



Body Camera

User Manual

Legal Information

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FCC Information

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.

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.

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.

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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 EMC Directive 2014/30/EU, the LVD Directive 2014/35/EU, the RoHS Directive 2011/65/EU.



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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.

Symbol Conventions

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

Symbol	Description
 Danger	Indicates a hazardous situation which, if not avoided, will or could result in death or serious injury.
 Caution	Indicates a potentially hazardous situation which, if not avoided, could result in equipment damage, data loss, performance degradation, or unexpected results.
 Note	Provides additional information to emphasize or supplement important points of the main text.

Safety Instruction

Laws and Regulations

Use of the product must be in strict compliance with the local laws and regulations. Please shut down the device in prohibited area.

Power Supply

- Use of the product must be in strict compliance with the local electrical safety regulations.
- Use the power adapter provided by qualified manufacturer. Refer to the product specification for detailed power requirements.
- It is recommended to provide independent power adapter for each device as adapter overload may cause over-heating or a fire hazard.
- Make sure that the power has been disconnected before you wire, install, or disassemble the device in the authorized way according to the description in the manual.
- To avoid electric shock, DO NOT directly touch exposed contacts and components once the device is powered up.
- DO NOT use damaged power supply devices (e.g., cable, power adapter, etc.) to avoid electric shock, fire hazard, and explosion.
- DO NOT directly cut the power supply to shut down the device. Please shut down the device normally and then unplug the power cord to avoid data loss.
- The socket-outlet shall be installed near the equipment and shall be easily accessible.
- Make sure the power supply has been disconnected if the power adapter is idle.
- Connect to earth before connecting to the power supply.

Transportation, Use, and Storage

- To avoid heat accumulation, good ventilation is required for a proper operating environment.
- Store the device in dry, well-ventilated, corrosive-gas-free, no direct sunlight, and no heating source environment.
- Avoid fire, water, and explosive environment when using the device.
- Install the device in such a way that lightning strikes can be avoided. Provide a surge suppressor at the inlet opening of the equipment under special conditions such as the mountain top, iron tower, and forest.
- Keep the device away from magnetic interference.
- Avoid device installation on vibratory surfaces or places. Failure to comply with this may cause device damage.
- DO NOT touch the heat dissipation component to avoid burns.
- DO NOT expose the device to extremely hot, cold, or humidity environments. For temperature and humidity requirements, see device specification.
- No naked flame sources, such as lighted candles, should be placed on the equipment.
- DO NOT touch the sharp edges or corners.

- To prevent possible hearing damage, DO NOT listen at high volume levels for long periods.
- The device can only be safely used in the region below 2,000 meters above the sea level.

Maintenance

- If smoke, odor, or noise arises from the device, immediately turn off the power, unplug the power cable, and contact the service center.
- If the device cannot work properly, contact the store you purchased it or the nearest service center. DO NOT disassemble or modify the device in the unauthorized way (For the problems caused by unauthorized modification or maintenance, the company shall not take any responsibility).
- Keep all packaging after unpacking them for future use. In case of any failure occurred, you need to return the device to the factory with the original packaging. Transportation without the original packaging may result in damage to the device and the company shall not take any responsibility.

Network

- Please enforce the protection for the personal information and the data security as the device may be confronted with the network security problems when it is connected to the Internet. Contact us if network security risks occur.
- Please understand that you have the responsibility to configure all the passwords and other security settings about the device, and keep your user name and password.

Lens

- DO NOT touch the lens with fingers directly in case the acidic sweat of the fingers erodes the surface coating of the lens.
- DO NOT aim the lens at the strong light such as sun or incandescent lamp. The strong light can cause fatal damage to the device.

Screen

Clean the screen with soft and dry cloth or other substitutes to wipe the interior and exterior surface. DO NOT use alkaline detergents. Protect the screen from scratches.

Battery

- DO NOT charge the battery continuously more than one week. Overcharging may shorten the battery life.
- Battery will discharge gradually if it is not used for a long time. It must be recharged before using.
- If the device contains dismountable battery, store the device and battery separately if it is not used.
- The battery must be charged and discharged every three months if it is not used, and recharged to 60% to 70% power percentage to store.
- The scrapped battery should be discarded in compliance with the local laws and regulations. If there are no corresponding laws or regulations, throw it in a hazardous trash can.

- DO NOT pierce the battery or shorten the electrodes, or it may cause explosion or fire hazard.
- DO NOT dispose of the battery into fire or a hot oven, or mechanically crush or cut the battery, which may result in an explosion.
- CAUTION: Please use the specific battery supported by the device, or it may cause explosion. If the battery is damaged and needs to be changed, contact the device manufacturer or local distributor.
- If the device contains button battery, keep it far away from children.
- DO NOT expose the battery pack or battery combination to sunlight, fire, or similar overheated environment. DO NOT leave the battery in an extremely high temperature surrounding environment or subject the battery to extremely low air pressure, which may result in an explosion or the leakage of flammable liquid or gas.
- Keep new and used batteries away from children. If the battery compartment does not close securely, stop using the product and keep it away from children.

Data

DO NOT disconnect the power during formatting, uploading, and downloading. Or files may be damaged.

Laser



: The laser radiation emitted from the device can cause eye injuries, burning of skin, or inflammable substances. Before enabling the laser, make sure no human or inflammable substances are in front.

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Chapter 1 Product Introduction

1.1 Introduction

Body camera (hereinafter referred to as device) highly integrates with record, taping, capture, positioning, etc. It is embedded with positioning module with high sensitivity to locate the occurring position of events accurately. It can record the process and condition of events completely via record, taping, and capture. You can also tag the important data for future search. It is small and light, convenient to carry, and can be worn on the shoulder, satisfying the requirement of mobile duty and evidence record for single person. It is widely applicable to public security protection, city management, industry and commerce, etc.

1.2 Key Feature

- HD recording.
- The recorded videos can be uploaded to the central video platform via 4G wireless communication.
- Dual positioning modules of GPS and Beidou. The location information can be uploaded to the command center in real time.
- Supports IR night vision. Even in the dark scene, the facial features of the persons in the scene can be recognized clearly.
- Tri-proof design to support all-weather filed operation.
- Built-in battery with large capacity, supporting longer working hour.
- Small size, light weight, and convenient to carry.
- Large recording button for convenient operation.

1.3 Default Information

The default information of the device is shown as below.

- Default user name (administrator): admin
- Default password: 123456



Caution

For your data safety, change the device password in time.

Chapter 2 Startup and Main Menu

2.1 Start up

When the device is shut down, hold **On/Off** button on the device side to start it up.

2.2 Log in by Multi-Users

Multiple users issued by the dock station can log in to the device. The logged user can view all the videos, audios, and pictures of all the users.

Before You Start

Set multiple users in the dock station. Refer to the user manual of dock station for details.

Steps

1. Start up the device to enter the login page.
2. Select the user.
3. Enter the password of the user.
4. Tap **Login**.



Note

When there is no user ID information, or there is only one user ID, the login page will not appear, and the device can be used directly.

2.3 Main Menu


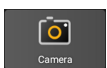
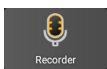

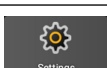
After the device starts up, it will enter **Camera** page automatically. Tap  to enter the main menu. The description of the icons on the main menu is shown as the table below.

Table 2-1 Main Menu Icon Description


Icon	Description
	Tap it to enter Camera page. You can capture or record.
	Tap it to enter Recorder page. Press the taping button on the device side to start taping.
	Tap it to enter File MGT page. You can view the videos, audios, and pictures saved in the device.
	Tap it to enter Settings page. You can set Network, Media, System, and Device .

Note

You need to enter the device password when you enter **File MGT** page and some other settings page. Enter the password according to the prompt. Hereinafter the operation of entering password will not be illustrated any more.

2.4 Zoom

When the current live view image is too small or too large, you can zoom in or out to adjust the best live view effect.

On **Camera** page, tap . With the multiple increases, the lens zooms in and the object becomes larger. With the multiple decreases, the lens zooms out and the object becomes smaller.

Chapter 3 Storage, Playback, and Backup

3.1 Storage

The recorded videos, taped audios, and captured pictures will be stored in the device.

3.1.1 Release Storage Capacity

When the storage capacity is full, you can back up the device data to the computer first, and then release the storage capacity.

Steps



1. Back up files via USB mode. Refer to "Back up via USB Mode" for details.
2. Delete the files backed up under PVRFILES folder to release the storage capacity.

3.1.2 Record

You can record videos via the device.

Steps

1. Press  (recording button).

On the live view page,  will appear on the status bar, indicating the device is recording. On the main menu page,  will appear on the status bar, indicating the device is recording. If you have enabled voice prompt, you can hear the voice prompt. If you have enabled indicators, the LED 1 will be flashing in red in low frequency.

2. Press the recording button again to stop recording.
3. **Optional:** Tap **File MGT** on the main menu to view the recorded videos.



Note



- If you want to record a period of time before recording starts, tap **Settings** → **System** → **Pre-record** to set pre-record.
 - If you want to record a period of time after recording ends, tap **Settings** → **System** → **Post-record** to set post-record.
-

3.1.3 Tape

You can tape audios via the device.

Steps


1. Press  (taping button).

- On the main menu page, press the taping button,  will appear on the status bar, indicating the device is taping.
 - Tap **Recorder** on the main menu, and press the taping button. Then  will appear on the page, and the time counting starts, indicating the device is taping.
 - On other pages, after you press the taping button, no taping icon prompt will display on the status bar. If you have enabled indicators, the LED 2 will be flashing yellow in low frequency, indicating the device is taping.
2. Press the taping button again to stop taping.
 3. **Optional:** Tap **File MGT** on the main menu to view the taped audios.

3.1.4 Capture

You can capture pictures via the device.


Steps

1. Press  (capture button).
The device captures a picture.
2. **Optional:** Tap **File MGT** on the main menu to view the captured pictures.

3.2 Playback

You can play back videos, audios, and pictures via the device.

Steps

1. Tap **File MGT**.
2. Tap **Video, Audio, or Picture**.
3. Select the file to play or view from the file list.
4. **Optional:** On the picture list page, tap **Select**, check the picture(s), and tap  to upload the selected picture(s) to the management platform.

3.3 Backup

You can back up the files stored in the device.

3.3.1 Back up via USB Mode

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

Before You Start

- Connect the device to the computer via data cable.
- Disable read-only mode of the device. Refer to "Set USB Read-Only Mode" for details.

Steps

1. Switch the device to USB mode. Refer to "Switch USB Mode" for details.
2. Copy the data of the device to the computer.

3.3.2 Play Backup File


You can only play the backed up video or audio files via Hikvision player or other players with Hikvision play plugin.

- Hikvision Player: If you select Hikvision player to play the files, visit Hikvision official website to download VSPlayer and install it.
- Hikvision Play Plugin: If you select other players to play the files, visit Hikvision official website to download MFPlugins and install it.

3.4 Set Tag

3.4.1 Set Tag During Recording, Taping, or Capturing

Set Tag During Recording or Taping


During recording or taping, press **Fn** button to set a tag for the current video or audio. Then  will appear on the live view page, indicating tagging succeeded. Hold **Fn** button to cancel the tag.



Note

The tag is only available for the current video or audio. After the video or audio stops, the tagging also ends.



Set Tag During Capturing

Press **Fn** button, and press  to capture a picture. Then the captured picture will be tagged.



3.4.2 Set Tag After Recording, Taping, or Capturing

After recording, taping, or capturing, you can set tags for the important videos, audios, or pictures for convenient search.

Set Tag After Recording

1. Tap **File MGT**.
2. Tap **Video**.
3. Select a video to play. Tap the image, and tap  or press the **Fn** button to set a tag.
4. If you want to cancel the tag, tap  or hold the **Fn** button to cancel the tag.

Set Tag After Taping or Capturing

1. Tap **File MGT**.
2. Tap **Picture** or **Audio**.
3. Tap a picture to view or an audio to play.
4. Tap  or press the **Fn** button to set a tag.
5. If you want to cancel the tag, tap  or hold the **Fn** button to cancel the tag.

Chapter 4 Network Settings


4.1 Dial (Normal Network)

You can connect to the Internet via SIM card dialing.

Before You Start

Install the SIM card.

Steps

1. Swipe the screen down to open the notification center.
2. Tap  to enable dialing.




4.2 Dial (Private Network)

You can connect to the private network via SIM card dialing.

Before You Start

Install the SIM card.

Steps

1. Swipe the screen down to open the notification center.
2. Tap  to enable dialing.
3. Tap **Settings** → **Network** → **Network and Internet** → **Mobile Network** .
4. Select the dialing card, and tap **Advanced**.
5. Tap **Access Point Names**.
6. Contact the service supplier to get the APN.
 - Select the APN from the list.
 - Tap  → **New APN** to set corresponding parameters. Tap  → **Save** .




4.3 Connect to Wi-Fi

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

Steps

1. Tap **Settings** → **Network** → **WLAN** .
2. Tap to enable Wi-Fi.
3. Select the Wi-Fi to connect, enter the password, and tap **CONNECT**.

Result

If connecting succeeded,  will appear on the notification center. After the first-time successful connection, you can tap  to disable Wi-Fi, or tap  to enable Wi-Fi.


4.4 Connect to Bluetooth Headset

You can connect bluetooth headset to the device.

Before You Start

Prepare the bluetooth headset by yourself.

Steps

1. Enable bluetooth in two ways.
 - Tap **Settings** → **Network** → **Bluetooth** to enable the function.
 - Tap  in the notification center to enable the function.
2. Select the headset to pair from the available devices list.



Note

After the bluetooth headset is connected, the headset will be used for two-way audio with the platform by default.

4.5 Connect to Platform

4.5.1 Connect to EHome/ISUP Platform

EHome/ISUP is the platform access protocol. You can log in to the device via the platform to realize live view, data management, and so on.

Before You Start

- Set the connected platform. Refer to the platform user manual for details. Ensure the device can communicate with the platform normally.
- Select **Video Platform Type** as **EHome** or **ISUP5**. Refer to "Select Video Platform" for details.

Steps

1. Tap **Settings** → **Network** → **Platform** .
2. Tap **Registration** to enable the platform connection.
3. Enter **Platform IP Address**, **Platform Port**, and **Device ID**.




Note

- The device ID should be consistent with that reserved when adding device via the platform.
 - After the device is connected to the EHome platform, pictures can be uploaded manually or automatically.
-

4. **Optional:** Enter **Key** if ISUP platform is connected.
5. **Optional:** Tap **Settings** → **System** → **Force Sub-Stream** , and tap **Enable** to let the EHome/ISUP platform to transmit via sub-stream forcedly.

Result

 appears on the status bar, indicating the device has been connected to the platform.

4.5.2 Connect to Guarding Vision

The device can be remotely accessed via Guarding Vision.

Before You Start

- Connect the device to the Internet.
- Set the IP address, subnet mask, gateway, and DNS server of the LAN.
- Select **Video Platform Type** as **EZVIZ**. Refer to "Select Video Platform" for details.

Steps

1. Tap **Settings** → **Network** → **Platform** .
2. Tap **Registration** to enable the platform connection.
3. Tap **Ezviz Address**, enter the address, and tap **OK**.
4. Tap **Platform Port**, enter the port, and tap **OK**.
5. Enter a customized **Verify Code** used to add the device in Guarding Vision.



Caution

Valid security code range [6-12]. You are recommended to use an eight-bit or above combination of numbers, lowercase, and uppercase for the code.

6. Get Guarding Vision application from the following ways.
 - For computer user: Visit dev.guardingvision.com .
 - For mobile phone user: Download Guarding Vision in App Store (iOS system) or Google Play™ (Android system).
 7. Register an account and add the device to Guarding Vision.
-



Note

Refer to the user manual of Guarding Vision for details.

4.6 Set Tethering

You can set the device as a hotspot to share network to other terminals.

Steps

1. Tap **Settings** → **Network** → **Network and Internet** → **Hotspot and Tethering** .
2. Select the tethering mode.
 - If you want to share network via Wi-Fi hotspot, tap **Wi-Fi hotspot** to enable the function and set hotspot parameters.
 - If you want to share network via USB data cable, tap to enable **USB tethering**.
 - If you want to share network via bluetooth, tap to enable **Bluetooth tethering**.

4.7 Select Video Platform

You can select the video platform to connect to the device.

Steps

1. Tap **Settings** → **Network** → **Video Platform Management** .
2. Select **Video Platform Type**.

What to do next

Reboot the device to take the settings into effect.

4.8 Set Network SDK

If you want to log in to the device via client, set network SDK.

Steps

1. Tap **Settings** → **Network** → **Network SDK** .
2. Tap **Registration** to enable the function.
3. Set **Communication Port**.

What to do next

Reboot the device to take the settings into effect.

4.9 Set Ping Test

You can check the platform network is normal or not via ping test.

Steps

1. Tap **Settings** → **Network** → **Ping Test** .
2. Enter target host address (IP address or domain name).
3. Tap **START**.
4. Check **Enable Info. Auto Scrolling**.

The information will scroll to display automatically.

Chapter 5 Face Capture and Comparison

The device can capture face picture automatically and upload the picture to face picture comparison server (TDA) to compare. The server will feedback the face picture comparison result to display.

5.1 Set TDA Parameters

The captured face pictures can be uploaded to the face picture comparison server (TDA) to compare. Set the server parameters.

Before You Start

The device has been connected to the network.

Steps

1. Enter **Camera** page, and tap  to set the server parameters..

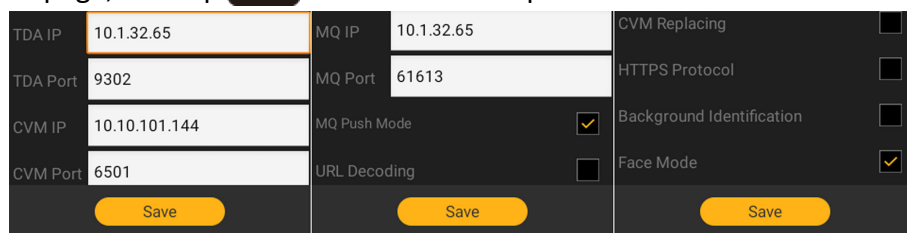


Figure 5-1 Set Server Parameters

2. Set **TDA IP** and **TDA Port**.

- Send TDA information via EHome/ISUP protocol: Set EHome/ISUP platform parameters. Refer to "Connect to EHome/ISUP Platform" for details. Then EHome/ISUP protocol will send **TDA IP** and **TDA Port** automatically.
- Set TDA information manually: Set **TDA IP** and **TDA Port** according to the TDA information in the site.

3. Set other parameters.

- If **CVM Replacing** is checked, you need to set **CVM IP** and **CVM Port**.

Note

If you check **CVM Replacing**, the picture IP address and port will be replaced as set **CVM IP** and **CVM Port** forcibly. It is applicable to multi-domain environment.

- If you want to set TDA information manually, check **MQ Push Mode**, and set **MQ IP** and **MQ Port**.
- If **MQ Push Mode** is checked, you can check **URL Decoding** to decrypt the picture URL.
- Check **HTTPS Protocol** to upload picture via HTTPS protocol.
- Check **Background Identification**. Then even when the screen is locked or the face capture mode is exited, face can also be recognized.

- Check **Face Mode** to enable face picture capture.

4. Tap **Save**.

5.2 Capture Face Picture

You can capture face pictures via the device.

Before You Start



- The device has been connected to the network.
- The device has been connected to TDA. Refer to "Set TDA Parameters".

Steps

1. Enter **Camera** page.
2. Capture face pictures.

Note

The captured pupil distance should be larger than 40 pixels. If capture failed, adjust the distance between the lens and the captured target.

- The device captures the face pictures in the scene automatically, and upload them to TDA. If  appears on the lower right corner of the captured picture on the page right, it means uploading failed. If  appears, it means uploading succeeded.
- When the captured face picture compares with the face picture in the server face picture library, and the similarity reaches the limit, the alarm information will pop up on the page.

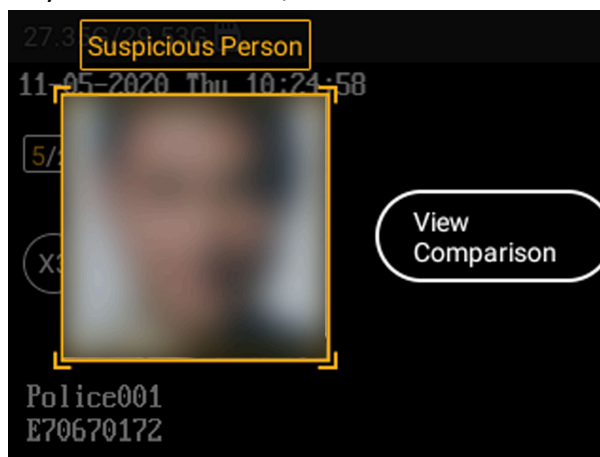


Figure 5-2 Face Picture Comparison Alarm

3. **Optional:** If multiple pictures are captured, swipe the screen from left to right to view more pictures.

5.3 Compare Face Picture

After the captured face picture is uploaded to TDA, the picture will be compared with the pictures in the server face picture library.

Before You Start

- The device has been connected to the network.
- The device has been connected to TDA. Refer to "Set TDA Parameters".

Steps

1. Tap **View Comparison** on the popup alarm information.

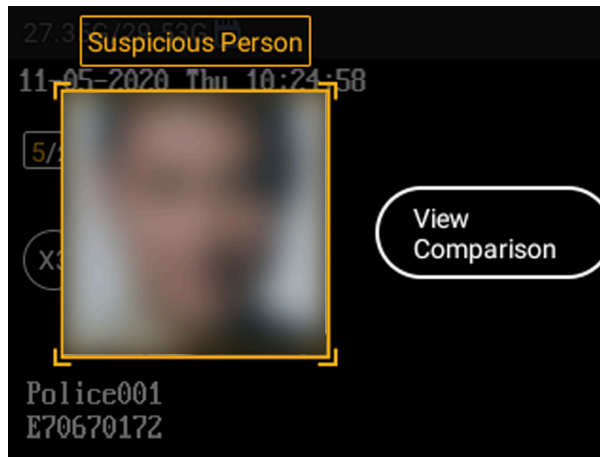


Figure 5-3 Face Picture Comparison Alarm

2. View the comparison result. You can view the target face picture and information in the face picture library, the captured face picture, and the comparison similarity of the captured picture and target picture.

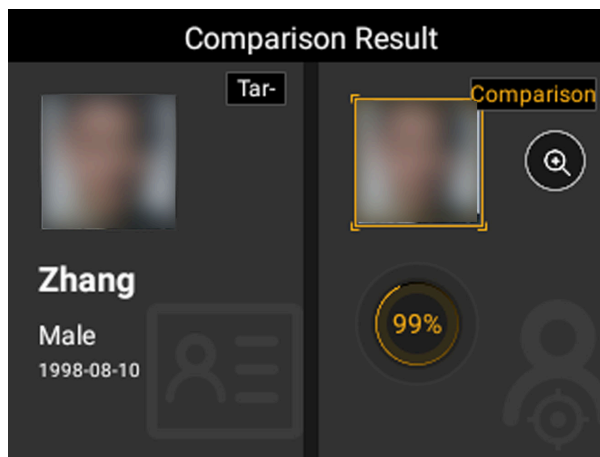


Figure 5-4 Comparison Result

3. **Optional:** Tap  to view the capture scene.

4. **Optional:** Tap the captured face pictures on **Camera** page to view the historical alarm information. Select a picture to view the comparison result.

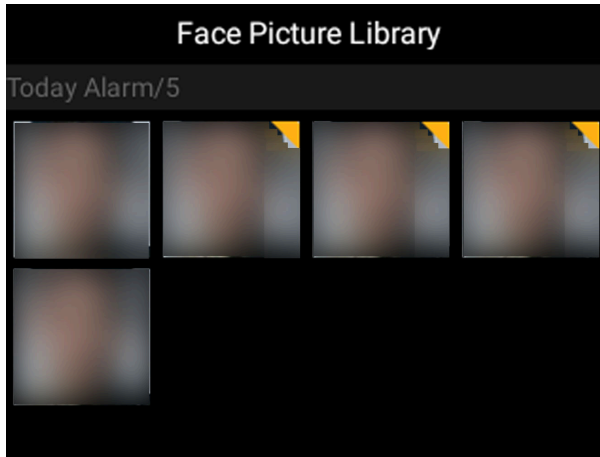


Figure 5-5 Face Picture Library

Chapter 6 Group Intercom

You can realize group intercom via the device.

Before You Start

Register the device on the group intercom service configuration interface.

Steps

1. Tap **Group Intercom** on the main menu.
2. Enter the registered **User ID** and **Password** on the group intercom service configuration interface.
3. Tap **Platform Network Settings** to set the group intercom service network.

Server

The IP address of the server installed with multimedia component.

Port

The communication port. The default port No. is 7128.

4. Tap **Login** on **Group Intercom** page.

After login, you enter **My Group** page. The device will show the channel list which is managed by the central platform automatically.

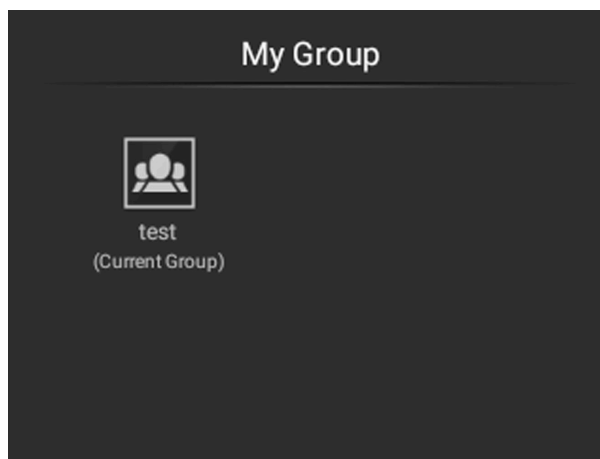




Figure 6-1 My Group

5. After login, you can do the following operations.
 - On **My Group** page, tap  , and you can get group list or exit from group intercom.
 - Hold a certain channel, and select **Set it as the current group.** to set it as the current group. Then hold **PTT** button on the device to send voice intercom request.
 - You can realize half-duplex group intercom between devices.
 - After joining into the group, if the user of one device holds **PTT** button to start speaking, the other members in this group can hear the voice. Release the button after speaking ends.

- Hold a certain channel, and select **View members** to view all the members in this group. Tap  to refresh the member list and status. Select a certain online member, and tap **Voice Call** to send voice call request. After the other side agrees, you can start voice intercom with each other. Tap **End** to end the voice intercom.

Chapter 7 System Settings

7.1 Set Positioning

You can set positioning to locate the position of the device.

Steps

1. Tap **Settings** → **Network** → **Positioning Service** .
2. Enable **Positioning Service**.
3. Select **Mode**.



If you switch the positioning mode, it will take effect after rebooting positioning service.

4. **Optional:** Tap **Settings** → **System** → **GPS Overlay** to enable GPS overlay.
The positioning information will be overlaid on the live view image.

Result

The blue positioning icon appears on the status bar, indicating positioning succeeded.

7.2 Enable Indicator

Enable indicator to indicate the device status.

Steps

1. Tap **Settings** → **System** → **Indicator** .
2. Select **Enable**.



Refer to "Quick Start Guide" for the indicator status and colors.

7.3 Enable IR Light

You can enable IR light to supplement light for record at night or in dim environment.

Steps

1. Tap **Settings** → **System** → **IR Switch** .
2. Select **Disable**, **Enable**, or **Auto** according to the actual needs.

Auto

IR light will be enabled only when the environment is dim and recording or remote live view starts.

Enable

No matter how the environment light is, once you start recording, IR light will be enabled.

7.4 Set Volume

You can adjust the volume of recording, taping, capture, file playback, etc.

Steps

1. Tap **Settings** → **System** → **Volume** .
2. Slide the bar to adjust **Media Volume** and **System Volume**.
 - If you disable **Media Volume**, there is no sound when you play back video and audio.
 - If you disable **System Volume**, there is no sound when you press buttons.

7.5 Set Voice Prompt

You can enable or disable the voice prompt when you record, tape, or set tag.

Steps

1. Tap **Settings** → **System** → **Voice Prompt** .
2. Select **Enable** or **Disable** according to the actual needs.

Result

If you enable voice prompt, when you start or stop recording and taping, or when you start or stop tag, there will be voice prompt.

7.6 Set Airplane Mode

When airplane mode is enabled, dialing, Wi-Fi, and bluetooth will be disabled automatically.

Steps

1. Tap **Settings** → **Network** → **Network and Internet** .
2. Enable or disable **Airplane Mode**.

Note

When the device is accessed via Body Camera Assistant or it is switched to USB mode, airplane mode is enabled automatically. After you exit from Body Camera Assistant or USB mode, airplane mode is disabled automatically.

7.7 Start Recording once Powered up

If you want the device to start recording once it is powered up, you can enable the function.

Steps

1. Tap **Settings** → **System** → **Record once Powered up** .
2. Tap **Enable**.

7.8 Set Encoding Parameters

7.8.1 Set Video Stream Parameters

You can set the video stream parameters when recording.

Steps

1. Tap **Settings** → **Media** → **Video Stream** .
2. Set the parameters.

Resolution

The higher the resolution is, the clearer the image will be. Meanwhile, the network bandwidth requirement is higher.

Scheduled Record Length

The max. recording duration of each video.

Max. Bitrate

Select relatively large bitrate if you need good image quality and effect, but more storage spaces will be consumed. Select relatively small bitrate if storage requirement is in priority.

Video Encoding Type

The device supports multiple video encoding types, such as H.264 and H.265. H.265 is a new encoding technology. Compared with H.264, it reduces the transmission bitrate under the same resolution, frame rate, and image quality.

Video Pack Format

Select **ps**, and the video files will be packed in ps format. You need to use Hikvision player to play the files. Visit Hikvision official website to download VSPlayer and install it.

Select **mp4**, and the video files will be packed in mp4 format. You can play the files via the Windows player or dedicated player. If you use dedicated player, download VSPlayer and install it.

7.8.2 Set Network Stream Parameters

You can set the network stream parameters when previewing the device via platform.

Steps

1. Tap **Settings** → **Media** → **Network Stream** .
2. Set the parameters.

Stream Type

Video stream and video & audio stream are selectable.

Resolution

The higher the resolution is, the clearer the image will be. Meanwhile, the network bandwidth requirement is higher.

Frame Rate

It is to describe the frequency at which the video stream is updated and it is measured by frames per second (fps). A higher frame rate is advantageous when there is movement in the video stream, as it maintains image quality throughout.

Max. Bitrate

Select relatively large bitrate if you need good image quality and effect, but more storage spaces will be consumed. Select relatively small bitrate if storage requirement is in priority.

7.9 Set Camera Parameters

You can set picture auto upload, camera sound, and image resolution.

Before You Start

If you want to upload the captured pictures to the platform, connect the device to the platform first. Refer to "Connect to Platform" for details.

Steps

1. Tap **Settings** → **Media** → **Camera** .
2. **Optional:** Check **Picture Auto Upload**.

The captured pictures will be uploaded to the platform automatically.

3. **Optional:** Check **Enable Camera Sound**.
4. Set **Image Resolution**.

7.10 Set OSD

You can set the overlay information on the videos and pictures uploaded to the platform.

Steps

1. Tap **Settings** → **Media** → **OSD** .
2. Set **Device Name Content** and **Camera Name**.



Note

The device name is only used for the platform background.

3. Tap **OK**.

Result

The camera name will be overlaid on the videos and pictures uploaded to the platform.

7.11 Set Pre-Record

You can set the time to record before the recording start time.

Steps

1. Tap **Settings** → **System** → **Pre-record** .
2. Select the pre-record duration.



If you have disabled pre-record before, and then enable pre-record, you need to reboot the device to take the new settings into effect.

7.12 Set Post-Record

You can set the time to record after the recording end time.

Steps

1. Tap **Settings** → **System** → **Post-record** .
2. Select the post-record duration.

7.13 Set Overwritten Record

You can enable overwritten record to keep recording when the available memory is insufficient, and the former recorded videos will be overwritten.

Steps



- If you enable overwritten record, back up the important data in time, or they will be overwritten.
 - If you disable overwritten record, enable auto alarm. When the device alarms that the storage is full, format storage media or remove some files.
-

1. Tap **Settings** → **System** → **Overwritten Record** .
 2. Select **Enable**.
-



The tagged videos will not be overwritten.

7.14 Set Quick Charging Mode

Tap **Settings** → **System** → **Quick Charging Mode** to enable or disable the function. It is disabled by default. In quick charging mode, all the power consuming functions, such as network, record, positioning, etc., will be disabled automatically.

7.15 Switch USB Mode

You can switch the device to USB mode to import or export data.

Before You Start

Connect the device to the computer via data cable.

Steps

1. Tap **Settings** → **Device** → **USB Flash Drive Mode** .
2. Tap **Enable USB Flash Drive Mode**.

7.16 Set USB Debug

If you want to view the debug log, enable USB debug mode.

Steps

1. Tap **Settings** → **System** → **USB Debug** .
2. Select **Enable** or **Disable**.

7.17 Set Read-Only USB Mode

After switching to the USB mode, you can set the video, audio, and picture files to be copied to the computer only, but cannot be deleted locally.

Steps

1. Tap **Settings** → **System** → **USB Device Read-Only** .
2. Select **Enable** or **Disable**.

Enable

After switching to the USB mode, the video, audio, and picture files can only be copied to the computer, but cannot be deleted locally.

Disable

After switching to USB mode, the video, audio, and picture files can both be copied or cut.

7.18 Set System Language

You can select system language.

Steps

1. Tap **Settings** → **System** → **Language** .
2. Select language according to your needs.

Chapter 8 Alarm Settings

8.1 Set Auto Alarm

Enable auto alarm, and alarm will be triggered when the device storage capacity is full or the battery power is low.

Steps

1. Tap **Settings** → **System** → **Alarm Switch** .
2. Select **Enable**.

Result

Voice alarm will prompt when the device storage capacity is full or the battery power is low.

8.2 Set Manual Alarm

In emergency, hold the alarm button on the device side to send the alarm signal to the connected platform.

Note

Connect the device to the platform first. Then the alarm signal can be sent.

Chapter 9 Maintenance

9.1 View Device Information

Tap **Settings** → **Device** → **Device Information** to view device information such as model, serial No., software version, etc.

9.2 Export Battery Status Information

You can export the battery status information to the local storage.

Steps

1. Tap **Settings** → **Device** → **Export Battery Info**.
2. Tap **EXPORT** to export the battery status information.

Result

The "batteryTrack.xls" file will be generated in the root directory of internal SD card.

9.3 Enable Password

You can enable password verification when playing back files and entering some configuration pages (such as restoring device settings). Only after you enter the correct password, you can get the permission to do the next operation.

Steps



Note

It is recommended to enable password for data security.

1. Tap **Settings** → **System** → **Password** .
2. Tap **Enable Password**.
3. Enter the device password and tap **OK** to enable the function.

9.4 Edit Password

It is recommended to edit device password regularly to raise data security.

Steps

1. Tap **Settings** → **System** → **Password** .
2. Tap **Change Password**.
3. Enter old password and new password, and confirm the new password.
4. Tap **OK**.



Next time you log in to the device, use the new password.

9.5 Upgrade

You can upgrade the device version.

Before You Start

- Import the upgrade file to the device.
- Ensure the device battery power is larger than 20%.

Steps

1. Tap **Settings** → **Device** → **System Upgrade** .
2. Tap **SELECT UPGRADE PACKAGE**.
3. Select the upgrade file from the saved path.
4. Tap **INSTALL NOW**.

Result

The device starts to upgrade, and will reboot after the upgrade completes.

9.6 Export Log

You can export log to the local storage.

Steps

1. Tap **Settings** → **Device** → **Export Log** .
2. Select the folder to save the log, and tap **EXPORT**.
3. Tap **EXPORT** on the popup message box.

Result

Log will be exported to the selected folder, and is named as "error_date_log.zip", such as "error_20191219_log.zip".

9.7 Synchronize Time Automatically

You can set auto time synchronization when the device time is not accurate.

Steps

1. Tap **Settings** → **Device** → **Date and Time** .
2. Tap **Auto Date & Time**.
3. Select auto time synchronization mode.
 - Select **Use Network** if the device connects to internet via dialing.

- Select **Use GPS** if the device has been enabled GPS.

9.8 Restore Device Settings

If there is device exception due to the wrong set parameters, you can restore the device settings.

Steps


1. Tap **Settings → Device → Param Reset** .
2. Select the restoration mode.
 - Tap **Restore Factory**, and tap **OK** to restore all the parameters to factory settings.
 - Tap **Restore Defaults**, and tap **OK** to restore the parameters except network parameters, bluetooth, device password, etc. to factory settings.

9.9 Shut down and Sleep


9.9.1 Shut down

After the device starts up, hold  on the device side to shut it down.

9.9.2 Shut down Forcedly

If the device cannot be shut down normally, you can hold  on the device side for 15 seconds to shut it down forcedly.

9.9.3 Sleep Manually

After the device starts up, press  on the device side to sleep the device.

9.9.4 Sleep Automatically

You can set the device to sleep automatically to save power if there is no operation within a certain time.

Steps

1. Tap **Settings → System → Sleeping** .
2. Select time.



Note

If you select **N.O.**, the screen will always on no matter if there is operation or not.

Result

If no operation is done within the set time, the device will sleep automatically.

9.9.5 Wake up

When the device is sleeping, you can press any button on both the device sides to wake it up.

9.10 Install Software

The device is embedded with Android system. You can install related application software on the device.

Before You Start

Save the apk file of the software in the local storage.

Steps

1. Tap **Settings → Device → Software Installation** .
2. Select the software apk file, and operate according to the prompt.

9.11 View Application

You can view the information of the applications installed on the device.

Steps

1. Tap **Settings → Device → Application** .
2. Tap the application to view the information.

Appendix A. Communication Matrix and Device Command

Scan the QR code below to get the communication matrix of the device.



Scan the QR code below to get the device command.





See Far, Go Further