

Body Camera

User Manual

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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 of this Manual at the Hikvision website (https://www.hikvision.com/).

Please use this Manual with the guidance and assistance of professionals trained in supporting the Product.

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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.

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.

This equipment should be installed and operated with a minimum distance 20cm between the radiator and your body.

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



2014/53./EU, the EMC Directive 2014/30/EU, the LVD Directive 2014/35/EU, the RoHS Directive 2011/65/EU.

the applicable harmonized European standards listed under the Radio Equipment Directive



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: <u>www.recyclethis.info</u>.



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
- 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

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.

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.
- DO NOT directly touch exposed contacts and components once the device is powered up to avoid electric shock.
- 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.
- DO NOT block the power supply equipment to plug and unplug conveniently.
- Make sure the power supply has been disconnected if the power adapter is idle.
- Make sure the device is connected to the ground firmly.

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.
- Avoid lightning strike for device installation. Install a lightning arrester if necessary.
- Keep the device away from magnetic interference.
- Avoid device installation on vibratory surface or places, and avoid equipment installation on vibratory surface or places subject to shock (ignorance 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.
- The device can only be safely used in the region below 2000 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 is abnormal, contact the store you purchased it or the nearest service center. DO NOT disassemble or modify the device in any way (For the problems caused by unauthorized modification or maintenance, the company shall not take any responsibility).
- Keep all wrappers after unpacking them for future use. In case of any failure occurred, you need to return the device to the factory with the original wrapper. Transportation without the original wrapper 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. Please contact us when the device might exist network security risks.
- 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 throw the battery in fire or water, or it may cause explosion.
- 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.

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 Light Supplement function, make sure no human or inflammable substances are in front of the laser lens.

Symbol Conventions

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

Symbol	Description
	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.

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Chapter 1 Introduction

Purpose:

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

1.1 Key Feature

- H.264/H.265 encoding technology.
- High recording resolution.
- Wide-range lens.
- Dismountable battery design.
- A built-in small battery will supply body camera power when replacing the battery.
- Denoising technology helps to reduce noise and resist echo.
- Built-in GPS module.
- Light weight.
- Small size.
- IP65.
- Dock station can upgrade and distribute user accounts to body camera.

1.2 Package List

Following objects are delivered with package list. 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 × Printed quick start guide.

1.3 Buttons and Interfaces

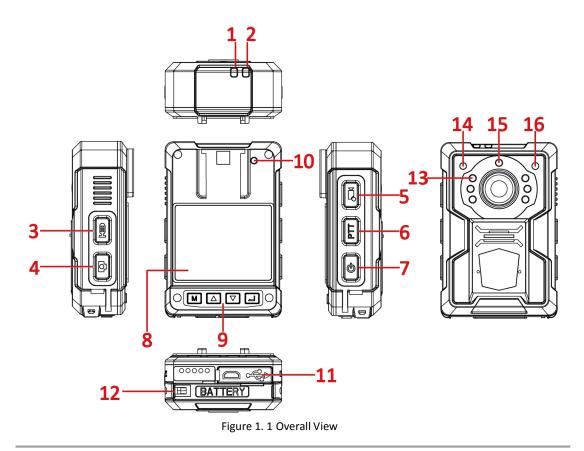


Table 1.	1 Button	Description
TUDIC 1.	T Dutton	Description

No.	Button	Description	
1	LED 1	• When body camera is being charged, it is solid red.	
		• 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	When body camera is starting up, it is solid green.	
3	Taping	• Press it to start/stop taping.	
		• Hold it for 3 seconds to turn on/off fluorescent.	
4	Capture	Press it to capture current live view image.	
5	Recording	Press it to start/stop recording.	
		• Hold it for 3 seconds to turn on IR positioning light.	
		• Hold it for 2 seconds to start up body camera and start recording.	
6	РТТ	Group intercom button.	
7	Sleep/Wake	• When device is off, hold it for 3 seconds to start up.	
		• When device is on, hold it for 3 seconds to shut down.	
		• After device started up, press it to inactivate/activate LCD.	
8	LCD	It displays local menu and live view image.	
9	Menu button	M:	
		• In LCD live view mode, press it to enter main menu.	

No.	Button	Description	
		• In LCD menu, press it to exit.	
		Δ/∇ :	
		• In LCD menu, press it to navigate between fields and items in menus.	
		$ullet$ In LCD playback mode, press $\Delta/ abla$ to speed up/slow down	
		playback speed.	
		• In LCD live view mode, press $\Delta / abla$ to zoom in/out.	
		 :	
		• In LCD menu, press it to enter a sub-menu or confirm a selection.	
		• When device is recording, hold it for 3 seconds to set a video tag.	
10	Reset button	Press it to shut down body camera forcedly.	
11	USB interface	USB interface for charging and data transmission.	
	Serial port	Serial port for debugging.	
12	Battery	Battery slot.	
13	IR Light	You can turn on the IR lights to supply body camera sufficient light to get a	
		visible image.	
14	White light	Supplies light at dark environment.	
15	Image sensor	Image sensor.	
16	IR positioning light	IR positioning light.	

Shoulder Clip Installation 1.4

Purpose:

The shoulder clip helps you to fix the body camera on your garment. The vertical adjustable angle is 360°. Step:

Push the shoulder clip into top of the clip slot as the direction shown in the following figure, till the clip is tightly fixed.



Figure 1. 2 Install Shoulder Clip

Charging 1.5

1.5.1 How to Charge

Purpose:

Follow the steps to charge device.

Steps:

- 1. Open the cover of USB interface.
- 2. Connect body camera to the charger or USB port of computer with the USB data cable. The LCD will show the charging status.

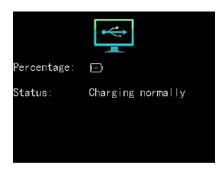


Figure 1. 3 Charging via Computer

1.5.2 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.
- Don't pull out charger from power supply by pulling the USB data cable.

Chapter 2 Startup

2.1 Startup

Before you start:

Ensure the power is sufficient. If not, charge body camera. For details, refer to 1.5.1 How to Charge. **Step:**

Hold **Sleep/Wake** for 3 seconds. Then the LED 2 turns green, the *HIKVISION* logo pops up, and you will hear an audible notification. All of these indicate the body camera starts successfully.

2.2 Sleep/Wakeup

Step:

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 **Sleep/Wakeup** button to inactive LCD.

2.3 Shutdown

Step:

Hold **Sleep/Wake** for 3 seconds. When you hear an audible notification, and the *HIKVISION* logo pops up on the LCD, the LCD shut down successfully.

2.4 Force to Shutdown

Step:

If body camera crashed or it cannot be shut down normally, you can press the **Reset** button with a pin or similar thin object to shutdown forcedly.

2.5 Login

If login feature is on, you need to log into device by entering your ID at every boot. You can go to System Settings > Login to turn off login feature.

Step:

- 1. Select the user to log in.
- 2. Enter your ID and confirm. When operating files via assistant or in USB mode, the ID will show in the file name of the recorded video, audio, and picture.

	Input ID	
1	2	3
4	5	6
7	8	9
0		ل <u>م</u>

Figure 2. 1 Login

Chapter 3 Basic Functions

3.1 Live View Icons

Purpose:

Once the body camera starts up completely, it automatically enters the live view image. 11 icons are shown in live view.

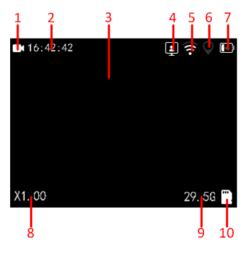


Figure 3. 1 Live View Icons

Number	Name	Description
1	Recording status	Shows the recording status.
		• Not recording:
		Recording:
2	Remaining recording time	The time is variable and is decided by video resolution,
		frame rate, and bitrate.
3	OSD (On Screen Display) menu	Shows the device date and time.
4	Platform status	Shows whether device is connected with platform.
		• Disconnected:
		• Connected:
5	Wi-Fi status	Shows whether Wi-Fi is connected.
		Disconnected:
		Connected:
6	Positioning status	Shows whether positioning is successful.
		Unsuccessful:
		Succeeded:

Number	Name	Description	
		GPS module failed:	
7	Battery information	Shows the remaining battery and charging status.	
8	Zoom status	Shows the zoom status.	
9	Remaining memory capacity	Shows the remaining memory capacity	
10	Memory card status	Shows whether memory is recognized.	

3.2 Menu Operation

Before you start:

Wake up LCD.

Steps:

- 1. Press M to bring up main menu.
- 2. Press to enter the four sub-menus, including Playback, Camera Settings, Network Settings, and System Settings.

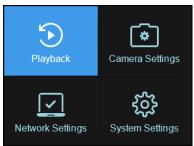


Figure 3. 2 Main Menu

Table 3.	2	Sub-Menu	Description
----------	---	----------	-------------

Menu	Description	
Playback	You can view recorded videos, pictures, and audios.	
Camera Settings	You can set camera parameters including video resolution, bitrate, frame	
	rate, pre-record time, post-record time, video clip time, and picture quality.	
Network Settings	You can turn on/off Wi-Fi and set network transmission resolution,	
	network transmission bitrate, network transmission frame rate, and	
	platform connection.	
System Settings	You can set positioning parameters, time synchronization, system sound,	
	language, and so on.	

3.3 Taking Pictures

Purpose:

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

Step:

1. To set picture quality, do following steps:

- 1) Enter Camera Settings sub-menu.
- 2) Press Δ/∇ to position the cursor on **Picture Quality**. And click to enter Picture Quality menu.
- 3) Press Δ/∇ to select picture quality. And click \square to save the settings.
- 2. Press at the left side of device to take a picture of current live view image.

```
NOTE
```

- Step 2 is invalid in playback, quick charging, 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.
- You can play back the picture in playback menu or download and save it in computer local path. For detailed steps of downloading pictures, you can refer to 7.7 Assistant File Saving Path.

3.4 Record and Capture

Purpose:

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

Steps:

- 1. Enter live view mode.
- 2. Press **I** to start recording. Then **I** in live view turns to **I** and the LED 1 starts flashing in red.
- 3. Optionally, during the recording process, you can press to capture current live view image.
- 4. Press A again to stop recording. Then I turns to I.

NOTE

- The operation is invalid in playback, quick charging, USB communication interface. Exit the interfaces before operation.
- The video is saved in memory in .mp4 format and named by recording starting time.
- The picture is saved in memory in .jpg format and is named by capturing date and time.
- The captured picture's resolution is the same as video resolution.
- You can play back the video and picture in playback menu or download and save it in computer local path. For detailed steps of downloading videos, you can refer to 7.7 Assistant File Saving Path.

3.5 Taping

Purpose:

You can tape audios in crime scenes or other situations.

Steps:

- 1. Enter live view mode.
- 2. Press to start taping. Then D pops up in live view interface.
- 3. Press 🗳 again to stop taping. Then 💟 disappears.



- The operation is invalid in playback, quick charging, USB communication interface. Exit the interfaces before operation.
- The audio file is saved in memory in .WAV format and is named by taping starting time.
- You can play back the audio in playback menu or download and save it in computer local path. For detailed steps of downloading audios, you can refer to 7.7 Assistant File Saving Path.

3.6 Playback

Purpose:

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

Steps:

- 1. Enter Playback interface.
 - Main Menu > Playback
- 2. If Verify function is on, you need to enter device password to get permission.

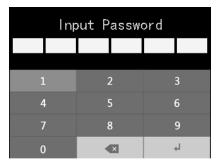


Figure 3. 3 Input Password

3. Press Δ/∇ to select the playback file type as **Video**, **Picture**, or **Audio**. And press - to enter selected type menu.



Figure 3. 4 File Type

- 4. File Type
- 5. In file list, press Δ/∇ to select the file to play back.
 - During video playback process, you can press Δ/∇ to speed up/slow down the playback speed. And you can press - to pause/resume playback process.
 - During picture playback process, you can press Δ/∇ to turn to previous/next picture.
- 6. Press **____** to start playback.
- 7. Press M to exit playback.

3.7 Memory Full Alarm

Purpose:

If memory is full, when you start recording, taping, capture, or other function consumes storage, the following phenomena will show: the message "Memory is full." pops up in LCD, body camera sends out an alarm audio, and LED 1 starts flickering. To save new files, you need to backup device first and clear memory.



Memory full alarm is on by default and cannot be turned off.

Chapter 4 Network Settings

4.1 Wi-Fi

Purpose:

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



The function is only available to the models supporting Wi-Fi.

Before you start:

Configure Wi-Fi parameters, including SSID and key, in body camera assistant. For detailed steps, refer to 7.5.4 *Wi-Fi Parameters*.

Steps:

- To turn on Wi-Fi on LCD menu, do following steps:
- 1. Enter Network Settings interface.

Main Menu > Network Settings

2. Press Δ/∇ to position the cursor on **Wi-Fi** item. And press - to enter Wi-Fi menu.



Figure 4. 1 Wi-Fi Settings

- 3. Press Δ/∇ to select Wi-Fi as **On**.
- 4. Press to save the settings.
- 5. When the prompt "Reboot device to take effect." pops up, select **OK** and press to reboot body camera.
- 6. You can view the Wi-Fi Status, SSID, and IP in Wi-Fi Information menu.

Main Menu > Network Settings > Wi-Fi Information



Figure 4. 2 Wi-Fi Information

• To turn on Wi-Fi on Body Camera Assistant.

For detailed steps, refer to 7.5.4 Wi-Fi Parameters.

4.2 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.

Steps:

1. Enter Network Settings interface.

Main Menu > Network Settings

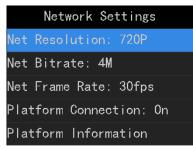


Figure 4. 3 Network Settings

- 2. Press Δ/∇ to position the cursor on Net Resolution, Net Bitrate, or Net Frame Rate. And press to enter corresponding menu.
- 3. Press Δ/∇ to select target parameter.
- 4. Press to save the settings.

Chapter 5 Camera Settings

Purpose:

Set the parameters for video, including resolution, frame rate, bitrate, and so on.

Steps:

- To configure camera parameters on LCD menu, do following steps:
- Enter Camera Settings interface.
 Main Menu > Camera Settings

Camera Settings
Video Resolution: 1080P
Bitrate: 4M
Frame Rate: 30fps
Pre-Record: Off
Post-Record: Off

Figure 5. 1 Camera Settings

- 2. Press △/▼ to position the cursor on **Video Resolution**, **Bitrate**, **Frame Rate**, **Pre-Record**, **Post-Record**, or other items. And press the **____** button 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.
- 3. Press Δ/∇ to select target parameter.
- 4. Press to save the settings and go back to upper menu.
- 5. Optionally, if encoding type is changed, reboot body camera to take effect the new settings.
- To configure camera parameters on Body Camera Assistant.

For detailed steps, refer to 7.5.2 Encoding Parameters.

Chapter 6 System Settings

To enter System Settings menu, do following step:

Press Δ/∇ to position the cursor on **System Settings** menu. And press - to enter System Settings menu.

6.1 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 tone. By default it is on.

Steps:

- 1. Enter System Settings menu.
- 2. Press Δ/∇ to position the cursor on **Sound**. And press to enter.
- 3. Press Δ/∇ to select Sound as **On** or **Off**. And press \leftarrow to save the settings.

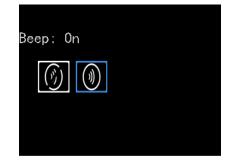


Figure 6. 1 Sound

6.2 Turning on/off LED

Purpose:

Turn on or turn off the LEDs. If LEDs are on, they will be automatically turned on or off according to device status. For details of LED status, you can refer to *1.3 Buttons and Interfaces*.

Steps:

- 1. Enter System Settings menu.
- 2. Press Δ/∇ to position the cursor on LED. And press to enter LED settings menu.
- 3. Press Δ/∇ to select LED as **On** or **Off**. And press to save the settings.

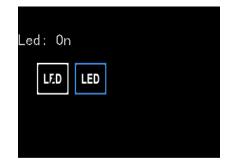


Figure 6. 2 LED

6.3 Language Settings

Purpose:

Two languages are provided: Chinese and English.

Steps:

- 1. Enter System Settings menu.
- 2. Press Δ/∇ to position the cursor on Language. And press to enter Language settings menu.
- 3. Press Δ/∇ to select language as Chinese or English. And press button to save the settings.



Figure 6. 3 Language

6.4 Turning on/off IR Lights

Purpose:

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

Steps:

- Enter System Settings sub-menu. Main Menu > System Settings
- 2. Press Δ/∇ to position the cursor on IR Light item. And press to enter.

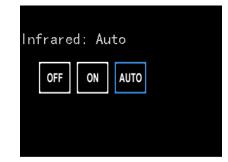


Figure 6. 4 IR Light

- 3. Press Δ/∇ to position the cursor on OFF, ON, or AUTO.
 - **OFF**: By default, IR light is off. The status adapts to daylight period.
 - 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 environment.
- 4. Press **____** to save the settings.

6.5 Positioning Settings

Purpose:

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



The function is only available to the models supporting positioning.

Before you start:

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

Steps:

- 1. Enter System Settings interface.
- 2. Press Δ/∇ to position the cursor on **Positioning** item. And press to enter.
- 3. Press Δ/∇ to select positioning type as Off, GPS, BeiDou, or GPS + BeiDou.
- 4. Press to save the settings and reboot device to take effect the settings.

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



Figure 6. 5 Positioning

6.6 Login Settings

Purpose:

If login feature is on, you need to log into device by entering your ID at every boot. The ID will show in the file name of the recorded video.

Go to **System > Login** to turn on/off login feature.

6.7 System Information

Purpose:

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

Steps:

1. Enter System Settings interface.

```
2. Press \Delta/\nabla to position the cursor on System Information item. And press - to enter.
```

6.8 Battery Information

Purpose:

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

Steps:

- 1. Enter System Settings interface.
- 2. Press Δ/∇ to position the cursor on System Information item. And press to enter.



Figure 6. 6 Battery Information

6.9 User Information

After connecting body camera to dock station, dock station will distribute accounts to body camera. You can select user accounts displayed in the bottom left of the body camera LCD. Up to 20 accounts of common user can be displayed.

Chapter 7 Body Camera Assistant

Purpose:

Log in to body camera via the Body Camera Assistant (hereinafter referred to as Assistant) to view logs, videos, audios, and pictures, and configure parameters remotely.



Get Assistant from the official website (http://overseas.hikvision.com/en/).

7.1 Assistant Installation



Installation package includes *BodyCameraAssistant-win32.exe* and *BodyCameraAssistant-win64.exe*. Select installation package according to your computer system type.

Steps:

1. Double-click the installation package to start installing.

Setup - BodyCameraAssistant		
	Click Next to continue, or Cancel to exit Setup.	
	Next >	Cancel



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

Setup - BodyCameraAssistant	
Select Destination Location Where should BodyCameraAssistant be installed?	
Setup will install BodyCameraAssistant into the following folder.	
To continue, click Next. If you would like to select a different folder, clic	k Browse.
C:\Program Files\BodyCameraAssistant	Browse
At least 16.5 MB of free disk space is required.	
< Back Next >	Cancel

Figure 7. 2 Destination Location

3. Click Next to enter Select Start Menu Folder window. Optionally, you can edit the shortcut name and click

Browser to select the folder where to create shortcut.

Setup - BodyCameraAssistant
Select Start Menu Folder Where should Setup place the program's shortcuts?
Setup will create the program's shortcuts in the following Start Menu folder.
To continue, click Next. If you would like to select a different folder, click Browse.
BodyCameraAssistant Browse
< Back Next > Cancel

Figure 7. 3 Start Menu Folder

4. Click **Next** to enter Select Additional Tasks window. Optionally, you can create a desktop icon by checking

the checkbox of Create a desktop icon.

etup - BodyCameraAssistant	
Select Additional Tasks Which additional tasks should be performed?	
Select the additional tasks you would like Setup to perform while installing BodyCameraAssistant, then click Next. Additional icons: Create a desktop icon	
< Back Next >	Cancel

Figure 7. 4 Additional Tasks

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

Ready to Install Setup is now ready to begin ins	talling BodyCameraAssist	ant on your computer.	P 7
Click Install to continue with the change any settings.	e installation, or click Back	if you want to review o	r
Destination location: d:\Program Files\BodyCar Start Menu folder: BodyCameraAssistant	neraAssistant		*
4		4	Ŧ

Figure 7. 5 Ready to Install

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

Device Driver Installation Wizard				
	Welcome to the Device Driver Installation Wizard! This wizard helps you install the software drivers that some computers devices need in order to work.			
	< Back Next > Cancel			

Figure 7. 6 Device Driver Installation Wizard

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

Device Driver Installation Wizard				
	Completing the Device Driver Installation Wizard			
	The drivers were successfully in	stalled on this computer.		
	You can now connect your devi came with instructions, please re	ice to this computer. If your device and them first.		
	Driver Name	Status		
	✓ libusb-win32 Hikvision U	Ready to use		
	< Back	Finish Cancel		

Figure 7. 7 Device Driver Installation Wizard

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

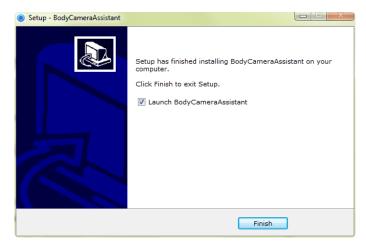


Figure 7.8 Finish

9. Then the body camera assistant window appears.

Login - Body Camera Assistant	×
Recognize device Hangzhou Hikvision Digital Technology Co., Ltd. All Rights Reserved.	

Figure 7. 9 Body Camera Assistant

7.2 Device Login

Purpose:

You need to connect the assistant with body camera.

Before you start:

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

Steps:

- 1. Run the assistant.
- 2. Click **Recognize device** button to start recognizing. Then the recognized device will be listed.



Figure 7. 10 Recognized Device

3. Click the recognized device, input device password, and then click Login to log in. Then the assistant

window shows. If you forget the password, refer to 7.3 Password Recovery to recover password.

⊽ 5	556677884	Media Information Device Configuration	Log Information	Switch USB Node 🛃 🍈 🗧 🗆 🗙
Time: 2	017-03-06 00:00:00	= 2017-03-06 23:59:59	1	Search
	All V	'ideo Audio Picture		Select All DownLoad
	2017-03-03 F	'ile Num:1		\odot
	5 2017-03	3-03 10:20:14 20170303102014MEDIA JPG		
	2017-03-02 F	ile Bun:20		\odot
	∩ 2017-03	3-02 17:46:43 20170302174643WEDIA WAV		
	₼ 2017-03	3-02 17:46:38 20170302174638MEDIA.WAV		
	2017-03	0-02 17:45:40 20170302174540MEDIA. JPG		
		9-02 17:45:38 20170302174538MEDIA.JPG		
	~	9-02 17:45:33 20170302174533WEDIA NP4		
	~	3-02 17:44:12 20170302174412MEDIA MP4		
		8-02 15:32:04 20170302153204MEDIA JPG		
		3-02 15:32:02 20170302153202MEDIA JPG		
		3-02 15:31:43 20170302153143MEDIA.JPG		
		3-02 15:18:05 20170302151805MEDIA. JPG		
		3-02 15:18:03 20170302151803MEDIA JPG		
	0	3-02 11:02:06 20170302110206MEDIA.NP4		
	-	3-02 10:32:27 20170302103227MEDIA.mp4		
	-	3-02 10:31:54 20170302103154MEDIA.mp4		
		3-02 10:31:25 20170302103125MEDIA.mp4		
		8-02 10:30:18 20170302103018MEDIA.mp4		
	~	9-02 10:28:58 20170302102850MEDIA.mp4		
		-uz 10.20.14 20110302102814MEDIA mp4		

Figure 7. 11 Body Camera Assistant

7.3 Password Recovery

Purpose:

If you forgot your device password, you can recover it back to default password.

Steps:

1. Enter device login window.

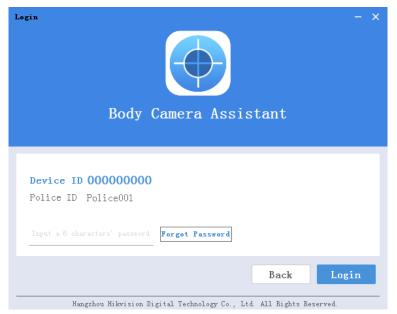


Figure 7. 12 Login Window

- 2. Click Forget Password.
- 3. Click File Export to export file DeviceKey.xml.
- 4. Send the file to your manufacturer. They will send you an encryption file.

- 5. Click to import the encryption file received in step 4.
- 6. Click **Verifying Encryption** to start verifying. If verifying succeeded, device password will be recovered to default.

< Back - ×
Body Camera Assistant
Device ID 00000000
Police ID Police001
First: Sending the DeviceKey.xml file has exported to manufacturer to get the encryption file.
File Export
Second: By importing the encryption file Encrypt.xml gotten from manufacturer, you can restore the default password.
File Import:
Verifying Encryption
Hangzhou Hikvision Digital Technology Co., Ltd. All Rights Reserved.

Figure 7. 13 Password Recovery

7.4 Media Information

Purpose:

Two methods are provided for you to operate files saved in body camera: operating files via logging in assistant and switching device into USB mode.

7.4.1 File Operation via Assistant

Purpose:

You can download or clear files here.

Steps:

- 1. Log in device via assistant.
- 2. Click the **Media Information** tab.

	556677884			
Time:	2017-03-06 00:00	0:00 😑 - 2017-03-06 23:59:59	8	Search
	All	Video Audio Picture		Select All DownLoad
	2017-03-03	File Num:1		\odot
	201	7-03-03 10:20:14 20170303102014MEDIA JPG		
	2017-03-02	File Num:20		\odot
E	201	7-03-02 17:46:43 20170302174643MEDIA. WAV		
E	201	7-03-02 17:46:38 20170302174638MEDIA. WAV		
E	201	7-03-02 17:45:40 20170302174540MEDIA.JPG		
	201	7-03-02 17:45:38 20170302174538MEDIA JPG		
) (þ. 201	7-03-02 17:45:33 20170302174533MEDIA.MP4		
E) (þ) 201	7-03-02 17:44:12 20170302174412MEDIA.MP4		
	201	7-03-02 15:32:04 20170302153204MEDIA JPG		
	201	7-03-02 15:32:02 20170302153202MEDIA JPG		
	201	7-03-02 15:31:43 20170302153143MEDIA JPG		
	201	7-03-02 15:18:05 20170302151805MEDIA JPG		
	201	7-03-02 15:18:03 20170302151803MEDIA JPG		
	> 201	7-03-02 11:02:06 20170302110206MEDIA MP4		
	> 201	7-03-02 10:32:27 20170302103227MEDIA.mp4		
) (þ) 201	7-03-02 10:31:54 20170302103154MEDIA.mp4		
E) (b) 201	7-03-02 10:31:25 20170302103125MEDIA.mp4		
E	> 201	7-03-02 10:30:18 20170302103018MEDIA.mp4		
	> 201	7-03-02 10:28:58 20170302102858MEDIA.mp4		
E	> 201	7-03-02 10:28:14 20170302102814MEDIA.mp4		

Figure 7. 14 Media Information

- 3. Click All, Video, Audio, or Picture tab to select which file type you want to view.
- 4. Check the checkboxes of files you want to download.
- 5. Click DownLoad to enter File Download window.

File DownLoad			
File Selected:			前 Clear
20170303102014MEDIA. JPG	×		
Local File Saving Path C:			
		ОК	Cancel

Figure 7. 15 File Download

- 6. Click to select Local File Saving Path.
- 7. Click **OK** to start downloading.
- 8. Optionally, you can click 본 in upper right corner to view downloading status.

No.	File	DownLoad Process Operation	
07	∩ 20140102194246MEDIA0005. AAC	Downloading failed. Re-Downloa	d X
15	∩ 20140102194246MEDIA0005. AAC	Downloading failed. Re-Downloa	d X
18	D 20140102194124MEDIA0002. MP4	Downloading *** Please w	
19	D 20140102194025MEDIA0001. MP4	Downloading	×

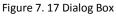
Figure 7. 16 Downloading Status

7.4.2 File Operation in USB Mode

Steps:

- 1. Log in device via assistant.
- 2. Click the Switch USB Mode icon in top right corner of assistant window.
- 3. Click **OK** to confirm in the pop up dialog box. Then the assistant will exit.





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



Figure 7. 18 Devices with Removable Storage

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

7.5 Device Configuration

7.5.1 User Information Settings

Purpose:

You can customize the police ID and device ID.

Steps:

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

⊽ 00000000	Media Information	Device Configuration	Log Information
Device Information	User	Information	
Time Settings		Police ID: Device ID:	00000000

Figure 7. 19 User Information

2. You can edit the **Police ID** and **Device ID**.



- Device ID cannot be longer than 32 characters.
- Police ID cannot be longer than 10 characters.
- 3. Click Save to save the settings.

7.5.2 Encoding Parameters

Purpose:

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

Steps:

- 1. Click the **Device Configuration** tab, and click **Device Information** item in the left menu.
- 2. Select Video Res.@Frame Rate, Net Transfer Res.@Frame Rate, Bitrate, and Net Transfer Bitrate from respective drop-down list.
- 3. Click **Save** to save the settings.

⊽ 00000000 Media In	nformation Device Configuration	Log Information
Device Information	User Information	
	Police ID:	Police001
Time Settings	Device ID:	00000000
	Parameters	
Network Settings	Video Res.@Frame Rate:	1080p@30 ~
Consulta Continues	Net Transfer Res.@Frame Rate:	D1030 -
Security Settings	Bitrate:	6M ~
Platform Settings	Net Transfer Bitrate:	IM
		Save

Figure 7. 20 Encoding Parameters

7.5.3 Time Synchronization

Purpose:

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

Steps:

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

⊽ 000000000 Media In	formation Device Configurati	on Log Information	
Device Information	Time Synchrony		
	Device Time:	2016/02/16 13:53:48	lennel
Time Settings	Time Zone:	(UTC+08:00)	•
Network Settings		Auto Time Synchrony	💿 Manual Time Synchrony
Security Settings		Save	

Figure 7. 21 Time Settings

- 2. You can select time synchronization type as **Auto Time Synchrony** or **Manual Time Synchrony** by checking corresponding checkbox.
 - Auto Time Synchrony: If selected, Device Time isn't configurable. Assistant will synchronize the device time with your computer time.
 - Manual Time Synchrony: If selected, you can synchronize device time according your custom time.
- 3. If Manual Time Synchrony is selected, select the Device Time and Time Zone according to your needs.
- 4. Click Save to save the settings.

7.5.4 Wi-Fi Parameters

Purpose:

You can access internet by connecting to a Wi-Fi. Wi-Fi parameters can only be configured in assistant.

Steps:

- 1. Click the Device Configuration tab, and click Network Settings item in the left menu list.
- 2. Check the checkbox of Enable.
- 3. Input SSID and Key of Wi-Fi signal you want to connect in text fields.
- 4. Click Save to save the settings.

⊽ 00000000 Media In	formation Device Configuration Log Information
Device Information	Wi-Fi Parameters
	🔽 Enable
Time Settings	SSID:
Network Settings	Key:

Figure 7. 22 Wi-Fi Parameters

7.5.5 Security Settings



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.

Steps:

- 1. Click the Device Configuration tab, and click Security Settings item in the left menu.
- 2. Input Current Password and New Password.



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

3. Click **Save** to save the new password.



Figure 7. 23 Security Settings

7.5.6 Platform Settings

Purpose:

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

Steps:

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

Platform Parameters	
	🔽 Enable
	⊙ IP ── Domain name
IP:	0. 0. 0. 0
Port:	7660
Device ID:	
	Save

Figure 7. 24 Platform Settings

- 2. Check the checkbox of **Enable** to enable platform connection.
- 3. Select address type as **IP** or **Domain Name**.
- 4. Edit **IP/Domain Name**, **Port**, and **Device ID**.
 - IP/Domain Name: The IP address/Domain Name of platform server you want to connect.
 - **Port**: The port of platform. The default port of iVMS is 7660.
 - **Device ID**: When adding device via platform, the ID is needed. It is device's unique identification.

7.5.7 Formatting

Purpose:

Format helps you to clear all data saved in device. It's not recommended to format the body camera like the way you format USB flash disk, or the body camera will fail to recognize the memory.

Steps:

- 1. Click the Device Configuration tab, and click System Settings item in the left menu list.
- 2. Click the Format button.



Figure 7. 25 Formatting

3. Input device password in the text field and click **OK** to start formatting.



Figure 7. 26 Format Device

7.5.8 System Resetting

Purpose:

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

Steps:

- 1. Click the Device Configuration tab, and click System Settings item in the left menu.
- 2. Click the **Factory Defaults** button.



Figure 7. 27 System Reset

3. Input device password in the text field and click **OK** to start resetting.



Figure 7. 28 Factory Defaults

7.6 Log Operations

Purpose:

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

Steps:

2.

1. Click the Log Information tab.

₹	00000000	Media Information Device Configuration	Log Information			Swit	ch USB Mode 🔅	- = ×
Tine:	2016-02-18 10:31:59	- 2016-02-18 10:31:59				Search	Clear	Export
	No.	Time		Details				
	01	2014-01-01 - 00:00:01		开机				
	02	2014-01-01 - 00:00:01		Startup				
	03	2014-01-01 - 00:00:02		Startup				
	04	2014-01-01 - 00:00:03		Startup				

Figure 7. 29 Log Information

- To search logs in a specified duration, do following steps:
- 1) Edit the log's start time and end time.

Time:	2016-02-18 10:31:59	-	2016-02-18 10:31:59	

Figure 7. 30 Search Condition

- 2) Click the Search button to start search. The matched logs will be listed.
- 3. To export searched logs, do following steps:
 - 1) Search the logs you want to export.
 - 2) Click the **Export** button to export them.



The exported logs are saved in the set assistant's log saving path and are saved in .txt format.

- 4. To clear logs, do following steps:
 - 1) Search the logs you want to clear.
 - 2) Click the **Clear** button to clear them.

7.7 Assistant File Saving Path

Purpose:

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

Steps:

- 1. Click the 🔛 icon in the top right corner of assistant window.
- 2. Click the icon to customize Local File Saving Path and Log Saving Path.
- 3. Click Save to save the settings.

Local Configuration	×
Local File Saving Path: C:\	
Log Saving Path: C:\	
Save	Cancel

Figure 7. 31 Local Configuration

7.8 Upgrading Device

Purpose:

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

Steps:

- 1. Switch to USB mode. For detailed steps, refer to 7.4.2 File Operation in USB Mode.
- 2. Enter the Removable Disk of body camera through Computer.
- 3. Copy the upgrade file into the removable disk.
- 4. Reboot the body camera.
- 5. Enter the System Setting in LED menu.
- 6. Press Δ/∇ to position the cursor on **System Upgrade** item. And press to start upgrading.



- Dock station can upgrade body camera after connection.
- Body camera can be upgraded by importing configuration files from dock station.

7.9 Exit Assistant

Steps:

- 1. Click the $\overline{\nabla}$ button in the top left corner.
- 2. To exit the assistant, click **Exit** icon.
- 3. To switch to other devices, click **Switch Device** icon.



Figure 7. 32 Exit and Switch Device

Chapter 8 Troubleshooting

Unable to start up.

- a) **Possible Reason:** Device runs out of power. **Solution:** Get device be charged.
- Unable to start recording.
- a) **Possible Reason:** Memory is full. **Solution:** Back up device and clear the memory.
- b) Possible Reason: Formatting memory error.
 Solution: Format the memory via assistant. For detailed steps, refer to 7.5.7 Formatting.
- Unable to log in.
- a) Possible Reason: Password error.
 Steps: Reset your password. For detailed steps, refer to 7.5.8 System Resetting.
- b) Possible Reason: Device is abnormal.
 Steps: Reboot device.

