SC580 Body Worn Camera

User Manual

Hytera Communications Corporation Limited

SyncComms

Preface

Welcome to the world of Hytera and thank you for purchasing this product. To derive optimum performance from the product, please read this manual carefully before use.

This manual is applicable to the following product:

SC580 Body Worn Camera

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Icon Conventions

The instructional icons and their respective meanings are listed below:

NOTE: Indicates references that can further describe the related topics.

CAUTION: Indicates situations that could cause data loss or equipment damage.

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If you have any suggestions or would like to learn more details, please visit our website at: https://www.hytera.com.

EU Regulatory Conformance

As certified by the qualified laboratory, the product is in compliance with the essential requirements and other relevant provisions of the following directives:

- 2006/66/EC
- 2011/65/EU
- 2012/19/EU
- 2014/53/EU

Please note that the above information is applicable to EU countries only.

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1. Packing List

Unpack carefully and check that you have received the following items. If any item is missing or damaged, contact your dealer.

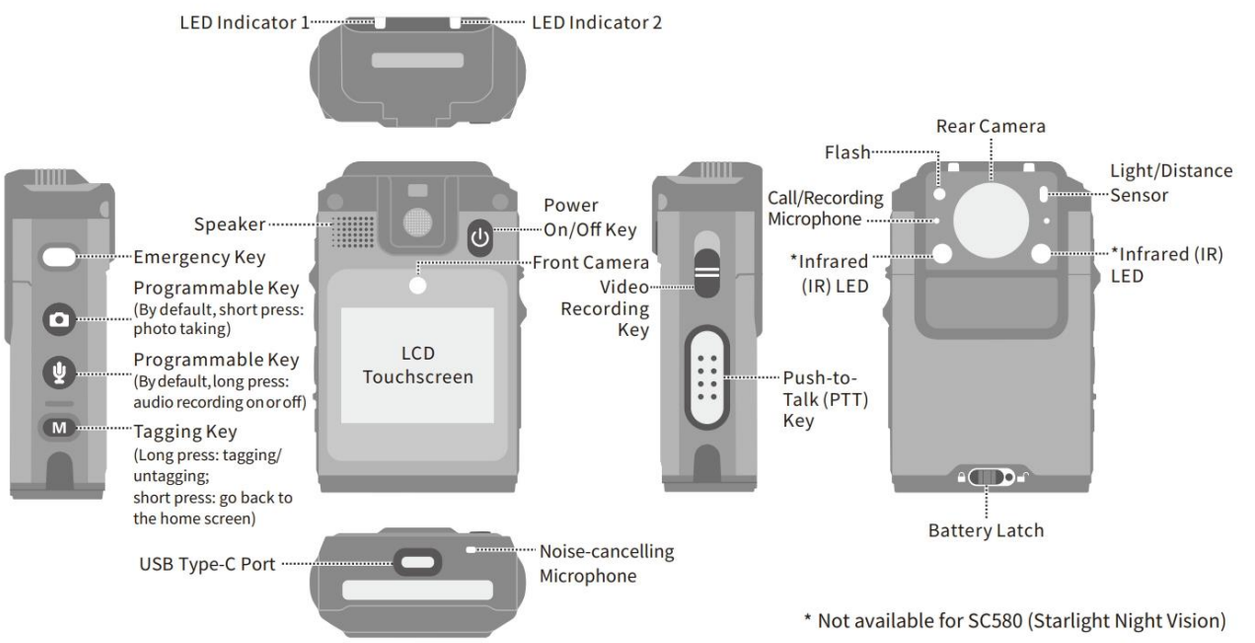
Item	Quantity (PCS)	Item	Quantity (PCS)
Body Worn Camera (BWC)	1	USB Data Cable	1
Battery	1	Power Adapter	1
Belt Clip	1	Documentation Kit	1

NOTE

Figures in this manual are only for reference.

2. Product Overview

2.1 Product Layout



2.2 Keys

2.2.1 Operations

Operation	Description
Press	Press and release quickly.
Long press	Press and hold for the preset duration.
Press and hold	Keep the key pressed.

2.2.2 Functions

Key	Function	
	Short Press	Long Press
PTT Key	/	Make PoC calls
Emergency Key	/	Trigger or clear emergency alarms

Key	Function	
	Short Press	Long Press
	• Take photos (by default) • Increase the volume	• Turn on or off the flashlight • Increase the volume • Start or stop silent video recording
	Decrease the volume	• Start or stop audio recording (by default) • Decrease the volume • Turn on or off the Stealth mode
M	Go back to the home screen	Tag or untag the file
Power On/Off Key	Wake up or turn off the screen	Turn on or off the product
Video Recording Key	• Toggle down: start recording • Toggle up: stop recording	

2.3 LED Indicators

The product has two LED indicators. LED indicator 1 is for PoC services, and LED indicator 2 is for battery level and operational status.

LED Indicator 1

Color	Status	Description
Red	Steady	The product is transmitting.
Green	Steady	• The product is receiving. • The product is in a full-duplex call.
Orange	Steady	The talk permit is available. You can press and hold the **PTT** key to speak.

LED Indicator 2

Color	Status	Description
Red	Steady	• In standby status, the battery level is below or equal to 10%. • In charging status, the battery level is below 90%.

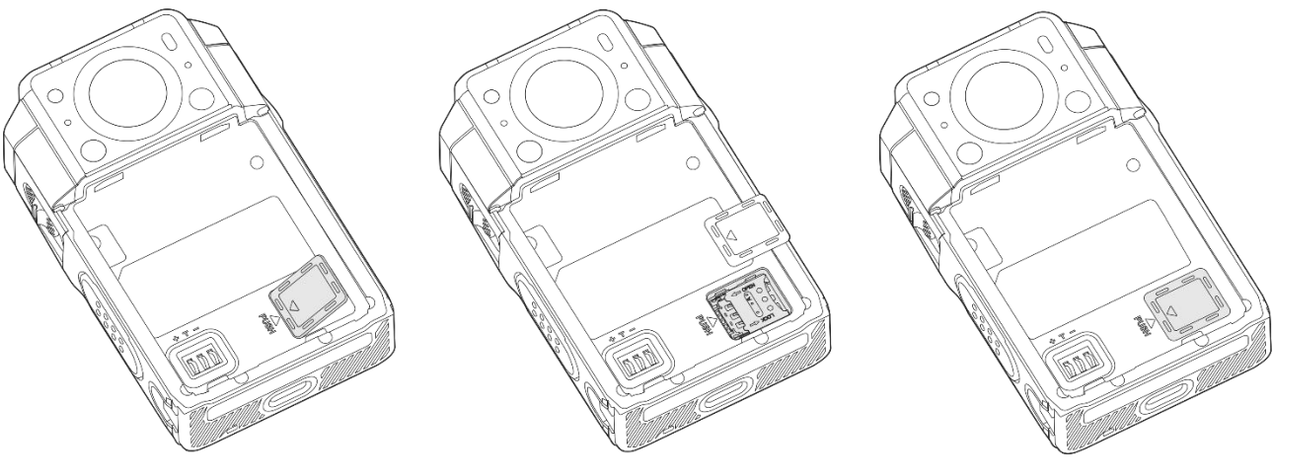
Color	Status	Description
		● The product is being turned on or off.
	Flashing	The product is recording a video.
Green	Steady	● The product is fully charged. ● In charging status, the battery power is above 90%. ● In standby status, the battery level is above 10%.
Blue	Steady	An exception occurs in data transmission.
	Flashing	The product is transmitting data.
Orange	Flashing	The product is recording an audio.
Red and blue	Flashing alternatively	The product finishes data transmission, and the product is not fully charged.
Green and blue	Flashing alternatively	The product finishes data transmission, and the product is fully charged.
Red and green	Flashing alternatively	The product is being upgraded.

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3. Before Use

3.1 Install the Nano SIM Card

1. Place your fingernail in the edge of the card slot cover, and then press and remove the cover.
2. Slide the Nano SIM card holder to the left and open it up.
3. Place the Nano SIM card in the slot.
4. Close down the holder and slide it to the right to lock it in place.
5. Put back the card slot cover, and then press firmly on the cover.

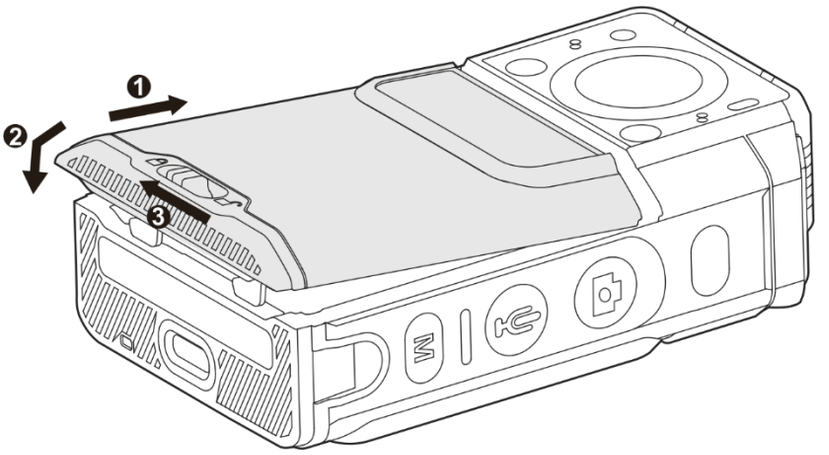


3.2 Attach and Remove the Battery

⚠ CAUTION

- Use only the Company's standard or optional battery. Polarity reverse or use of other batteries may result in explosion and fire hazards.
- Dispose of used batteries in accordance with the "Recycling and Handling Safety Precautions" in *Safety Information Manual*.

- Attach the battery
  a. Align the two protrusions on the top of the battery with the two holes on the battery slot.
  b. Press the bottom of the battery down into the battery slot.
  c. Slide the battery latch to the left until you hear a click.



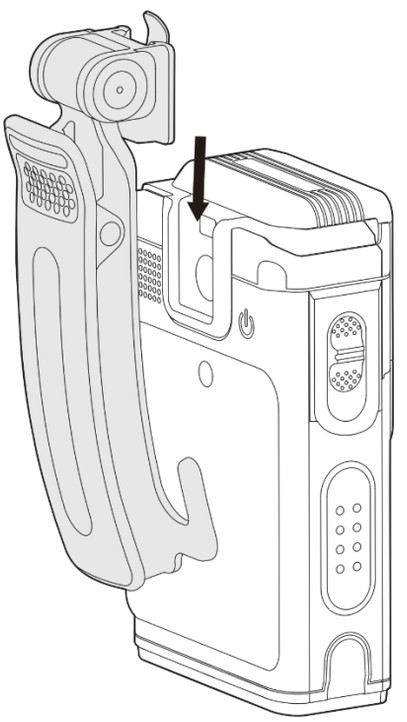
- Remove the battery

  a. Turn off the product.

  b. Press down the gray button in the middle of the battery latch, and then slide the battery latch to the right. The battery is unlocked.

3.3 Attach and Remove the Belt Clip

- To attach the belt clip, slide the belt clip down to the slot, as shown in the following figure.

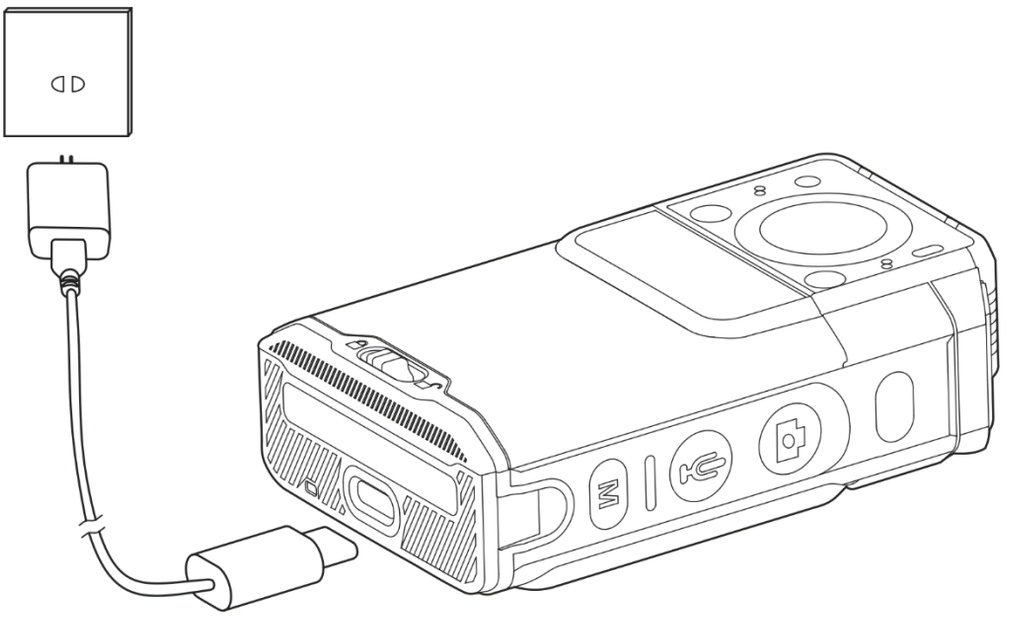


- To remove the belt clip, press the metal piece upward during reversing the attaching steps.

3.4 Charge the Battery

Connect the product with the battery attached to power supply through the USB cable and power adapter in the

package, as shown in the following figure.



You can learn about the charging status from the LED indicator. For details, see 2.2 LED Indicator.

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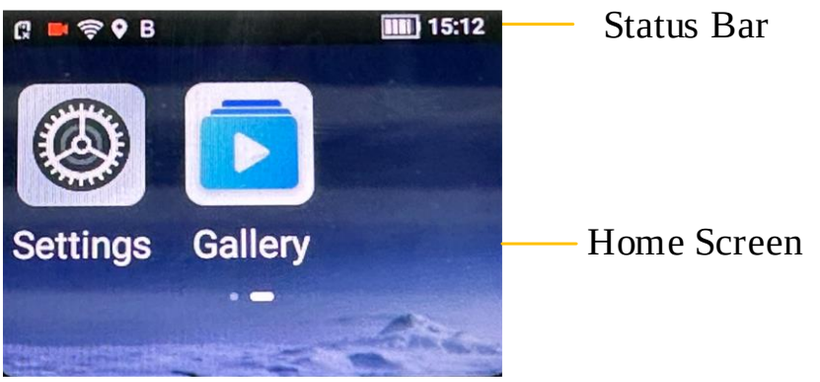
4. Basic Operations

4.1 Turn On or Off the Product

Long press the **Power On/Off** key to turn on or off the product.

After being turned on, the product displays the language selection interface or the video recording interface.

4.2 Understand the Screen



4.2.1 Status Bar Icon

The following table describes icons that might appear in the status bar.

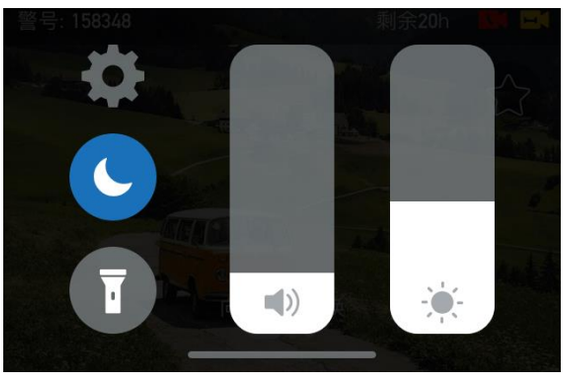
Icon	Description	Icon	Description
	More bars indicate higher battery level.		The Airplane mode is enabled.
	The battery level is low.		The product outputs the voice through the earpiece.
	The product is being charged.		More bars indicate stronger signals.
	The Location feature is enabled.		The BT feature is enabled.
	The Location feature is enabled, and valid location data has been received.		The product is connected to a BT accessory.
	The product is recording a video.		The product is in the Emergency mode.
	The product detects no SIM card.		The product is in the Stealth mode.
	The product is connected to an accessory.		The product is recording an audio.

Icon	Description	Icon	Description
	The product fails to connect to an accessory.		The product is pre-recording.
	The product is connected to WLAN.		The product is post-recording.

4.2.2 Control and Notification Center

To enter the control and notification center, on the main screen, swipe down from the status bar.

- In the control center, you can adjust volume or brightness, turn on or off the stealth mode or flashlight, open settings,



- In the notification center, you can view or clear notifications.

  New notifications are displayed shortly at the top of screen, or displayed constantly in the middle of screen until you acknowledge it.

4.2.3 Sleep and Wakeup

Sleep

- Manually

  Press the **Power On/Off** key.

- Automatically

  Go to **Settings** > **System** > **Sleep**, and then set the sleep time.

  When the sleep time is up, the product enters sleep mode automatically.

Wakeup

Press the **Power On/Off** key.

4.3 Connect to the Network

4.3.1 Mobile Network

Before enabling the cellular network, make sure that the SIM card is properly inserted and registered to the carrier networks. When not using the cellular network, disable the cellular network to save traffic and extend the standby time.

1. Go to **Settings** > **Network & connection** > **Mobile network**.
2. To enable mobile network, tap  following **Mobile data**.
3. (Optional) To enable data roaming, tap  following **Data roaming**.

4.3.2 WLAN

You can connect the product to the WLAN to access the server, make calls, and send and receive messages.

To use the WLAN, do the following:

1. Open **Settings**.
   - Swipe down from the status bar, and then tap .
   - On the home screen, tap .
2. Go to **Network & connection** > **WLAN**.
3. Tap  following **WLAN**.

   The available WLAN networks will be displayed.
4. Tap a network.

   The product will automatically connect to the network.
5. (Optional) If the network displays with a  icon, enter the password, and then tap **CONNECT**.

The product automatically saves the WLAN information upon successful connection, and automatically reconnects when WLAN is switched on.

4.4 Adjust the Volume

- Swipe down from the status bar, and then tap the volume bar or drag the slider.
- See 5 System Settings.

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5. System Settings

On the home screen, tap , and then configure the parameters according to actual situations.

Setting		Description
Account		You can view information such as user name, user ID, agency name, and agency number.
Network & connection	WLAN	You can enable or disable the WLAN, view the available networks, and connect to a network. After successful WLAN connection, you can access the Internet or connect to other network devices to share files.
	BT	You can enable or disable the BT, set whether the product can be detected through BT, view other BT devices, and connect to other BT devices in close proximity to exchange data.
	Mobile network	You can enable or disable the mobile data or data roaming.
Multimedia	Video resolution	You can set the video resolution to 1080p@30fps, 720p@30fps, or 480p@30fps. A high resolution indicates a large size of the video file.
	Silent video record	You can enable or disable the Silent Video Record feature. When this feature is enabled, the product records soundless videos only.
	Photo resolution	You can set the photo resolution to 3 MP, 5 MP, 8 MP, or 16 MP.
	Night vision	You can turn on or off the IR LED, or set the **Night vision** to **Auto**. In **Auto** mode, the product automatically turns on the IR LED when it detects not enough light during recording.
	Image Stabilization	You can turn on or off the Image Stabilization feature. With this feature enabled, you can record shake-free videos.
	Pre-event record	Pre-event Record enables the product to capture a preset time of footage before the you toggle down the **Video Recording** key.
	Post-event record	Post-event Record enables the product to continue to record for a preset time after you toggle up the **Video Recording** key.
	Loop video	With the Loop Video feature enabled, the product will overwrite earliest untagged videos to save new videos when the storage is full.

Setting		Description
	Flicker	When the product is used under indoor fluorescent lamp, the LCD touch screen may have flickers or stripes during video and photo shooting. With this feature enabled, the product will adjust the flickers or stripes automatically.
System	Airplane mode	With Airplane mode enabled, the product disables mobile data and WLAN automatically.
	Brightness	You can adjust the screen brightness automatically or manually. With **Adaptive brightness** enabled, the product automatically adjusts the screen brightness according to the environmental brightness over the light sensor for optimal experience.
	Sleep	If the product remains idle for over the preset sleep time, the screen automatically goes off to save battery power. You can set the sleep time to **Never**, **10s**, **30s**, **1 min**, or **2 min**.
	Volume	You can adjust the volume of multimedia or ringtone.
	Tone	The product gives audible alerts for some operations, such as starting or ending a recording, taking photos, or triggering an alarm. You can set tone to **Off**, **Tone**, or **Voice broadcast**.
	Language	You can set the displayed language to simplified Chinese, English, or Russian.
	Stealth mode	With the stealth mode enabled, the product gives no audible alerts, the indicator does not light, and the screen goes dim to keep the product unnoticeable.
	Date & time	You can check the date and time.
About device	You can view the device name, device ID, software version, serial number (SN), international mobile equipment identifier (IMEI), mobile equipment identifier (MEID), and storage capacity (total space and available space).	

6. Basic Functions

6.1 Video Recording

Before video recording, set the related parameters, such as Video Resolution, Night Vision, Pre-event Record, or Post-event Record. For details, see 5 System Settings.

- Normal recording
  a. In the preview mode, toggle down the **Video Recording** key to start recording.

     The LCD touch screen displays the recording time.

  b. Toggle up the **Video Recording** key to end recording.



- Pre-event recording

  During pre-event recording, the product displays the icon .

- Post-event recording

  During post-event recording, the product displays the icon .

6.2 Audio Recording

You can record the on-site audios during law enforcement.

- Normal recording
  a. In the preview mode, long press the preprogrammed **Audio Recording** key to start recording.

     The LCD touch screen displays the recording time.



b. Long press the preprogrammed **Audio Recording** key again to end recording.

6.3 Photo Taking

You can take photos during law enforcement.

Before photo taking, set the related parameters. For details, see 5 System Settings.

Press the preprogrammed **Photo Taking** key to take a photo.



6.4 Photo Snapshot

You can snapshot the key static scenes during the video recording.

During video recording, press the preprogrammed **Photo Taking** key to snapshot a photo.

6.5 Evidence Tagging/Untagging

Tagging

You can tag videos or audios as key evidence during or after recording.

- During Recording

  Long press the **Tagging** key.

- After Recording

  a. On the home screen, tap **Gallery**.

  b. Enter the password ("123456" as the initial password).

  c. Tap **Video**, **Audio**, or **Photo**.

  d. In the upper right corner of the screen, tap **Operate**.

  e. Tap **Tag**.

  f. Select one or multiple recordings, and then tap **Tag**.

  The tagged recording will be marked with  in the upper left corner.

NOTE

Emergency video recordings will be automatically tagged.

Untagging

1. On the home screen, tap **Gallery**.
2. Enter the password ("123456" as initial password).
3. Tap **Video**, **Audio**, or **Photo**.
4. In the upper right corner of the screen, tap **Operate**.
5. Tap **Untag**.
6. Select one or multiple recordings, and then tap **Untag**.

NOTE

The video and audio tagged during recording cannot be untagged.

6.6 Videos/Photos/Audios Playback

1. On the home screen, tap **Gallery**.

2. Enter the password ("123456" as the initial password).
3. Tap **Video**, **Photo**, or **Audio** to enter the playback list.
4. Tap a video, photo, or audio in the playback list to enter the playback interface.
5. (Optional) Do as follows:

If You Want to…	Then…
View the details of the video, photo, or audio	1. In the upper right corner of the playback interface, tap ⋮. 2. Tap **Details**.
Add labels to evidence	1. In the upper right corner of the playback interface, tap ⋮. 2. Tap **Add Label**.

6.7 Flashlight

1. On the home screen, swipe down from the status bar to enter the control center.
2. Tap  to turn on the flashlight.
3. To turn off the flashlight, tap .

6.8 Emergency Alarms

- Turn on emergency alarms

  Press the **Emergency** key.

  The product gives a voice prompt "Enter emergency mode", starts tagged recording, and sends an emergency message to the dispatcher. After the dispatcher receives the message, the product will upload the real-time scene to the dispatcher and join a voice call initiated by the dispatcher.

- Turn off emergency alarms

  During an emergency alarm, long press the **Emergency** key.

  The product stops tagged recording.

6.9 PoC Services

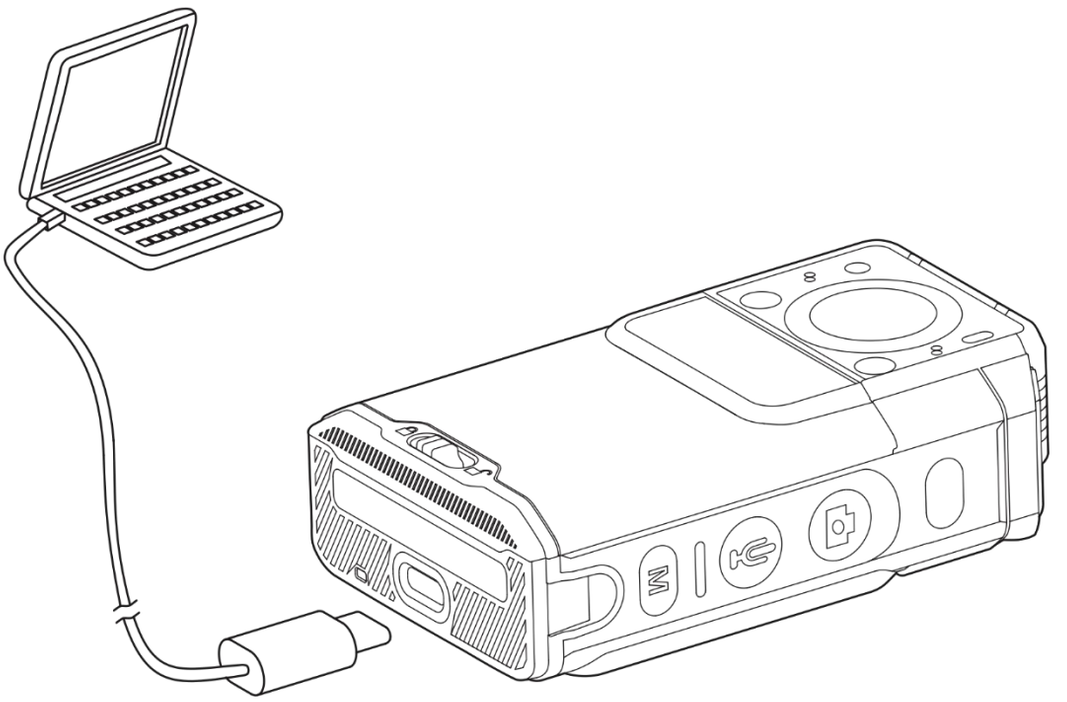
With a PoC (Push-to-Talk over Cellular) app installed on the product, you can initiate or receive one-to-one or one-to-many calls over the public network.

For details on PoC services, refer to the related User Manual of the PoC app.

7. Data Collection

You can switch the product into disk mode through the BWC Manager, and then copy photos, audios, and videos to your PC. For details on the operations, in the upper right corner of the BWC manager interface, click **Help**.

Connect the product to your PC as is shown the following figure:



If you have purchased the multi-unit charger, you can also collect data through the charger. For details, refer to the related *User Manual*.

8. Troubleshooting

Phenomena	Analysis	Solution
The product cannot be turned on.	The battery may be improperly attached.	Reattach the battery.
	The battery may run out.	Recharge or replace the battery.
	The battery and the charging probes are in poor contact due to dirtied or damaged battery contacts.	Clean the battery contacts.
The volume is low when you play back audios or videos.	The microphone and the speaker may be blocked or damaged.	Clean the microphone and the speaker.
The product cannot record videos or audios.	The TF card may be full.	1. Switch the product to the disk mode. 2. Export and store the data. 3. Delete all data from the TF card.
The product cannot take photos.	The TF card may be full.	1. Switch the product to the disk mode. 2. Export and store the data. 3. Delete all data from the TF card.
The product cannot perform pre-event or post-event recording.	The Pre-event Record or Post-event Record feature may be disabled.	Enable the corresponding feature.
The product does not turn on the IR LED automatically when recording a video in dark environment.	The Night Vision feature may be disabled.	Enable the Night Vision feature.
The product gives no alert tone; the indicator does not light up, and the screen goes dimmest.	The stealth mode may be enabled.	Disable the stealth mode.

The product gives no response to operations.	The product may be crashed.	Press the **Power On/Off** key for 10 seconds to forcibly turn off the product.

If the above solutions cannot fix the problems, or you may have some other queries, please contact us or your local dealer for more technical support.

9. Care and Cleaning

To guarantee optimum performance as well as a long service life of the product, please follow the tips below.

Product Care

- Do not pierce or scrape the product.
- Keep the product away from substances that can corrode the circuitry.
- Do not hold the product by the connection cable.

Product Cleaning

⚠ CAUTION

- Turn off the product and remove the battery before cleaning.
- Make sure the product is completely dry before use.

- Clean up the dust and fine particles on the product's surface with a clean and dry lint-free cloth or a brush regularly.
- Use neutral cleanser and a non-woven fabric to clean the keys and surface after long-time use. Do not use chemical preparations such as stain removers, alcohol, sprays or oil preparations, so as to avoid surface damage.

10. Optional Accessories

CAUTION

Use the accessories specified by the Company only. Otherwise, we shall not be liable for any losses or damages arising out of the use of any unauthorized accessories.

Contact your local dealer for the optional accessories of the product.

11. Abbreviations

Abbreviation	Full Name
BDS	BeiDou Navigation Satellite System
GPS	Global Positioning System
LCD	Liquid Crystal Display
LED	Light Emitting Diode
PoC	Push-to-Talk over Cellular
USB	Universal Serial Bus
WLAN	Wireless Local Area Networks

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Address: Hytera Tower, Hi-Tech Industrial Park North, 9108# Beihuan Road, Nanshan District, Shenzhen, People's Republic of China

Postcode: 518057

https://www.hytera.com