



Body Camera

User Manual

User Manual

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This Manual is applicable to DS-MH2311 Series Body Camera.

The Manual includes instructions for using and managing the product. Pictures, charts, images and all other information hereinafter are for description and explanation only. The information contained in the Manual is subject to change, without notice, due to firmware updates or other reasons. Please find the latest version in the company website (<http://overseas.hikvision.com/en/>).

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FCC Information

FCC compliance: Please take attention that changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment complies with FCC/IC RSS-102 radiation exposure limits set forth for an uncontrolled environment.

Note: This product has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This product generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this product does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:


- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.


FCC Conditions


This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

EU Conformity Statement

 This product and - if applicable - the supplied accessories too are marked with "CE" and comply therefore with the applicable harmonized European standards listed under the Radio Equipment Directive 2014/53/EU, the EMC Directive 2014/30/EU, the LVD Directive 2014/35/EU, the RoHS Directive 2011/65/EU.

 2012/19/EU (WEEE directive): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see: www.recyclethis.info

 2006/66/EC (battery directive): This product contains a battery that cannot be disposed of as unsorted municipal waste in the European Union. See the product documentation for specific battery information. The battery is marked with this symbol, which may

include lettering to indicate cadmium (Cd), lead (Pb), or mercury (Hg). For proper recycling, return the battery to your supplier or to a designated collection point. For more information see: www.recyclethis.info

Industry Canada ICES-003 Compliance

This device meets the CAN ICES-3 (B)/NMB-3(B) standards requirements.

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

- (1) this device may not cause interference, and
- (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radioexempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.

After the laboratory measurement, the SAR value is 0.3W/Kg for 2.4G Band which satisfies the RF exposure requirement.

Applicable Models

This manual is applicable to the models listed in the following table.

Series	Model
DS-MH2311	DS-MH2311/32G
	DS-MH2311/32G/GLE

Symbol Conventions

The symbols that may be found in this document are defined as follows.




Symbol	Description
 NOTE	Provides additional information to emphasize or supplement important points of the main text.
 WARNING	Indicates a potentially hazardous situation, which if not avoided, could result in equipment damage, data loss, performance degradation, or unexpected results.
 DANGER	Indicates a hazard with a high level of risk, which if not avoided, will result in death or serious injury.

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Chapter1 Introduction

Body camera, a video recording system, is typically used by law enforcement officers to record their interactions with the public and gather video evidences at crime scenes.

1.1 Main Features

- H.264 and H.265 encoding technology.
- Up to 1080p/30 fps recording resolution.
- Wide-range lens with 129° horizontal FOV.
- Dismountable battery design.
- Built-in GPS module.
- 3G/4G network transmission.
- 2.4 inch TFT LCD.
- Light weight (190 g without should clip).
- Small size (95 × 60 × 29 mm)
- IP67.

1.2 Package List

Following objects are included in package. If something loses, contact us or our supplier for it.

- 1 * Body camera.
- 1 * USB data cable.
- 1 * Charger.
- 1 * Demountable and angle adjustable clip
- 1 * CD which contains user manual and Body Camera Assistant.
- 1 * Printed quick start guide.

1.3 Buttons and Interfaces

Refer to Figure 1-1 for the overall view of the body camera.

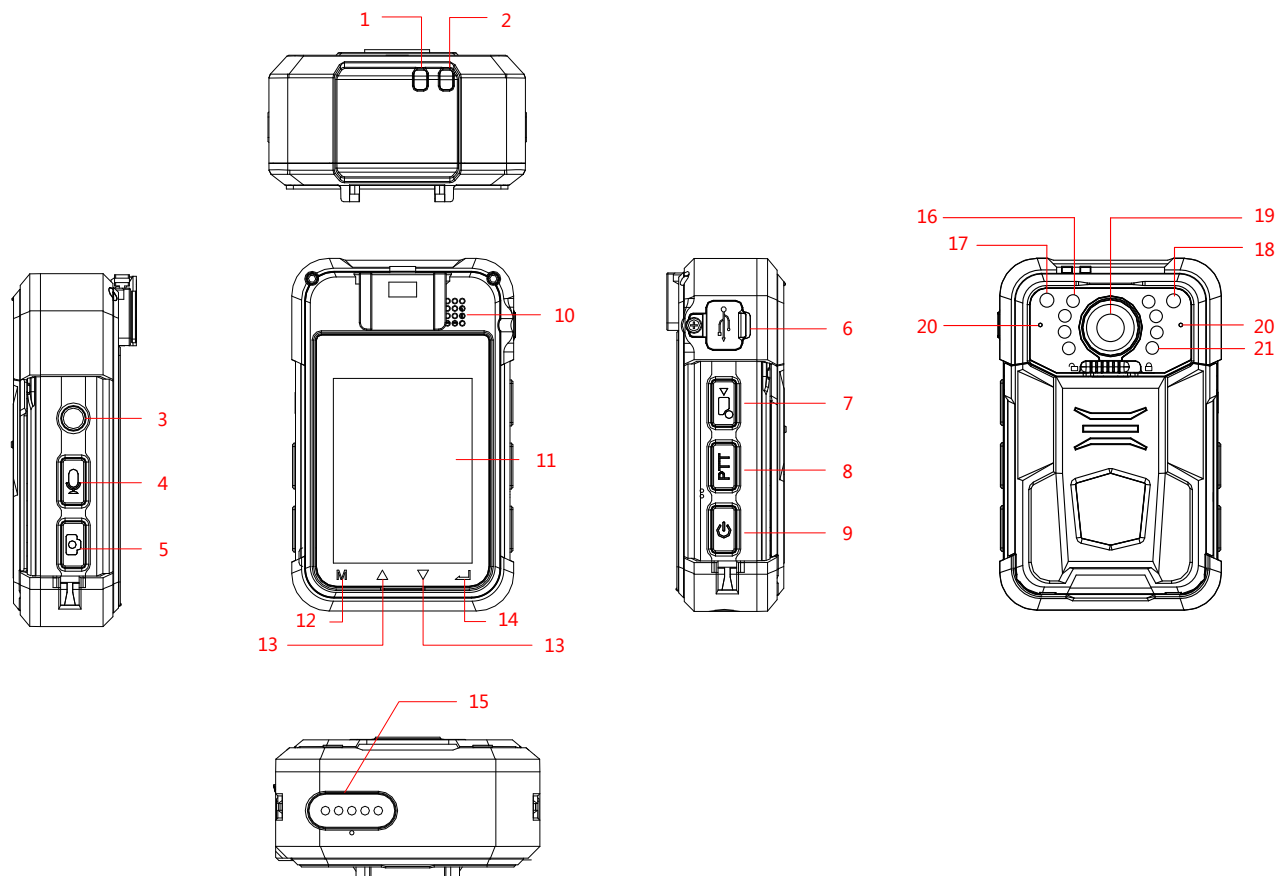



Figure 1-1 Overall View

Table 1-1 Description of Overall View

No.	Button	Description
1	LED 1	<ul style="list-style-type: none"> ● When body camera is being charged, it is solid red. ● When body camera is fully charged, it is solid green. ● When body camera is in low battery, it flashes in red with high frequency. ● When body camera is recording, it flashes in red with low frequency.
2	LED 2	<ul style="list-style-type: none"> ● When body camera is working, it is solid green. ● When body camera is taping audio, it flashes in yellow.
3	SOS	In emergency, hold it for more than 1 second to alarm manually and send the alarm to the platform.

No.	Button	Description
4	Taping	<ul style="list-style-type: none"> ● Press it to start/stop taping. ● Hold it for 3 seconds to turn on/off white light.
5	Capture	Press it to capture current live view image.
6	USB interface	Connect USB cable or charger to it.
7	Recording	<ul style="list-style-type: none"> ● Press it to start/stop recording. ● Hold it for 3 seconds to turn on laser positioning light. ● When body camera is shut down, hold it for 3 seconds to start up it and start recording.
8	PTT	Reserved button.
9	On/Off	<ul style="list-style-type: none"> ● When body camera is off, hold it for 3 seconds to start it up. ● When body camera is on, hold it for 3 seconds to shut it down. ● After body camera is started up, press it to inactivate/activate LCD.
10	Loudspeaker	Loudspeaker.
11	LCD	It displays local menu and live view image.
12	M	<ul style="list-style-type: none"> ● In LCD live view mode, tap it to enter main menu. ● In LCD menu, tap it to exit.
13	△/▽	<ul style="list-style-type: none"> ● In LCD menu, tap it to navigate between fields and items in menus. ● In LCD playback mode, tap △/▽ to speed up/slow down playback speed. ● In LCD live view mode, tap △/▽ to zoom in/out.
14	└┘	<ul style="list-style-type: none"> ● In LCD menu, tap it to enter a sub-menu or confirm a selection. ● When body camera is recording, hold it for 3 seconds to set a video tag.
15	Expansion interface	<p>Connect it to the cradle for charging or data transmission.</p> <p> NOTE</p> <p>The cradle is optional.</p>
16	White light	It supplies light at dark environment.
17	Photosensitive sensor	It can detect the surrounding light and adjust the LCD brightness to save power and make your eyes comfortable.

No.	Button	Description
18	Laser positioning light	You can turn on the laser positioning light to judge the position when recording or capturing.
19	Lens	Lens.
20	MIC	MIC.
21	IR Light	You can turn on the IR light to supply body camera sufficient light to get a visible image.

1.4 Charge Body Camera

1.4.1 Charger Specifications

- Input: 200 to 240 V AC, 50/60 Hz, 0.2 A.
- Output: 5 V/2.0 A

1.4.2 Charge

Purpose

Follow the steps below to charge the body camera.

Step 1 Open the cover of USB interface on one side of the body camera.

Step 2 Connect the body camera to the charger with the USB data cable. The LCD will show the charging status.

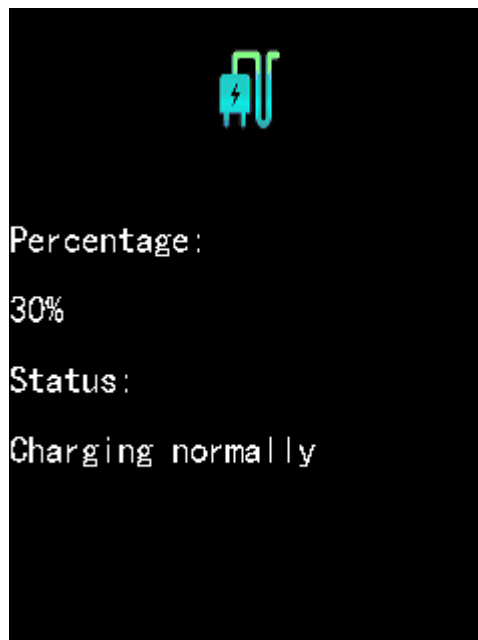


Figure 1-2 Charging Status



NOTE

- When the body camera is being charged, LED 1 is solid red. When it is fully charged, LED 1 is solid green.
- You can enable quick charging mode in system settings. In quick charging mode, the body camera cannot be operated. If quick charging mode is disabled, you can operate the body camera normally when the body camera is being charged. Refer to *Chapter 6.9 Set Quick Charging Mode* for details.

1.4.3 How to Protect Charger

- Once charging completed, disconnect the connection between charger and body camera, and the connection between charger and power supply.
- Handle with care. In case the charger or USB data cable is physically damaged or is affected with damp, do not keep using it. You can contact us to change charger.
- To protect device and your security, do not touch the body camera, charger, and USB cable with wet hand.
- Do not pull out charger from power supply by pulling the USB data cable.

Chapter 2 Startup and Shutdown

2.1 Start up

Before you start

Ensure the power is sufficient. If not, charge the body camera. Refer to *Chapter 1.3 Charge Body Camera* for details.

Step

Hold the **On/Off** button for 3 seconds. Then LED 2 turns green, and after 10 seconds, the **HIKVISION** logo pops up. You will hear an audible notification. All of these indicate the body camera starts successfully. Then it automatically enters the live view interface.



You can also hold the **Recording** button for 3 seconds to start up the body camera and start recording at the same time.

2.2 Turn on/off LCD

The LCD goes to sleep automatically when there is no operation in the predefined auto-lock time. Press any button, except PTT, to manually activate LCD. Press the **On/Off** button again to inactivate LCD.

2.3 Shut down

Hold the **On/Off** button for 3 seconds. When you hear an audible notification, and the **HIKVISION** logo pops up on the LCD, the body camera is shut down successfully.

Chapter 3 Basic Functions













3.1 Live View Interface Introduction

Once the body camera starts up completely, it automatically enters the live view interface.



Figure 3-1 Live View Interface

Table 3-1 Live View Icons Description

No.	Name	Description
A	Recording status	Shows the recording status. Not recording:  Recording: 
B	Remaining recording time	The time is variable and is decided by video resolution, frame rate, and bitrate.
C	OSD (On Screen Display) menu	Shows the device date and time.
D	Platform status	Shows whether device is connected with platform. Disconnected:  Connected: 
E	Wi-Fi status	Shows whether Wi-Fi is connected. Disconnected:  Connected: 
F	3G/4G status	Shows whether 3G/4G is connected. Disconnected:  Connected:   NOTE 3G/4G function is only applicable to DS-MH2311/32G/GLE.
G	Positioning status	Shows whether positioning is succeeded. Unsuccessful:  Succeeded:  GPS module failed: 
H	Battery information	Shows the remaining battery and charging status.
I	Zoom status	Shows the zoom status.
J	ID information	Shows the device ID and police ID.
K	Remaining memory capacity	Shows the remaining memory capacity.
N	Memory card status	Shows whether memory is recognized.

3.2 Menu Introduction

Wake up LCD. Tap  to enter the main menu, and tap  to enter the sub-menu.

Table 3-2 Sub-Menu Description


Menu	Description
Playback	You can play back recorded videos, pictures, and audios.
Camera	You can set camera parameters including video resolution, bitrate, frame rate, pre-record time, post-record time, video clip time, picture quality, and video format.
Network	You can turn on/off Wi-Fi and 3G/4G dialing, and set network transmission resolution, bitrate, frame rate, platform connection, and network type.
System	You can set positioning parameters, time synchronization, system volume, language, and so on.

3.3 Take Pictures

Purpose

You can take pictures of the crime scenes or other situations.

Step

Press  to take a picture for current live view image.





NOTE


- The operation is invalid in playback, quick charging, and USB communication interface. Exit the interfaces before operation.
- The picture is saved in memory in *.jpg* format and named by taking picture date and time.




3.4 Record and Capture

Purpose

You can record the videos in crime scenes or other situations. And during the recording, you can capture images.

Step 1 In live view, press  to start recording. Or in power-off mode, hold  for 3 seconds to start up the body camera and start recording. Then  in live view turns to  and the LED 1 starts flashing in red.

Step 2 (Optional) During the recording process, press  to capture the current live view image.

Step 3 Press  again to stop recording. Then  turns to .

 **NOTE**



- The operation is invalid in playback, quick charging, and USB communication interface. Exit the interfaces before operation.
- The video is saved in memory in *.mp4* format and named by the start time of recording.
- The captured image is saved in memory in *.jpg* format and is named by capturing date and time.
- The resolution of the captured image is the same as the video resolution.



3.5 Tape Audio

Purpose

You can tape audios in crime scenes or other situations.

Step 1 Enter live view mode.

Step 2 Press  to start taping. Then  pops up in live view interface.

Step 3 Press  again to stop taping. Then  disappears.

 **NOTE**

- The operation is invalid in playback, quick charging, and USB communication interface. Exit the interfaces before operation.
- The audio file is saved in memory in *.WAV* format and is named by the start time of taping.

3.6 Playback

Purpose

You can play back the recorded videos, pictures, and audios.

Step 1 Go to **Main Menu > Playback**.



Step 2 If Verify function is on, you need to input password to get permission.



Figure 3-2 Input Password

 NOTE

- The default password is 123456.
- You can go to **Main Menu > System > Verify** to disable password verification.

Step 3 Tap  to select the playback file type as **Video**, **Picture**, or **Audio**. And tap  to enter the corresponding menu.

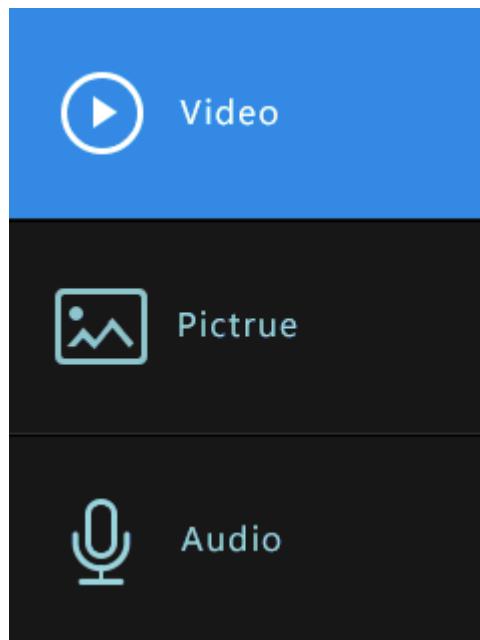



Figure 3-3 File Type

Step 4 Tap  to select the date.

Step 5 In file list, tap Δ/∇ to select the file to play back.

Step 6 Tap \llcorner to start playback.



In video playback, you can tap \llcorner again to stop playback, and tap Δ/∇ to speed up/slow down playback speed.

Step 7 Tap **M** to exit playback.

3.7 Set Tag



Purpose

You can set tags for the important data of videos, audios, and pictures to search them conveniently.



You can set video tags during recording or after the recording is finished. For audio and picture tags, you can only set them after audio is taped or picture is taken.

3.7.1 Set Video Tag During Recording

Step 1 During recording, hold \llcorner for 3 seconds to set a tag for the video. when  on LCD turns to , it means the tag is set successfully.

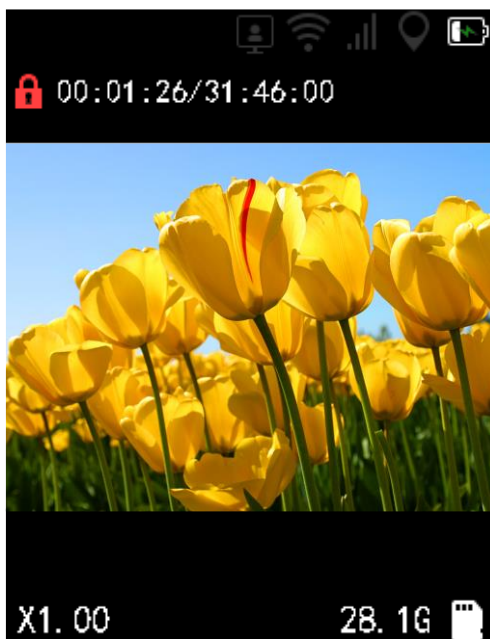



Figure 3-4 Set Tag During Recording

Step 2 (Optional) Hold \llcorner for 3 seconds again to cancel the tag.

3.7.2 Set Video Tag After Recording

Step 1 Go to **Main Menu > Playback > Video**.

Step 2 Enter the file list.

Step 3 Select the file and hold  for 3 seconds to set tag for it. The file with tag is named in red.

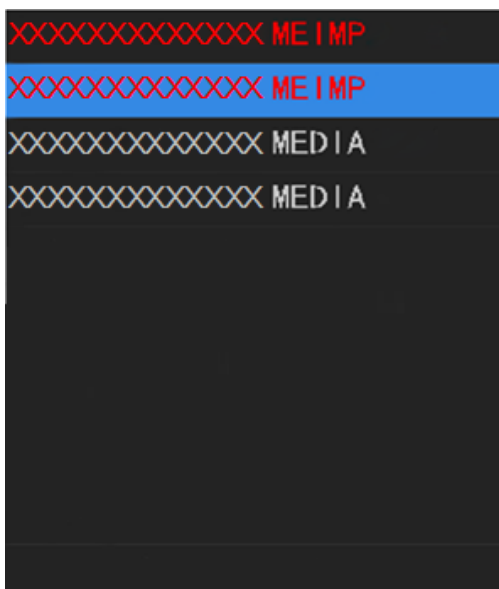



Figure 3-5 Set Tag After Recording

Step 4 (Optional) Hold  for 3 seconds again to cancel the tag.



Setting tags for audios and pictures are similar with that of settings video tags after recording. You can refer to the steps above.

3.8 Alarm

3.8.1 Auto Alarm

- If memory is full, when you start recording, taping, capturing, or other functions consuming storage, the message “Memory is full.” pops up on LCD, and the body camera sends out an alarm audio. To save new files, you need to backup device first and clear memory.
- If the body camera is in low power, the message “Low power.” pops up on LCD, the body camera sends out an alarm audio, and LED 1 starts flashing.

3.8.2 Manual Alarm

Before you start

Connect the body camera to the platform.

Step

In emergency, hold **SOS** button for more than 1 second to alarm manually and send the alarm to the platform.

Chapter 4 Network Configuration

4.1 Connect to Wi-Fi

Purpose

You can access Internet by connecting to a Wi-Fi.

Before you start

Configure Wi-Fi parameters, including SSID and key, in Body Camera Assistant. Refer to *Chapter 7.6.1 Connect to Dynamic Wi-Fi* for details.

Step 1 Go to **Main Menu > Network**.

Step 2 Tap Δ/∇ to position the cursor on **Wi-Fi** item. And press $_$ to enter the menu.



Figure 4-1 Set Wi-Fi

Step 3 Tap Δ/∇ to select **On**.

Step 4 Tap $_$ to save the settings.

Step 5 Reboot the body camera according to the prompt “Reboot device to take effect.”.

Step 6 (Optional) Go to **Main Menu > Network > Wi-Fi Information** to view the Wi-Fi **Status, SSID, and IP**.



Figure 4-2 Wi-Fi Information

4.2 Dial via 3G/4G MicroSIM Card

Purpose

You can connect to the Internet via 3G/4G public network.

Before you start

Install 3G/4G microSIM card. Refer to *Quick Start Guide* for details.

Step 1 Go to **Main Menu > Network**.

Step 2 Tap Δ/∇ to position the cursor on **Dial** item. And press $_$ to enter the menu.

Step 3 Tap Δ/∇ to select **On**.

Step 4 Tap $_$ to save the settings.

Step 5 Reboot the body camera according to the prompt "Reboot device to take effect."

Step 6 (Optional) Go to **Main Menu > Network > Dial Information** to view the dialing information.

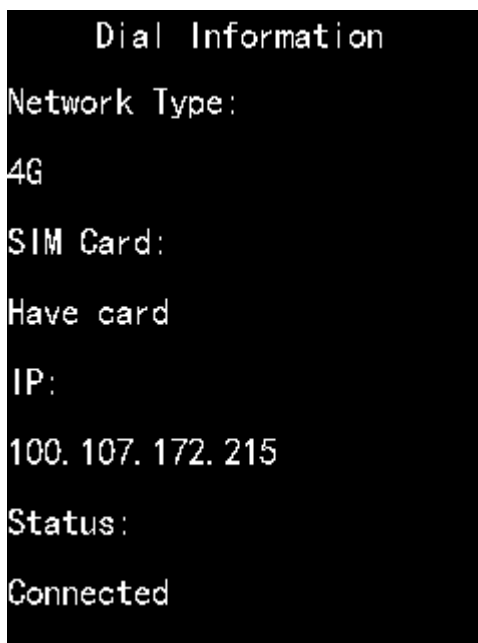


Figure 4-3 Dialing Information



- If you enable 3G/4G and Wi-Fi at the same time, Wi-Fi is in priority. If you want to use 3G/4G, disable Wi-Fi first.
- Dialing via 3G/4G microSIM card is only applicable to DS-MH2311/32G/GLE.

4.3 Connect to Platform

Purpose

You can connect the body camera to platform.

Before you start

Configure the platform parameters in Body Camera Assistant. Refer to *Chapter 7.6.4 Set Platform* for details.

Step 1 Go to **Main Menu > Network**.

Step 2 Tap Δ/∇ to position the cursor on **Platform Connection** item. And press $_$ to enter the menu.

Step 3 Tap Δ/∇ to select **On**.

Step 4 Tap $_$ to save the settings.

Step 5 Reboot the body camera according to the prompt "Reboot device to take effect."

Step 6 (Optional) Go to **Main Menu > Network > Platform Information** to view the details.

4.4 Set Network Transmission Parameters

Purpose

To determine the resolution, frame rate, and bitrate used by iVMS platform when it views body camera image, configure the network transmission parameters.

Step 1 Go to **Main Menu > Network**.

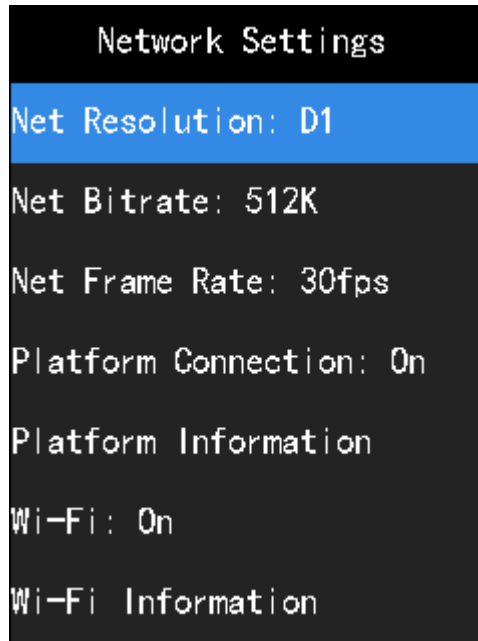


Figure 4-4 Network Settings

Step 2 Tap Δ/∇ to position the cursor on **Net Resolution**, **Net Bitrate**, or **Net Frame Rate**. And tap $_$ to enter corresponding menu.

Step 3 Tap Δ/∇ to select target parameters.

Step 4 Tap $_$ to save the settings.

Chapter 5 Camera Configuration

Purpose

You can set the video parameters, including resolution, frame rate, bitrate, and so on.

Step 1 Go to **Main Menu > Camera**.



Figure 5-1 Camera Settings

Step 2 Tap Δ/∇ to position the cursor on **Resolution, Bitrate, Frame Rate, Pre-Record, Post-Record**, or other items. And tap $_$ to enter corresponding menu.

- **Pre-Record:** The time you set to record before the start recording time. For example, when you start recording at 10:00, if you set the pre-record time as 5 seconds, the camera records it at 9:59:55.
- **Post-Record:** The time you set to record after the stop recording time. For example, when you stop recording ends at 11:00, if you set the post-record time as 5 seconds, it records till 11:00:05.
- **Video Clip:** Maximum size for every video. Video will be automatically recorded into a new clip once reaches the size.

Step 3 Tap Δ/∇ to select target parameters.

Step 4 Tap $_$ to save the settings.

Step 5 Reboot the body camera to take the new settings into effect.

Chapter 6 System Configuration

Go to **Main Menu > System** to configure parameters such as system volume, voice prompt, LED, auto-lock, IR light, etc.

6.1 Set System Sound

Purpose

Turn on and turn off system sound. If it is on, when you press a button or alarm occurs, body camera will send out a sound. It is on by default.

Step 1 Go to **Main Menu > System**.

Step 2 Tap Δ/∇ to position the cursor on **System Volume**. And tap $_$ to enter the menu.

Step 3 Tap Δ/∇ to select **On** or **Off**.

Step 4 Tap $_$ to save the settings.

6.2 Set Voice Prompt

Purpose

You can enable or disable voice prompt when you record or tape.

Step 1 Go to **Main Menu > System**.

Step 2 Tap Δ/∇ to position the cursor on **Voice Prompt**. And tap $_$ to enter the menu.

Step 3 Tap Δ/∇ to select **On** or **Off**.

Step 4 Tap $_$ to save the settings.

6.3 Turn on/off LED

Purpose

You can turn on or turn off the LEDs. If LEDs are on, they will be automatically turned on or off according to the device status.

Step 1 Go to **Main Menu > System**.

Step 2 Tap Δ/∇ to position the cursor on **LED**. And tap $_$ to enter the menu.

Step 3 Tap Δ/∇ to select LED as **On** or **Off**.

Step 4 Tap $_$ to save the settings.

6.4 Set Auto-Lock Time

Purpose

You can set the auto-lock time. The LCD will sleep if there is no operation during the configured time.

Step 1 Go to **Main Menu > System**.

Step 2 Tap Δ/∇ to position the cursor on **Auto-Lock**. And tap $_$ to enter the menu.

Step 3 Tap Δ/∇ to select the time.

Step 4 Tap $_$ to save the settings.

6.5 Set Language

Purpose

Two languages are provided: Chinese and English.

Step 1 Go to **Main Menu > System**.

Step 2 Tap Δ/∇ to position the cursor on **Language**. And tap $_$ to enter Language settings menu.

Step 3 Tap Δ/∇ to select language as **Chinese** or **English**.

Step 4 Tap $_$ to save the settings.

6.6 Set IR Lights

Purpose

The body camera provides IR (Infrared Radiation) lights. At night or dark environment, the IR light helps to get a visible image.

Step 1 Go to **Main Menu > System**.

Step 2 Tap Δ/∇ to position the cursor on **Infrared** item.

Step 3 Tap $_$ to enter **Infrared** menu.

Step 4 Tap Δ/∇ to select the mode.

- **OFF**: By default, IR light is off.
- **ON**: In night period or dark environment, it is recommended to turn on IR light.
- **AUTO**: Body camera automatically turns on/off IR light according to the brightness of the environment.

Step 5 Tap $_$ to save the settings.

6.7 Set Positioning

Purpose

Body camera has a built-in positioning module. By turning on positioning function, the device can obtain the latitude, longitude, and speed information.


Before you start

Ensure the body camera locates in a place where the positioning signal exists.



Step 1 Go to **Main Menu > System**.

Step 2 Tap  to position the cursor on **Positioning** item. And tap  to enter the menu.

Step 3 Tap  to select positioning type as **Off**, **GPS**, **BeiDou**, or **GPS and BeiDou**.

Step 4 Tap  to save the settings.

Step 5 Reboot the body camera to take the new settings into effect.

After device restarted, if positioning succeeded, the positioning icon in live view will turn from  to .


6.8 Set Satellite Time Synchronization


Purpose

When the time of body camera is not precise, you can enable satellite time synchronization.

Step 1 Go to **Main Menu > System**.

Step 2 Tap  to position the cursor on **Satellite Time Sync.** item. And tap  to enter the menu.

Step 3 Tap  to select **On** or **Off**.

Step 4 Tap  to save the settings.


6.9 Set Quick Charging Mode

Purpose

You can enable or disable quick charging mode to charge the body camera fully in short time.


Step 1 Go to **Main Menu > System**.

Step 2 Tap  to position the cursor on **Quick Charging Mode** item. And tap  to enter the menu.

Step 3 Tap  to select **On** or **Off**.

On: When the body camera is being charged, you cannot record or tape, and the body camera cannot be operated.

Off: When the body camera is being charged, you can operate the body camera normally.

Step 4 Tap  to save the settings.

Step 5 Reboot the body camera to take the settings into effect.

6.10 Set Overwriting

Purpose


You can enable overwriting if you want to overwrite the former videos when the memory is full.




If you enable overwriting, backup the important data in time, or they will be overwritten.

Step 1 Go to **Main Menu > System**.

Step 2 Tap  to position the cursor on **Overwrite** item. And tap  to enter the menu.

Step 3 Tap  to select **On** or **Off**.

Step 4 Tap  to save the settings.

Step 5 Reboot the body camera to take the settings into effect.

6.11 Set Password Verification


Purpose


You can enable or disable password verification. If you enable the function, when you want to play back, you need to input the password first.

Step 1 Go to **Main Menu > System**.

Step 2 Tap  to position the cursor on **Verify** item. And tap  to enter the menu.

Step 3 Input the current password.

Step 4 Tap  to select **On** or **Off**.


Step 5 Tap  to save the settings.

6.12 View Battery Information

Purpose

Battery information menu shows the remaining battery, time to fully charged, and charging status.

Step 1 Go to **Main Menu > System**.

Step 2 Tap  to position the cursor on **Battery Information** item.


Step 3 Tap  to view the battery information.


6.13 View System Information

Purpose

System information menu shows the device model, serial number, and version.

Step 1 Go to **Main Menu > System**.

Step 2 Tap  to position the cursor on **System Information** item.

Step 3 Tap  to view the system information.

Chapter 7 Body Camera Assistant

Purpose

You can log in to the body camera via Body Camera Assistant to view logs, videos, audios, and pictures, and configure parameters remotely.



- Get Body Camera Assistant from the attached CD in the package.
- Assistant mentioned below refers to Body Camera Assistant.

7.1 Install Assistant

Purpose

Install Body Camera Assistant according to the operating system of your computer.



- Install *BodyCameraAssistant-win32.exe* if your computer is in 32-bit operating system.
- Install *BodyCameraAssistant-win64.exe* if your computer is in 64-bit operating system.

Step 1 Double-click the application to start installing.

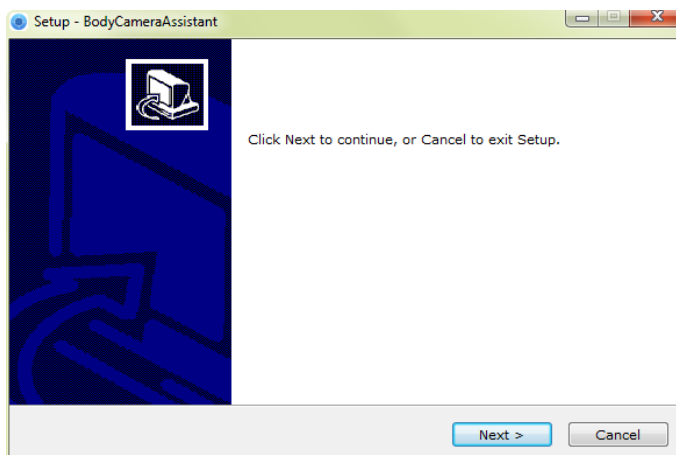


Figure 7-1 Setup

Step 2 Click **Next** to enter Select Destination Location window. Click **Browser** to select the path where to install the assistant.

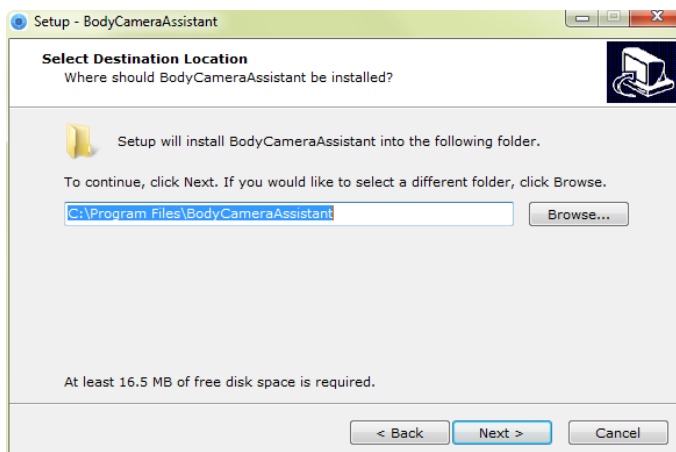


Figure 7-2 Select Destination Location

Step 3 Click **Next** to enter Select Start Menu Folder window. You can edit the shortcut name and click **Browse** to select the folder where to create shortcut.

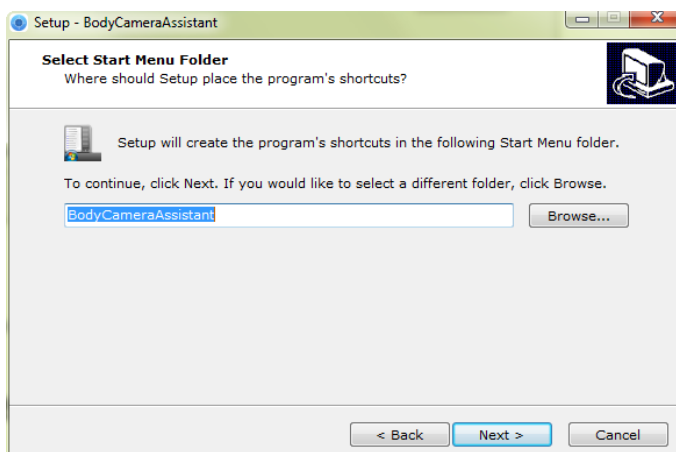


Figure 7-3 Select Start Menu Folder

Step 4 Click **Next** to enter Select Additional Tasks window. You can check **Create a desktop icon**.

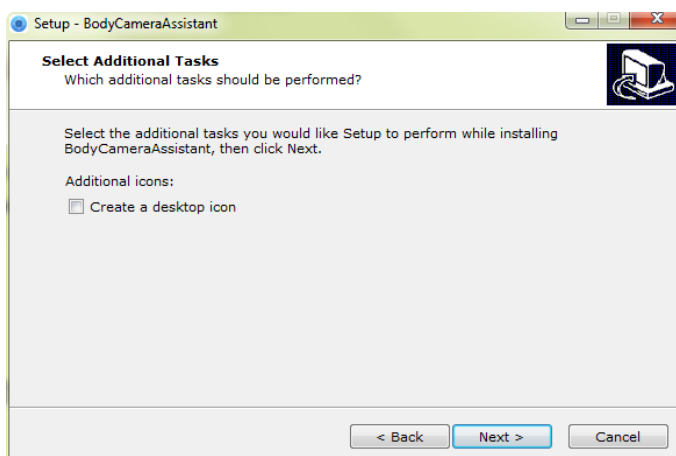


Figure 7-4 Select Additional Tasks

Step 5 Click **Next** to enter Ready to Install window. Click **Install** to start installing.

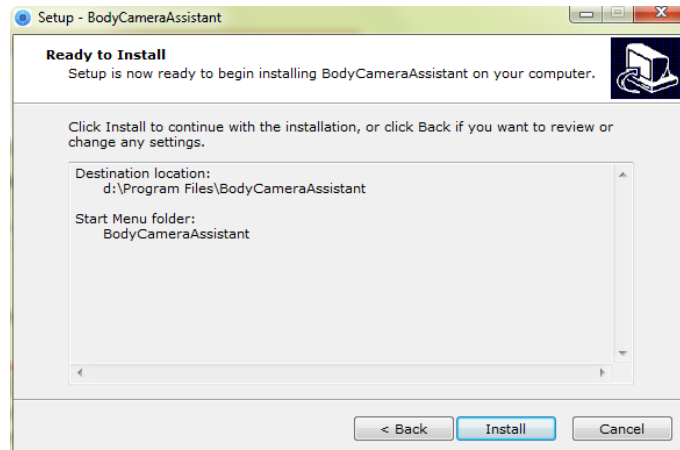


Figure 7-5 Ready to Install

Step 6 During the installation process, the following window will pop up.

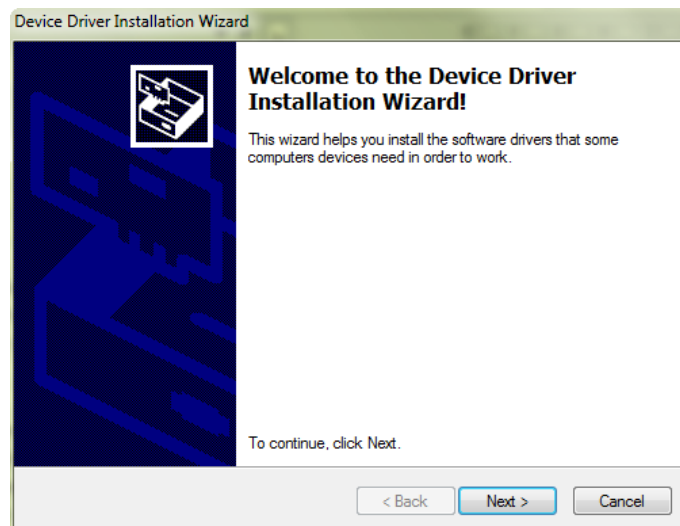


Figure 7-6 Device Driver Installation Wizard

Step 7 Click **Next** to start installing device driver.

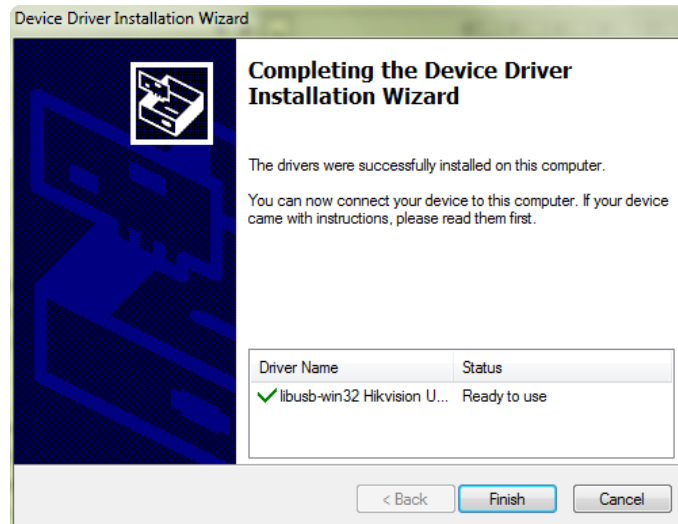


Figure 7-7 Device Driver Installation Wizard

Step 8 Click **Finish** in Device Driver Installation Wizard and click **Finish** in Body Camera Assistant Wizard to finish the installation.

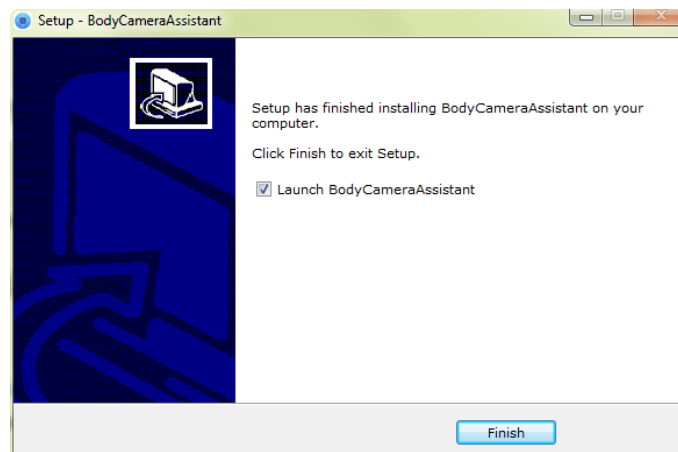


Figure 7-8 Finish Installation

Step 9 Then the Body Camera Assistant window appears.



Figure 7-9 Body Camera Assistant

7.2 Log in

Purpose

Log in to the assistant to operate the body camera.

Before you start

Connect the body camera to your computer with the USB cable.

Step 1 Click  to start the assistant.

Step 2 Click **Recognize device** to start recognizing. Then the recognized device will be listed.



Figure 7-10 Recognized Device

Step 3 Click the recognized device, input device password, and then click **Login** to log in. Then the configuration interface shows as below.

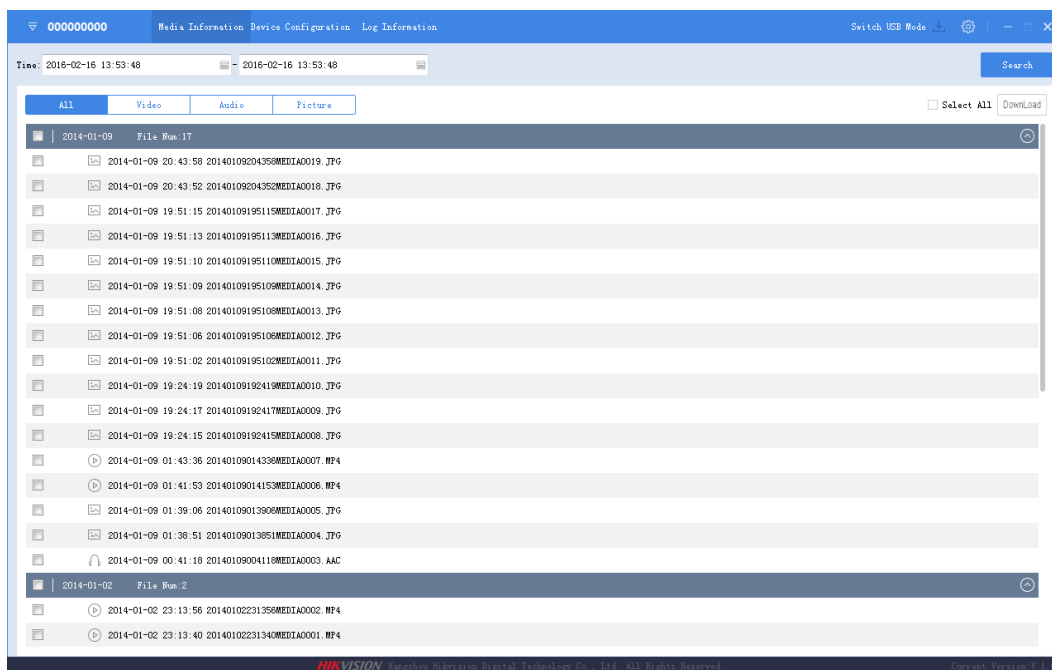


Figure 7-11 Body Camera Assistant

NOTE

- The default password is 123456.
- If you forget the password, refer to *Chapter 7.4 Recover Password* for details.

7.3 Log out

Step 1 Click  on the upper left corner of the interface.



Figure 7-12 Log out

Step 2 Click **Exit** to log out of the assistant.

7.4 Recover Password

Purpose

If you forget your device password, you can recover it to the default password.

Step 1 Enter device login window.

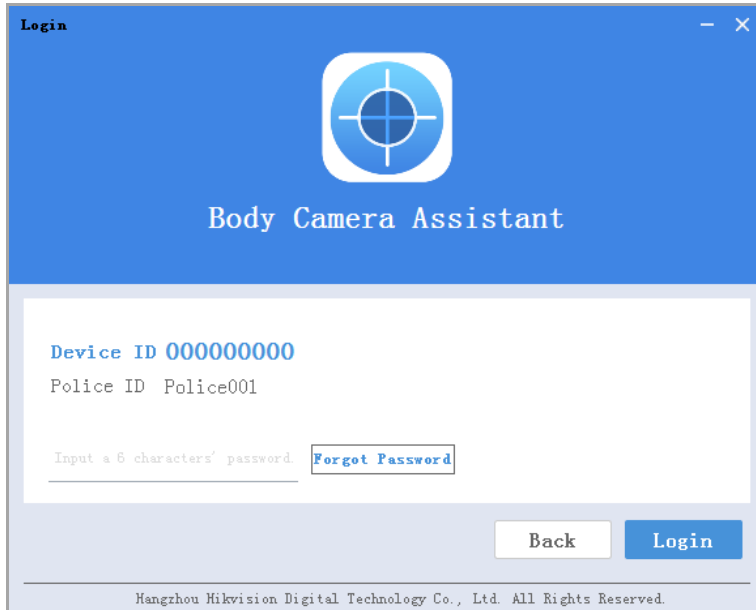



Figure 7-13 Login Window

Step 2 Click **Forgot Password**.

Step 3 Click **File Export** to export file *DeviceKey.xml*.

Step 4 Send the file to your manufacturer. They will send you an encryption file.

Step 5 Click  to import the encryption file received in step 4.

Step 6 Click **Verifying Encryption** to start verifying. If verifying succeeded, device password will be recovered to default.

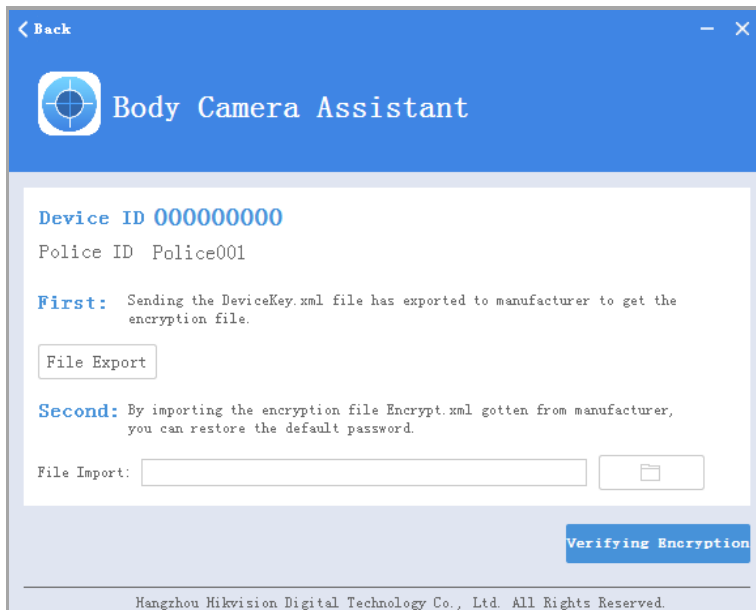


Figure 7-14 Recover Password

7.5 Export File

Purpose

You can export videos, audios, and pictures to your computer via assistant or USB mode.

7.5.1 Export File via Assistant

Purpose

You can download or clear files via assistant.

Step 1 Log in to the body camera via assistant.

Step 2 Click **Media Information** tab.

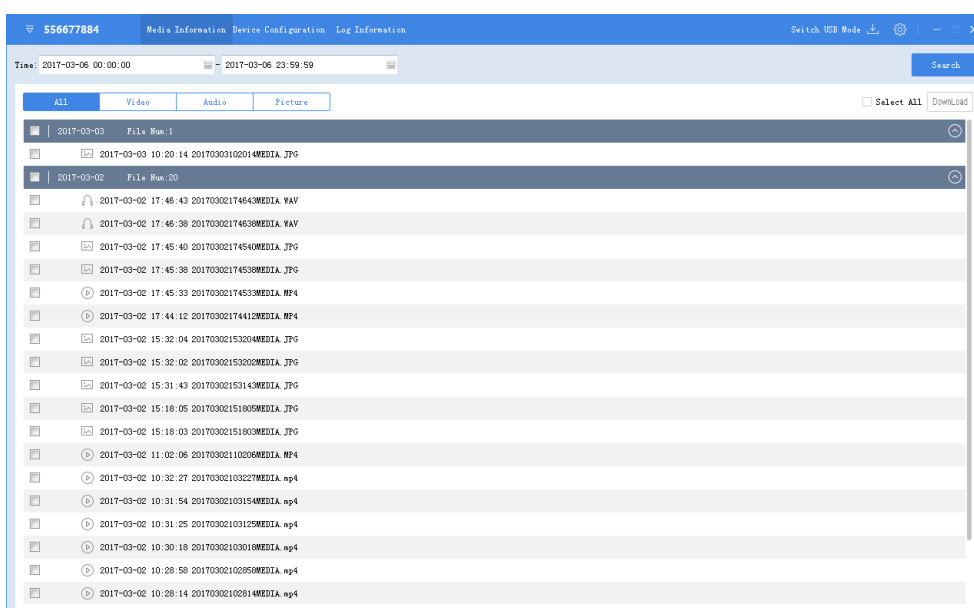


Figure 7-15 Media Information

Step 3 Click **All**, **Video**, **Audio**, or **Picture** tab to select the file type you want to download.

Step 4 Check the checkboxes of files you want to download.

Step 5 Click  to enter File Download window.

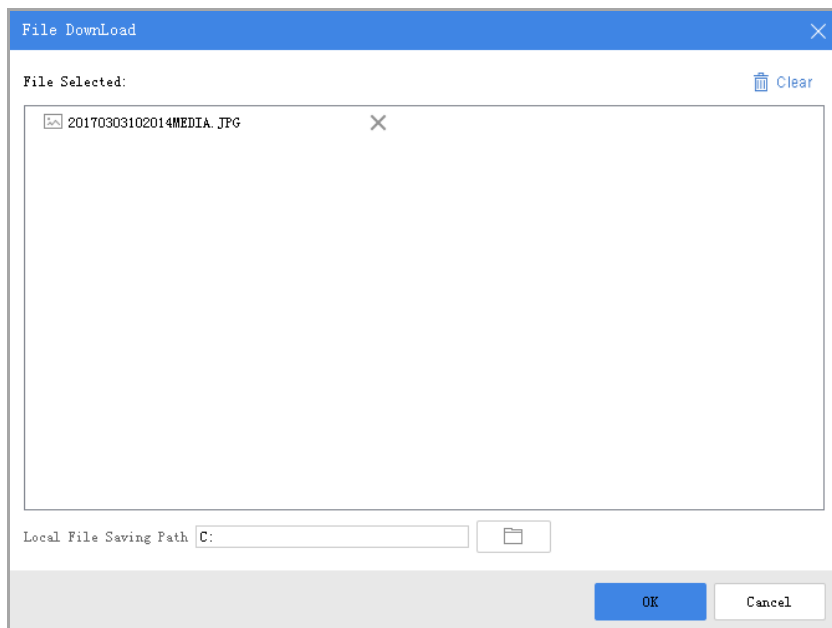


Figure 7-16 File Download

Step 6 Click  to select Local File Saving Path.

Step 7 Click **OK** to start downloading.

Step 8 (Optional) Click  on the upper right corner to view downloading status.

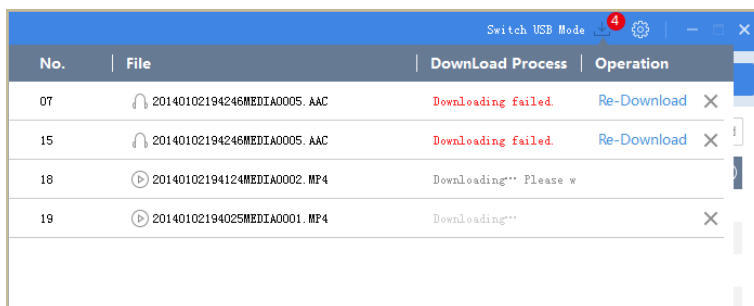


Figure 7-17 Downloading Status

7.5.2 Export File via USB Mode

Purpose

You can switch the body camera as a USB flash disk and export files to your computer.

Step 1 Log in to the body camera via assistant.

Step 2 Click **Switch USB Mode** on the upper right corner of assistant window.

Step 3 Click **OK** to confirm. Then the assistant will exit.

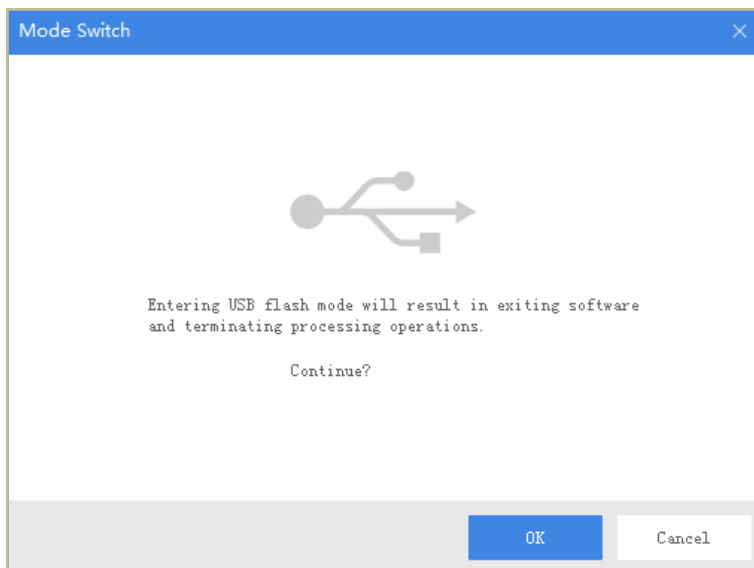


Figure 7-18 Switch USB Mode

Step 4 Enter Computer window to view the body camera. It will be recognized like an USB flash disk.



Figure 7-19 Devices with Removable Storage

Step 5 Double-click the disk to enter it and export files.

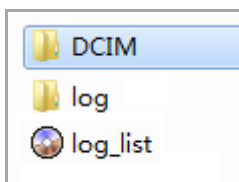


Figure 7-20 Root Directory of Body Camera

- **DCIM:** It contains the subfolders named with the date of taking pictures, capturing, taping audio, and recording. Double-click the subfolders to see the pictures, audios, and videos.
- **Log:** It contains the operation logs.

7.6 Configure Network

7.6.1 Connect to Dynamic Wi-Fi

Purpose

You can access internet by connecting to a Wi-Fi. If you want to allocate IP address automatically, set the dynamic Wi-Fi.

Step 1 Click **Device Configuration** tab, and click **Network Settings** item in the left menu list.

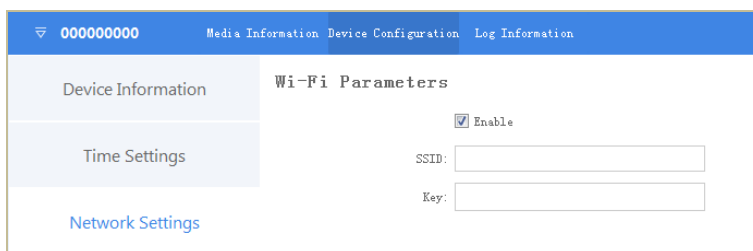


Figure 7-21 Set Dynamic Wi-Fi Parameters

Step 2 Check **Enable** of Wi-Fi Parameters.

Step 3 Input **SSID** and **Key** of Wi-Fi signal you want to connect in text fields.

Step 4 Click **Save** to save the settings.

7.6.2 Connect to Static Wi-Fi

Purpose

You can access internet by connecting to a Wi-Fi. If you want to guarantee the network stability and remain the access address, set the static Wi-Fi.

Step 1 Click **Device Configuration** tab, and click **Static Wi-Fi Configuration** item in the left menu list.

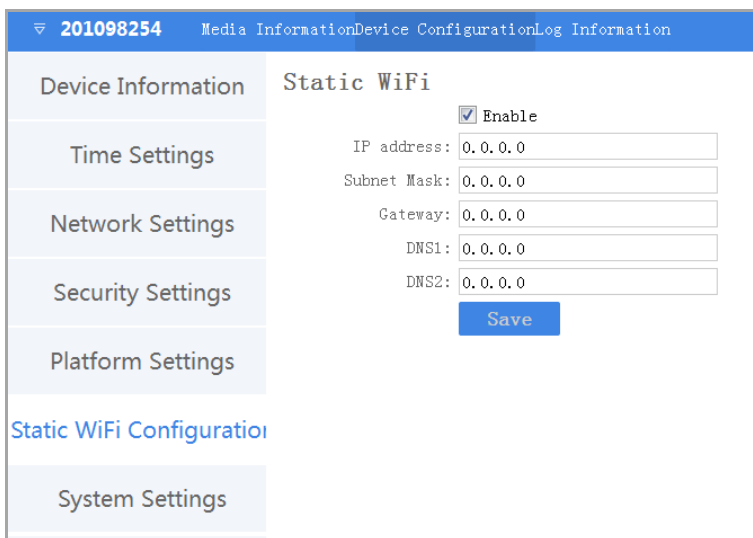


Figure 7-22 Set Static Wi-Fi Parameters

Step 2 Check **Enable**.

Step 3 Input the parameters listed.

Step 4 Click **Save** to save the settings.

7.6.3 Dial via 3G/4G MicroSIM Card

Purpose

You can connect to the Internet via 3G/4G public network.

Before you start

Install 3G/4G microSIM card. Refer to Quick Start Guide for details.

Step 1 Click **Device Configuration** tab, and click **Network Settings** item in the left menu.

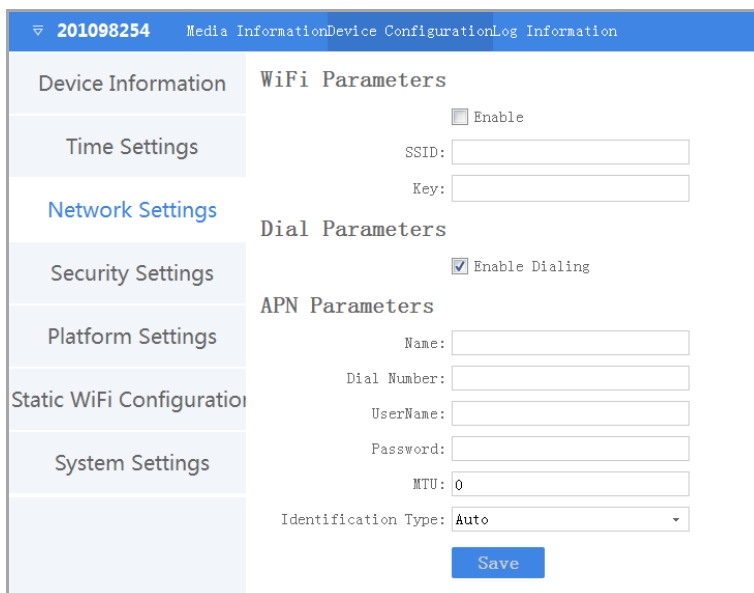


Figure 7-23 Dial via 3G/4G MicroSIM Card

Step 2 Check **Enable Dialing**.

Step 3 Input **APN Parameters** including **Name, Dial Number, User Name, Password,** and **MTU**. And select **Identification Type**.

Step 4 Click **Save** to save the settings.



- If you enable 3G/4G and Wi-Fi at the same time, Wi-Fi is in priority. If you want to use 3G/4G, disable Wi-Fi first.
- Dialing via 3G/4G microSIM card is only applicable to DS-MH2311/32G/GLE.

7.6.4 Set Platform

Purpose

You can log in to body camera via iVMS platform to monitor device, receive alarms, and so on.

Step 1 Click **Device Configuration** tab, and click **Platform Settings** item in the left menu list.

Platform Parameters

Enable

IP Domain name

IP:

Port:

Device ID:

Figure 7-24 Platform Settings

Step 2 Check **Enable** to enable platform connection.

Step 3 Edit **IP**, **Port**, and **Device ID**.

- **IP**: The IP address of platform server you want to connect.
- **Port**: The port of platform. The default port of iVMS is 7660.
- **Device ID**: When adding body camera via platform, the ID is needed. It is the unique identification.

Step 4 Click **Save** to save the settings.

7.7 Configure Device

7.7.1 Configure Encoding Parameters

Purpose

You can set the parameters for video, including resolution, frame rate, bitrate, and so on.

Step 1 Click **Device Configuration** tab, and click **Device Information** item in the left menu.

Step 2 Select **Video Res.@Frame Rate**, **Net Transfer Res.@Frame Rate**, **Bitrate**, and **Net Transfer Bitrate** from respective drop-down list.

Step 3 Click **Save** to save the settings.

000000000 Media Information Device Configuration Log Information

Device Information User Information

Police ID:

Device ID:

Parameters

Video Res.@Frame Rate:

Net Transfer Res.@Frame Rate:

Bitrate:

Net Transfer Bitrate:

Figure 7-25 Encoding Parameters

7.7.2 Synchronize Time

Purpose

You can synchronize device time with your custom time or network time.

Step 1 Click **Device Configuration** tab, and click **Time Settings** item in the left menu list.

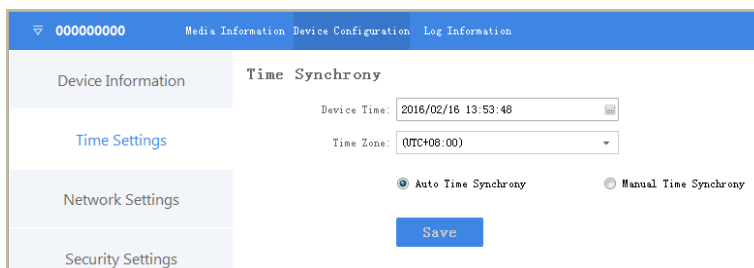


Figure 7-26 Time Settings

Step 2 Select time synchronization type as **Auto Time Synchrony** or **Manual Time Synchrony**.

- **Auto Time Synchrony:** If selected, **Device Time** and **Time Zone** are not configurable. Assistant will synchronize the device time with your computer time.
- **Manual Time Synchrony:** If selected, you can synchronize device time according to your custom time.

Step 3 (Optional) If **Manual Time Synchrony** is selected, select **Device Time** and **Time Zone** according to your needs.

Step 4 Click **Save** to save the settings.

7.7.3 Configure System Parameters

Purpose

You can configure parameters such as system volume, positioning, LED, auto-logout, IR light, etc.

Step 1 Click **Device Configuration** tab, and click **System Settings** item in the left menu list.

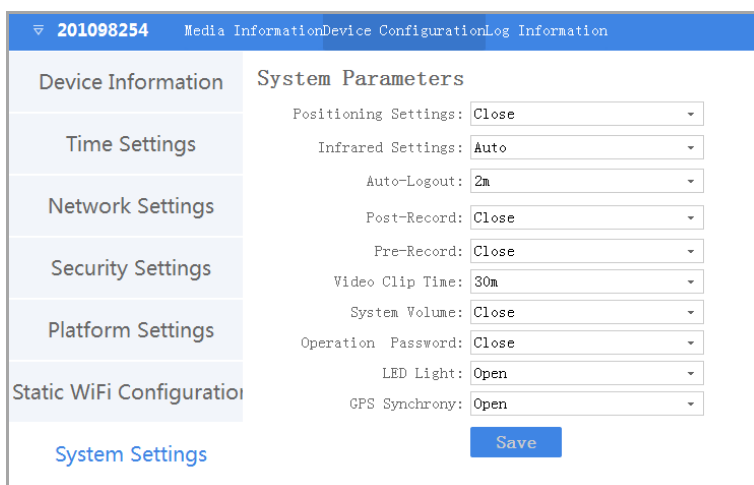


Figure 7-27 System Settings

Step 2 Select the parameters listed.

Step 3 Click **Save** to save the settings.

7.8 Maintenance

7.8.1 Set User Information

Purpose

You can customize the police ID and device ID.

Step 1 Click **Device Configuration** tab, and click **Device Information** item in the left menu list.

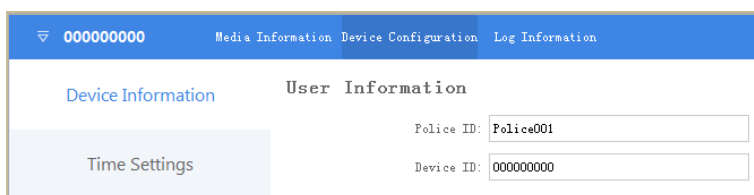


Figure 7-28 User Information

Step 2 Edit **Police ID** and **Device ID**.



- Device ID cannot be longer than 32 characters.
- Police ID cannot be longer than 10 characters.

Step 3 Click **Save** to save the settings.

7.8.2 Change Password

Purpose

You can change password of the body camera.



STRONG PASSWORD RECOMMENDED—We highly recommend you create a strong password of your own choosing (Using a minimum of 8 characters, including at least three of the following categories: upper case letters, lower case letters, numbers, and special characters.) in order to increase the security of your product. And we recommend you reset your password regularly, especially in the high security system, resetting the password monthly or weekly can better protect your product.

Step 1 Click **Device Configuration** tab, and click **Security Settings** item in the left menu list.



Figure 7-29 Change Password

Step 2 Input **Current Password**.

Step 3 Input **New Password**.

Step 4 Click **Save** to save the settings.



NOTE

Password can only contain the number, instead of the letter and the symbol.

7.8.3 Log Operations

Purpose

By searching logs, you can review the history device status, device operation, and so on. You can also export and clear logs.

Step 1 Click **Log Information** tab.



Figure 7-30 Log Information

Step 2 To search logs in a specified duration, do following steps:

- 1) Edit the log's start time and end time.



Figure 7-31 Search Condition

- 2) Click **Search** to start searching. The matched logs will be listed.

Step 3 To export searched logs, do following steps:

- 1) Search the logs you want to export.
- 2) Click **Export** to export them.

 **NOTE**

The exported logs are saved in .txt format in the configured log saving path.


Step 4 To clear logs, do following steps:

- 1) Search the logs you want to clear.
- 2) Click **Clear** to clear them.

7.8.4 Set File Saving Path

Purpose

You can customize the local file and log file saving path.

Step 1 Click  on the upper right corner of assistant window.

Step 2 Click  to customize **Local File Saving Path** and **Log Saving Path**.

Step 3 Click **Save** to save the settings.



Figure 7-32 Local Configuration

7.8.5 Format Body Camera

Purpose

Formatting helps you to clear all data saved in the body camera.

 **NOTE**

It's not recommended to format the body camera like the way you format USB flash drive, or the body camera will fail to recognize the memory.

Step 1 Click **Device Configuration** tab, and click **System Settings** item in the left menu list.

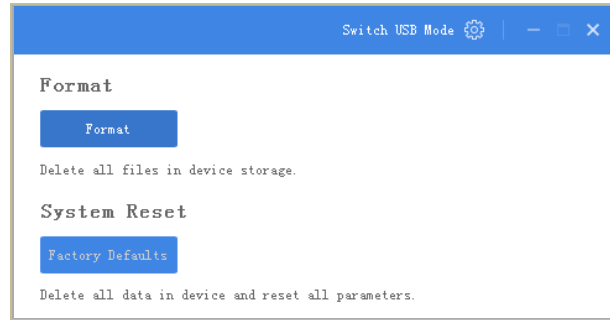


Figure 7-33 Format

Step 2 Click **Format**.



Figure 7-34 Format Device

Step 3 Input password in the text field.

Step 4 Click **OK** to start formatting.

7.8.6 Reset System

Purpose

You can reset all parameters to default settings by resetting system.

Step 1 Click **Device Configuration** tab, and click **System Settings** item in the left menu.



Figure 7-35 Reset System

Step 2 Click **Factory Defaults**.

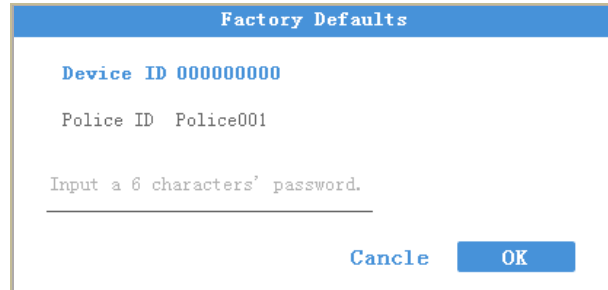


Figure 7-36 Factory Defaults

Step 3 Input password in the text field.

Step 4 Click **OK** to start resetting.

7.8.7 Upgrade Body Camera

Purpose

You can upgrade body camera via the assistant.



NOTE

It is recommended to upgrade device with the help of professional technical support.

Step 1 Switch the body camera to USB mode. Refer to *Chapter 7.5.2 Export File via USB Mode* for details.

Step 2 Enter the removable disk of body camera through Computer.

Step 3 Copy the upgrade file into the removable disk.

Step 4 Reboot the body camera.

Step 5 Go to **System Settings** of the LCD menu.

Step 6 Tap Δ/∇ to position the cursor on **System Upgrade** item.

Step 7 Tap \leftarrow to start upgrading.

Chapter 8 Troubleshooting

- **Unable to start up.**

- a) **Possible Reason:** Device runs out of power.
Solution: Get device be charged.
- b) **Possible Reason:** The battery is damaged or runs out of power.
Solution: Change battery.

- **Unable to start recording.**

- a) **Possible Reason:** Memory is full.
Solution: Back up device and clear device memory.
- b) **Possible Reason:** Formatting memory error.
Solution: Format the memory via assistant. For detailed steps, refer to *7.5.7 Formatting* in user manual.
- c) **Possible Reason:** Device is abnormal.
Solution: Reboot device.

- **Unable to dial.**

- a) **Possible Reason:** Wi-Fi is enabled and connected.
Resolution: Disable Wi-Fi.
- b) **Possible Reason:** 3G/4G microSIM card is not installed well.
Resolution: Reinstall 3G/4G microSIM card.
- c) **Possible Reason:** 3G/4G microSIM card is fees owed.
Resolution: Renew the card.
- d) **Possible Reason:** Device is abnormal.
Resolution: Reboot device.

- **Unable to log in.**

- a) **Possible Reason:** Password error.
Resolution: Reset your password. For detailed steps, refer to *7.5.8 System Resetting* in user manual.
- b) **Possible Reason:** Device is abnormal.
Resolution: Reboot device.



See Far, Go Further