

Shenzhen Jimi IoT Co., Ltd.

JC182 Series Test Guide



Revision Records

Version	Revision Date	Revised Part	Revision Description	Reviser
V1.0.0	May 29, 2025	Full text	Create the initial document.	Acher Cai
V1.0.1	Jul. 14, 2025	QR codes	Added the QR codes for product installation and introduction videos.	Acher Cai



Contents

1. Overview	1
1.1 Introduction	1
1.2 More information	1
2. Service Platform Introduction	3
2.1 Web Client	3
2.2 Mobile App	3
3. Preparation	4
3.1 Overview	4
3.1.1 Office Testing Preparation	4
3.1.2 Vehicle Testing Preparation	6
3.2 Establishing Device Connectivity	7
3.2.1 Device Online Status Monitoring	7
3.2.2 Device Offline Status Self-Diagnosis.....	8
4. Basic Functions Testing	12
4.1 Positioning	12
4.1.1 Web Client	12
4.1.2 Mobile App	13
4.2 Historical Route Playback	14
4.2.1 Web Client	14
4.2.2 Mobile App	18
4.3 Alert Notification Configuration	19
4.3.1 Web Client	19
4.3.2 Mobile App	22
4.4 Live Video Streaming	23
4.4.1 Web Client	23
4.4.2 Mobile App	24
4.5 Historical Videos Playback	25
4.5.1 Web Client	25
4.5.2 Mobile App	31
4.6 Event-Triggered Video Upload	32
4.6.1 Web Client	32
4.6.2 Mobile App	37
4.7 Command Sending	40
4.7.1 Web Client	40
4.7.2 Mobile App	41
4.8 MicroSD card Video Retrieval	41

1. Overview

1.1 Introduction

The JC182, designed for private cars, is a road-facing camera that integrates positioning and video functions. Its internal 4G and GNSS modules enable real-time location reporting and continuous recording of your drives. With a designated app, you can leverage this data to effortlessly find parked cars in crowded areas, track vehicles on the go, and set up geofence alerts to notify of possible theft. Furthermore, the app can also provide valuable evidence on the spot in case of accidents, enhancing your overall vehicle safety.

1.2 More information

For more information, please check the link or QR code below:

- **User Manual**



- **WiFiKit APP Download Link**



iOS



Android

- **Installation Guide**



- **Product Introduction**



2. Service Platform Introduction

2.1 Web Client

Tracksolid Pro website address:

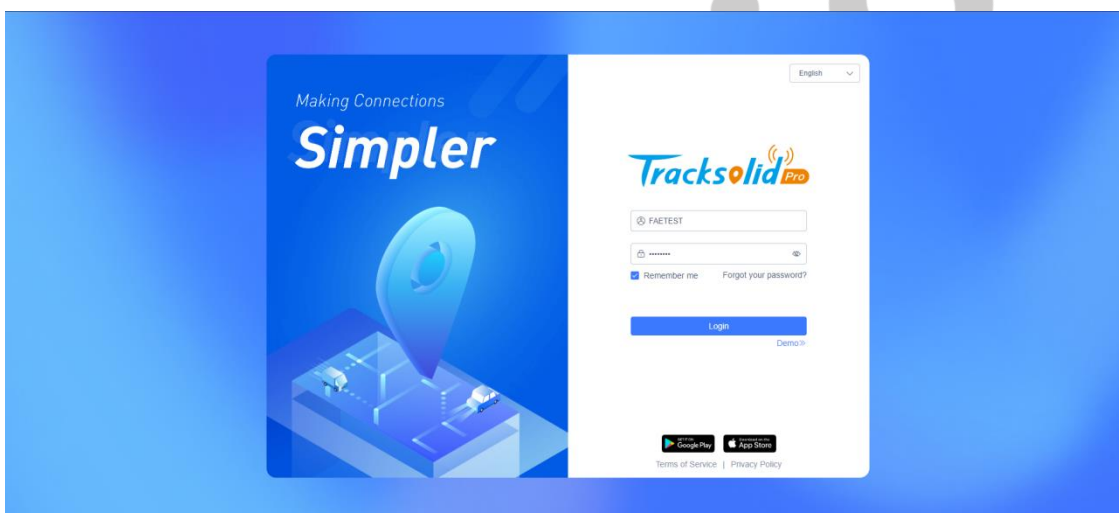
<https://hk.tracksolidpro.com/mainFrame>

Where "hk" indicates the login node. Every account has its own default home node, to which the server will switch automatically upon login.

For platform operation guide, refer to:

<https://hk.tracksolidpro.com/resource/dev/index.html#/userManual>

Login interface:



Login account/password: Use the one provided by your sales contact.

2.2 Mobile App



iOS: <https://apps.apple.com/cn/app/tracksolid-pro/id1515254986>

Android: <https://play.google.com/store/apps/details?id=com.jimi.tuqiang.tracksolidpro>

3. Preparation

3.1 Overview

3.1.1 Office Testing Preparation

Please prepare the followings:

- 1) JC182 main unit*1;
- 2) Constant power supply*1;
- 3) Nano-SIM card*1;
- 4) MicroSD card*1.

Step 1: Device inspection

Visually inspect whether the device is in good condition and whether the relevant accessories are complete.

Step 2: Selection of product accessories

Memory Card

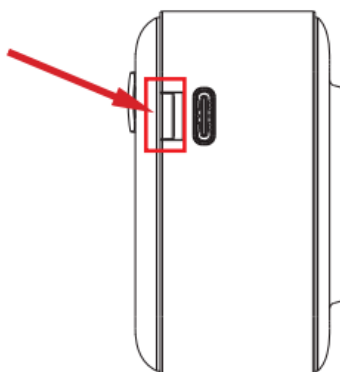
- 1) Use a MicroSD card formatted to FAT32 (capacity: 16GB–256GB).
- 2) Ensure the MicroSD card meets or exceeds Class 10 speed rating and A1 application performance class.
- 3) Insert the MicroSD card into the designated slot, aligning the card's contact pins with the slot.
- 4) Do not insert the SIM card into the MicroSD card slot.

SIM Card

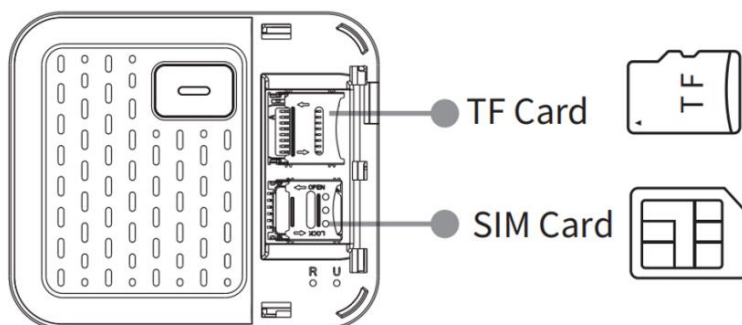
- 1) Use a Nano-SIM card with active cellular service.
- 2) Ensure the device is in ACC OFF mode before installing or removing the SIM card.
- 3) Verify the SIM's service plan includes mobile network connectivity and sufficient data allowance.

Memory Card & SIM Card Attachment

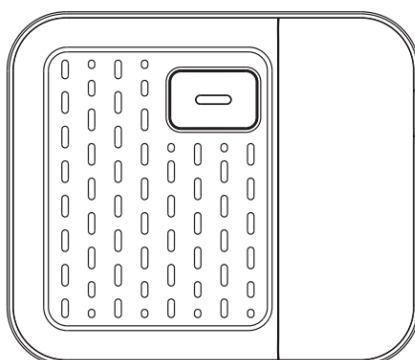
- 1) Open the card slot protective cover.



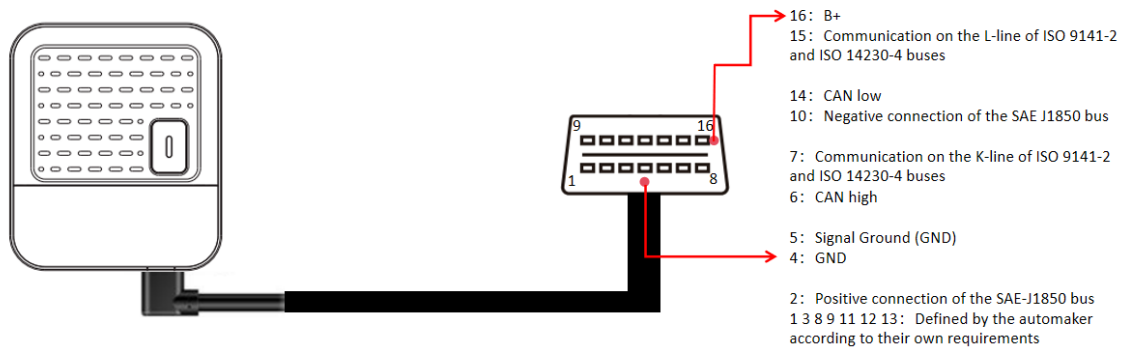
- 2) Insert the SIM card into the SIM card holder and the MicroSD card into the MicroSD card holder correctly.



- 3) Secure both holders and reattach the protective cover.



Step 3: Wiring Description



Step 4: Power on

Connect the DC power supply: P16 (B+) to 14V and P4 (GND) to ground.

The device's red LED will be on a few seconds later. Wait 1 to 2 minutes for the initialization to complete.

3.1.2 Vehicle Testing Preparation

KEY NOTES:

1. For installation, use manufacturer-specified accessories.
2. The power supply of this device is 9-30V. Please use the manufacturer-provided power cable. Reverse polarity may damage the device.
3. After installation, remove the camera lens protective film for optimal video quality.
4. It is recommended that you consult dealers or authorized service providers to perform installation and testing as outlined in the user manual.

Installation Preparation:

1. Verify that the received items match the packing list and are in good condition.
2. Prepare the installation tools, including insulating tape, screwdriver, and wire cutters.
3. Ensure the vehicle's interior has been cleaned and protective measures are in place to prevent damage during installation.

Pre-installation:

Before installing the device on the vehicle, configure the device as follows:

- 1) Insert the MicroSD card into its card holder, ensuring correct orientation (align the card's contact pins with the slot);
- 2) Place the SIM card into its card holder;
- 3) Identify the optimal mounting location.

For how to install the device on your vehicle, please refer to the "Installation Guide" in "1.2 More information".

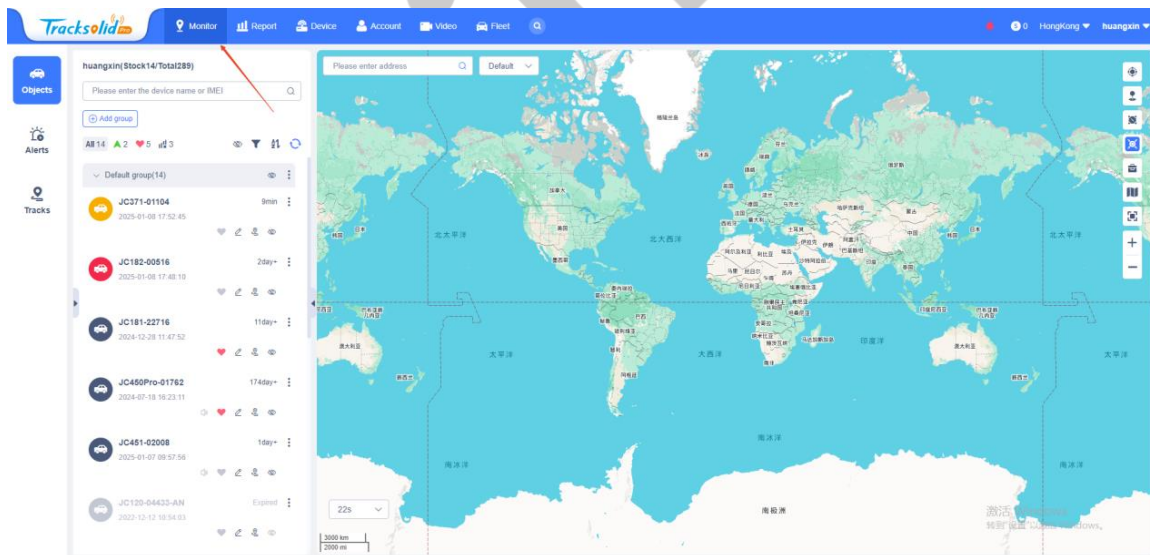
3.2 Establishing Device Connectivity

3.2.1 Device Online Status Monitoring

You can check the device connectivity status via web or app.

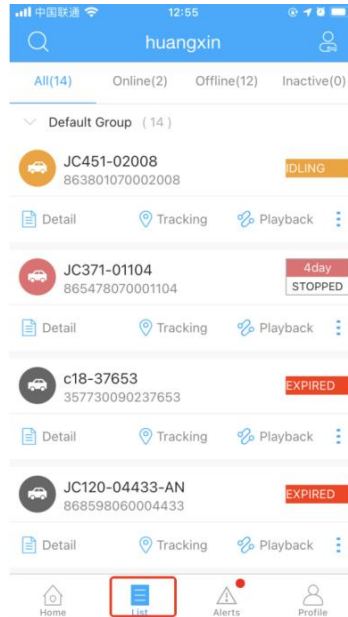
Check device status via Web:

Log in to the web client, go to **Monitor** and then you can determine the device's connectivity status via colored icons:



Check device status via App:

Log in to the app client, go to **List** and then you can determine the device's connectivity status via colored icons:



Device status indicators are described as follows:

- 1) : Device online and vehicle moving;
- 2) : Device online and vehicle idling;
- 3) : Device online and vehicle ignition off;
- 4) : Device offline;
- 5) : Device inactive.

3.2.2 Device Offline Status Self-Diagnosis

The following issues may cause the device to go offline:

3.2.2.1 SIM Card Issues

1) GSM network is unavailable or the device fails to identify the SIM card.

- a) Confirm the SIM card is undamaged, properly sized (Nano-SIM), and correctly inserted.
- b) Test the SIM in a mobile phone or another compatible device to verify functionality.

2) Only GSM network is available:

- a) Ensure the SIM plan has active data allowance and no outstanding payments. You can determine if the above issues exist by testing the SIM card in your mobile phone or another compatible device.
- b) Check if the device has entered a coverage hole or a place where signals are poor or event shielded.

3.2.2.2 APN Issues

If the SIM card works correctly on your mobile phone or another compatible device, but the device remains offline, the APN settings may be the cause (the device defaults to carrier-specific APN settings).

In this case, you can try to change the APN manually to make the device go online. Currently, you can modify the APN of the device by using browser commands. The following shows the specific operations.

Method:

You can configure the APN parameters via the WiFiKit APP after successful access to the device hotspot.

To download the WiFiKit app, refer to the "WiFiKit APP Download Link" in "1.2 More information".

NOTE:

The device hotspot will shut down in 30 minutes, which means it cannot be found on your mobile phone after 30 minutes. In this case, you are recommended to press and hold the SOS button for 5 seconds to turn on the device hotspot. Or you can set the active duration to a larger value by the following command:

```
WIFIAPT,A
```

```
A=-1/1-1440
```

-1=Hotspot always active while ACC ON

1-1440=Hotspot active duration when ACC ON (the hotspot becomes inactive after this timer expires)

The unit is minute.

Step 1:

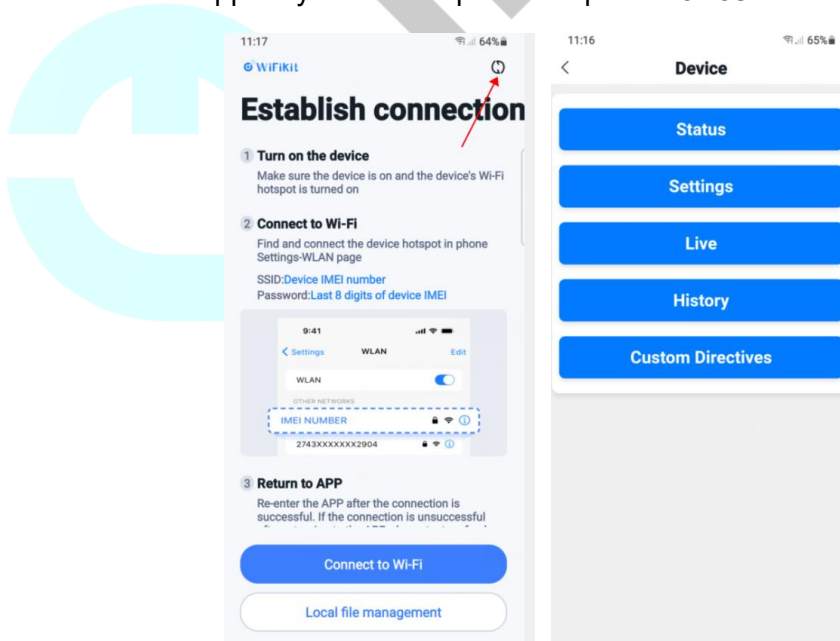
Accessing Device Hotspot

After powering on the JC182, its hotspot (named "JC182-xxxxxxx", where "XXXXXXXX" represents the last 8 digits of the device IMEI) will appear in the network list under **Setting > WLAN** of your mobile phone. The default password is the last 8 digits of the device IMEI.



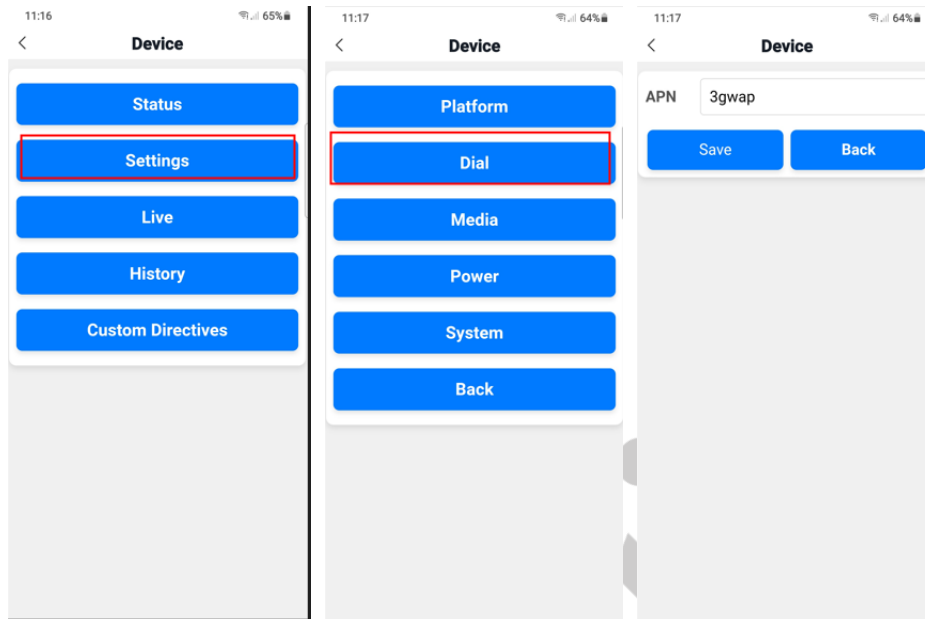
Step 2:

Launch the WiFiKit app on your mobile phone. Tap the **Refresh** icon to enter the **Device** page.



Step 3:

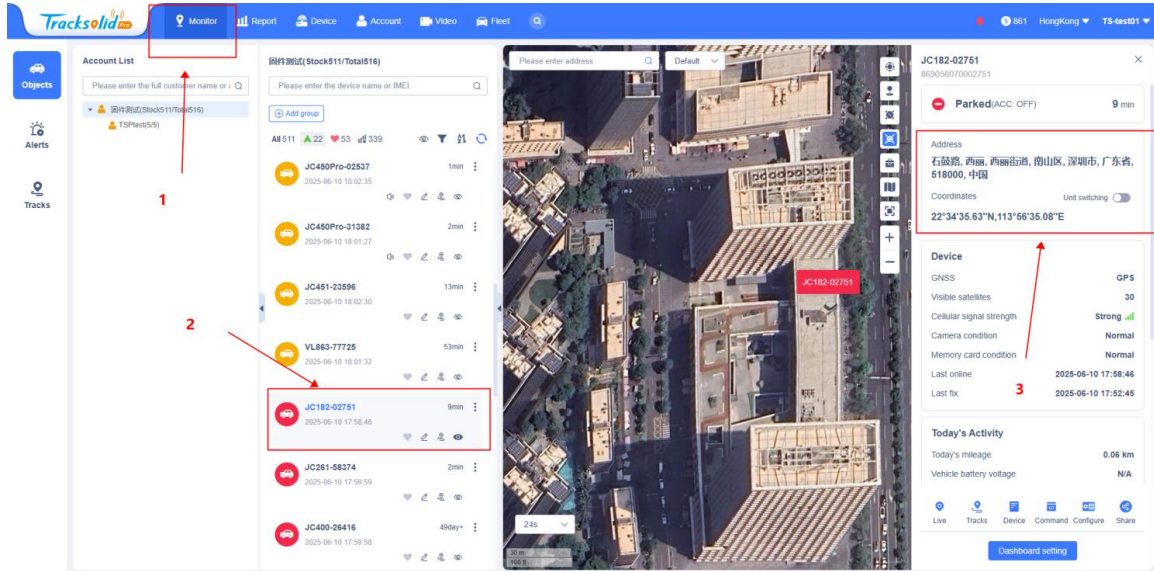
Navigate to **Settings** > **Dial**. Then input the parameters supported your SIM card, as shown in the figure below.



4. Basic Functions Testing

4.1 Positioning

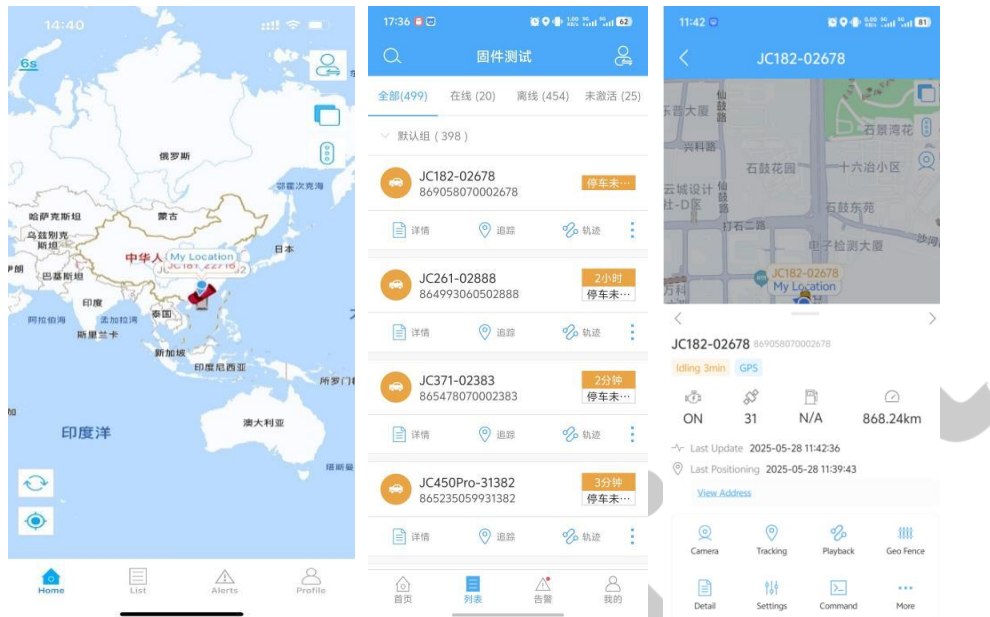
4.1.1 Web Client



- 1) Log in to the web client and go to **Monitor** (① in the figure above);
- 2) Select the device of your interest (such as ② in the figure above), then you can see its location on the web client (③ in the figure above).

4.1.2 Mobile App

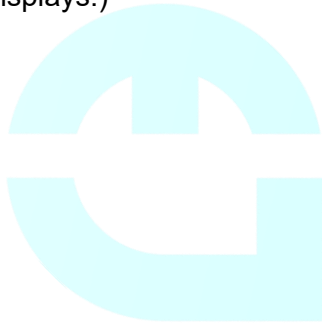
1) Log in to the mobile app. All devices under the login account are listed on the **Home** page.



2) To see device details, tap on **List** and then on the target device, as shown in the figure above.

3) Then you can view the current location of the device, as shown in the figure above.

(If the device is online, the real-time location displays; otherwise, the location last updated displays.)




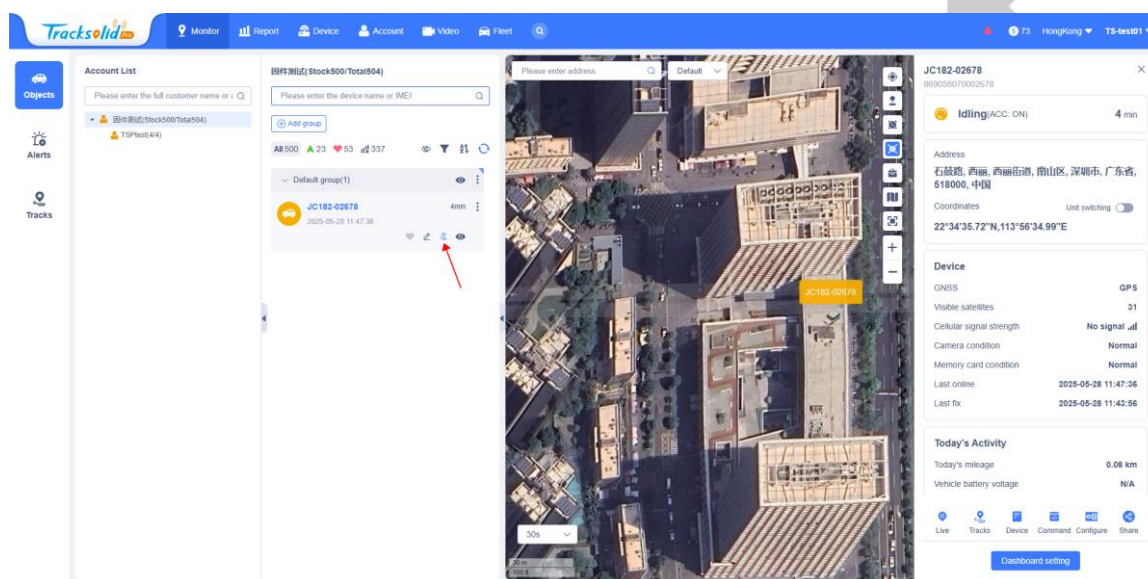
4.2 Historical Route Playback

4.2.1 Web Client

To view historical routes of a specific device, use one of the following methods:

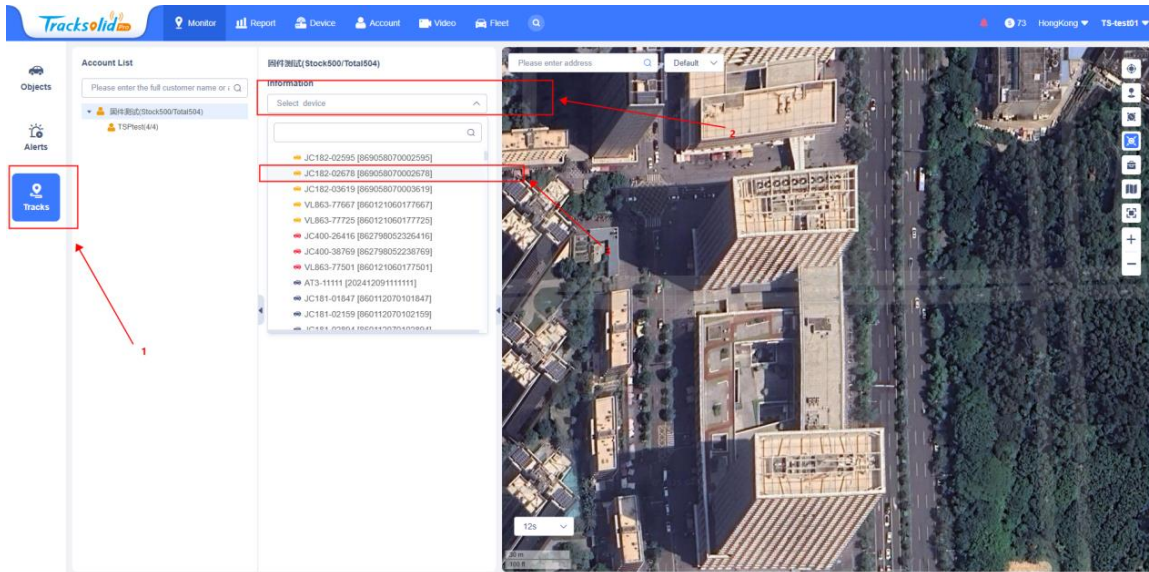
Method 1:

- 1) Go to **Monitor** and click on **Objects**;
- 2) Click the **Playback** icon () of the target device;

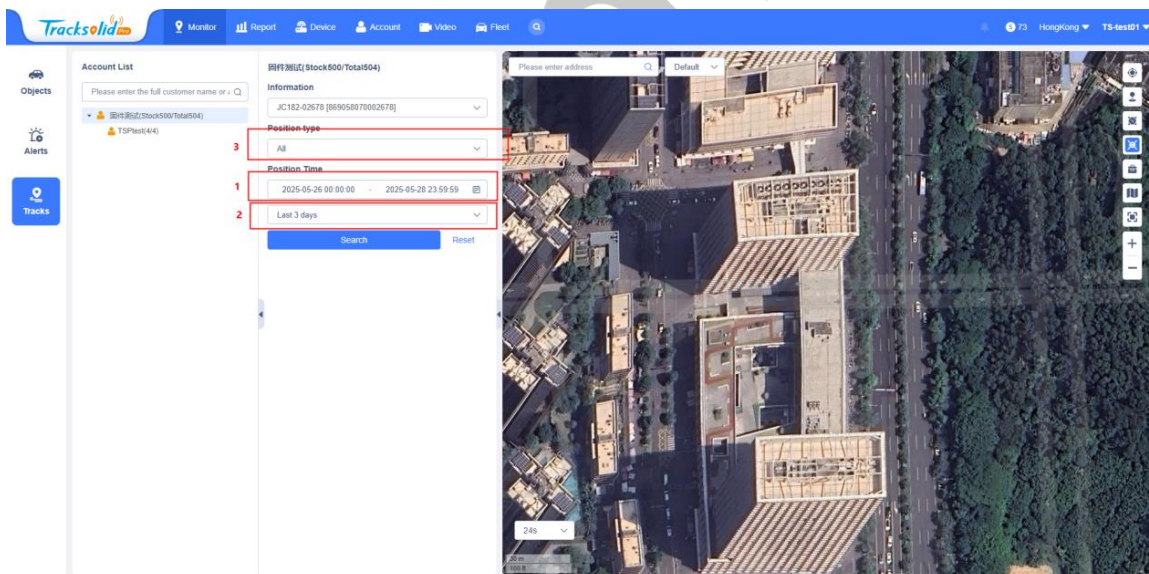


Method 2:

- 1) Click on **Tracks** in the right panel and specify the device's IMEI or name, as the following figure shows:



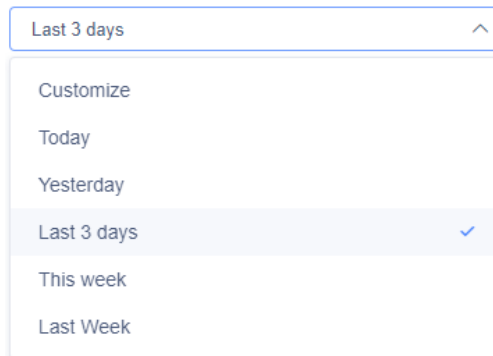
- 2) Filter route information



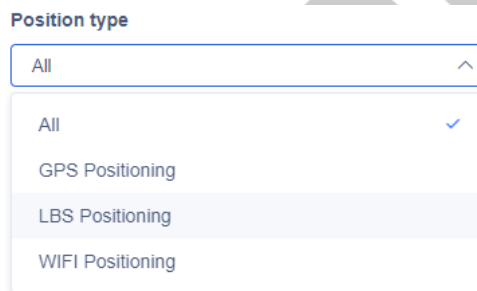
- a) Set the **Start Time** and **End Time** (① in the figure above);

- b) Or if you would like to have fast access to historical routes of a specific time period, use **Tracking Time** presets (② in the figure above);

The following figure shows all the tracking time presets:

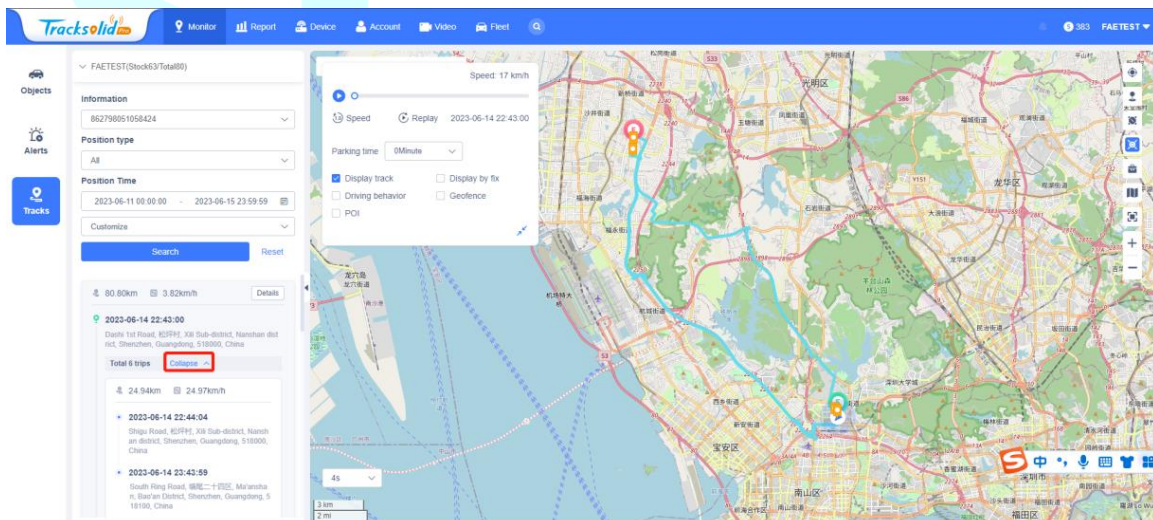


- c) Select a **Position Type** if you want to see the historical routes generated via a specific positioning system (③ in the figure above); the following figure shows all locating types:

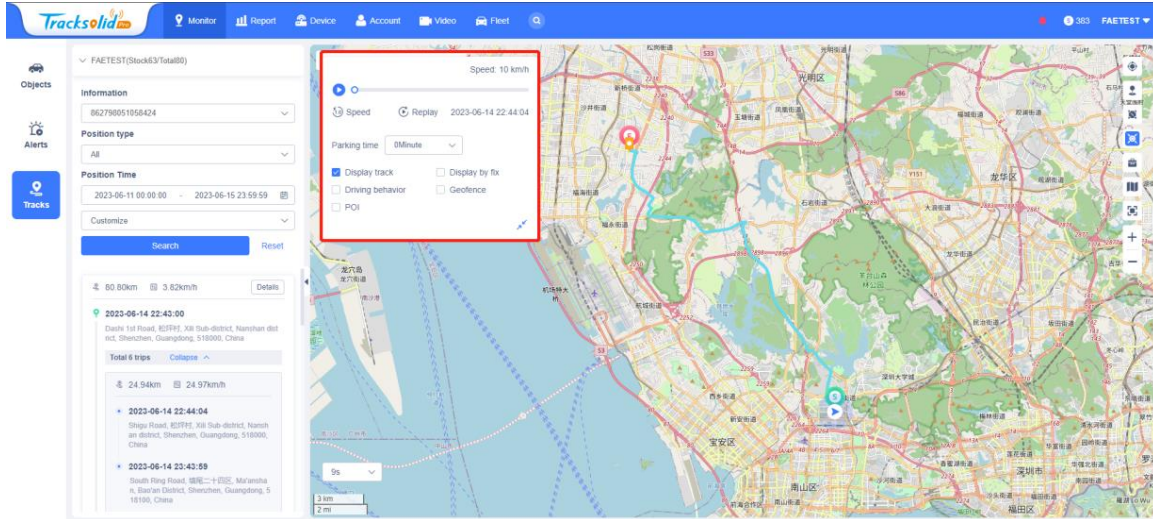


- d) Click **Search** and you can see the results in a list, as the following figure shows:

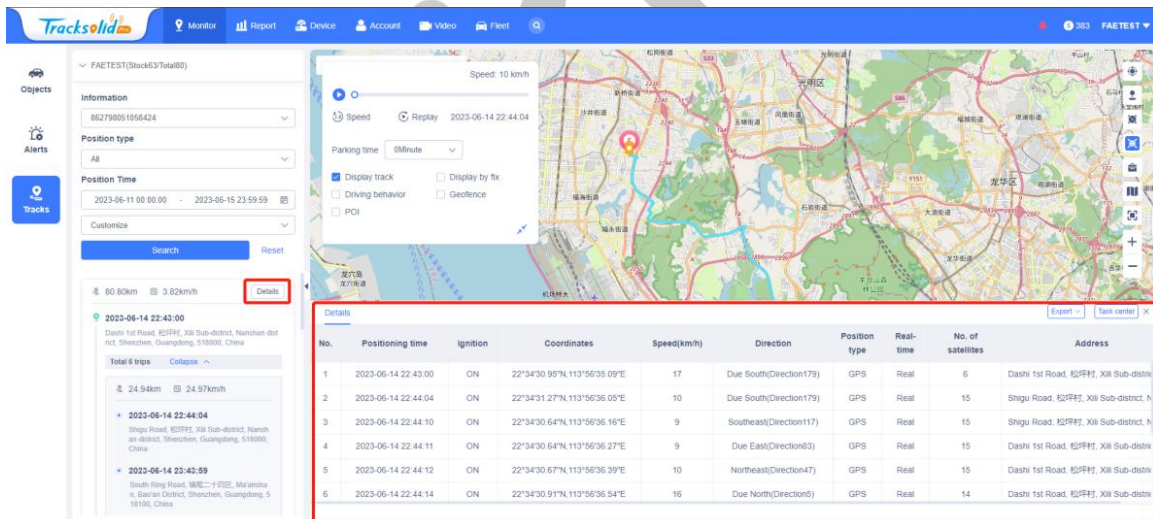
- e) Click **Expand** or **Collapse**, you can see the whole route or each trip.



- f) Click the **Play** button (▶) to watch the historical route. You can drag the progress slider to skip segments, adjust the speed with the speed slider, or set other parameters to control the playback.

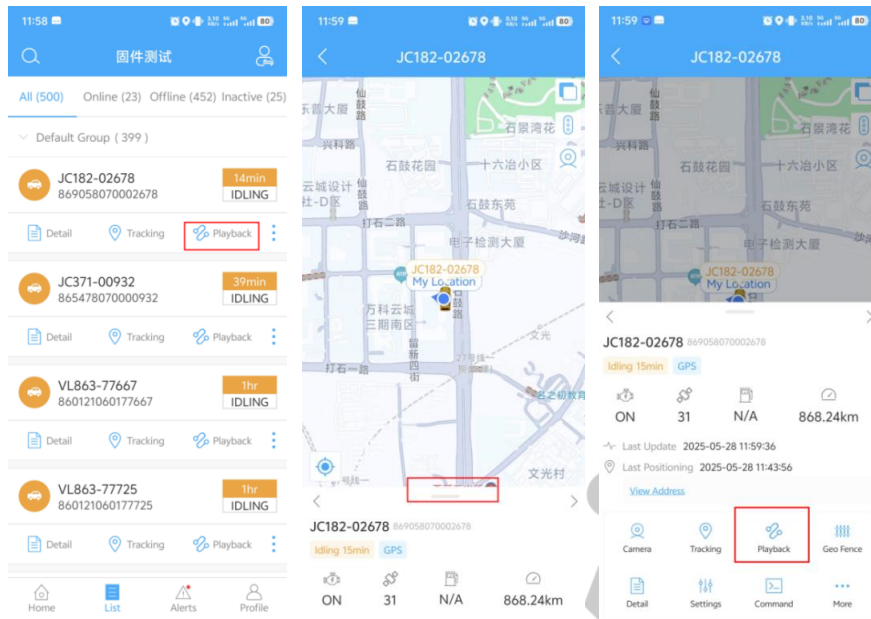


- g) Check other information about the route and export the data, as the following figure shows.



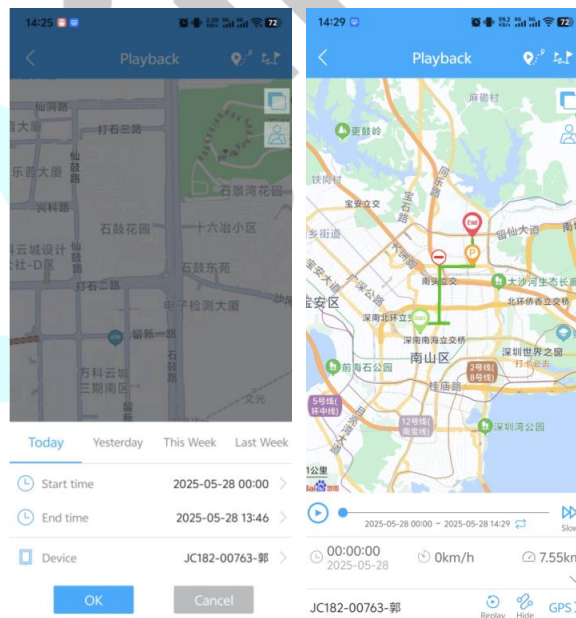
4.2.2 Mobile App

1) Go to **List** and tap on **Playback** under the target device, as the following figure shows:



2) Or tap on the target device, swipe up to unfold the info bar, tap on **Playback**, as the above figure shows:

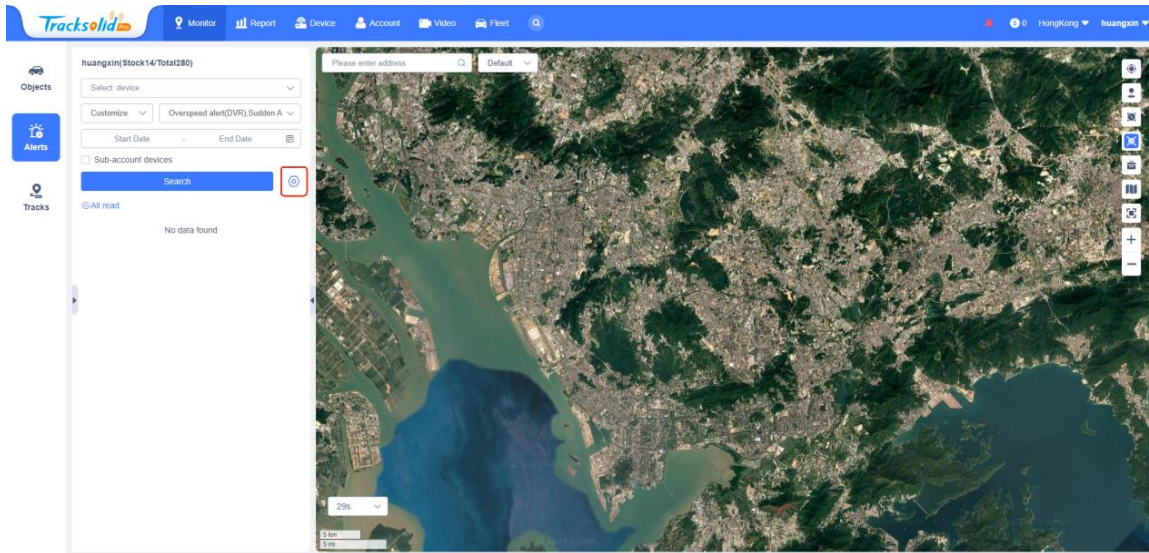
3) Specify the time range to filter historical routes, as the following figure shows:



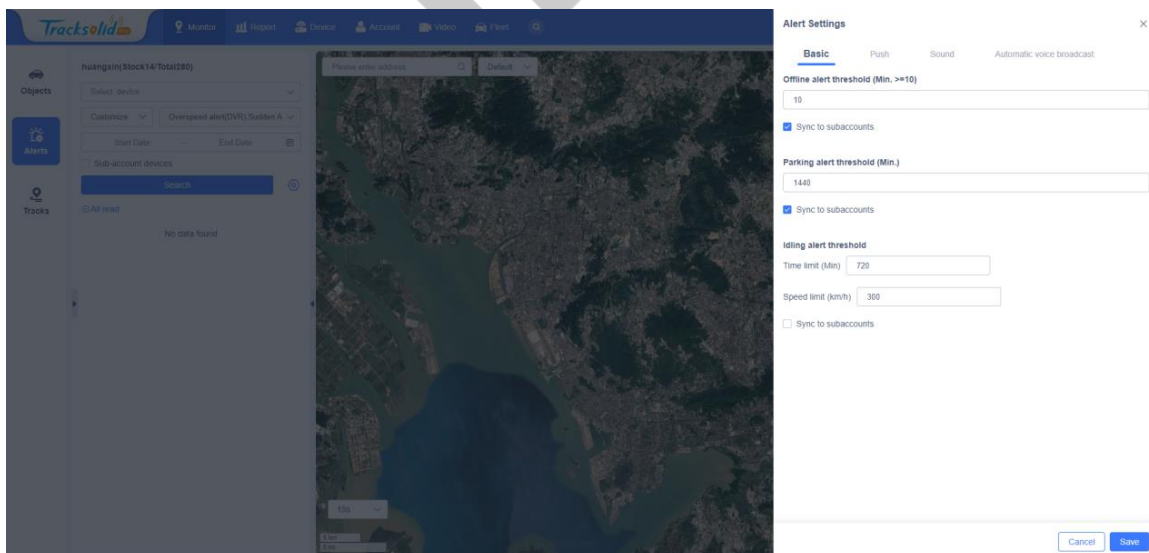
4.3 Alert Notification Configuration

4.3.1 Web Client

Alert push feature on the platform is disabled by default. If you want to receive notifications after alerts are triggered, you can go to **Monitor > Events** to enable the feature. The alert settings include **Basic Settings**, **Push Settings**, and **Alert Sound**.

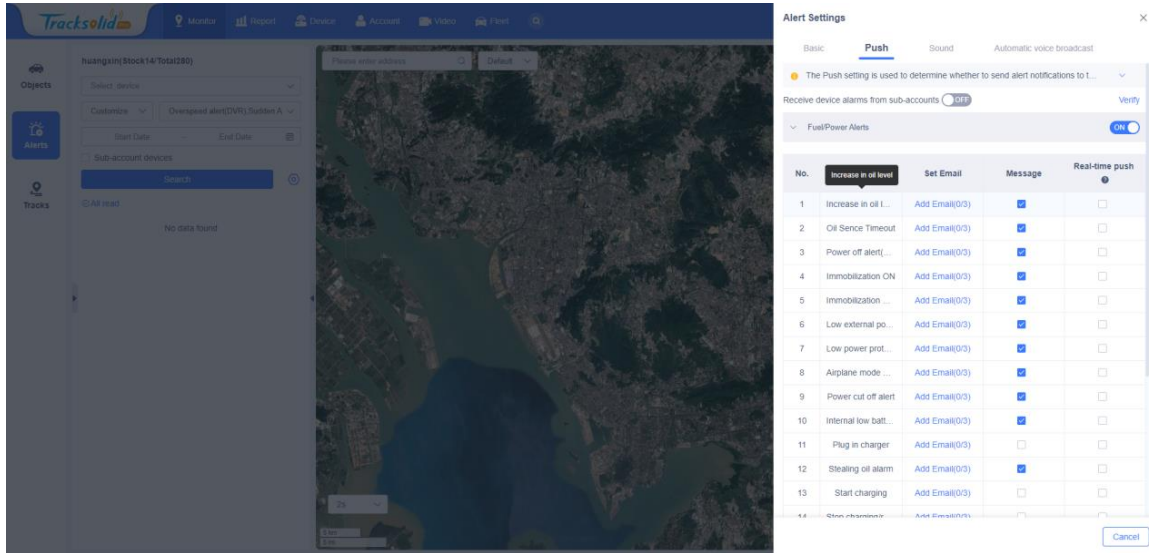


1) Basic Settings



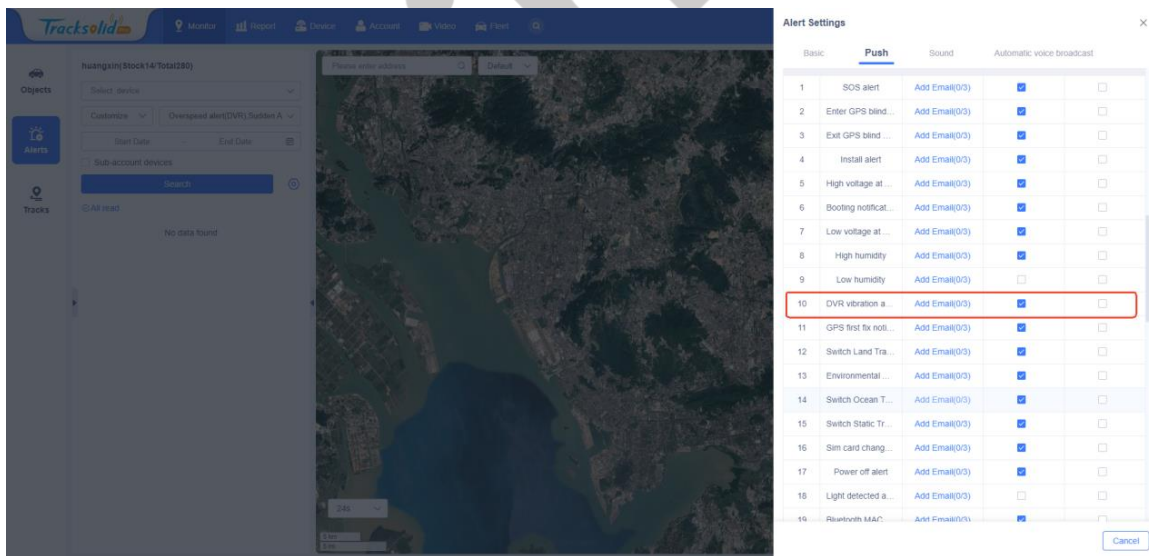
2) Push Settings

If you want the platform to receive notifications of certain alerts, you can enable the push features of the corresponding alerts in this tab.

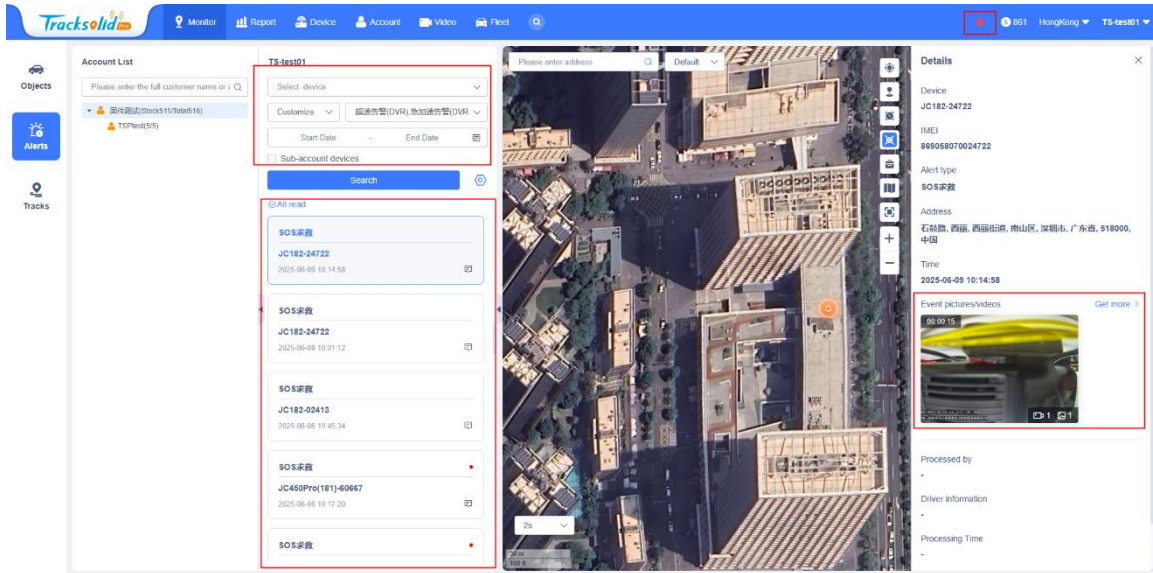


Take vibrating alert as an example:

a) Check the **Web Alert, App Alert** in **Actions** corresponding to **Vibration alert**;

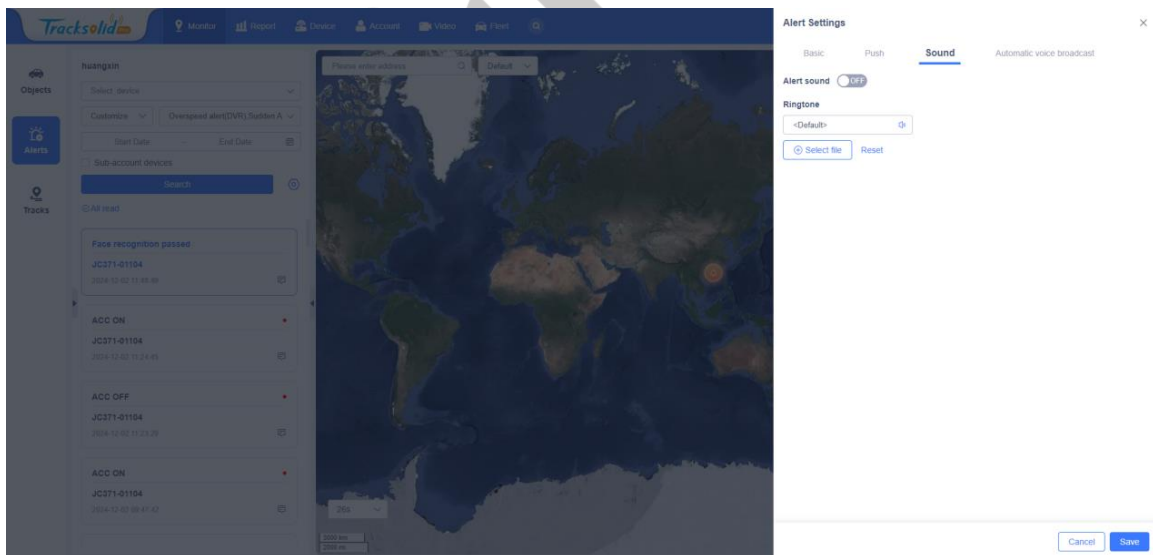


b) If a vibrating alert is triggered after the alert push feature is enabled, you can go to **Monitor > Events** or click on the **Alert** icon (🔔) at the upper right corner to check the alert records, as the following figure shows:



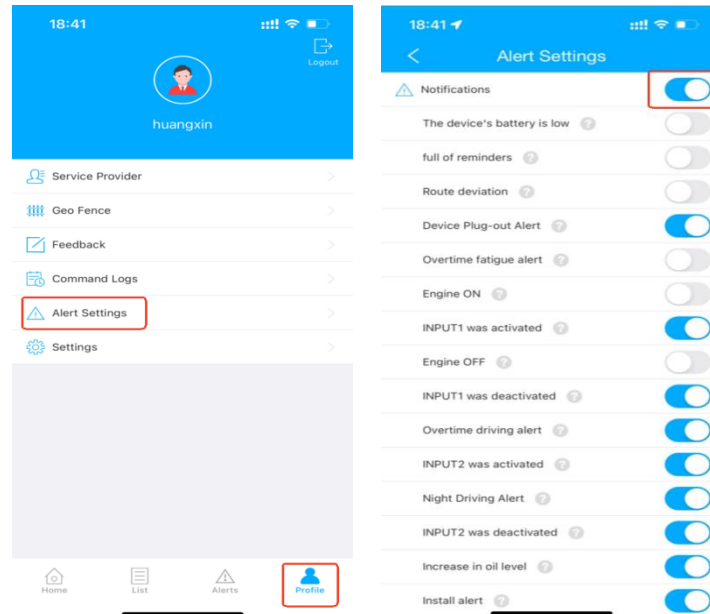
3) Alert Sound

You can set a notification receive ringtone in this tab.



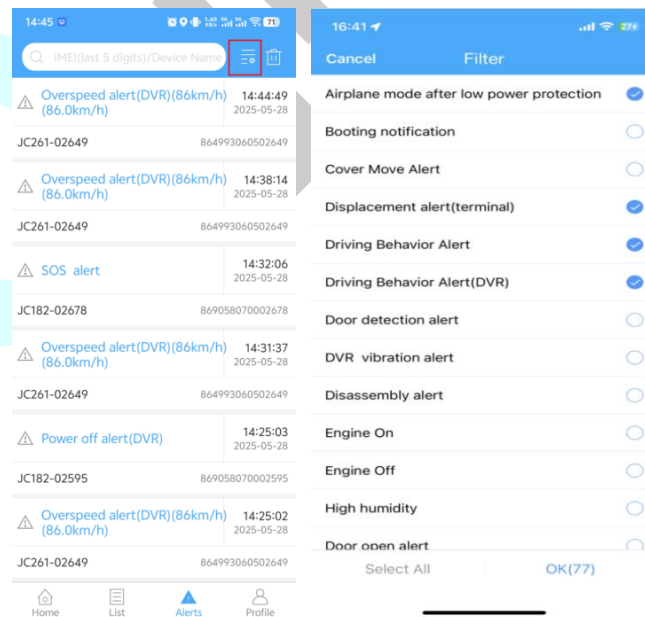
4.3.2 Mobile App

Some alert push feature on the platform is disabled by default. If you want to receive notifications after alerts are triggered, you can go to **Profile > Alert Settings** to enable the feature.



NOTE: The Notifications option allows you to toggle alerts globally.

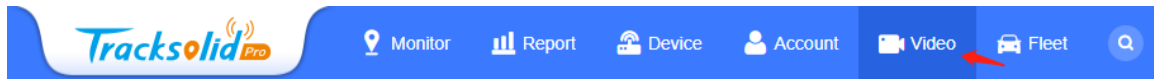
You also can set to filter specific alert types if needed.



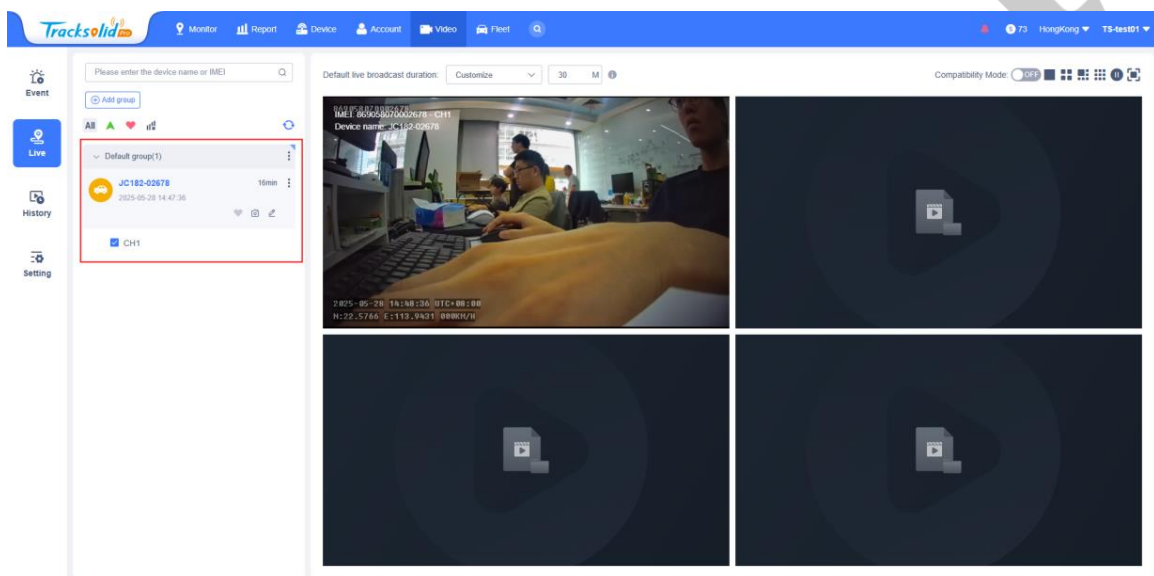
4.4 Live Video Streaming

4.4.1 Web Client

- 1) Make sure the power supply and the network connectivity of the device are normal and the camera has been correctly connected. Then log in to the web client and go to **Video > Live**.



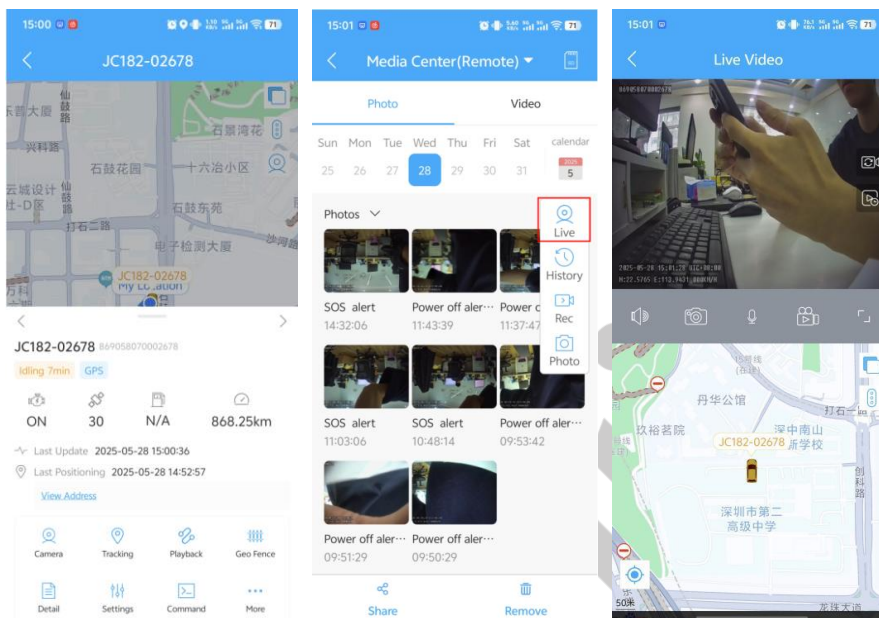
- 2) Click on the target device.



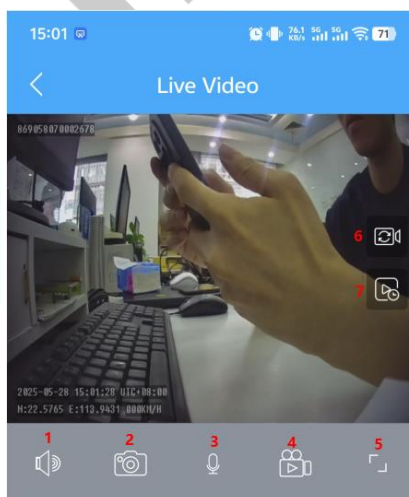
As the above figure shows, if you want to watch the live feed of a device, you can either specify the device name or IMEI in the search field or click on the device in the list. After you click on the device, the camera channel list will appear for you to select.

4.4.2 Mobile App

- 1) Make sure the power supply and the network connectivity of the device are normal and the camera has been correctly connected.
- 2) Tap on the target device, tap on the camera icon indicated by **Live**, then select a camera channel to stream, as the following figure shows:



- 3) After that, you can view the live feed of the device, as the above figure shows.
- 4) There have some controls which you may use at the same time, including:



- a) Speaker icon (🔊): Mute or unmute the audio with the live feed (① in the figure above);
- b) Camera icon (📷): Take a screenshot of the live feed (② in the figure above);
- d) Video camera icon (📹): Record live feed (④ in the figure above);

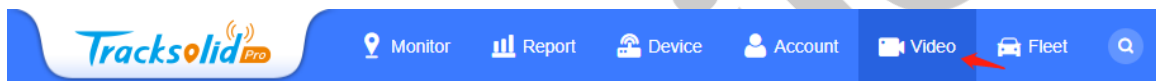
- e) Expand icon (🗑️): Watch the live feed in full screen (⑤ in the figure above);
- f) Camera switch icon (📷): Switch camera channel (⑥ in the figure above);
- g) Play icon (🎬): Go to historical video page (⑦ in the figure above).

4.5 Historical Videos Playback

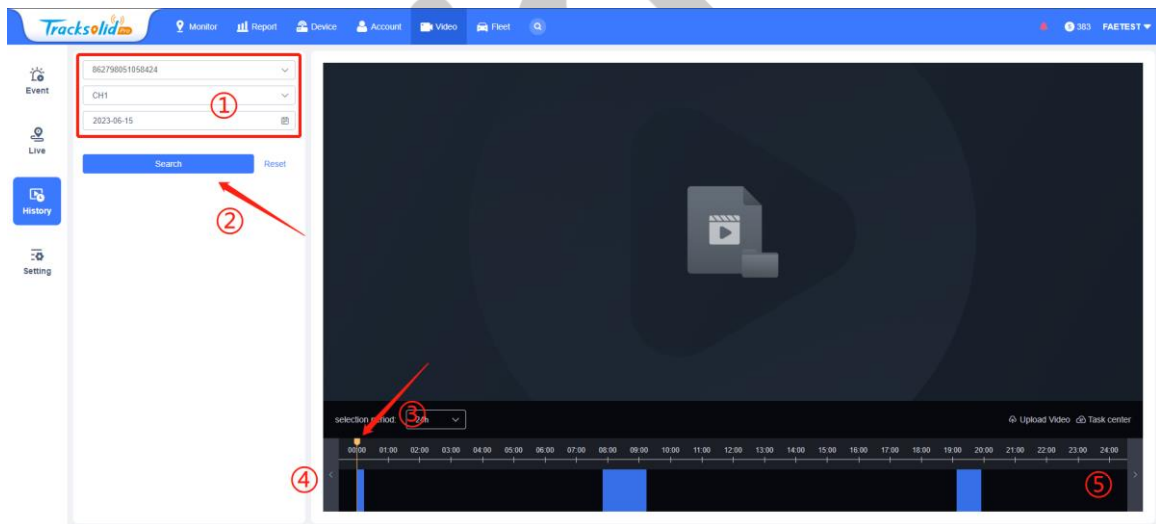
4.5.1 Web Client

Watch historical videos

- 1) Make sure the power supply and the network connectivity of the device are normal and the camera has been correctly connected. Then log in to the web client and go to **Video > History**.

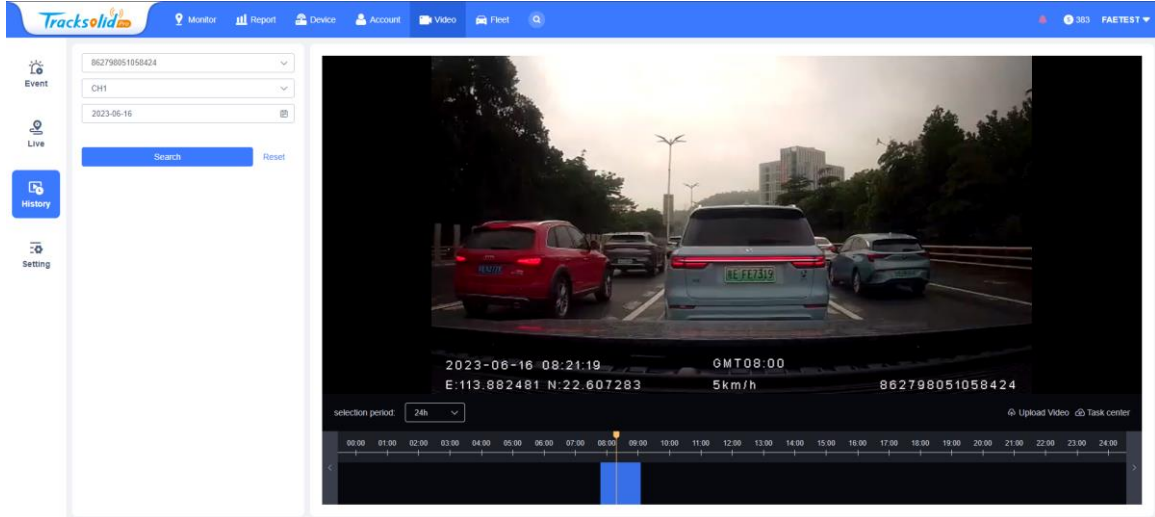


- 2) Select a device, whose historical video you would like to watch.



- a) Specify a device in the **Select device** field (① in the figure above);
- b) Select a camera channel from the drop-down list and a date from the calendar, then click **Search** (② in the figure above);
- c) Drag the progress slider to review the desired footage (③ in the figure above), then the historical video will start to play as the following figure shows.

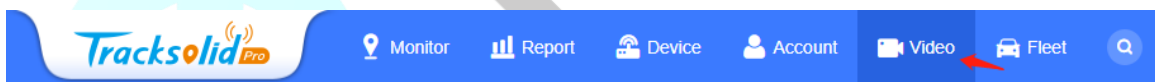
- d) During playback, you can still drag the progress slider to view historical videos of different events that happened on the same day (③ in the figure above). You can also watch the video of the last or the next minute by clicking on the arrow button (④ and ⑤ in the figure above).



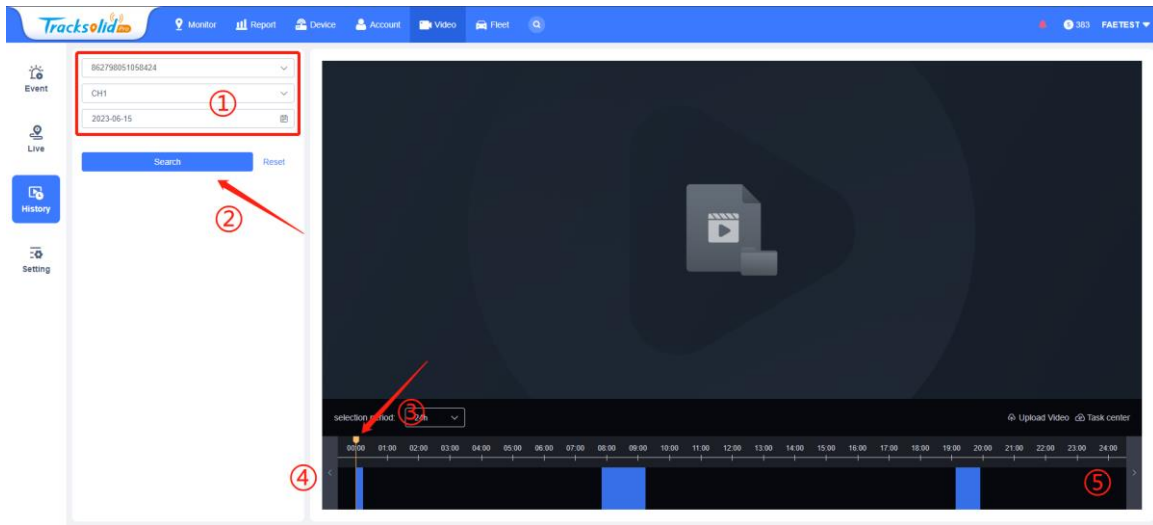
Upload historical video to server and download to your laptop

The historical videos are saved in JC182's MicroSD card, so if you want to download and save the videos remotely, you need to follow the steps below:

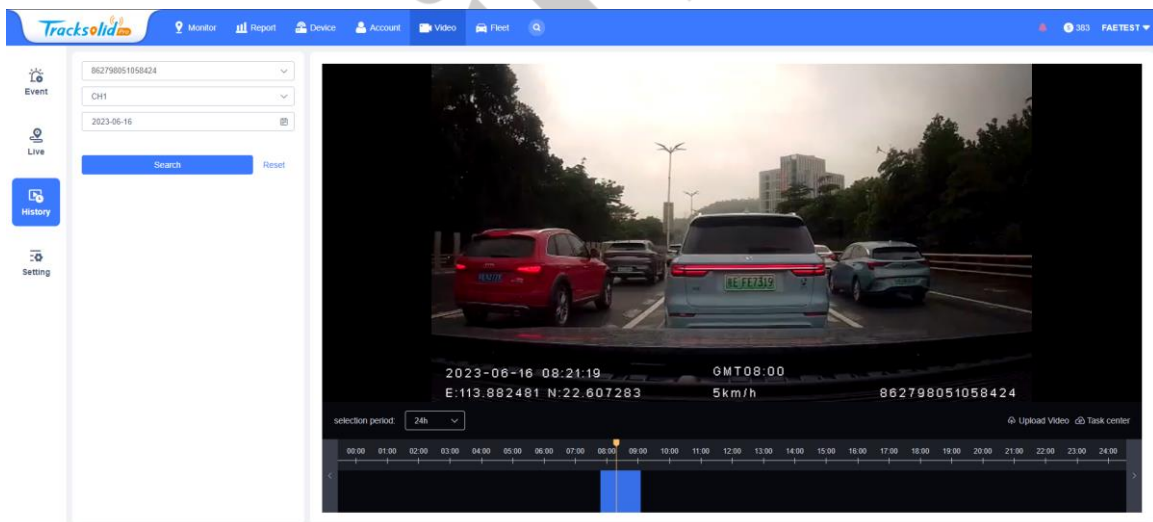
- 1) Make sure the power supply and the network connectivity of the device are normal and the camera has been correctly connected. Then log in to the web client and go to **Video > History**.



2) Select a device via the drop-down list.



- a) Specify a device in the **Select device** field (① in the figure above);
- b) Select a camera channel from the drop-down list and a date from the calendar, then click **Search** (② in the figure above);
- c) Drag the progress slider to review the desired footage (③ in the figure above), the historical video will start to play as the following figure shows.

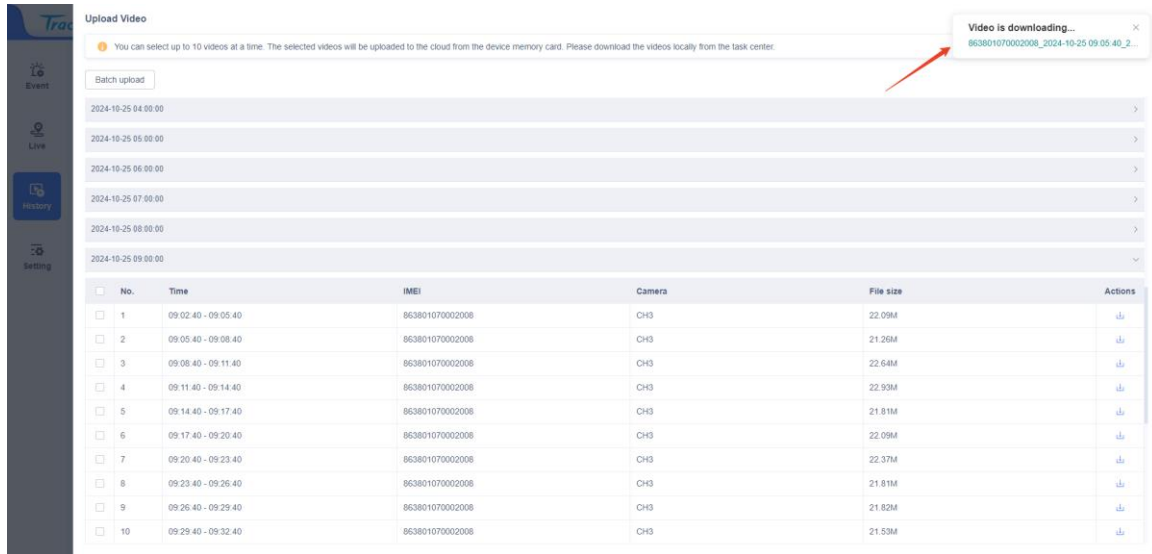


- 3) Click **Upload Video**, you will be directed to the **Upload video** page, as the following figures show:

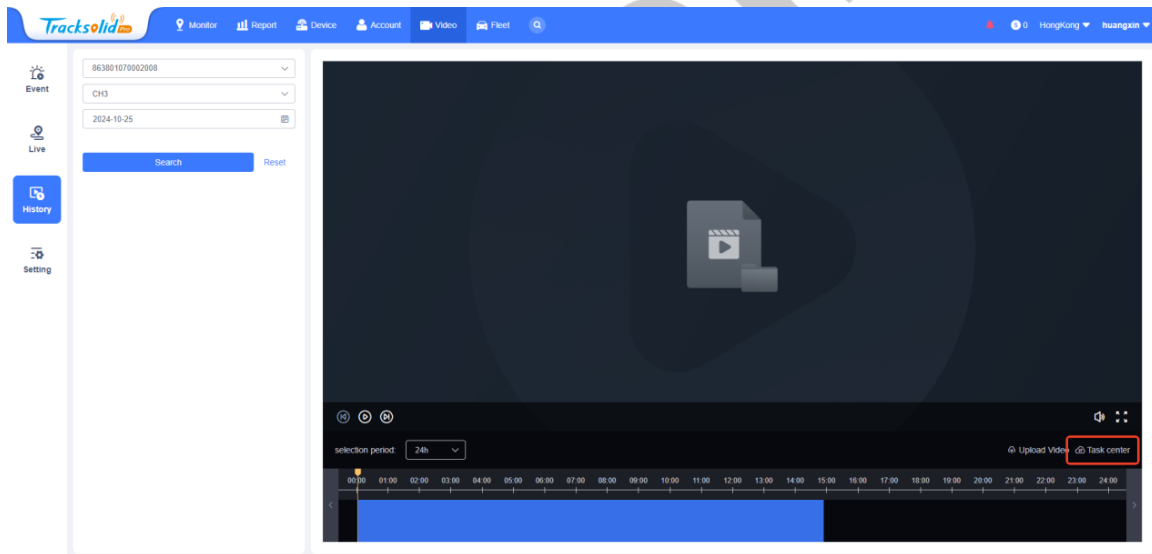


- 4) Choose the video which you want to upload, click on the **Download** icon, then the device starts to upload the historical video file to the server, as the following figures show:

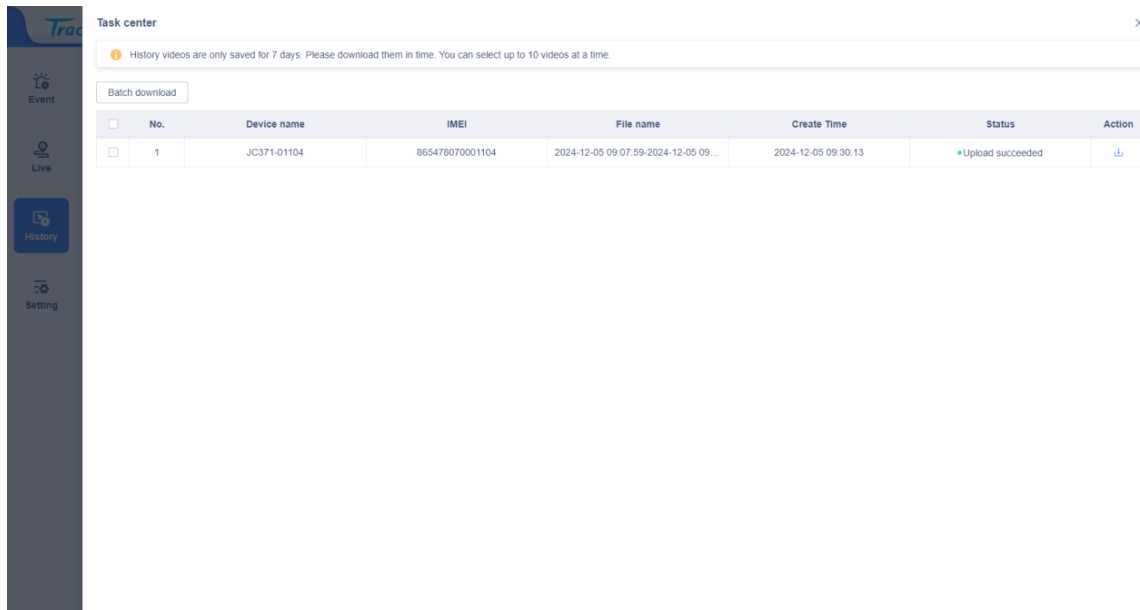




5) The upload speed depends on your internet speed, after a while you can click on **Task center** to go to the corresponding page, as the following figure shows:



6) Click the **Download** icon if the status changes to "Upload succeeded", as the following figure shows:

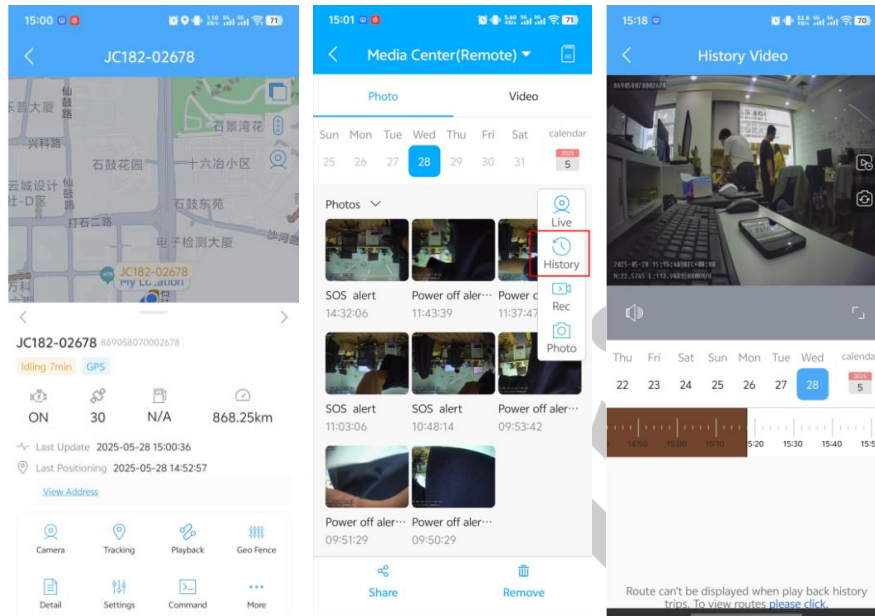


7) Please note, in the **Task center** page, you can see the tasks from all units under this account, and you can only query the task list 24 hours before the current time point, so please download it in time.

4.5.2 Mobile App

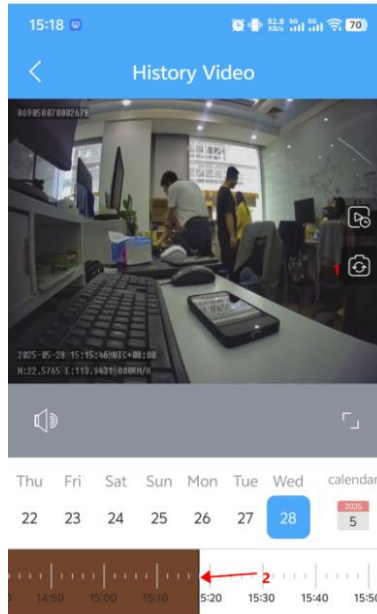
Watch historical videos

- 1) Make sure the power supply and the network connectivity of the device are normal and the camera has been correctly connected.
- 2) Tap on the target device, tap on the icon indicated by **History**, as the following figure shows:



- 3) After that, you can view the historical video of the device, drag the progress slider to the time point to review the desired footage, then the historical video will start to play, as the above figure shows.

- 4) During playback, you can still drag the progress slider to view historical videos of different events that happened on the same day (② in the following figure). If you want to watch historical videos from another channel, click the camera switch icon (① in the following figure).



4.6 Event-Triggered Video Upload

4.6.1 Web Client

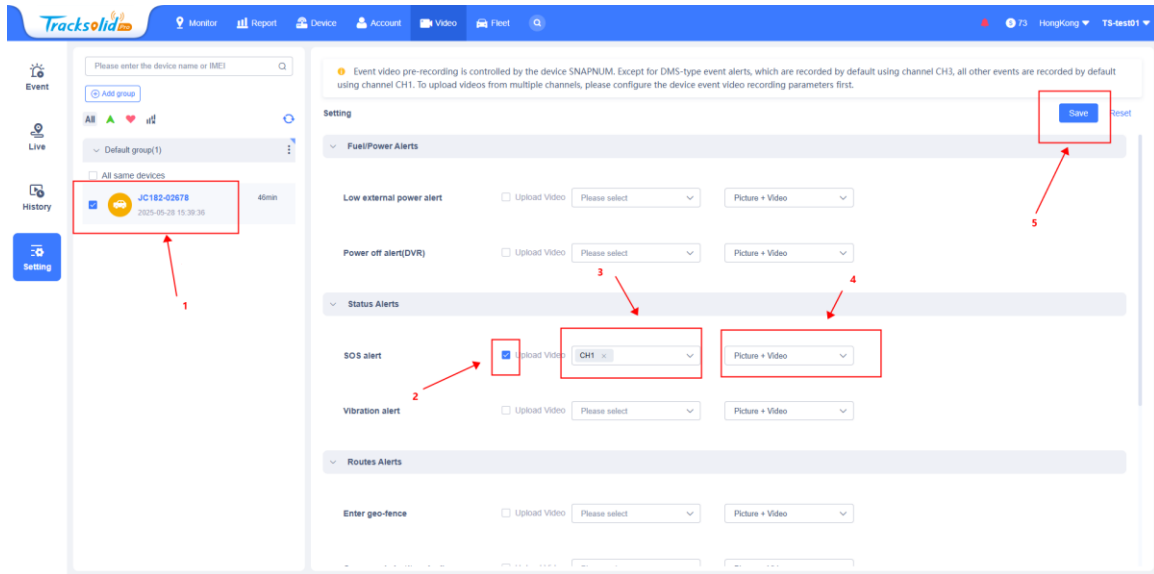
Event Video Upload Configuration

By default, the device may not upload event videos to the platform. However, you can enable the event video upload feature via the platform.

Set method:

Go to **Video > Setting** and click on the target device to enable the upload feature and select the camera channel to capture the event video.

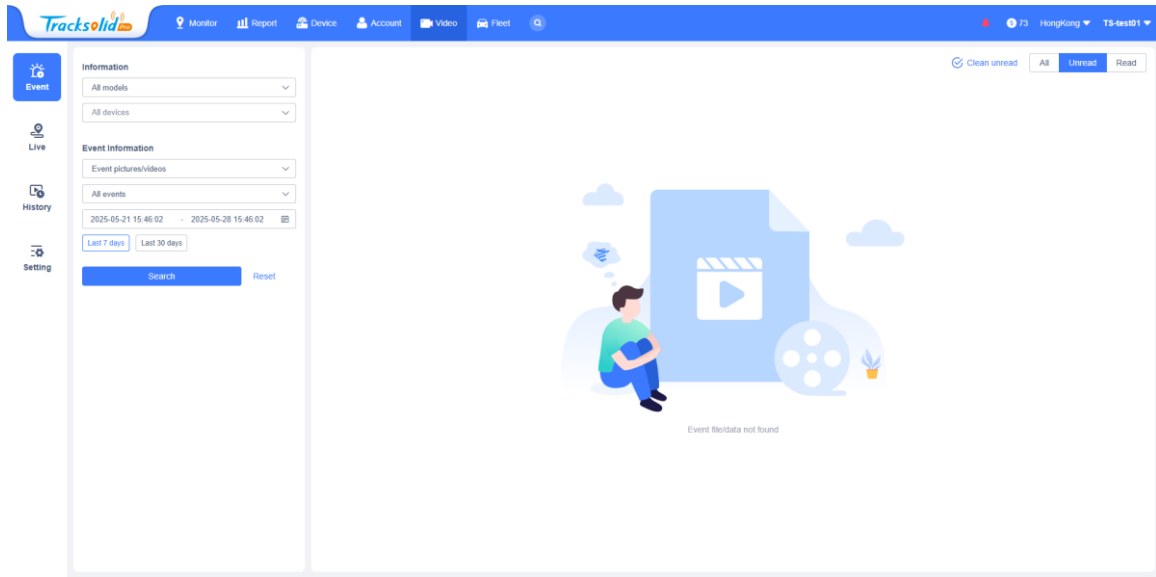
The following describes the specific operations to enable the feature to upload event videos triggered by SOS button activations (example):



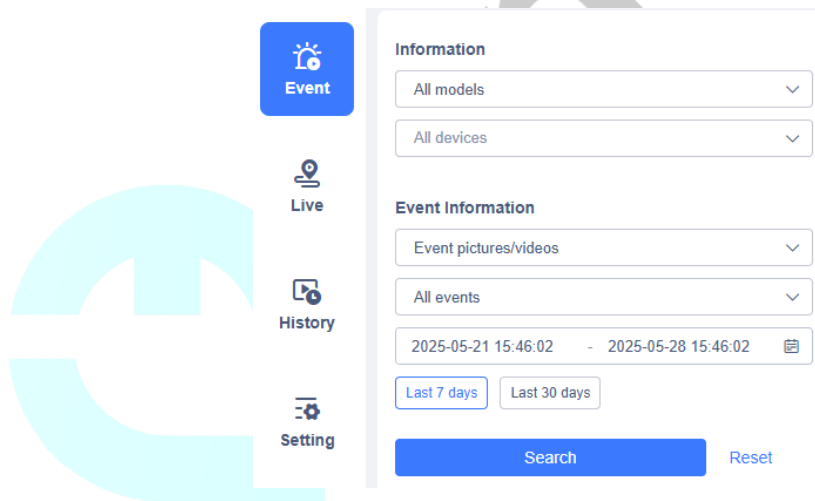
- 1) Set the **SOS alert** to **ON** (② in the figure above)
 NOTE: Select the device prior to setting (① in the figure above);
- 2) Select from the drop-down list the camera channel that will capture the video if such an alert is triggered (③ in the figure above).
- 3) Select from the drop-down list the attachment type(s) to upload (④ in the figure above) if such an alert is triggered;
- 4) After the setting is complete, click on **Save** to save the setting.

View Event Video

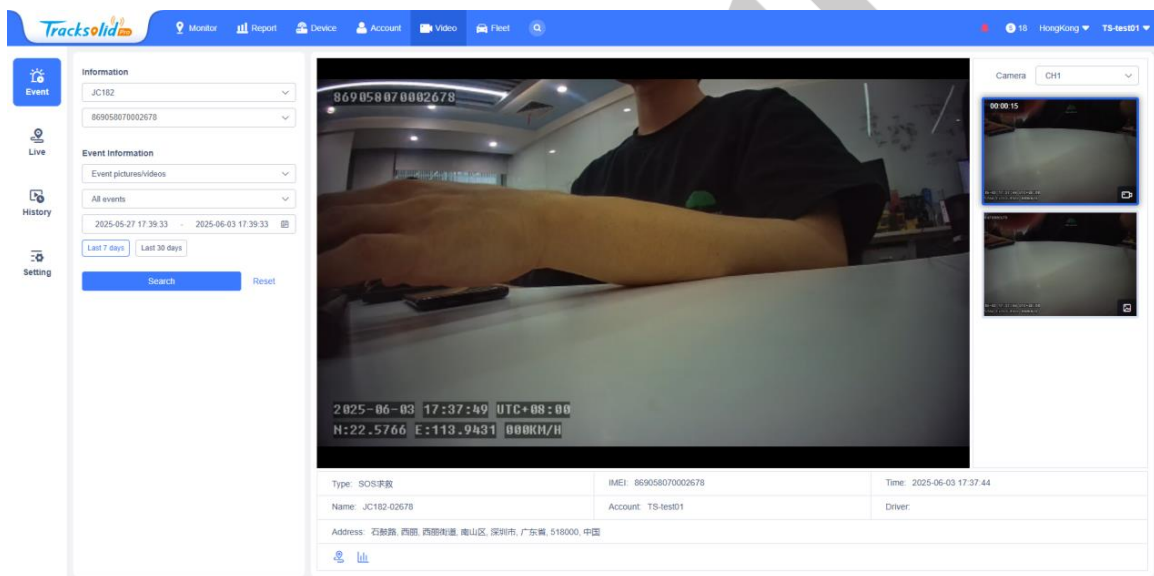
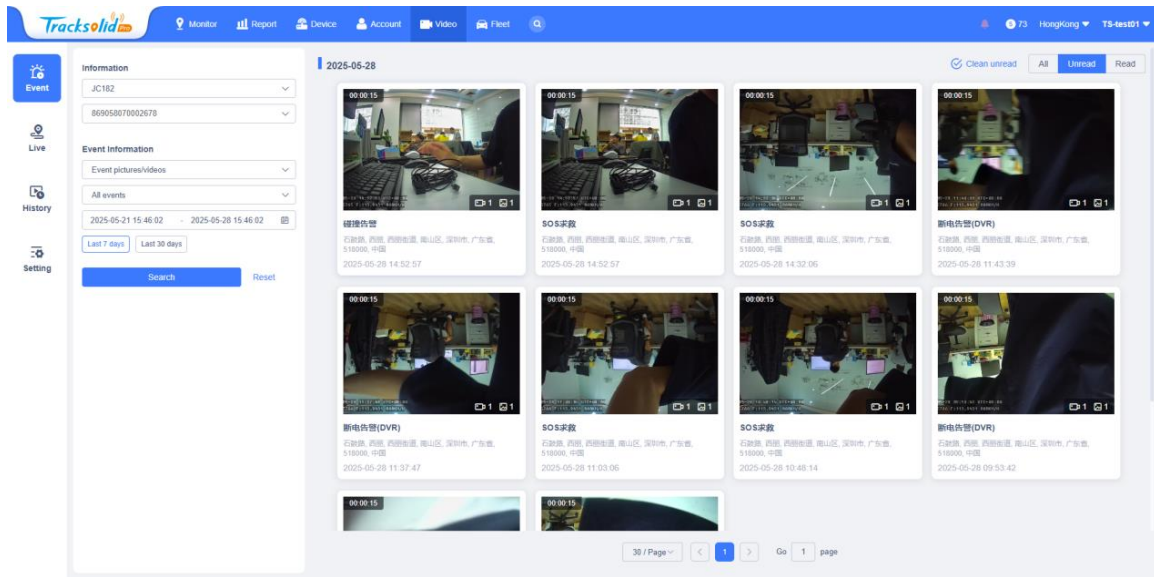
1) To view event videos, go to **Video > Event**;



2) Search for event videos by specifying parameters such as IMEI, device name, group, camera channel, capture time, and event type, as the following figure shows:



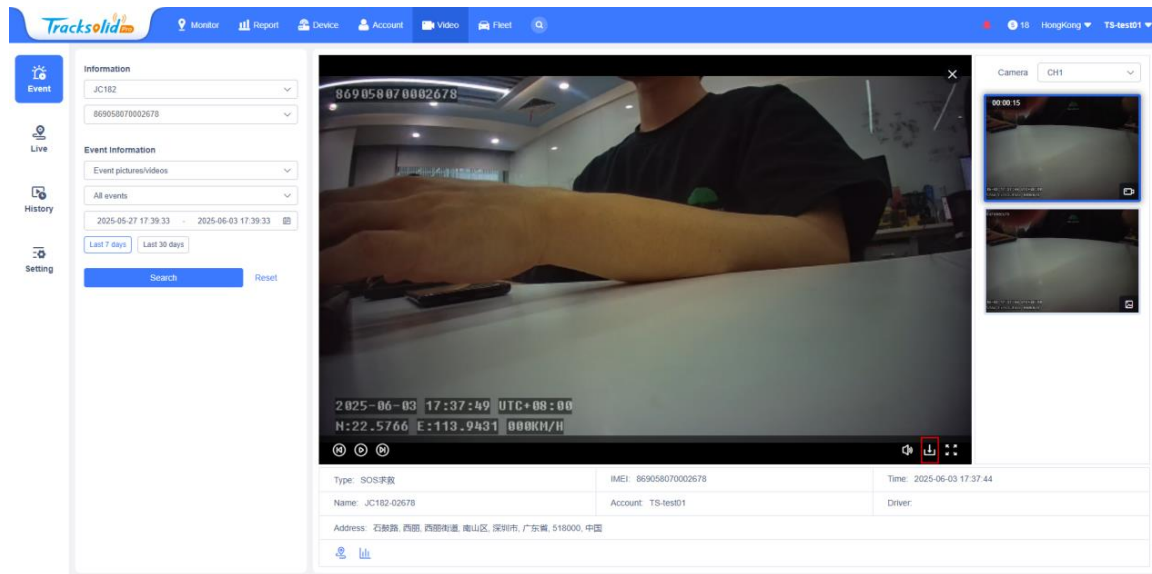
3) Click **Search**, then click on the event video to play.



If you have set to upload event videos captured by both cameras, you can specify the **All states** field to filter out videos captured by different cameras.

The video also indicates the device state and other related information at the time the event happened.

If you would like to download the video to your local storage, click the **Download** icon on the video.



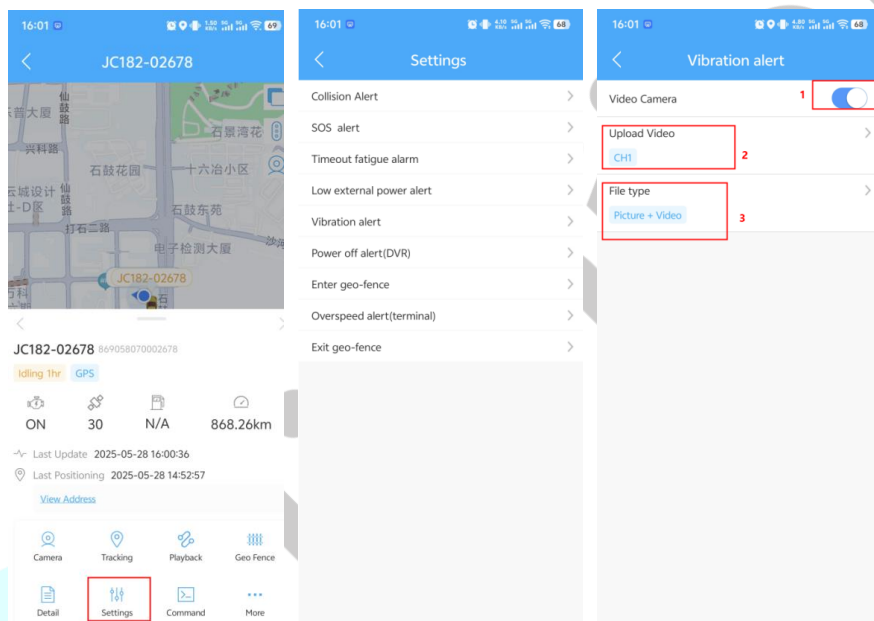
4.6.2 Mobile App

Event Video Upload Configuration

By default, the device may not upload event videos to the platform. However, you can enable the event video upload feature via the platform.

Set method:

1) Tap on the target device, swipe up to unfold the info bar, tap on **Settings**, as the following figure shows. The following describes the specific operations to enable the feature to upload vibration triggered event videos (example):

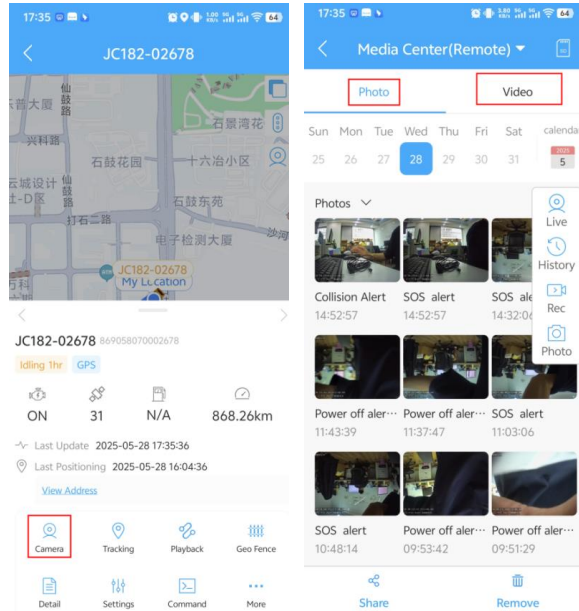


- 2) Set the **Vibration Alert** to **ON** (① in the figure above)
- 3) Select from the drop-down list the camera channel that will capture the video if such an alert is triggered (② in the figure above).
- 4) Select from the drop-down list the attachment type(s) to upload (③ in the figure above) if such an alert is triggered;
- 5) After the setting is complete, click on **Save** to save the setting.

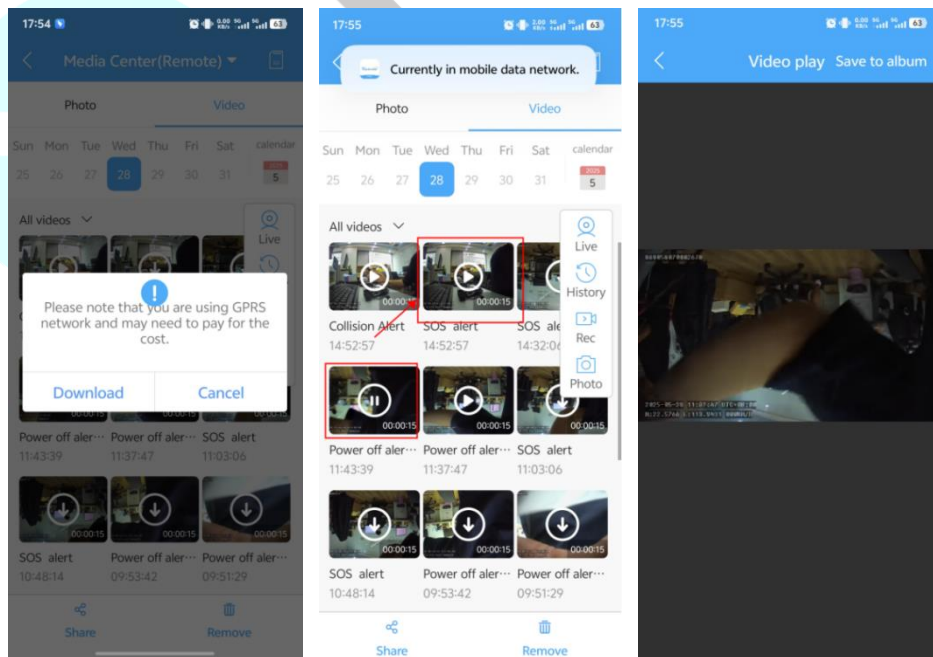
View Event Video

Method 1:

- 1) Tap on the target device, tap on the **Camera** icon, as the following figure shows:

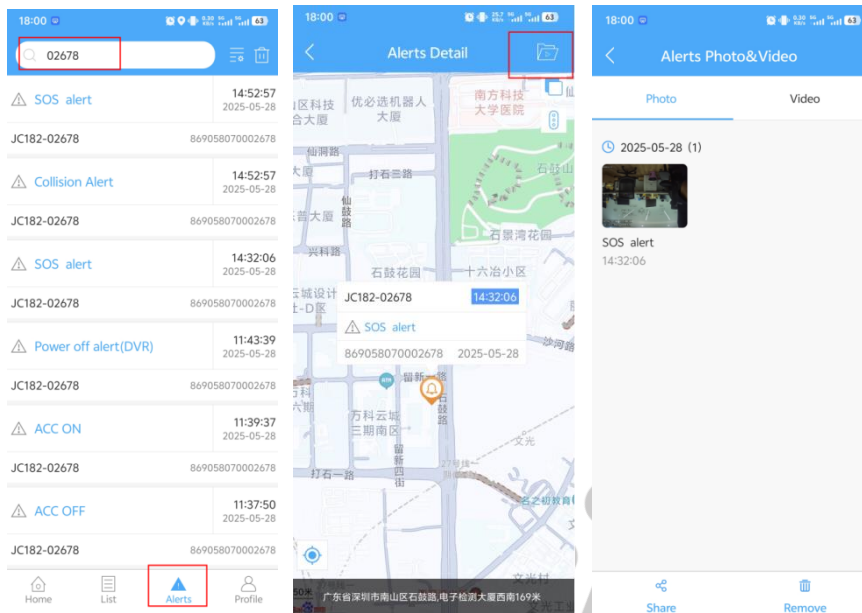


- 2) Go to the **Media Center (Remote)** page, all event images, screenshots, and event videos appear, as the above figure shows:
- 3) Choose the file which you want to watch and click the **Download** icon. After the download is complete, you can view or display it, as the following figure shows:



Method 2:

1) Go to **Alerts** and search the target unit, as the following figure shows:



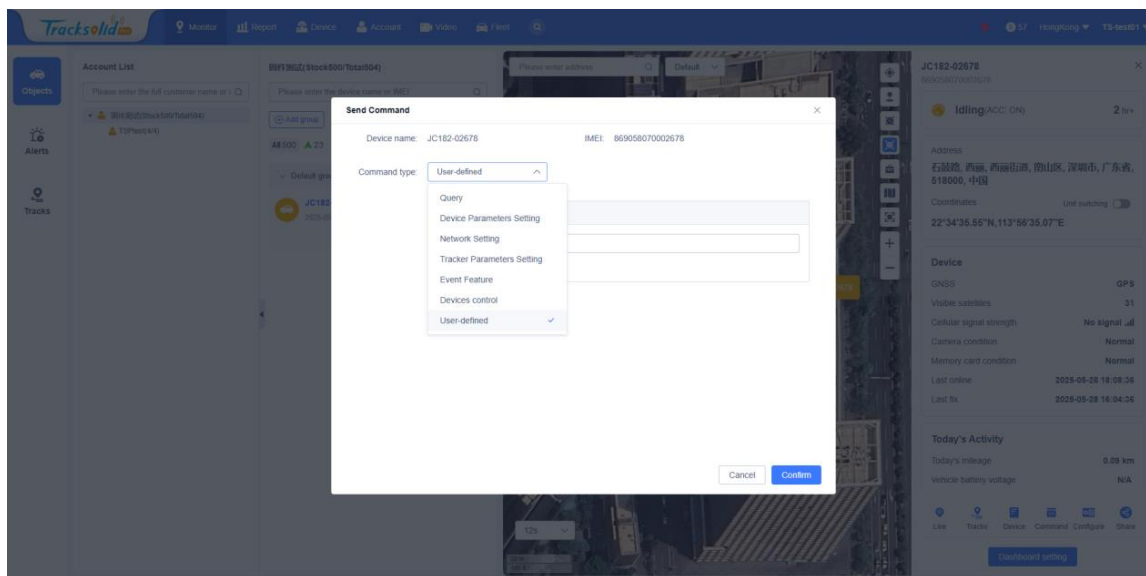
2) Tap on a desired **Alert message** and you will be navigated to the **Alerts Detail** page. Tap on the **File** icon at the upper right corner, then you can see the associated **Event video**, as the above figure shows.

4.7 Command Sending

4.7.1 Web Client

1) Send commands to a target device, do as follows:

a) Go to **Monitor** and click on the **More (:)** icon following the target device ;

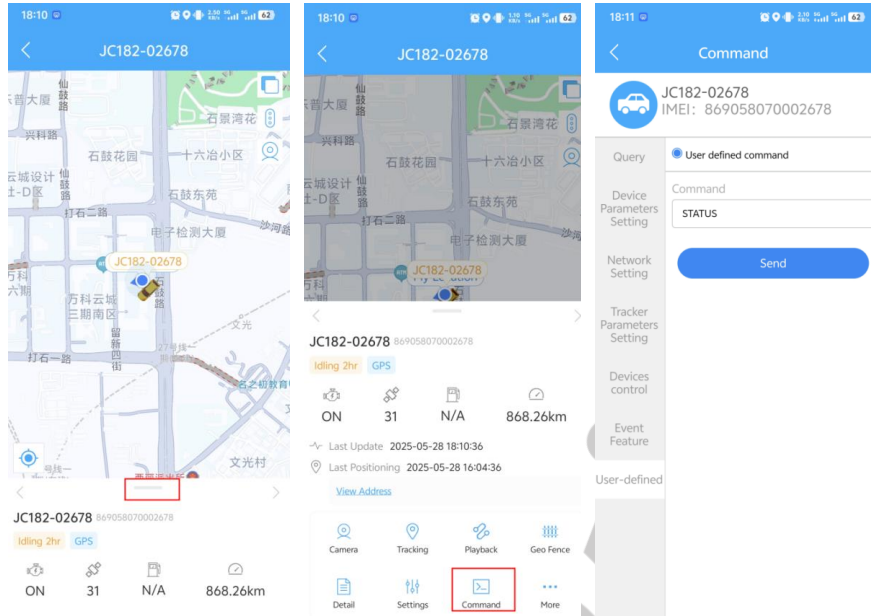


b) Click on **Device Command**, and the **Send Command** dialog appears;

c) Then follow the instruction and send the command.

4.7.2 Mobile App

- 1) Go to **List** and tap on the target device, swipe up to unfold the info bar, tap on **Command**, as the following figure shows:

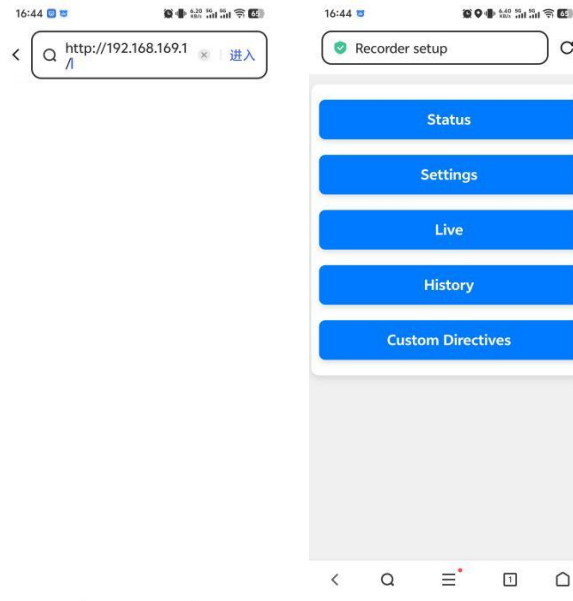


4.8 MicroSD card Video Retrieval

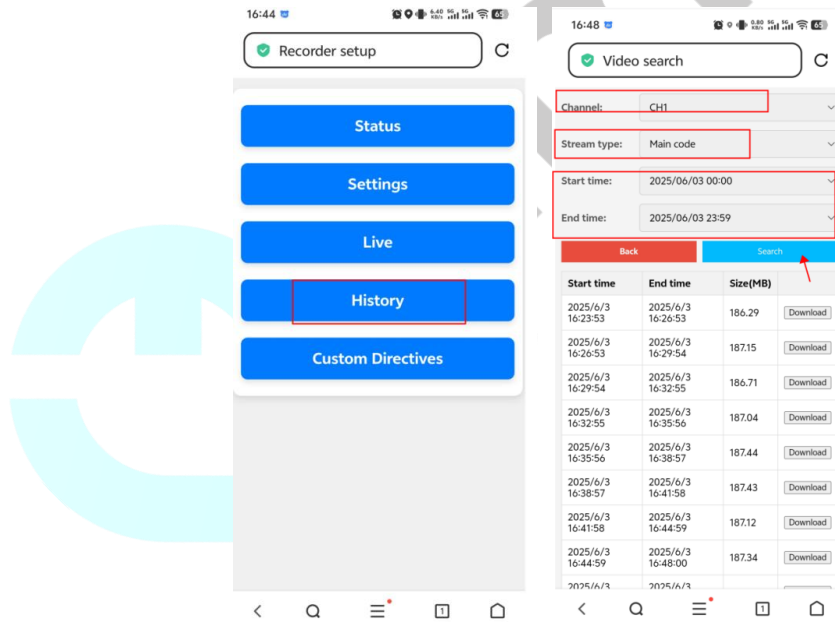
- 1) After powering on the JC182, its hotspot (named "JC182-xxxxxxx", where "XXXXXXXX" represents the last 8 digits of the device IMEI) will appear in the network list under **Setting** > **WLAN** on your mobile phone. The default password is the last 8 digits of the device IMEI.



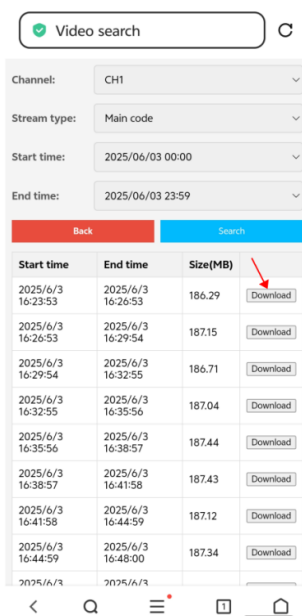
2) Open a browser on your mobile phone and navigate to <http://192.168.169.1/>.



3) Tap **History**, select **CH1** for the channel, choose **Main code** for the stream type, specify the **Start time** and **End time**, then tap **Search** (as shown in the figure below). A list of eligible videos appears in a list.



4) Tap **Download** to save the corresponding video file to your mobile phone's local storage.



5) Wait about 4 minutes for the download to complete. You can then play the video directly on your mobile phone.

