Prerequisites

To share log package, you need to turn on Bluetooth. For details, see "3.5.1.4 Bluetooth".

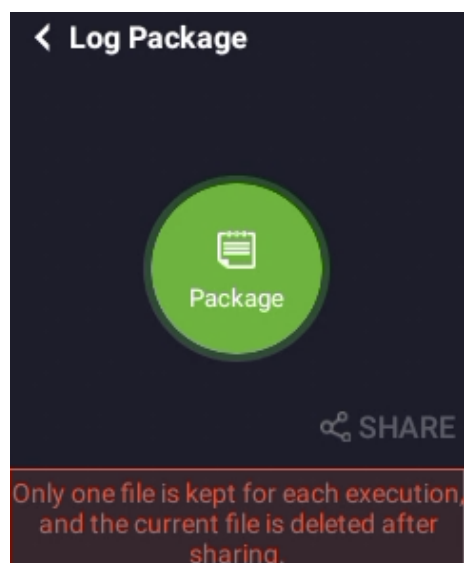
#### Procedure

- Step 1 On the home screen, select **Maintenance** > **Log Package**.
- Step 2 Tap **Package** to compress logs into one package.
- Step 3 Tap **SHARE** to send the log package to a Bluetooth device.



The shared file will be deleted automatically.

Figure 3-39 Log package



### 3.6.8 Signal Strength and Band

Check the signal and band of SIM card.

On the home screen, select **Maintenance** > **Signal Strength and Band**, the SIM card provider name, network information, mobile network type, signal intensity and band of SIM card will be displayed automatically.



Supports the dual-card configuration.

### 3.6.9 ADB Network Debugging

On the home screen, select **Maintenance** > **ADB Network Debugging**, and then tap . After the device connects to the network, you can debug the device through ADB network.

## 3.7 Audio Recording

### 3.7.1 Recording Audio

Press  on any screen to record audio, or tap  on the home screen, and then tap .

Figure 3-40 Record audio

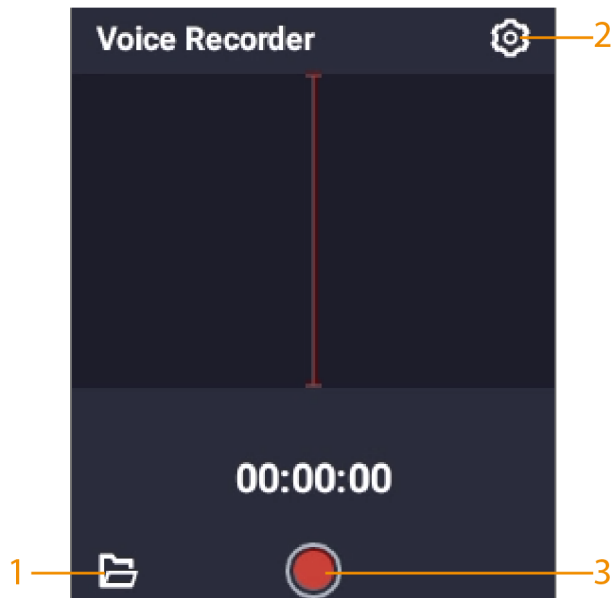


Table 3-14 Audio recording functions

| No. | Function                                                                               |
|-----|----------------------------------------------------------------------------------------|
| 1   | Tap the icon and then enter password or unlock pattern to view and manage audio files. |

| No. | Function                                                                                                                                                                                                   |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2   | <p>Tap the icon to set audio format and file format.</p>  <p>During recording audio process, icon 1 and 2 are hidden.</p> |
| 3   | <p>Tap the icon to start recording audio. Tap  to stop. System prompts "Stop recording audio".</p>                       |

## 3.7.2 One Press to Record Audio

When the Device is sleeping, press  to start recording audio. Press  again to stop.

## 3.8 Video Recording

### 3.8.1 Recording Video

- To start recording, tap  on the home screen, tap  to start recording video, and then tap  to stop recording.
- Press  to start recording video, and then press  again to stop recording.

Figure 3-41 Record video

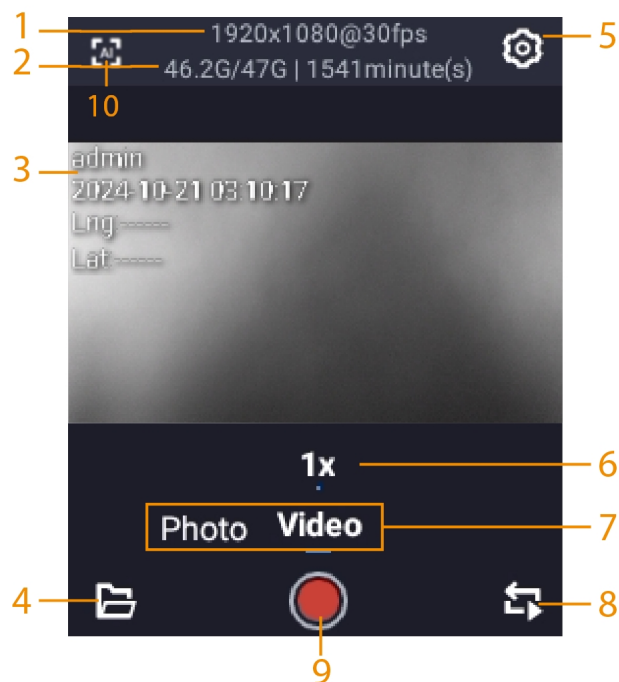
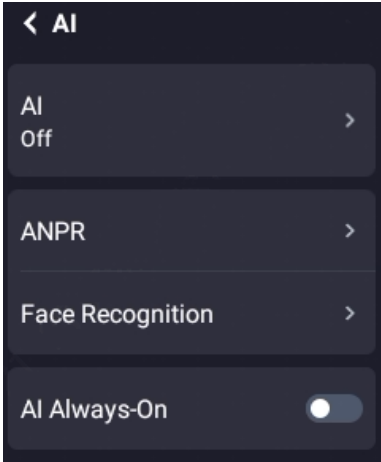
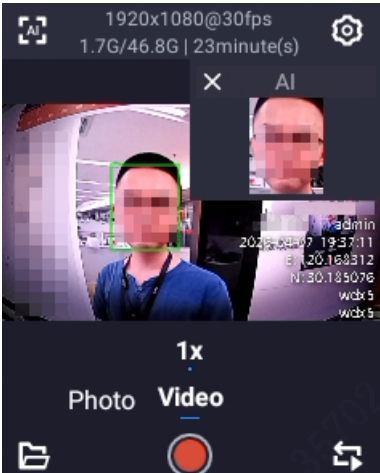
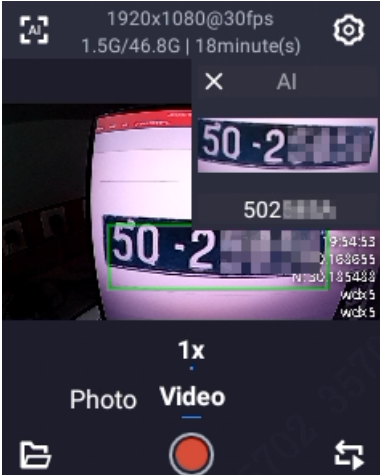


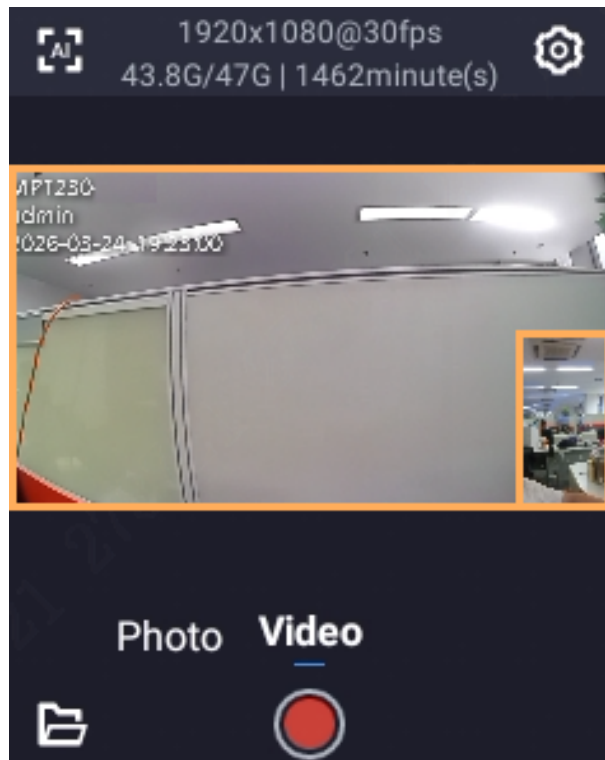
Table 3-15 Video recording functions

| No. | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1   | <p>Video quality.</p>  <p>Shows picture resolution when the Device is in capturing mode.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 2   | <p>Remaining capacity/total capacity, and remaining recording time.</p>  <ul style="list-style-type: none"> <li>The remaining recording time varies with video quality.</li> <li>Shows the remaining capacity/total capacity in capturing mode, and the remaining number of pictures that you can take.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 3   | <p>Date, time, GPS information, and custom information.</p>  <ul style="list-style-type: none"> <li>To show GPS information, make sure that location service and GPS display are enabled. Select  &gt; <b>Network</b> &gt; <b>Location Service</b> to enable positioning; select  &gt; <b>Device</b> &gt; <b>Camera Settings</b> &gt; <b>Overlay</b> &gt; <b>GPS OSD</b> to enable GPS display.</li> <li>Supports to configure the custom OSD information on local, and then enable custom information display in  &gt; <b>Device</b> &gt; <b>Camera Settings</b> &gt; <b>Overlay</b>.</li> </ul> |
| 4   | Tap the icon and then enter password to view and manage video files.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 5   | Camera settings. For details, see "3.5.2.1 Camera Settings".                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 6   | Tap to select the zooming degree. It can be zoomed at 1.0, 2.0, 4.0, 6.0 and 8.0 times.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 7   | Tap to switch between recording mode and capturing mode.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 8   | Tap the icon to switch between front camera and rear camera.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 9   | <ul style="list-style-type: none"> <li>When the Device is in recording mode, tap  to start recording video and then tap  to stop.</li> <li>When the Device is in capturing mode, tap  to take a picture.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

| No. | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 10  | <p data-bbox="481 286 1200 320">Tap <b>AI</b> to quickly enter the page of AI function configuration.</p> <div data-bbox="481 338 863 797">  </div> <p data-bbox="481 824 1388 887">When the system detects a face or license plate, an AI prompt box will appear and collect facial or ANPR information.</p> <ul data-bbox="481 907 767 940" style="list-style-type: none"> <li>• AI prompt box (face).</li> </ul> <div data-bbox="520 960 901 1431">  </div> <ul data-bbox="481 1444 783 1478" style="list-style-type: none"> <li>• AI prompt box (ANPR).</li> </ul> <div data-bbox="520 1498 901 1971">  </div> |

If you enable the picture-in-picture function, the video will display dual-screens.

Figure 3-42 Record video (picture-in-picture)



The device supports USB external cameras and HDMI-to-USB devices (also virtualized as cameras), enabling recording and streaming for these cameras. The HDMI cable allows input from another host (computer, drone, etc.) to the MPT device, displaying the input feed on the camera interface.

### 3.8.2 One Press to Record a Video

When the Device is sleeping, press  to start recording video. The Device prompts **Start recording video** and the login screen is displayed with a recording icon in the notification bar.

Press  again to stop recording video, and you can hear a sound prompt "Stop recording video".



If the device you are using has a recording button on the back, you can press the button to start recording a video.

### 3.8.3 Focusing

On the live view screen, tap the screen, and then you can select the zooming degree at X1.0, X2.0, X4.0, X6.0 and X8.0.



Front cameras, external cameras, and picture-in-picture do not support this function.

### 3.8.4 Marking Important Videos

When a fall alarm is triggered or SOS button is pressed, the Device automatically records videos which are marked as important files.

During recording videos, you can also mark a video as an important file by pressing and holding



Tap  to view files. The important files are marked with ★, and their names end with \_IMP.

## 3.9 Pictures

### 3.9.1 Taking a Picture

On the live view screen, press  or tap . The working indicator light flashes red and system prompts success.

### 3.9.2 One Press to Take a Picture

When the Device is sleeping, press  to take a picture. If you have configured continuous shot, you can press  once to take the defined number of pictures.

## 3.10 Files

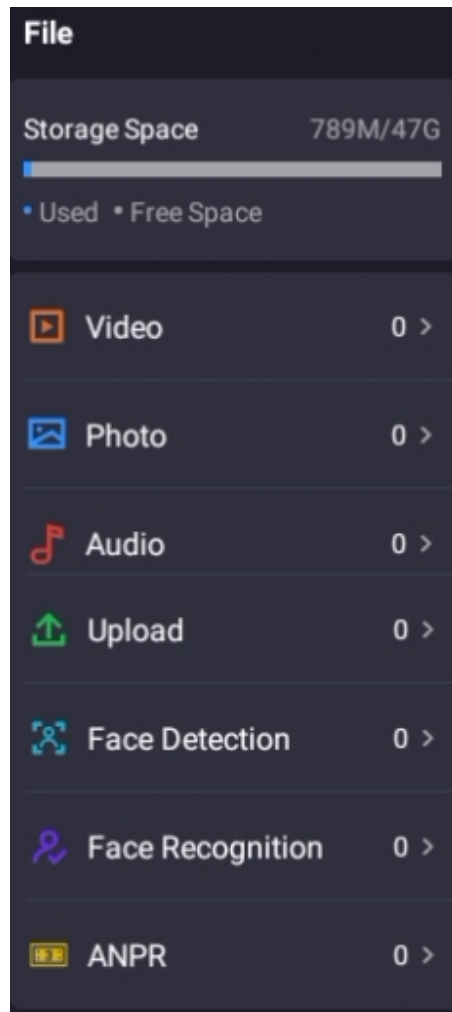
You can view pictures, videos, audio files, face detection, face recognition, and ANPR files saved in your device.

### 3.10.1 Viewing Pictures

#### Procedure

- Step 1 On the home screen, tap .
- Step 2 Draw the unlock pattern or enter your login password, and then tap **OK**.

Figure 3-43 Files

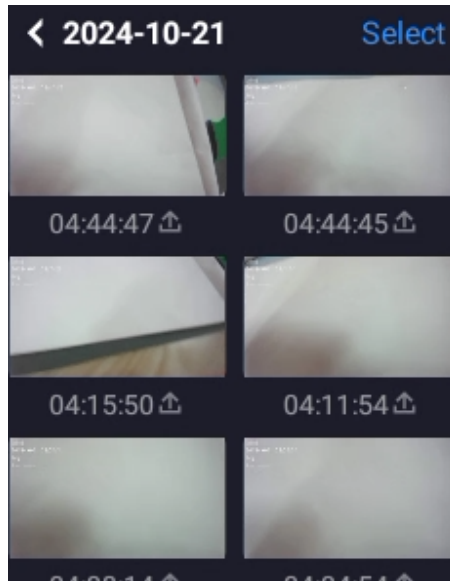


Step 3 Tap **Photo**, select a folder, and then tap a picture to play.



The folders are displayed in chronological order, and the newest folder is on the top of the list.

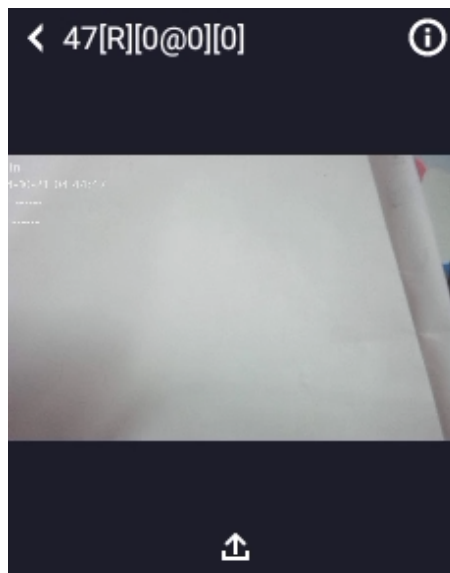
Figure 3-44 Select a picture



- To select a picture, tap and hold it, and  appears on the right-bottom corner of the picture.  means the picture has been selected.
- Tap  to select all the pictures in the current folder.
- Tap **Cancel** to unselect pictures.

Step 4 Tap a picture.

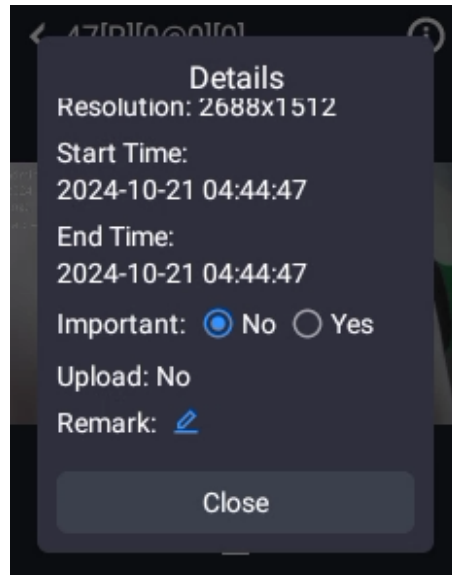
Figure 3-45 View a picture



- When viewing a picture, swipe left or right on the screen to see the previous or next pictures.
- Use two finger to zoom in or out the picture.
- When floating button is used for back operation, tap  to go back to the picture list; when gesture is used, swipe left or right from the screen edge instead.

- Tap  to view details of the selected picture, such as file type, size, and resolution. Tap **Yes** next to **Important** to mark the picture as an important file. Tap **No** to cancel the mark.

Figure 3-46 Details



- Tap  to upload the picture to platform.

## 3.10.2 Playing Video

### Procedure

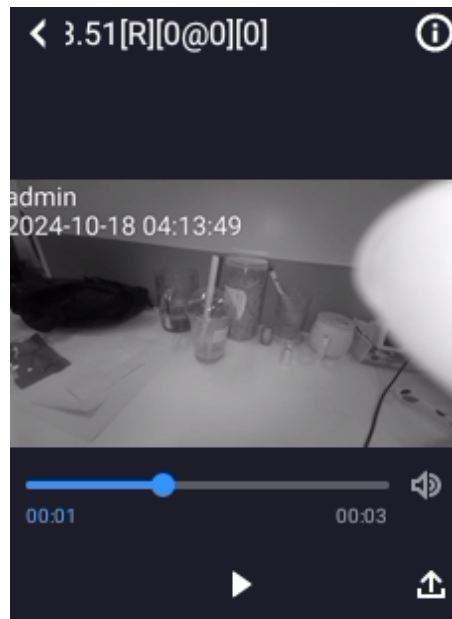
- Step 1 On the home screen, tap .
- Step 2 Draw the unlock pattern or enter your login password, and then tap **OK**.
- Step 3 Tap the **Video** tab.
- Step 4 Select a folder.



The folders are displayed in chronological order, and the newest folder is on the top of the list.

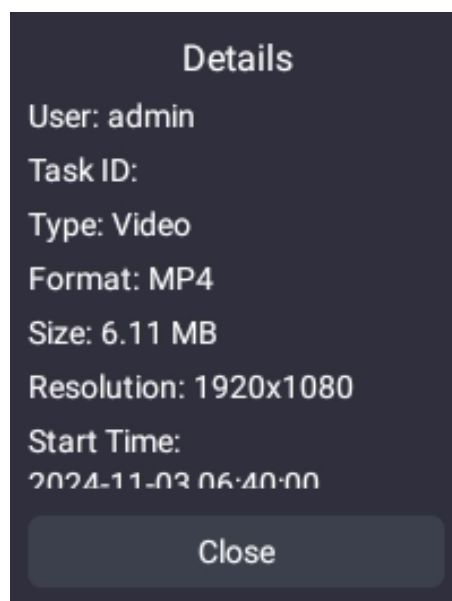
- Step 5 Tap the video file to play.

Figure 3-47 Play video



- When viewing a video, swipe left or right on the screen to play the previous or next videos.
- Drag the progress bar to fast-forward or rewind.
- Tap  to pause.
- Tap  to adjust volume.
- When floating button is used for back operation, tap  to go back to the video list; when gesture is used, swipe left or right from the screen edge instead.
- Tap  to view video details.

Figure 3-48 Details



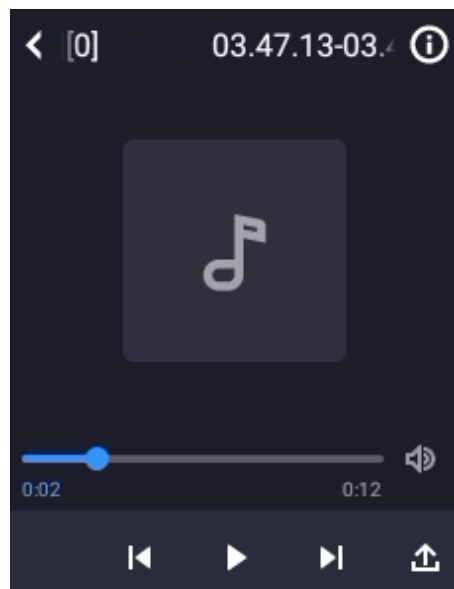
- Tap  to upload the current video to the platform.

### 3.10.3 Playing Audio

#### Procedure

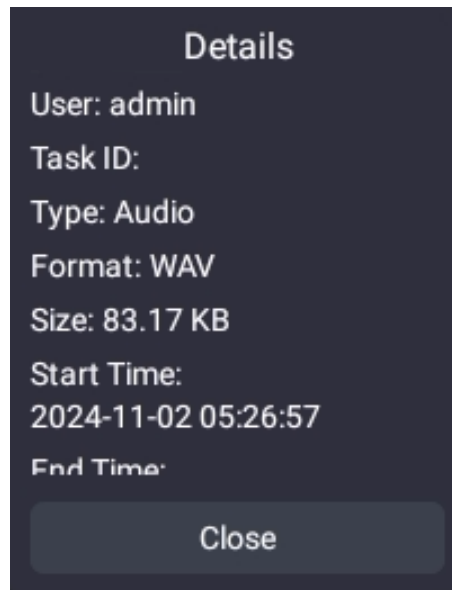
- Step 1 On the home screen, tap .
- Step 2 Draw the unlock pattern or enter your login password, and then tap **OK**.
- Step 3 Tap the **Audio** tab.
- Step 4 Select a folder.
- The folders are displayed in chronological order, and the newest folder is on the top of the list.
- Step 5 Tap the audio file to play.

Figure 3-49 Play audio



- Tap  or  to play the previous or next audio in the folder.
- Drag the progress bar to fast-forward or rewind.
- Tap  to pause.
- Tap  to adjust volume.
- When floating button is used for back operation, tap  to go back to the audio list; when gesture is used, swipe left or right from the screen edge instead.
- Tap  to view audio details.

Figure 3-50 Details



- Tap  to upload the current audio to the platform.

### 3.10.4 Viewing AI Function Files

You can view face detection, face recognition and ANPR files and select them to delete.

#### Procedure

- Step 1 On the home screen, tap .
- Step 2 Draw the unlock pattern or enter your login password, and then tap **OK**.
- Step 3 Select **Face Detection**, **Face Recognition** or **ANPR** to view the corresponding files.

Figure 3-51 Face detection results

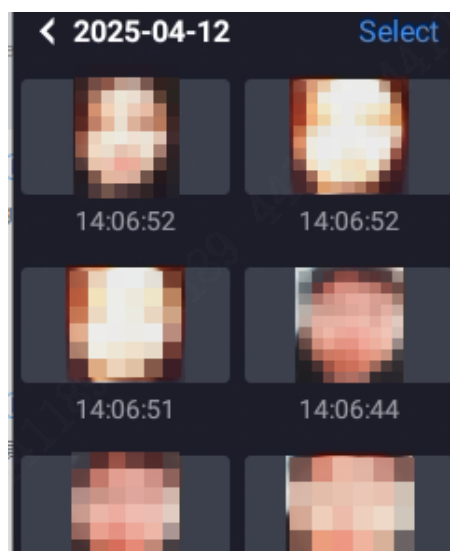


Figure 3-52 Face recognition results

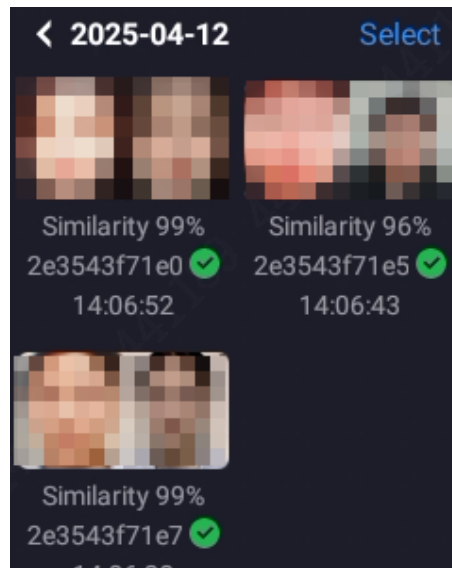
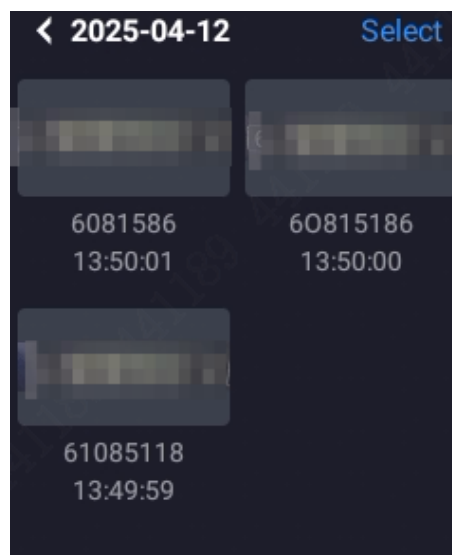


Figure 3-53 ANPR results



## Related Operations

- Tap **Select** to select some results to delete.
- Tap **Select** and select **All** to delete all results.

## 3.11 Switching between Video and Audio Recording

You can switch between video and audio recording with a simple press.

- When the Device is recording video, press , or tap  on the home screen and then tap  to stop recording video and start recording audio.
- When the Device is recording audio, press , or tap  on the home screen and then tap  to stop recording audio and start recording video.

## 3.12 Light & Sound Icons

Light & sound can be used to assist in law enforcement at night or with low illuminance.

Swipe down the notification bar, and then tap the icons to open the light & sound indicators.

Table 3-16 Light icons

| Icons                                                                             | Description                                 |
|-----------------------------------------------------------------------------------|---------------------------------------------|
|  | Flashlight                                  |
|  | IR light                                    |
|  | Red and blue flashing light with loud sound |
|  | Red and blue flashing light without sound   |



The light & sound cannot be enabled when the battery level is lower than 5%.

## 3.13 Data Transmission

You can upload data from the Device to MPT Manager and data acquisition station.

- Make sure that the **Private Protocol** is enabled.
- After starting the Device, use USB cable to connect the Device to the PC, start MPT Manager, enter password, and then confirm to download the data.
- Start the Device, and connect it to a legal data acquisition station through the USB cable. For the first-time use, you need to enter the password, and then the data on the Device can be uploaded to data acquisition station. If the device information is not displayed on the interface, unplug USB and plug it again.

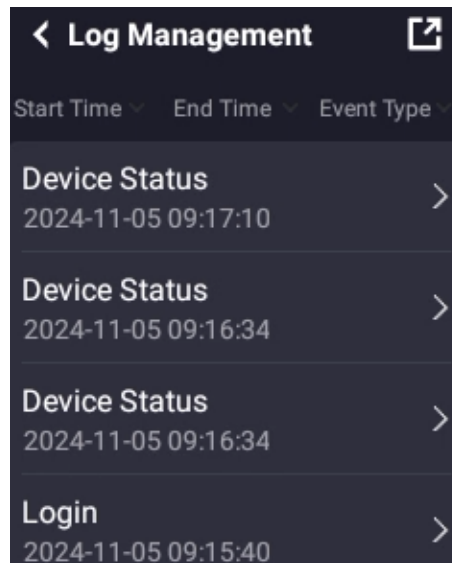
## 3.14 Log

You can view the device log by selecting the start time, end time and event type.

### Procedure

- Step 1 Tap  to enter the log management screen.
- Step 2 Select the start time, end time and event type.

Figure 3-54 Log management



## Results

The logs are displayed in the form of a list.

## Related Operations

Tap  to share logs to other devices. You can select **TF card or root path** or **Bluetooth sharing** as the export mode.

## 3.15 Creating and Joining Tasks

You can create or join tasks in this device and track the tasks to be completed.

### Procedure

Step 1 Tap  to enter the task list screen.

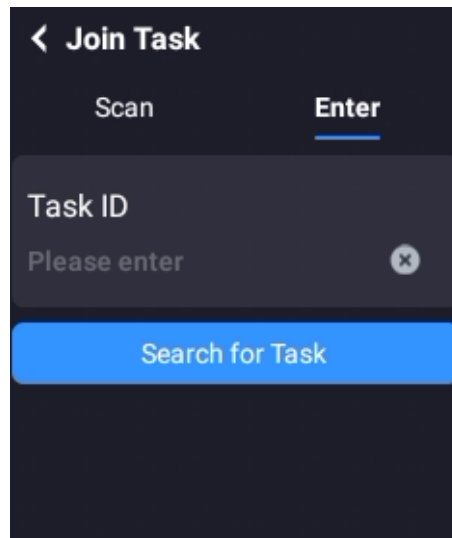
Step 2 Tap **+ Join Task**.

- Join by scanning the QR code: Scan the code generated by the task ID.
- Join by entering the task ID: Enter the task ID to create the new task ID, and then tap **Search for Task**.



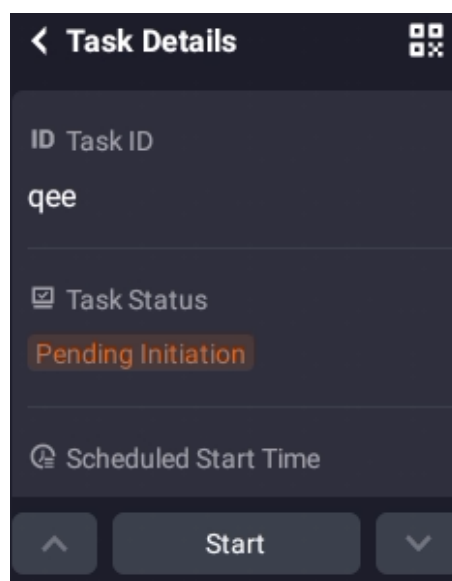
You can also locate the task ID you created through this way.

Figure 3-55 Join by ID



Step 3 Configure the task details as required.

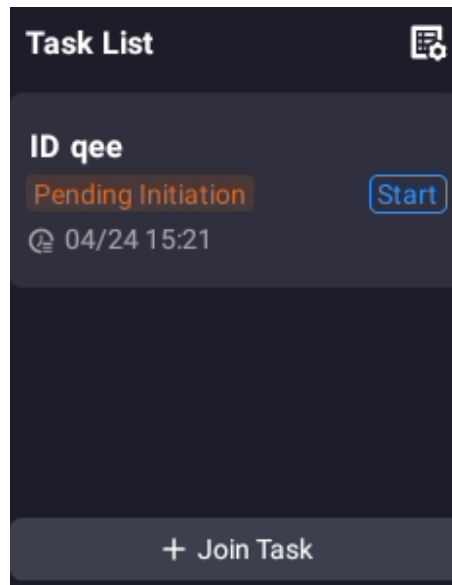
Figure 3-56 Task details



Tap  to view the QR code generated by the task ID.

Step 4 Re-enter the task screen and the tasks are displayed in the list.

Figure 3-57 Task list



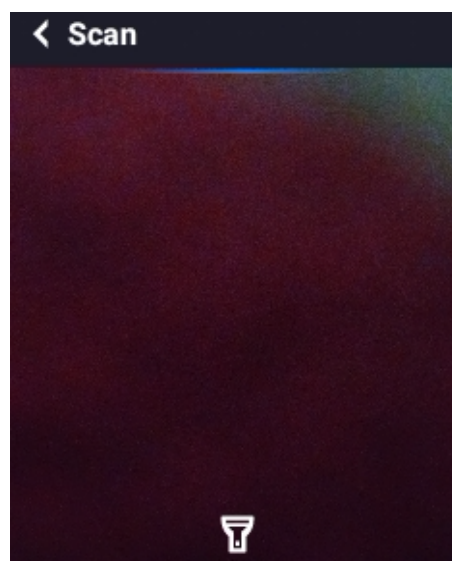
- Tap **Start**, **Continue** and **Done** to configure the status of each task. Even if a task is completed, it can be continued again.
- The details of the generated video, audio, and image files will have task IDs.
- Swipe down on the home screen, and the tasks in progress are displayed.

## 3.16 Scanning the QR Code



Tap  to enter the scanning screen. You can scan the QR code to copy it, and if you have any platform software installed, you can paste it and send it.

Figure 3-58 Scan the QR code



Tap  to enable the white light for supplementing light.

## 4 System Update

You can update the system on MPT Manager or on the local device.

### 4.1 Updating on MPT Manager

#### Procedure

**Step 1** Install MPT Manager.

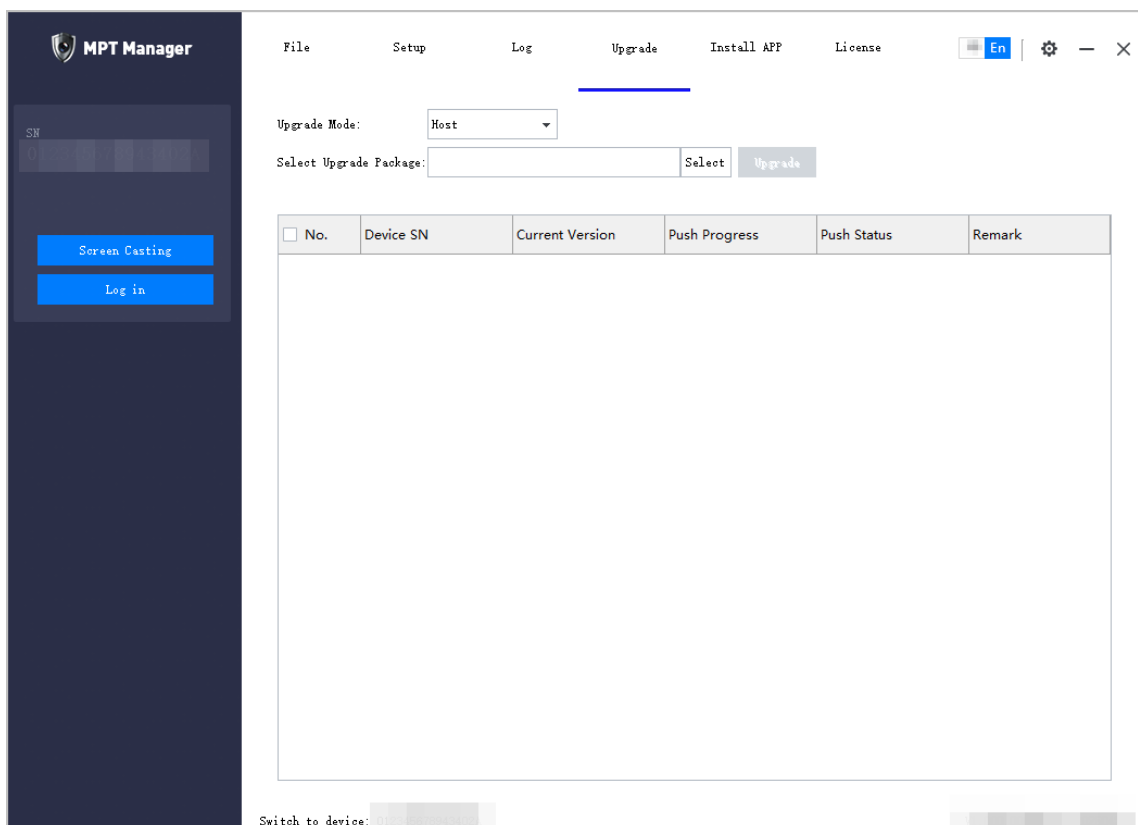
Follow the system prompts and click **Next** until the installation is complete. After that, a shortcut icon for MPT Manager will be displayed on your computer desktop.

**Step 2** Start the Device, and then connect it to your computer through USB cable.

**Step 3** Double-click  on the desktop, click **Log in** to enter device password, and then click **OK**.

**Step 4** Click **Upgrade** to enter the upgrade page and select the update mode from the drop-down list.

Figure 4-1 Upgrade



**Step 5** Click **Select** to select the upgrade package and click **Upgrade**.



The MPT Manager page might be updated; refer to the actual page.

**Step 6** Select the device and click **Upgrade**.

The push progress becomes 100% when the update package is successfully pushed to the Device.

## 4.2 Updating on Local Device

You can update the system in the local device in the following ways.

- Online Update: For details, see "3.6.1 Online Update".
- Local System Upgrade: For details, see "3.6.3 Local System Upgrade".
- Scan to Update: For details, see "3.6.4 Scan to Update".

## 5 Platform Operations

After connecting the Device to the platform, users with corresponding permissions can access and manage the Device on the platform.

### 5.1 Adding the Device to the Platform

Add the Device to the platform for remote management. For details on platform operations, see the corresponding user manual of the platform.

#### Prerequisites

- The Device and the platform are on the same network segment.
- If you want to add the device to the platform through registration, make sure to configure the registration settings on the Device. For details on registration settings, see "3.5.1.1.1 Auto Registration".

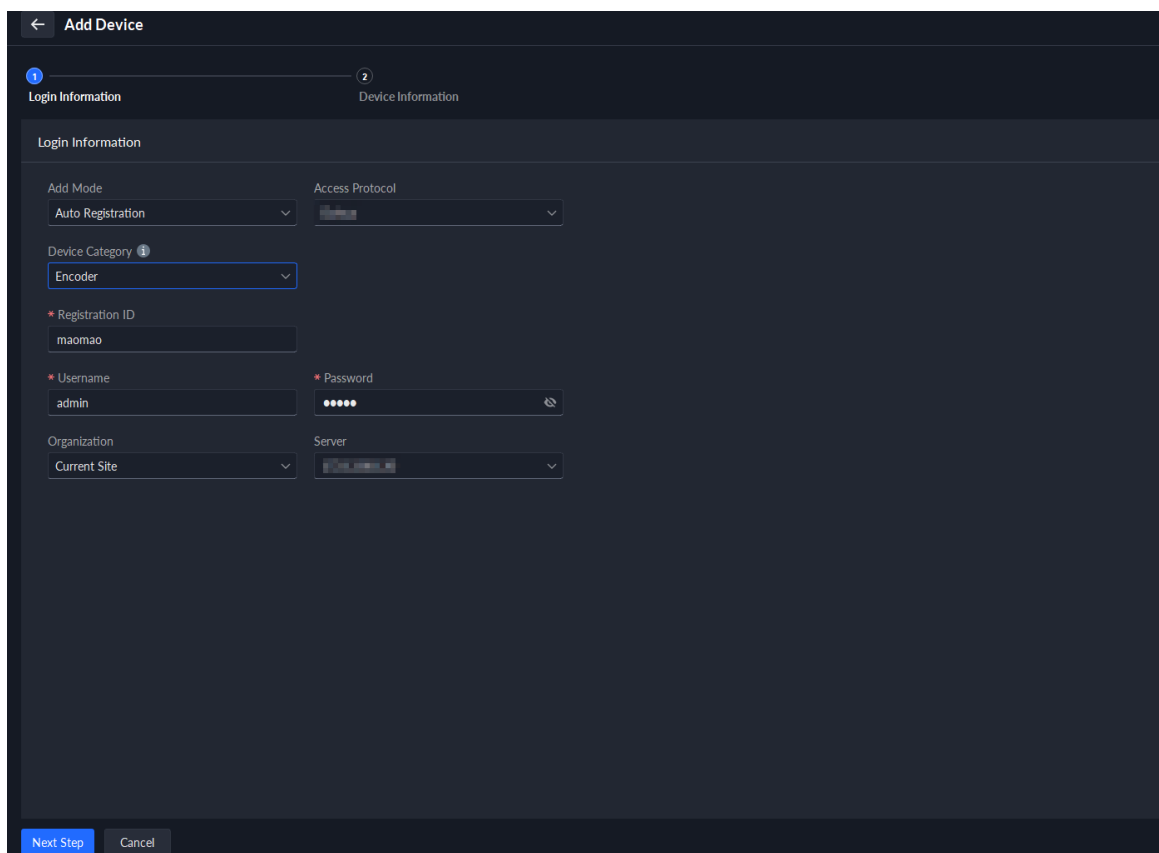
#### Procedure

**Step 1** Log in to the DSS Client.

**Step 2** On the home page, click , and then select **Basic Config** > **Device**.

**Step 3** On the **Device** page, click **Add**.

Figure 5-1 Add MPT (1)



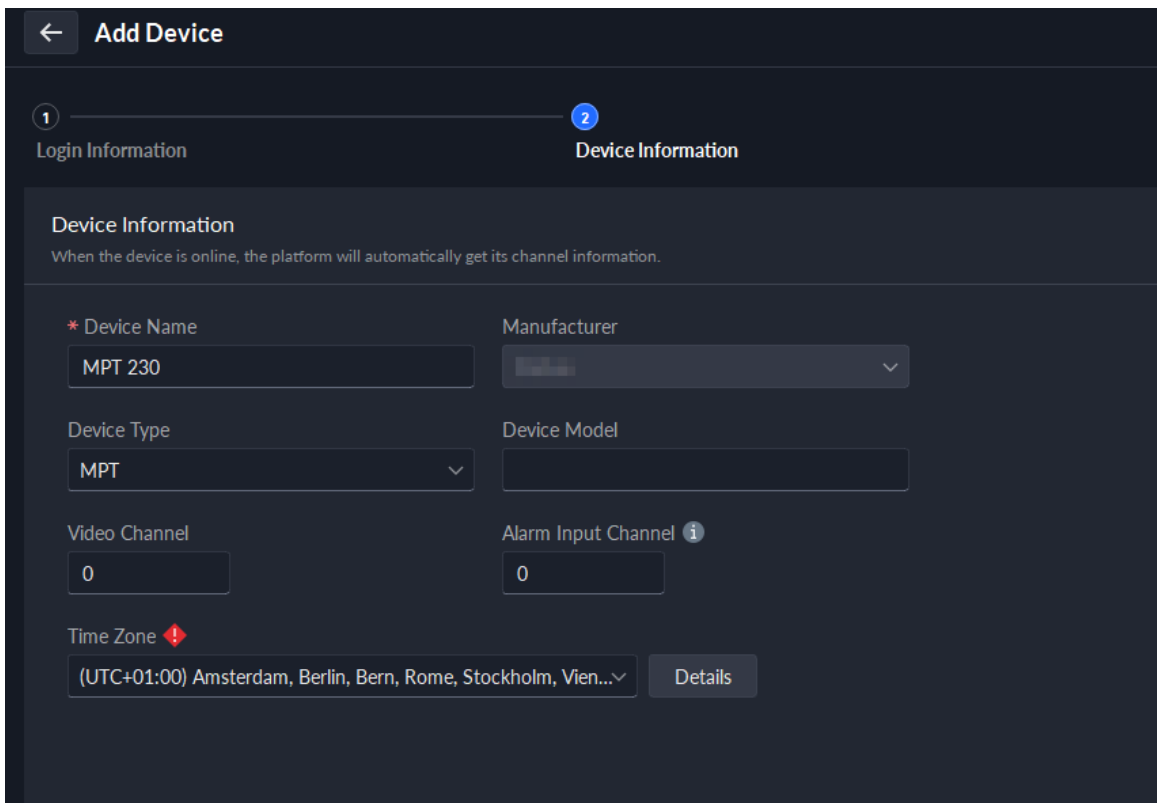
**Step 4** Configure the parameters.

Table 5-1 Parameters of adding the device

| Parameter       | Description                                                                                                                                                                                                                                                                                                       |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Add Mode        | <ul style="list-style-type: none"> <li>● <b>Auto Register</b> : Register the Device using the registration ID. It is the most common method.</li> <li>● <b>IP Address</b> : Register the Device using its IP address.</li> </ul>                                                                                  |
| Device Category | Select <b>Encoder</b> .                                                                                                                                                                                                                                                                                           |
| Registration ID | <p>If you select <b>Auto Register</b> from <b>Add Type</b>, enter the registration ID of the Device.</p> <p></p> <p>The registration ID must be the same as the one entered on the MPT device when registering the platform.</p> |
| IP Address      | If you select <b>IP Address</b> from <b>Add Type</b> , enter the IP address and port number of the Device. The port is 37777 by default.                                                                                                                                                                          |
| Device Port     |                                                                                                                                                                                                                                                                                                                   |
| User            | Enter the username and password of the Device.                                                                                                                                                                                                                                                                    |
| Password        |                                                                                                                                                                                                                                                                                                                   |
| Organization    | Select the organization that the Device belongs to. The default organization code is <b>Current Site</b> .                                                                                                                                                                                                        |

**Step 5** Click **Next Step**.

Figure 5-2 Add MPT (2)



**Add Device**

1 Login Information      2 Device Information

**Device Information**

When the device is online, the platform will automatically get its channel information.

\* Device Name: MPT 230

Manufacturer: [dropdown]

Device Type: MPT [dropdown]

Device Model: [text]

Video Channel: 0

Alarm Input Channel: 0

Time Zone: (UTC+01:00) Amsterdam, Berlin, Bern, Rome, Stockholm, Vien... [dropdown]

Details

**Step 6** Configure the device information.

Table 5-2 Parameters of device information

| Parameter           | Description                                                                                                                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Device Name         | Customize the device name.                                                                                                                                                                                               |
| Type                | Select <b>MPT</b> .                                                                                                                                                                                                      |
| Video Channel       | <p>The default value is 0.</p>  <p>When the device channels cannot be displayed on certain platforms, it is recommended to enter 2.</p> |
| Alarm Input Channel | The default value is 0.                                                                                                                                                                                                  |
| Time Zone           | Select the time zone.                                                                                                                                                                                                    |

Step 7 Click **OK**.

Step 8 Click  of the added device, select **Basic Info**, and then get device SN information. Otherwise, you might fail to add the device.

## 5.2 Connecting to the Platform

Register the Device to the platform. For details, see "3.5.1.1.1 Auto Registration".

## 6 Battery Maintenance

- The device supports 5 VDC/2 A power supply. Charge the device promptly when the battery level is low.
- When the main battery is installed, the interface will show the remaining charge percentage of the main battery.
- If the main battery is removed while the backup battery has charge, the device will switch to backup battery power. When the backup battery is depleted, the device will automatically shut down.
- In the default configuration (with battery removal alarm enabled), removing the main battery will trigger a battery disconnection alarm.



To ensure battery safety and service life, the device incorporates an intelligent battery protection management system that continuously monitors battery temperature and status. When excessive battery temperature is detected, protective measures will be automatically triggered. The system will:

1. Suspend the charging process and might temporarily disable high-power functions such as lighting and network connectivity to reduce load and heat generation.
2. All functions will automatically resume normal operation once the battery temperature and status return to safe levels.



- Fully charge the device before first use after prolonged storage.
- A low battery alarm will activate when battery level drops to  $\leq 5\%$ .
- The device will automatically power off when battery is depleted.
- If the device will remain unused for an extended period (one week or more), charge the battery to 60%, remove it from the device, and store it in a clean, dry, well-ventilated area at an ambient temperature of  $20\pm 5\text{ }^{\circ}\text{C}$  ( $68\pm 9\text{ }^{\circ}\text{F}$ ).
- We recommend you charge the battery at least every three months during storage.
- The battery is a consumable component and should be replaced after one year of use.
- Do not plug or unplug the battery while charging.

Plug or unplug the battery while charging might cause the battery level to stop updating. If the issue occurs, follow the steps below to restore normal operation:

1. Power off the device.
2. Disconnect the power supply and let the device stand for at least 30 seconds.
3. Remove the battery, and then reinstall it.
4. Power on the device.

## 7 SIM Card and Battery Installation

The product supports 5 VDC/2 A power recharge. When the battery power is low, recharge it in time.

- When the Device has the main battery, the interface displays main battery percentage.
- If you remove the main battery and the small battery has power, it will supply energy; if the small battery is also depleted, the device will shut down.
- After installing the main battery, start the Device manually.
- In the default configuration (with battery removal alert enabled), removing the main battery will trigger the battery removal alert.



- Recharge the battery if the Device is not in use for a long time.
- The system triggers low battery alarm when the battery level is lower than 5%.
- The Device automatically shuts down when the power runs out.
- If the Device will not be used for a week or more, charge it to 60%, take the battery out of the Device, and store it in a clean, dry and ventilated room with ambient temperature of  $20 \pm 5$  °C.
- Charge the battery at least once every three months during storage.
- The battery is a consumable accessory. You are recommended to replace it after one year of use.

### 7.1 Installing the SIM Card

#### Background Information

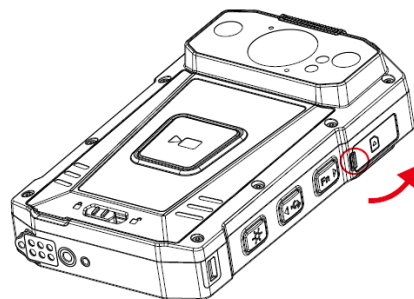


- SIM card and the peripheral accessories do not support hot swapping. The card becomes activated after the Device restarts.
- Shut down the Device before installing the SIM card; otherwise the Device might be damaged.

#### Procedure

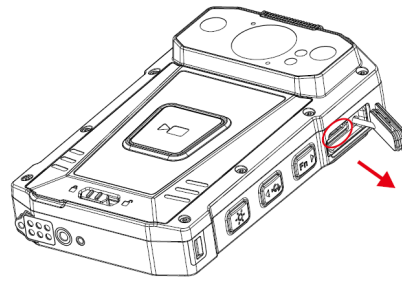
Step 1 Pull out the SIM card tray.

Figure 7-1 Pull out the SIM card tray



Step 2 Use tweezers or your fingernail to take out the SIM card slot.

Figure 7-2 Take out the SIM card slot

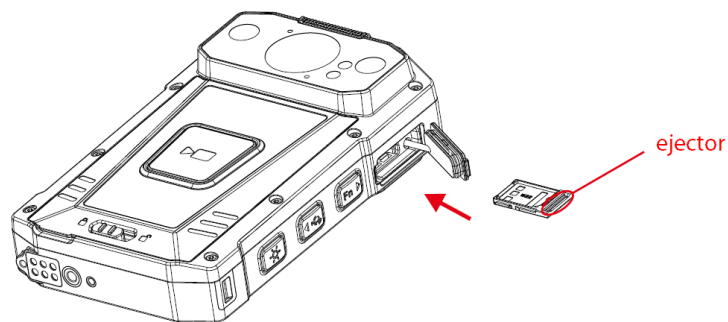


- Step 3** Place the SIM card onto the slot (it can be positioned on either side), ensuring the ejector is facing up, and then insert the tray back into the device.



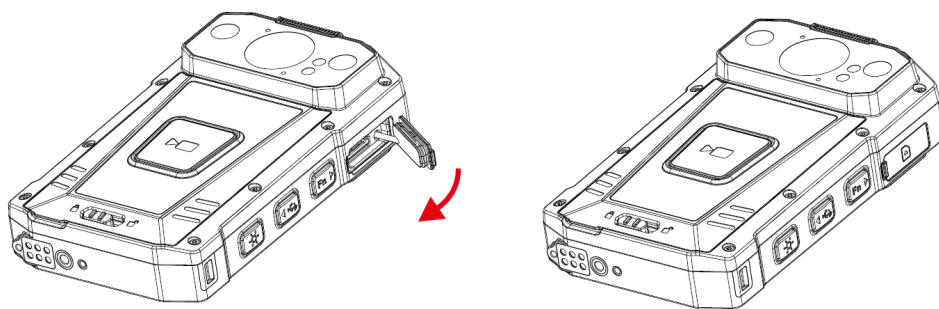
The SIM card tray supports inserting dual cards.

Figure 7-3 Install SIM card



- Step 4** Rotate the SIM card tray to close it.

Figure 7-4 Close the SIM card tray

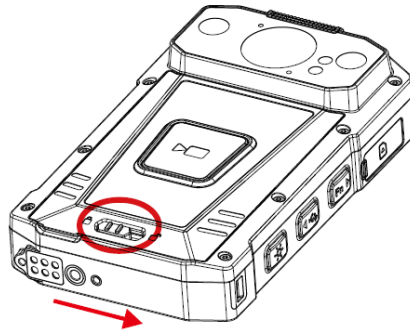


## 7.2 Installing the Battery

### Procedure

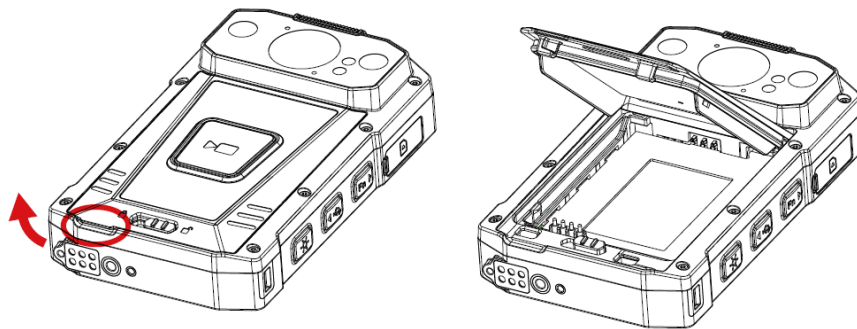
- Step 1** Toggle the slider to the right.

Figure 7-5 Toggle the slider



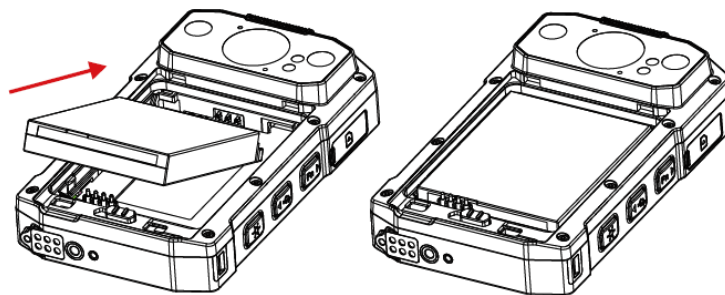
Step 2 Use your thumb to remove the battery cover.

Figure 7-6 Remove the battery cover



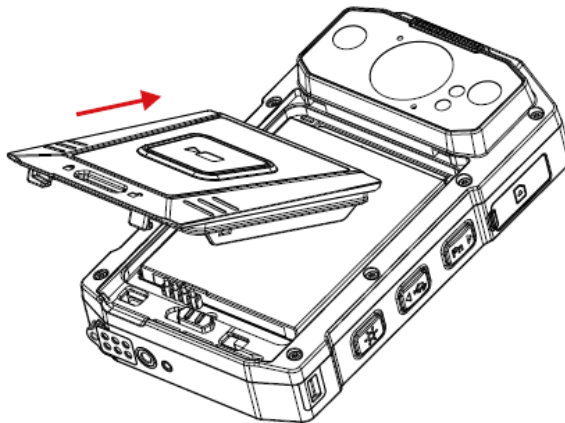
Step 3 Insert the battery at an angle into the battery compartment.

Figure 7-7 Install the battery



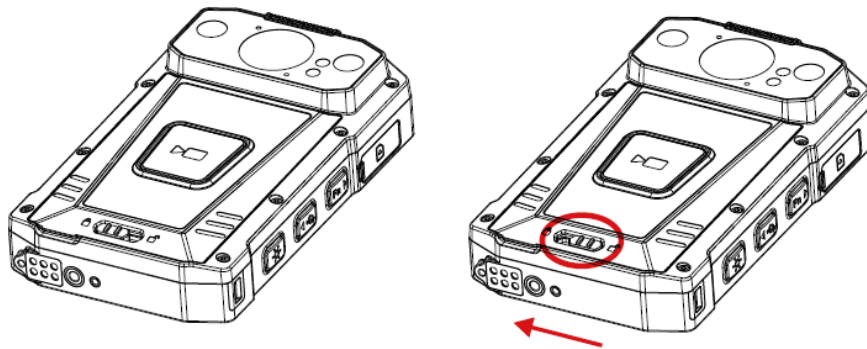
Step 4 Insert the battery cover at an angle into the device.

Figure 7-8 Install the battery cover



Step 5 Toggle the slider to the locked position.

Figure 7-9 Toggle the slider



## 8 FAQ

### 1. How can I add, delete user or change password?

- The operations might vary with the version and model. For details, see the corresponding user manual.
- Only the admin account has the permission to add user.
- To change the password, go to  > **admin** > **Change password**.
- Only the admin account has the permission to view and change the information of other users. Other users can only view the information and change the password of their own account.

### 2. How can I restore the Device to factory settings or clear the password?

Restoring default settings will clear all data stored on your device, including system, app data and settings and face and ANPR files. The Device still retains the serial number. You can select whether to clear video, audio and image data in the internal storage and micro SD card. Proceed with caution. Only the admin account can reset the Device.

### 3. Where can I configure VPN?

Go to  > **Network** > **Mobile Data** > **VPN**.

### 4. Where can I configure APN?

Select  > **Network** > **Mobile Data** > **Mobile Network** > **Advanced**, and then tap **Access Point Names**.

## Appendix 1 Security Commitment and Recommendation

Zhejiang Dahua Vision Technology Co., Ltd. (hereinafter referred to as "Dahua") attaches great importance to cybersecurity and privacy protection, and continues to invest special funds to comprehensively improve the security awareness and capabilities of Dahua employees and provide adequate security for products. Dahua has established a professional security team to provide full life cycle security empowerment and control for product design, development, testing, production, delivery and maintenance. While adhering to the principle of minimizing data collection, minimizing services, prohibiting backdoor implantation, and removing unnecessary and insecure services (such as Telnet), Dahua products continue to introduce innovative security technologies, and strive to improve the product security assurance capabilities, providing global users with security alarm and 24/7 security incident response services to better protect users' security rights and interests. At the same time, Dahua encourages users, partners, suppliers, government agencies, industry organizations and independent researchers to report any potential risks or vulnerabilities discovered on Dahua devices to Dahua PSIRT, for specific reporting methods, please refer to the cyber security section of Dahua official website.

Product security requires not only the continuous attention and efforts of manufacturers in R&D, production, and delivery, but also the active participation of users that can help improve the environment and methods of product usage, so as to better ensure the security of products after they are put into use. For this reason, we recommend that users safely use the device, including but not limited to:

### Account Management

#### 1. Use complex passwords

Please refer to the following suggestions to set passwords:

- The length should not be less than 8 characters;
- Include at least two types of characters: upper and lower case letters, numbers and symbols;
- Do not contain the account name or the account name in reverse order;
- Do not use continuous characters, such as 123, abc, etc.;
- Do not use repeating characters, such as 111, aaa, etc.

#### 2. Change passwords periodically

It is recommended to periodically change the device password to reduce the risk of being guessed or cracked.

#### 3. Allocate accounts and permissions appropriately

Appropriately add users based on service and management requirements and assign minimum permission sets to users.

#### 4. Enable account lockout function

The account lockout function is enabled by default. You are advised to keep it enabled to protect account security. After multiple failed password attempts, the corresponding account and source IP address will be locked.

#### 5. Set and update password reset information in a timely manner

Dahua device supports password reset function. To reduce the risk of this function being used by threat actors, if there is any change in the information, please modify it in time. When setting security questions, it is recommended not to use easily guessed answers.

## Service Configuration

### 1. Enable HTTPS

It is recommended that you enable HTTPS to access Web services through secure channels.

### 2. Encrypted transmission of audio and video

If your audio and video data contents are very important or sensitive, we recommend you to use encrypted transmission function in order to reduce the risk of your audio and video data being eavesdropped during transmission.

### 3. Turn off non-essential services and use safe mode

If not needed, it is recommended to turn off some services such as SSH, SNMP, SMTP, UPnP, AP hotspot etc., to reduce the attack surfaces.

If necessary, it is highly recommended to choose safe modes, including but not limited to the following services:

- SNMP: Choose SNMP v3, and set up strong encryption and authentication passwords.
- SMTP: Choose TLS to access mailbox server.
- FTP: Choose SFTP, and set up complex passwords.
- AP hotspot: Choose WPA2-PSK encryption mode, and set up complex passwords.

### 4. Change HTTP and other default service ports

It is recommended that you change the default port of HTTP and other services to any port between 1024 and 65535 to reduce the risk of being guessed by threat actors.

## Network Configuration

### 1. Enable Allowlist

It is recommended that you turn on the allowlist function, and only allow IP in the allowlist to access the device. Therefore, please be sure to add your computer IP address and supporting device IP address to the allowlist.

### 2. MAC address binding

It is recommended that you bind the IP address of the gateway to the MAC address on the device to reduce the risk of ARP spoofing.

### 3. Build a secure network environment

In order to better ensure the security of devices and reduce potential cyber risks, the following are recommended:

- Disable the port mapping function of the router to avoid direct access to the intranet devices from external network;
- According to the actual network needs, partition the network: if there is no communication demand between the two subnets, it is recommended to use VLAN, gateway and other methods to partition the network to achieve network isolation;
- Establish 802.1x access authentication system to reduce the risk of illegal terminal access to the private network.

## Security Auditing

### 1. Check online users

It is recommended to check online users regularly to identify illegal users.

### 2. Check device log

By viewing logs, you can learn about the IP addresses that attempt to log in to the device and key operations of the logged users.

### 3. **Configure network log**

Due to the limited storage capacity of devices, the stored log is limited. If you need to save the log for a long time, it is recommended to enable the network log function to ensure that the critical logs are synchronized to the network log server for tracing.

## Software Security

### 1. **Update firmware in time**

According to the industry standard operating specifications, the firmware of devices needs to be updated to the latest version in time in order to ensure that the device has the latest functions and security. If the device is connected to the public network, it is recommended to enable the online upgrade automatic detection function, so as to obtain the firmware update information released by the manufacturer in a timely manner.

### 2. **Update client software in time**

We recommend you to download and use the latest client software.

## Physical Protection

It is recommended that you carry out physical protection for devices (especially storage devices), such as placing the device in a dedicated machine room and cabinet, and having access control and key management in place to prevent unauthorized personnel from damaging hardware and other peripheral equipment (e.g. USB flash disk, serial port).

ENABLING A SMARTER SOCIETY AND BETTER LIVING

ZHEJIANG DAHUA VISION TECHNOLOGY CO., LTD.

Address: No. 1399, Binxing Road, Binjiang District, Hangzhou, P. R. China | Website: [www.dahuasecurity.com](http://www.dahuasecurity.com) | Postcode: 310053

Email: [dhoverseas@dhvisiontech.com](mailto:dhoverseas@dhvisiontech.com) | Tel: +86-571-87688888 28933188