

JC400 Series Operator's Manual

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Chapter 1 Introduction

1.1 Description

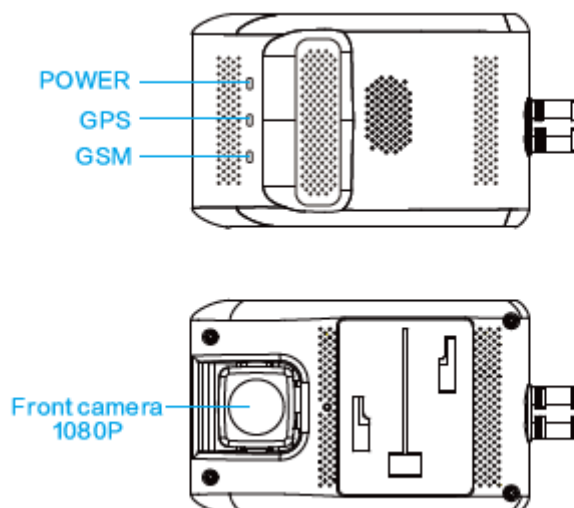
JC400 series AIVision cams use 4G network for communication. For these dual-channel digital video recorders (DVRs), except to be able to record simultaneously, the two cameras can also record locally and live stream remotely at the same time. The front-facing HD camera is used for real-time recording; while the cabin-view camera with IR LED for monitoring at night time. Combined with DMS, driving behavior analysis, multiple alert options, and much more, they can assist the management in monitoring the vehicle condition and the driver's behavior at any time. This is very useful to coach driver's behavior, improve management efficiency, and lower operation cost, making JC400 series an ideal option for remotely managing ridesharing, rental, public, government, and enterprise fleets.

1.2 Main Features

- Remote video surveillance and GPS-based positioning and tracking
- SOS alert
- Dangerous driving behavior analysis
- DMS-based driver fatigue pre-warning (optional)
- Dual-channel simultaneous and loop video recording
- Remote pictures and videos obtainment
- Auto upload of event videos
- Real-time remote monitoring
- Viewing and playback of history footages
- Remote fuel/power cutoff

Chapter 2 Hardware

2.1 Appearance




Product Model	JC400/JC 400D
Camera	1920x1080/25FPS/F2.0/Full color

2.1.1 Subcameras

Product Model	JC400P	Integrated Version
Camera	Built-in/1280x720/15FPS/F2.0/Full color in daytime and monochrome in dim light/No remote camera	
Usage	Monitor the cabin	

Product Model	JC400	Remote Cabin-View Version
Camera	Remote AHD camera/1280x720/15FPS/F2.0/Full color in daytime and monochrome in dim light	
Usage	Monitor the cabin	

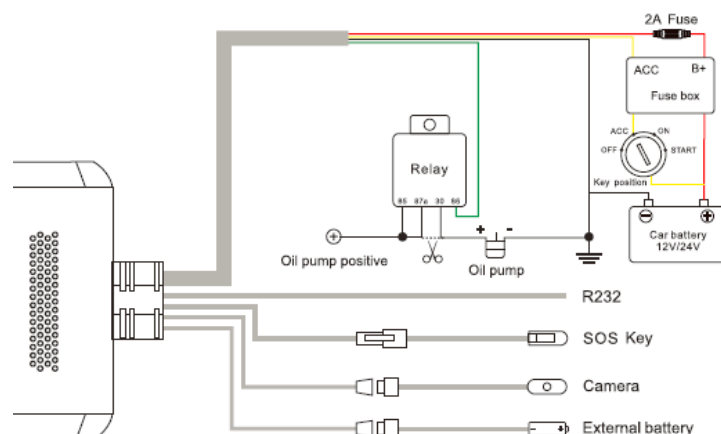
Product Model	JC400D	DMS Version
Camera	Remote AHD camera/1280x720/15FPS/F2.0/Monochrome all day	
Usage	Monitor the driver's head	

Refer to the specifications and features of the product model you purchased. If you have any questions, please contact your supplier.

2.1.2 LEDs

LED	Color	Connotation	Status
Power (PWR) LED	Red	Solid on	Device powered on (ACC ON)
		Blink every 10s	Device in sleep (ACC OFF)
		Off	No power connected
GPS LED	Green	Solid on	GPS signal normal
		Blink every 1s	Searching for GPS satellites
		Off	Device in sleep (ACC OFF)
GPRS LED	Blue	Solid on	Network healthy
		Blink every 1s	Network error No SIM
		Off	Device in sleep (ACC OFF)
Defense LED	Blue	Fast blink for 30s	Vibrating alert triggered
		Blink every 10s	Defense on
		Off	Defense off

2.2 Interfaces



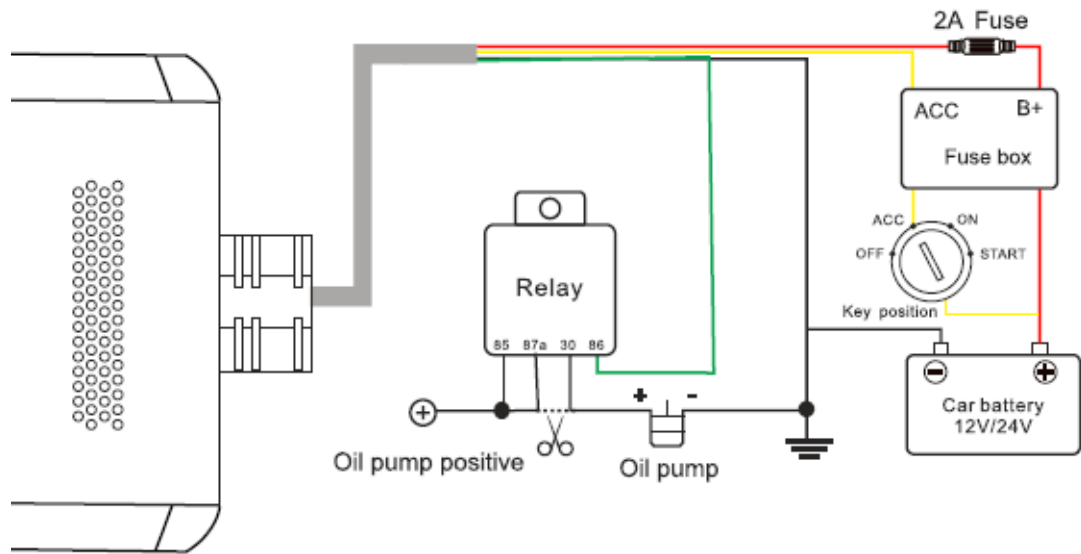
Cable	Definition	Color/Interface	Usage
Power	B+	Red	To battery positive (9–30V), power input
	GND	Black	To battery negative, power input
	ACC	Yellow	To ACC ON/Positive (9–30V), power input
	Relay	Green	To relay for remote power and fuel cutoff
R232	RX	Dark blue	To peripheral for receiving signals
	TX	Purple	To peripheral for transmitting signals
	5V	Sky blue	To 5V supply for powering the peripheral
	GND	Gray	To negative for powering the peripheral
SOS	SOS	Interface	To the external SOS key
Cam	Remote camera	Interface	Monitor the cabin. It is optional.
Battery	External battery	Interface	To provide 450mAh backup battery for the device to protect it against power outage resulted from sudden power disconnection.

2.3 Installation

This chapter illustrates the following content: attach SIM and TF cards and install the main unit and the subcameras (remote AHD camera and DMS camera). For details about installation procedure, see *JC400 Series AIVision Cam User Manual*.

2.3.1 Relay

The wiring diagram is as follows:



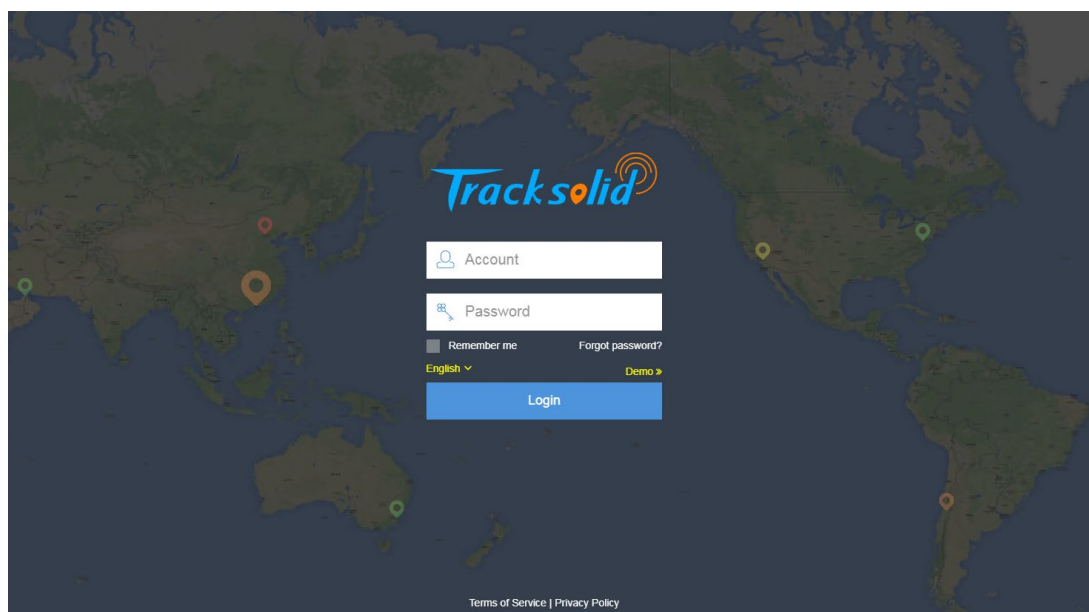
Chapter 3 Configuration Details

3.1 Tracksolid Login and Logout

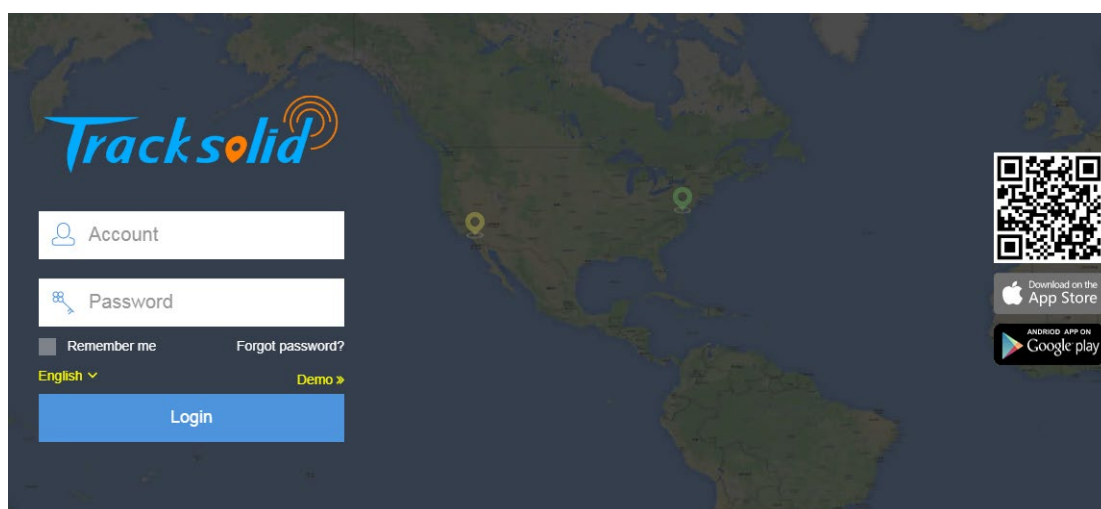
3.1.1 Login

Note: The account and password for Tracksolid (the platform) is provided by the supplier or operator.

A test account that contains 15 languages is offered to showcase all features on Tracksolid.

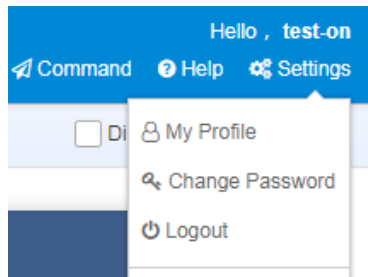


You can scan the QR code or click App Store or Google play to download Tracksolid to your mobile.



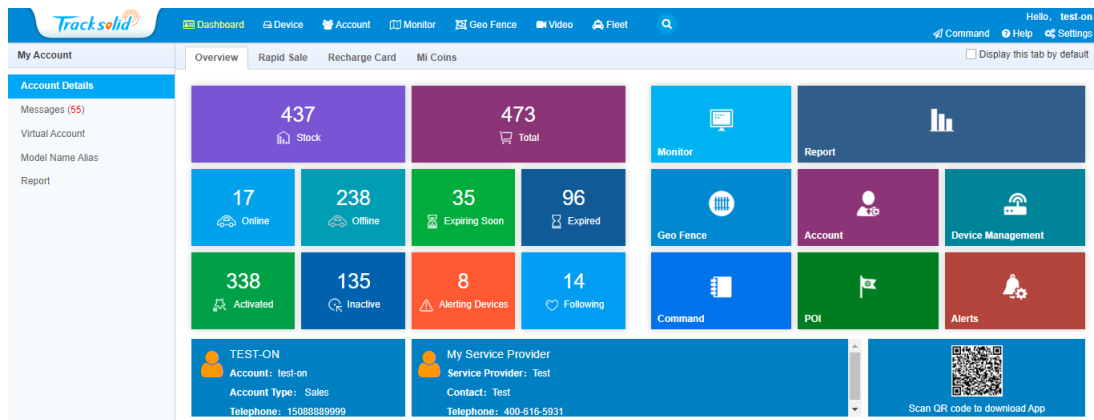
3.1.2 Logout

Go to **Settings** and click **Logout** on the upper right corner of the interface.



3.2 Account Overview

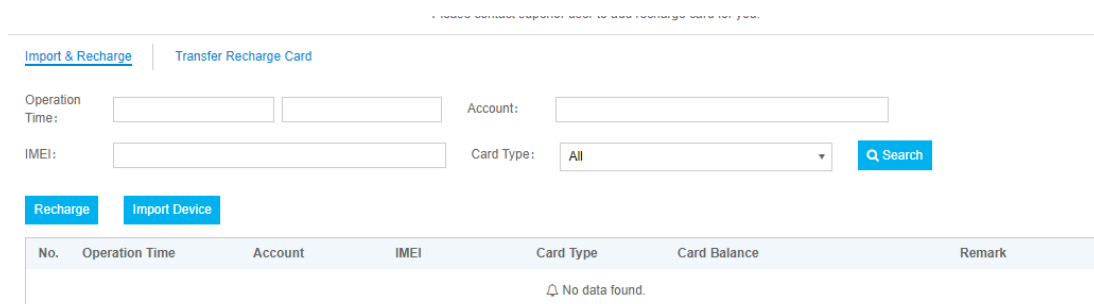
The **Dashboard** (as follows) presents the overall information of the entire platform and offers some shortcuts for quick access.



3.2.1 Recharge Card

Use of the card

The following tab allows you to recharge devices in batch or pay for a specific device by IMEI.



Transfer of the card

The following tab enables you to transfer a recharge card to another account.

Overview Rapid Sale Recharge Card **Mi Coins** Display this tab by default

No recharge card.
Please contact superior user to add recharge card for you.

Import & Recharge [Transfer Recharge Card](#)

Operation Time:

Card Type: From Account:

Operation Type: To Account:

No.	Operation Time	From	To	Card Type	Qty	Card Balance	Operation Type	Remark
⚠ No data found.								

3.2.2 Mi Coin

Import & Renewal

Go to **Account Details > Mi Coins > Import & Renew** and the following interface appears.

[Import & Renew](#) [Transfer Mi Coins](#)

Operation Time: IMEI:

No.	Operation Time	Total Price	Mi Coins Balance	Remark	Actions
1	2020-07-08 10:36:33	56	4		Detail

20 < 1 >

Specify **Operation Time** and **IMEI** and click **Search**. On this tab, you can import the renewal file for multiple devices or renew a specific device.

Transfer of Mi Coins

This tab enables you to transfer Mi Coins in one account to another.

Mi Coins Balance: 4

[Import & Renew](#) [Transfer Mi Coins](#)

From Account: To Account:

Operation Time: Operation Type:

Total transfer: 0 Mi Coins

No.	Operation Time	From	To	Amount	Mi Coins Balance	Operation Type	Remark
1	2020-07-08 10:05:21		test-on	60	60	System Deposit	王雄申请设备导入

20 < 1 >

3.3 Device Management

No.	Account	Device Name	IMEI	Model	Activated Date	SIM	Expiration Date(P)	Expiration Date(U)	Status
<input type="checkbox"/>	1	test123	GT310-17219	355087090017219	GT310	2018-04-21	2019-04-21	2019-04-21	Enabled
<input type="checkbox"/>	2	test123	GT800-94146	351510090194146	otrochile	2018-04-20	2019-04-21	2019-04-21	Enabled
<input type="checkbox"/>	3	test123	GK310-53927	358739051453927	GK310	2018-04-20	2019-04-21	2019-04-21	Enabled
<input type="checkbox"/>	4	test123	GT08-58877	351777090858877	GT08	2018-04-20	2019-04-21	2019-04-21	Enabled
<input type="checkbox"/>	5	test123	Wetrack Lite-96719	352503090496719	Wetrack Lite	2018-04-20	2019-04-21	2019-04-21	Enabled
<input type="checkbox"/>	6	test123	GT310-65250	868120181465250	GT310	2018-04-19	2019-04-20	2019-04-20	Enabled
<input type="checkbox"/>	7	test123	GT06E-54440	351608082554440	GT06E	2018-04-18	2019-04-19	2019-04-19	Enabled
<input type="checkbox"/>	8	test123	MT200-61359	351777090461359	QBIT	2018-04-18	2019-04-19	2019-04-19	Enabled
<input type="checkbox"/>	9	test123	GT800-78089	351510090278089	otrochile	2018-04-12	2019-04-12	2019-04-12	Enabled
<input type="checkbox"/>	10	test123	GT800-85984bbbb	351510090285984	otrochile	2018-04-12	2019-04-13	2019-04-13	Enabled

As the above figure shows, the **Device** interface offers the following features:

- **Import devices:** This enables you to import devices into the platform by license code or recharge card, after which you can start to use the platform to track your devices.
- **Search for devices:** This enables you to search for devices by different criteria. The **Expiration** tab on the left enables you to search for expired or expiring devices.
- **View/edit device:** These enable you to view and edit tracking devices, such as basic information, alert settings, and more. Tracksolid enables you to update device information by Excel files.
- **Move device:** The platform enables you to move devices in batch to a subaccount.
- **Export device:** This enables you to export information about selected devices or devices that meet your filtering criteria as an Excel file.
- **Send command/set work mode:** These enable you to synchronize commands or work modes to devices.
- **Enable/disable devices:** These enable you to stop or resume the operation of devices.
- **Recharge devices:** This enables you to renew devices by license or recharge card.

3.3.1 Importing Devices

DVRs must be imported before you can control them via Tracksolid. The platform enables you to import devices by Mi Coin, by recharge card, or by license.

1. By Mi Coin

Click **Import Device** and **By Mi Coins** and select a product model and service type to view the unit price. JC400 is used as an example in this case. Then select the account to import and the application scenario, enter IMEIs of the devices to import, and click **OK**.

By Mi Coins	by Card	by License	By Mi Coins	by Card	by License
Model: *	Please select		Model: *	JC400	
Service Type:*	Please select		Service Type:*	Import (First Year)	
Unit Price:	Please select model and service type		Unit Price:	12 Mi Coins/Unit	
To account :	TEST-ON		To account :	TEST-ON	
Application:	<input checked="" type="checkbox"/> Allow to be bound by App account		Application:	<input checked="" type="checkbox"/> Allow to be bound by App account	
IMEI:	<div style="border: 1px solid black; height: 60px;"></div>		IMEI:	<div style="border: 1px solid black; height: 60px;"></div>	
Total: 0 Mi Coins			Total: 0 Mi Coins		
<input type="button" value="OK"/> <input type="button" value="Cancel"/>			<input type="button" value="OK"/> <input type="button" value="Cancel"/>		

2. By recharge card

Click **by Card**, select the card type, product model, and application scenario, enter IMEIs of devices to import, and then click **OK**.

Import Device ×

by Card **by License**

Card Type: Please select

Application: Import(Annual) Card(3)

Model: Import(Lifetime) Card(3)

IMEI:

Total: 0

3. By license code

Click **by License**, download the template, select the application scenario and product model, import the filled-out template file, and click **OK**.

Import Device ✕

by Card
by License

Template file: Download the template

Application: 🚗 🚚 🚛 🚝 🚞 🚟 🚠 🚡 🚢 🚣 🚤 🚥 🚦 🚧 🚨 🚩 🚪 🚫 🚬 🚭 🚮 🚯 🚰 🚱 🚲 🚳 🚴 🚵 🚶 🚷 🚸 🚹 🚺 🚻 🚼 🚽 🚾 🚿 🛖 🛗 🛘 🛙 🛚 🛛 🛜 🛝 🛞 🛟 🛠 🛡 🛢 🛣 🛤 🛥 🛦 🛧 🛨 🛩 🛪 🛫 🛬 🛭 🛮 🛯 🛰 🛱 🛲 🛳 🛴 🛵 🛶 🛷 🛸 🛹 🛺 🛻 🛼 🛽 🛾 🛿 🚲 🚳 🚴 🚵 🚶 🚷 🚸 🚹 🚺 🚻 🚼 🚽 🚾 🚿 🛖 🛗 🛘 🛙 🛚 🛛 🛜 🛝 🛞 🛟 🛠 🛡 🛢 🛣 🛤 🛥 🛦 🛧 🛨 🛩 🛪 🛫 🛬 🛭 🛮 🛯 🛰 🛱 🛲 🛳 🛴 🛵 🛶 🛷 🛸 🛹 🛺 🛻 🛼 🛽 🛾 🛿

Model: Please select

Select file: Selected

1)IMEI must be 15 digits, not blank ;
2)The maximum rows of imports is 1000 for each time;

Ok
Cancel

The following figure is a fragment of the template file:

	A	B	C	D	E	F	G
	IMEI	License	Chip ID	Motherboard software version number	Secondary board software version number	Motherboard hardware version number	Secondary board hardware version number
1							
2	11111222233333	erfzds123412r4ewr214242dfgdr21					
3							
4							
5							

Note:

If the AMS validation error prompts, you are advised to re-confirm the validity of the IMEIs with your supplier or a customer service engineer to make sure that these IMEIs have already existed in the AMS.

3.3.2 Searching for Devices

You can search for devices via the common mode or advanced mode. An additional way to search for expiring or expired devices is via the **Expiration** tab.

Account
All Devices

All Expiration

All Models
 Sub-account devices

Search
Advanced +
Reset

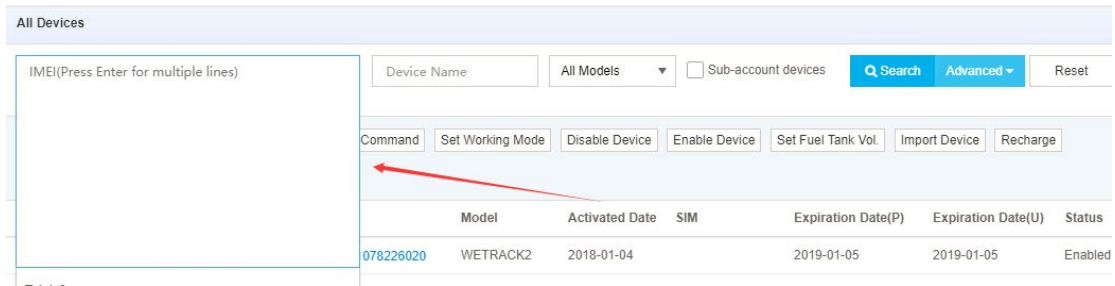
Customer Name/Account

- TEST-ON(Stock438/Total474)
- D(0)
- CQtest(0/0)
- DVR测试组专用(15/15)
- hcs(3/3)
- IPRO(1/1)
- K400dms(9/9)
- localzag(1/1)
- luis(0/0)
- MTEST(0/0)
- OTA(3/3)
- Shenzhen123(1/1)
- (0/0)

No.	Account	Device Name	IMEI	Model	Activated Date	SIM	Subscription Expiration	Expiration Date
<input type="checkbox"/>	1	test-on	JC400D-07405	353376110007405	JC400D	2020-07-28		2021-07-28
<input checked="" type="checkbox"/>	2	test-on	JC100-14363	357730090214363	JC100	2020-07-25		2021-07-26
<input type="checkbox"/>	3	test-on	JC400-97864	357730090697864	JC400	2020-07-22		2021-07-23
<input type="checkbox"/>	4	test-on	JC400-41370	353376110041370	JC400	2020-07-21		2021-07-22
<input type="checkbox"/>	5	test-on	JC400-00814	353376110000814	JC400	2020-07-21		2021-07-22
<input type="checkbox"/>	6	test-on	JC400-24376	353376110024376	JC400	2020-07-21		2021-07-22
<input type="checkbox"/>	7	test-on	AT6-20938	353549090720938	AT6	2020-07-17		2021-07-17
<input type="checkbox"/>	8	test-on	AE 1200 BB	353549090337592	AT6	2020-07-14		2021-07-15
<input type="checkbox"/>	9	test-on	LL01-01669	865282040001669	LL01	2020-07-14		2021-07-15
<input type="checkbox"/>	10	test-on	JC400-97252	357730090697252	JC400	2020-07-13		2021-07-14

1. Search by common mode

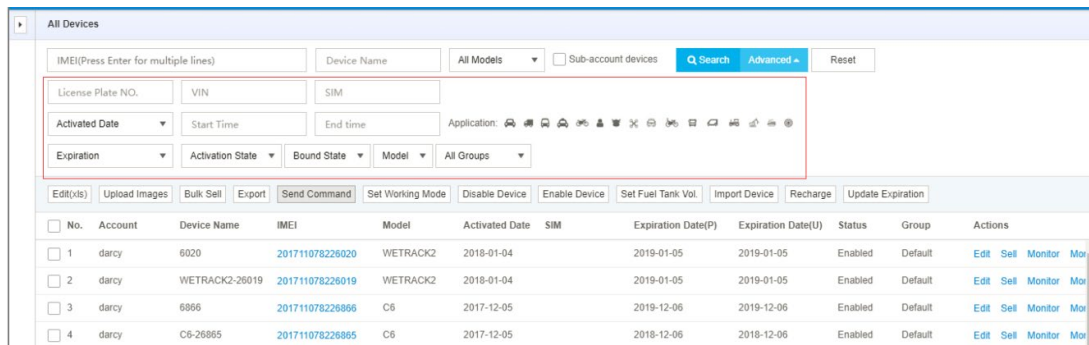
In common mode, you can search for a device(s) by IMEI(s), device name, product model, and subaccount devices.



Note: You can search for a device by entering the last 5-digit of its IMEI only.

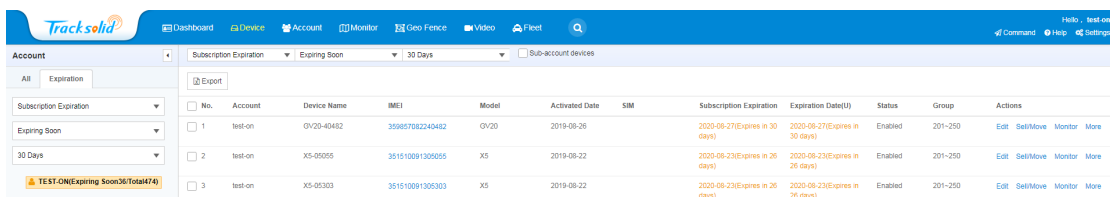
2. Search by advanced mode

The advanced mode enables you to search for devices by more refined criteria. The following figure shows the advanced search mode interface, see the Tracksolid operation guide for setting details.



3. Search via the Expiration tab

Click **Expiration** tab on the left to search for and filter devices by subscription or expiration status, as the following figure shows.



3.3.3 Viewing and Editing Devices

All devices are listed in the datasheet on Tracksolid by default. The **All** tab on the left displays the complete inventory and you can view device details by IMEI.

Drag your cursor to **Actions** following a device, then you can edit its details, sell or move it to another, playback its trips, configure commands, view alert details, etc.

● **Edit**

Click **Edit** and the following dialog appears, where four tabs are available for you to set or modify relevant information. See the Tracksolid operation guide for details.

Device Detail
✕

Basic Information
Other Information
Alerts
Sensors

Device IMEI :

Device Name :

Group : +

Application : 🚗 🚚 🚛 🚝 🚞 🚘

ICCID :

Sales Time :

Expiration Date(U) : ✎

Remark :

Model :

SIM :

Activated Date :

Subscription Expira... :

IMSI :

Import Time :

Binding :

Fuel Tank Information

Fuel Tank Shape: Cube Horizontal Irregular

Length: CM

3.3.4 Transferring Devices Out

Devices can be transferred from one account to another.

To this end, you can click **Sell/Move** and the following dialog appears. Enter the IMEIs of devices to be moved out in **Selected devices** list, select an account in **Sell to** list, and click **Sell** to complete, see the Tracksolid operation guide for details.

Sell/Move
✕

Selected devices : 1

IMEI(Press Enter for multiple lines)

IMEI	Model	Account	Actions
353376110007405	JC400D	test-on	Delete

Sell to :

Customer Name/Account

- TEST-ON
 - CQtest
 - DVR测试组专用
 - hcsj
 - I PRO
 - jc400dms
 - localizagt
 - luis
 - MTEST
 - OTA

User Expiration :

Sell/Move

Selected devices : 1

357730090214363
357730090697864
353376110041370

Total : 3

Add
Cancel

User Expiration : Not Limit Clear

Sell/Move

Selected devices : 1

IMEI(Press Enter for multiple lines)

IMEI	Model	Account	Actions
353376110007405	JC400D	test-on	Delete

User Expiration : 2 Months Clear

3.3.5 Exporting Devices

Tracksolid allows users to export information of up to 5000 devices (IMEIs) as an Excel file. Select devices of your requirement and click **Export** or click **Export All**. Then an Excel file containing relevant information is downloaded to the local.

No.	Account	Device Name	IMEI	Model	Activated Date	SIM	Subscription Expiration	Expiration Date(U)	Status	Group	Actions
<input checked="" type="checkbox"/>	test-on	JC400D-07405	353376110007405	JC400D	2020-07-28		2021-07-28	2021-07-28	Enabled	Default	Edit Sell/Move Monitor More
<input type="checkbox"/>	test-on	JC100-14363	357730090214363	JC100	2020-07-25		2021-07-26	2021-07-26	Enabled	Default	Edit Sell/Move Monitor More
<input checked="" type="checkbox"/>	test-on	JC400-97864	357730090697864	JC400	2020-07-22		2021-07-23	2021-07-23	Enabled	Default	Edit Sell/Move Monitor More
<input type="checkbox"/>	test-on	JC400-41370	353376110041370	JC400	2020-07-21		2021-07-22	2021-07-22	Enabled	Default	Edit Sell/Move Monitor More
<input checked="" type="checkbox"/>	test-on	JC400-00814	353376110000814	JC400	2020-07-21		2021-07-22	2021-07-22	Enabled	Default	Edit Sell/Move Monitor More
<input type="checkbox"/>	test-on	JC400-24376	353376110024376	JC400	2020-07-21		2021-07-22	2021-07-22	Enabled	Default	Edit Sell/Move Monitor More
<input checked="" type="checkbox"/>	test-on	AT6-20938	353549090720938	AT6	2020-07-17		2021-07-17	2021-07-17	Enabled	Default	Edit Sell/Move Monitor More

	A	B	C	D	E	F	G	H	I	J	K
	Account	Customer Name	Device Name	IMEI	Model	Activated Date	Sales Time	SIM	Subscription Expiration	User Expiration Date	Group
1	test-on	TEST-ON	JC400D-07405	353376110007405	JC400D	2020-07-28			2021-07-28	2021-07-28	Default Group
2	test-on	TEST-ON	JC100-14363	357730090214363	JC100	2020-07-25			2021-07-26	2021-07-26	Default Group
3	test-on	TEST-ON	JC400-97864	357730090697864	JC400	2020-07-22			2021-07-23	2021-07-23	Default Group
4	test-on	TEST-ON	JC400-41370	353376110041370	JC400	2020-07-21			2021-07-22	2021-07-22	Default Group
5	test-on	TEST-ON	JC400-00814	353376110000814	JC400	2020-07-21			2021-07-22	2021-07-22	Default Group
6	test-on	TEST-ON	JC400-24376	353376110024376	JC400	2020-07-21			2021-07-22	2021-07-22	Default Group
7	test-on	TEST-ON	AT6-20938	353549090720938	AT6	2020-07-17			2021-07-17	2021-07-17	Default Group
8	test-on	TEST-ON	AE 1200 BB	353549090337592	AT6	2020-07-14	2020-07-17		2021-07-15	2021-07-15	Default Group
9	test-on	TEST-ON	LL01-01699	865282040001699	LL01	2020-07-14	2020-07-17		2021-07-15	2021-07-15	Default Group
10	test-on	TEST-ON	JC400-97252	357730090697252	JC400	2020-07-13			2021-07-14	2021-07-14	Default Group
11	test-on	TEST-ON	V121-08329	358735078608329	V121	2020-07-09			2021-07-10	2021-07-10	Default Group
12	test-on	TEST-ON	V121-08675	358735078608675	V121	2020-07-09			2021-07-09	2021-07-09	Default Group
13	test-on	TEST-ON	V121-08402	358735078608402	V121	2020-07-08			2021-07-09	2021-07-09	Default Group
14	test-on	TEST-ON	V121-08667	358735078608667	V121	2020-07-08			2021-07-09	2021-07-09	Default Group
15	test-on	TEST-ON	V121-08667	358735078608667	V121	2020-07-08			2021-07-09	2021-07-09	Default Group

All Devices

IMEI(Press Enter for multiple lines) Device Name All Models Sub-account devices Q Search Advanced Reset

Edit(x/s)	Upload Images	Sell/Move	Export	Export All	Send Command	Set Working Mode	Disable	Enable	Set Fuel Tank Vol.	Import Device	Recharge	Update User Expiration	Binding Setting	Set Group	
No.	Account	Device Name	IMEI	Model	Activated Date	SIM	Subscription Expiration	Expiration Date(U)	Status	Group	Actions				
<input type="checkbox"/>	2	test-on	JC100-14363	357730090214363	JC100	2020-07-25	2021-07-26	2021-07-26	Enabled	Default	Edit	Sell/Move	Monitor	More	
<input type="checkbox"/>	3	test-on	JC400-97864	35773009097864	JC400	2020-07-22	2021-07-23	2021-07-23	Enabled	Default	Edit	Sell/Move	Monitor	More	
<input type="checkbox"/>	4	test-on	JC400-41370	353376110041370	JC400	2020-07-21	2021-07-22	2021-07-22	Enabled	Default	Edit	Sell/Move	Monitor	More	
<input type="checkbox"/>	5	test-on	JC400-00814	353376110000814	JC400	2020-07-21	2021-07-22	2021-07-22	Enabled	Default	Edit	Sell/Move	Monitor	More	
<input type="checkbox"/>	6	test-on	JC400-24376	353376110024376	JC400	2020-07-21	2021-07-22	2021-07-22	Enabled	Default	Edit	Sell/Move	Monitor	More	
<input type="checkbox"/>	7	test-on	AT6-20938	353549090720938	AT6	2020-07-17	2021-07-17	2021-07-17	Enabled	Default	Edit	Sell/Move	Monitor	More	
<input type="checkbox"/>	8	test-on	AE 1200 BB	353549090337592	AT6	2020-07-14	2021-07-15	2021-07-15	Enabled	Default	Edit	Sell/Move	Monitor	More	
<input type="checkbox"/>	9	test-on	LL01-01669	865282040001669	LL01	2020-07-14	2021-07-15	2021-07-15	Enabled	Default	Edit	Sell/Move	Monitor	More	
<input type="checkbox"/>	10	test-on	JC400-97252	357730090697252	JC400	2020-07-13	2021-07-14	2021-07-14	Enabled	Default	Edit	Sell/Move	Monitor	More	
<input type="checkbox"/>	11	test-on	V121-08329	358735078608329	V121	2020-07-09	2021-07-10	2021-07-10	Enabled	Default	Edit	Sell/Move	Monitor	More	
<input type="checkbox"/>	12	test-on	V121-08675	358735078608675	V121	2020-07-09	2021-07-09	2021-07-09	Enabled	Default	Edit	Sell/Move	Monitor	More	
<input type="checkbox"/>	13	test-on	V121-08402	358735078608402	V121	2020-07-08	2021-07-09	2021-07-09	Enabled	Default	Edit	Sell/Move	Monitor	More	
<input type="checkbox"/>	14	test-on	V121-08667	358735078608667	V121	2020-07-08	2021-07-09	2021-07-09	Enabled	Default	Edit	Sell/Move	Monitor	More	
<input type="checkbox"/>	15	test-on	V121-08238	358735078608238	V121	2020-07-08	2021-07-09	2021-07-09	Enabled	Default	Edit	Sell/Move	Monitor	More	
<input type="checkbox"/>	16	test-on	V121-08386	358735078608386	V121	2020-07-08	2021-07-09	2021-07-09	Enabled	Default	Edit	Sell/Move	Monitor	More	
<input type="checkbox"/>	17	test-on	JC400-43335	353376110043335	JC400	2020-07-07	2021-07-08	2021-07-08	Enabled	Default	Edit	Sell/Move	Monitor	More	
<input type="checkbox"/>	18	test-on	JC400-22776	353376110022776	JC400	2020-07-07	2021-07-08	2021-07-08	Enabled	Default	Edit	Sell/Move	Monitor	More	
<input type="checkbox"/>	19	test-on	JC200-84040	357730090484040	JC200	2020-07-06	2021-07-07	2021-07-07	Enabled	Default	Edit	Sell/Move	Monitor	More	
<input type="checkbox"/>	20	test-on	JC400-26371	353376110026371	JC400	2020-07-06	2021-07-07	2021-07-07	Enabled	Default	Edit	Sell/Move	Monitor	More	

20 1 2 3 4 5 ... 21 22 Go

Note: If you hope to export the device information of subaccounts, select **Sub-account devices** before clicking **Export All**, as the following figure shows.

All Devices

IMEI(Press Enter for multiple lines) Device Name All Models **Sub-account devices** Q Search Advanced Reset

Edit(x/s)	Upload Images	Sell/Move	Export	Export All	Send Command	Set Working Mode	Disable	Enable	Set Fuel Tank Vol.	Import Device	Recharge	Update User Expiration	Binding Setting	Set Group	
No.	Account	Device Name	IMEI	Model	Activated Date	SIM	Subscription Expiration	Expiration Date(U)	Status	Group	Actions				
<input type="checkbox"/>	2	test-on	JC100-14363	357730090214363	JC100	2020-07-25	2021-07-26	2021-07-26	Enabled	Default	Edit	Sell/Move	Monitor	More	
<input type="checkbox"/>	3	test-on	JC400-97864	35773009097864	JC400	2020-07-22	2021-07-23	2021-07-23	Enabled	Default	Edit	Sell/Move	Monitor	More	
<input type="checkbox"/>	4	test-on	JC400-41370	353376110041370	JC400	2020-07-21	2021-07-22	2021-07-22	Enabled	Default	Edit	Sell/Move	Monitor	More	
<input type="checkbox"/>	5	test-on	JC400-00814	353376110000814	JC400	2020-07-21	2021-07-22	2021-07-22	Enabled	Default	Edit	Sell/Move	Monitor	More	
<input type="checkbox"/>	6	test-on	JC400-24376	353376110024376	JC400	2020-07-21	2021-07-22	2021-07-22	Enabled	Default	Edit	Sell/Move	Monitor	More	
<input type="checkbox"/>	7	test-on	AT6-20938	353549090720938	AT6	2020-07-17	2021-07-17	2021-07-17	Enabled	Default	Edit	Sell/Move	Monitor	More	
<input type="checkbox"/>	8	test-on	AE 1200 BB	353549090337592	AT6	2020-07-14	2021-07-15	2021-07-15	Enabled	Default	Edit	Sell/Move	Monitor	More	
<input type="checkbox"/>	9	test-on	LL01-01669	865282040001669	LL01	2020-07-14	2021-07-15	2021-07-15	Enabled	Default	Edit	Sell/Move	Monitor	More	

3.3.6 Sending Commands/Setting Work Mode

The system allows users to send commands and set the work mode online. A command will be executed immediately if the device receiving the command is online; otherwise, the command will be executed later after the device goes online.

To set the work mode is to change how often does a device upload GPS packets.

- **Send Command**

Commands include predefined commands and user-defined command.

- **Predefined Commands**

Tracksolid enables users to configure various commands. Users can send a command to a device to perform a relevant action. The following figure shows the SOS command type as an example.

Command Type: SOS number

SOS setting Delete SOS number

Number 1:

Number 2:

Number 3:

Description: Sos number is used for SOS call and receiving alarm.It supports phone number of 3-20 digits.

Start/End Time: 2018-04-21 17:30:00 2018-05-21 17:30:00

Selected device: 2 Command will be ignored if devices do not support it. Pending offline command will be overwritten.

IMEI	Model	Account	Support?	Pending Command?	Actions
201711078523578	GT06N	test123	Yes	No	Delete
868120155010504	GT350	test123	Yes	Yes	Delete

Buttons: Send, Cancel

Note:

If a device does not support a command, then the command will be ignored.

User-defined Commands

Users can deliver a command in correct format to the device, as the following figure shows.

Command Type: User-defined

User defined command

User defined command:

Password:

Start/End Time: 2018-04-21 17:30:00 2018-05-21 17:30:00

Selected device: 2 Command will be ignored if devices do not support it. Pending offline command will be overwritten.

IMEI	Model	Account	Support?	Pending Command?	Actions
201711078523578	GT06N	test123	Yes	No	Delete
868120155010504	GT350	test123	Yes	Yes	Delete

Buttons: Send, Cancel

- a. In **All Devices** list, click **More** following a device and then click **Command** to set commands in the **Device Command** dialog.

All Devices

IMEI(Press Enter for multiple lines) Device Name All Models Sub-account devices

No.	Account	Device Name	IMEI	Model	Activated Date	SIM	Expiration Date(P)	Expiration Date(U)	Status	Group	Actions
1	test123	GT06N-23578	201711078523578	GT06N	2018-04-13		2022-02-02	2019-04-14	Enabled	Default	Edit More
2	test123	001 הנהג	868120155010504	GT350	2017-06-12		2022-02-02	2021-06-12	Enabled	Default	Edit More Command More
3	test123	JV03-03334	351608083303334	JV03	2017-04-19		2022-02-02	2022-02-02	Enabled	Default	Edit More Geo Fence Alerts Street View
4	test123	GT06N-23579	201711078523579	GT06N	Inactive		2022-02-02	2022-02-02	Enabled	Default	Edit

20 < 1 >

b. Monitor

See 3.5 for details.

Dashboard Device Account **Monitor** Geo Fence Video Fleet

All(438) Following(14) ● Moving (0) ● Stopped (2) ● Idling (8) ● Offline (218)

IMEI/Device Name

Icon

All Online Offline

Default Group (341)

- JC400-00814 2hr+
- JC400-08643... 4min
- JC400-17339 15hr+
- JC400-36230 18hr+
- JC400-97864 2min
- 35773009054... 20day+

Map: North Pacific Ocean, NORTH AMERICA, UNI O, PAPUA NEW GUINEA

Context Menu: Playback, Tracking, Follow, Trips, **Device Command**, Move group >, Device Detail

Dashboard Device Account **Monitor** Geo Fence Video Fleet

All(438) Following(14) ● (0) ● (2) ● (8) ● (218) ● (117) Device Name Geo Fence

IMEI/Device Name

Icon

All Online Offline

Default Group (341)

- JC400-00814 2hr+
- JC400-08643... 7min
- JC400-17339 15hr+
- JC400-36230 18hr+
- JC400-97864 1min
- 35773009054... 20day+
- 3720 328day+

Map: Xili Sub-district, Nanshan district, Shenzhen, Guangdong, 518000, China

Device Card: JC400-00814 353376110000814

Idling ● ON

Last Positioning : 2020-07-29 09:36:06

Map Controls:

- **Set Working Mode**

Click **Set Working Mode** in the **Device** interface and then **New Working Mode Template** in the

Batch Mode dialog. There are three modes available: Timing Mode, Week Mode, and Normal Mode, as shown in the following figure. You can set the frequency according to your actual requirements. See the Tracksolid operation guide for details.

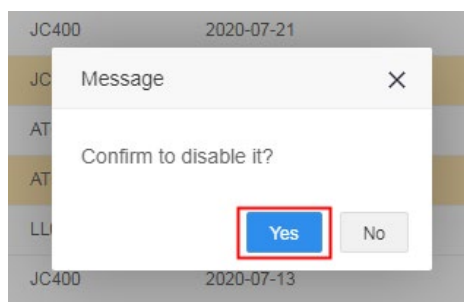
3.3.7 Enablement/Disablement

In some cases, a user may hope to disable some devices under a subaccount. Disabled devices cannot perform actions unless the parent account re-enables these devices.

■ Disablement

Select the devices you hope to disable and click **Disable** and then **Yes** in the **Message** dialog.

No.	Account	Device Name	IMEI	Model	Activated Date	SIM	Subscription Expiration	Expiration Date(U)	Status	Group	Actions
1	test-on	JC400D-07405	353376110007405	JC400D	2020-07-28		2021-07-28	2021-07-28	Enabled	Default	Edit Sell/Move Monitor More
2	test-on	JC100-14363	357730090214363	JC100	2020-07-25		2021-07-26	2021-07-26	Enabled	Default	Edit Sell/Move Monitor More
3	test-on	JC400-07864	357730090897864	JC400	2020-07-22		2021-07-23	2021-07-23	Enabled	Default	Edit Sell/Move Monitor More
4	test-on	JC400-41370	353376110041370	JC400	2020-07-21		2021-07-22	2021-07-22	Enabled	Default	Edit Sell/Move Monitor More
5	test-on	JC400-00814	353376110000814	JC400	2020-07-21		2021-07-22	2021-07-22	Enabled	Default	Edit Sell/Move Monitor More
6	test-on	JC400-24376	353376110024376	JC400	2020-07-21		2021-07-22	2021-07-22	Enabled	Default	Edit Sell/Move Monitor More
7	test-on	AT6-20938	353549090720938	AT6	2020-07-17		2021-07-17	2021-07-17	Enabled	Default	Edit Sell/Move Monitor More
8	test-on	AE 1200 BB	353549090337592	AT6	2020-07-14		2021-07-15	2021-07-15	Enabled	Default	Edit Sell/Move Monitor More



Expiration Date(P)	Expiration Date(U)	Status
2020-12-06	2020-12-06	Disabled
2018-12-06	2018-12-06	Disabled
2018-12-06	2018-12-06	Disabled
2038-12-06	2038-12-06	Disabled
2037-11-07	2037-11-07	Disabled
2038-09-29	2018-09-29	Disabled

■ Enablement

Select disabled devices you hope to re-enable and click **Enable** and then **Yes** in the **Message** dialog.

Expiration Date(P)	Expiration Date(U)	Status
2020-12-06	2020-12-06	Enabled
2018-12-06	2018-12-06	Enabled
2018-12-06	2018-12-06	Enabled
2038-12-06	2038-12-06	Enabled
2037-11-07	2037-11-07	Enabled
2038-09-29	2018-09-29	Enabled
Inactive	Inactive	Enabled

3.4 Account Management

Online account registration is not available on Tracksolid. All new accounts must be created by an upper-level operator or dealer.

No.	Account	Role	Customer Name	Telephone	Contact Person	Quantity	Actions
1	Anihar1	Sales	Anihar1			0	[Icons]
2	CGtest	Sales	CGtest			0	[Icons]
3	monkeys	Distributor	Derek			0	[Icons]
4	DVR-Test2	Distributor	DVR测试组专用			15	[Icons]
5	hcsj	Sales	hcsj			4	[Icons]
6	IPRO	Distributor	IPRO			1	[Icons]
7	jc400dms	End User	jc400dms			9	[Icons]
8	localzagt	End User	localzagt			1	[Icons]
9	luis2545	End User	luis			0	[Icons]
10	AT4-Testing	Distributor	MTEST	+251929001816		0	[Icons]

3.4.1 Adding Customers

Go to **Account** interface and click **New Account**. Select a parent account, specify other information in the dialog, and click **Save** to complete. See the Tracksolid operation guide for details.

New Account
✕

* Superior Account :

* Account Type : ?

Sales ▲

* Customer Name :

Sales

* Login Account :

Distributor

* Password :

Enterprise User

Initial password is: 888888

Telephone :

Email :

* Country / Region :

China | 86 ▼

Contact Person :

Company Name :

Demo Account :

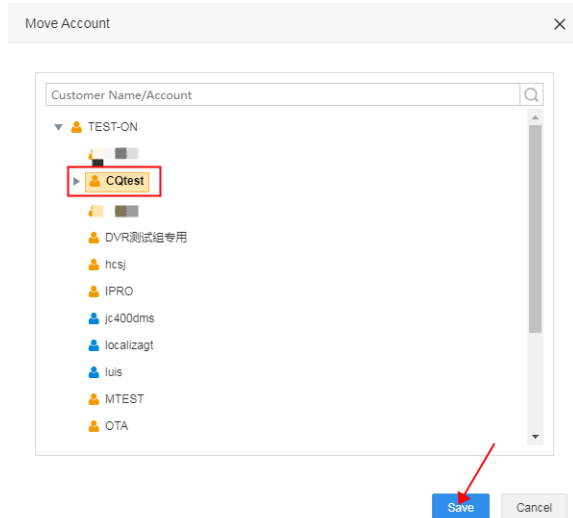
Customer Name/Account 🔍

- ▼ TEST-ON(Stock438/Total475)
 - ▶ CQtest(0/0)
 - DVR测试组专用(15/15)
 - hcsj(4/4)
 - IPRO(1/1)
 - jc400dms(9/9)
 - localizagt(1/1)
 - luis(0/0)
 - MTEST(0/0)
 - OTA(3/3)

3.4.2 Transferring Accounts

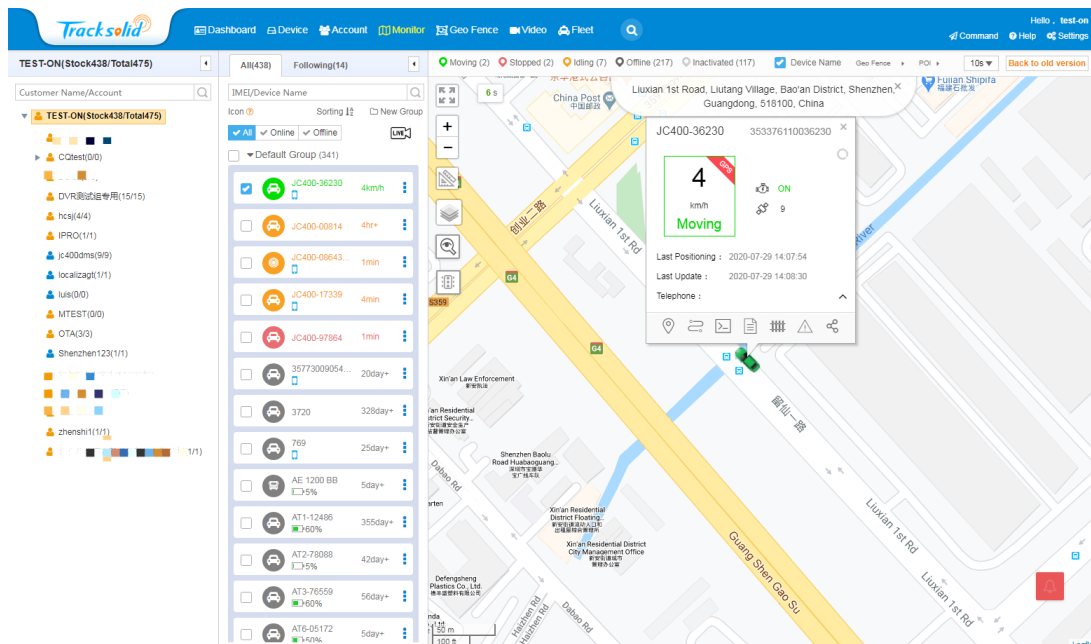
Select one or multiple accounts you hope to transfer to another account and click **Move** or . Then in the **Move Account** dialog, select the another account and click **Save** to complete.

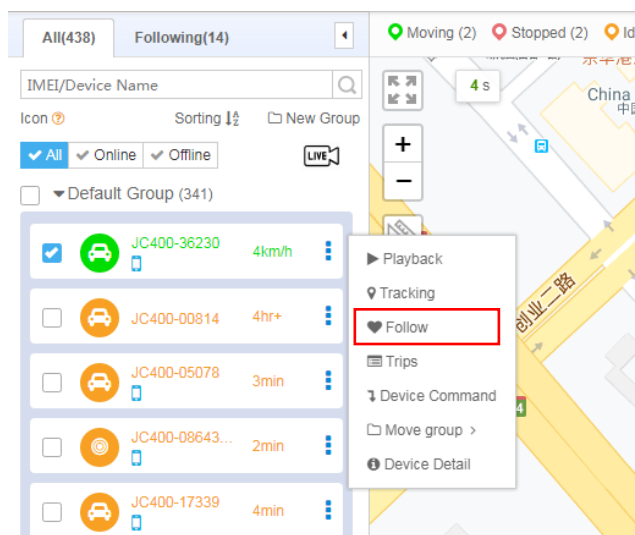
New Account		Move Account						
No.	Account	Role	Customer Name	Telephone	Contact Person	Quantity	Actions	
<input type="checkbox"/>	1	Sales				0		
<input checked="" type="checkbox"/>	2	Sales	CQtest			0		
<input type="checkbox"/>	3	Distributor				0		
<input type="checkbox"/>	4	Distributor	DVR测试组专用			15		



3.5 Monitor

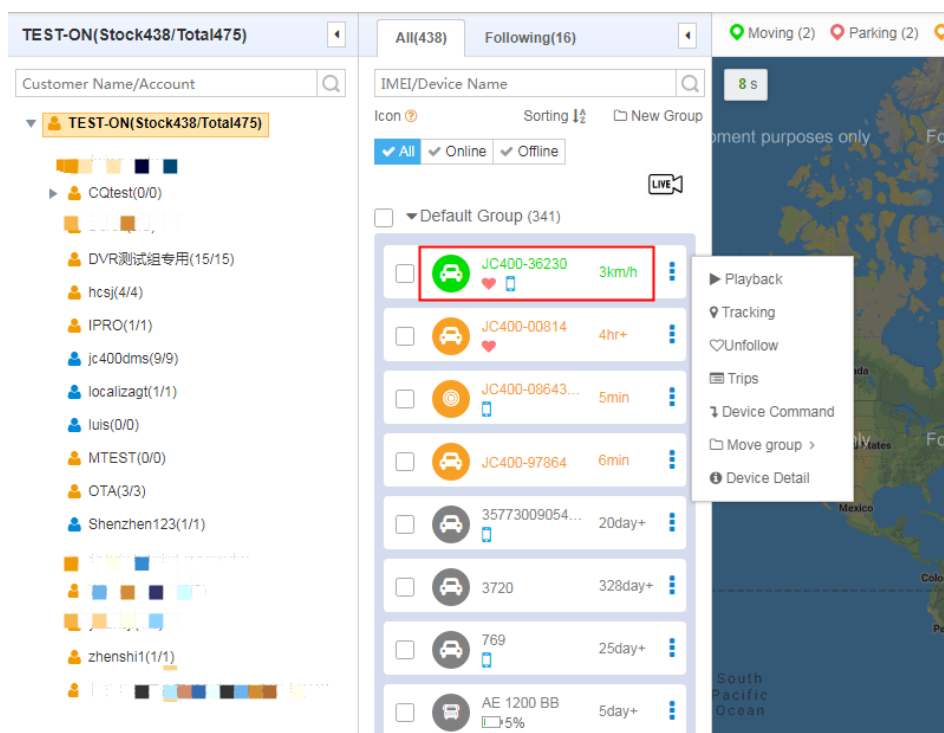
The **Monitor** interface enables users to better locate and monitor their devices. As the following figures show, Tracksolid offers multiple fast location methods that can be viewed on the left account tree or you can search by entering the IMEI of a device in the search field and enables users to add their devices to a group by clicking **Follow**.





3.5.1 Device List

Tracksolid enables users to view devices and display them on the map. You can playback trips, locate, and perform other actions on every device. The color of the device icon in the list indicates the status of the device.



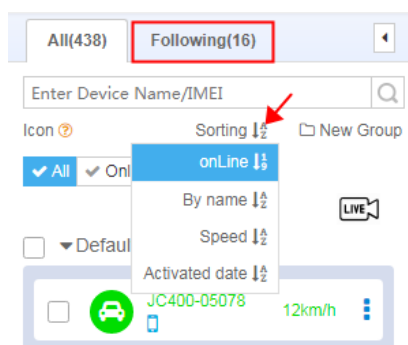
Querying IMEI

Enter the IMEI or the last 6-digit of the IMEI of a device and click **Search** (🔍), then the matching result appears, as the following figure shows.



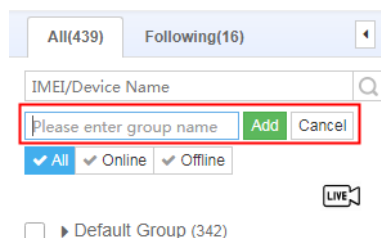
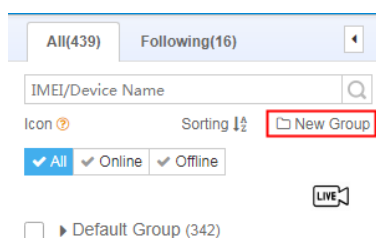
Device sorting

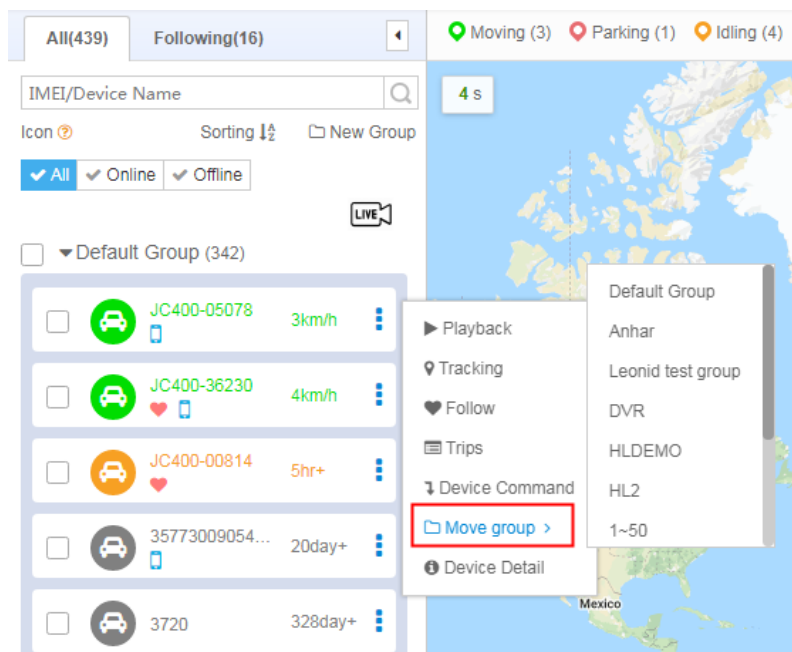
You can find devices by categories, as the following figure shows.




Creating/changing group

To create a new group, click **New Group**, specify a name, and click **Add** to complete; To add devices to a new group, the group name will appear in the **Device** interface. To move a device to another group, click following the device to access actions, move the cursor on **Move group**, and select a group.

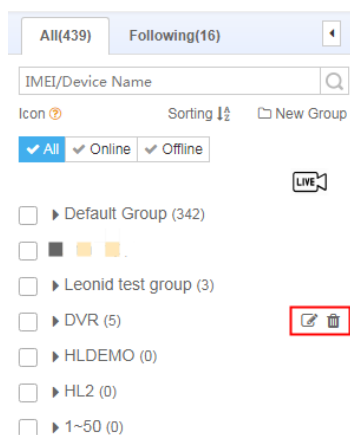






Editing/deleting a group

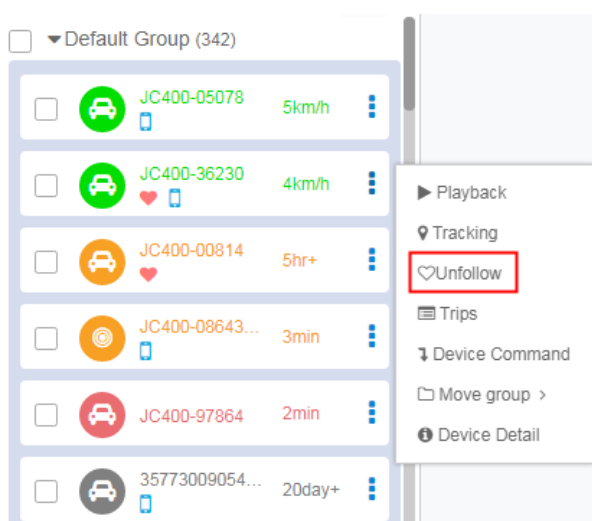
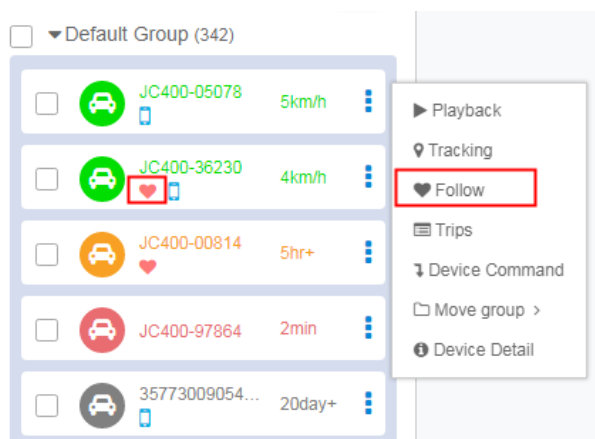
As the following figure shows, you can click  or  to edit the group name or delete the group.

Note: The Default Group can neither be edited nor deleted.



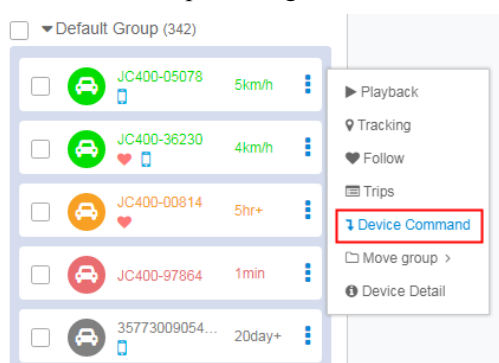
Following/unfollowing a device

To flag important devices that require extra attention, click  and then **Follow**, in which case a heart symbol appears under the device name. To unfollow the device, click  and then **Unfollow**, as the following figures show.



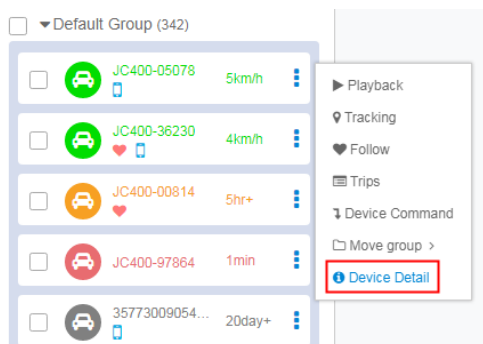
Device Command

To deliver commands to the device, click and **Device Command**, see 3.3.6 for reference. See the Tracksolid operation guide for command setting details.



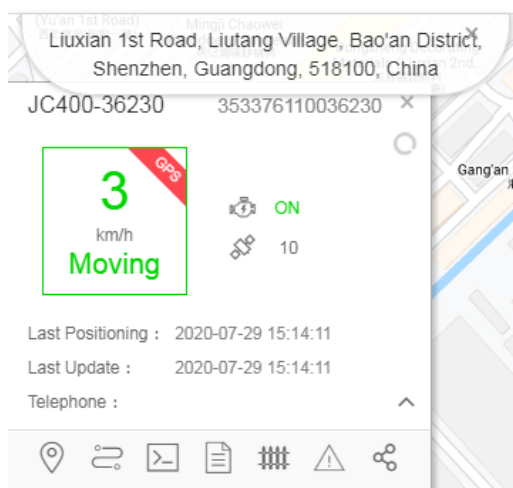
Device Information

To view device information, click and then **Device Detail**. In the **Device Detail** dialog, you can modify relevant information, see 3.3.3 for details. See the Tracksolid operation guide for setting details.




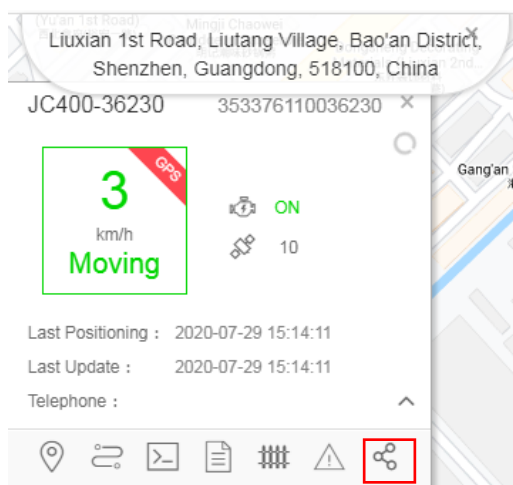
3.5.2 Maps

Select a device and then the following figure appears on the map.



Sharing location

By clicking , you can share your location to another person and specify how long the sharing will last, as the following figure shows.



Share ✕

Effective Time : Hours

I have read and agree [《Agreement and privacy policy》](#)

Confirm

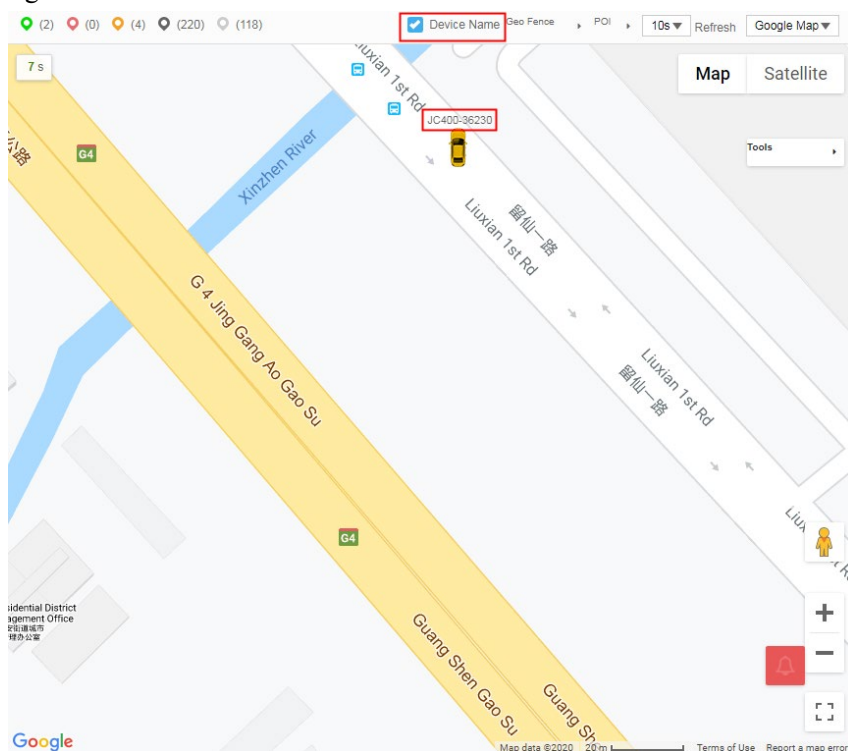
Share ✕

Share Links

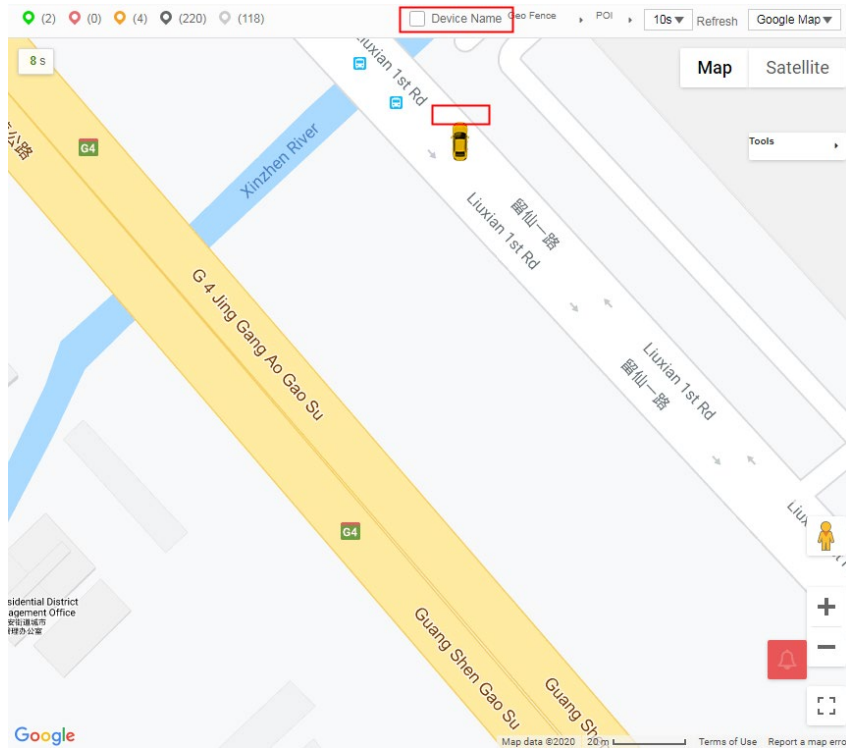
```
tracksolid.com/api/share?
ver=2&method=trackDevice_abr&deviceinfo=7ae7c62385f2067f2a61fd
c0c83178c878e1ff0696e576801dc8f2183ca08dbb219331abf1c6b6c956c
0d7c83f3e12b4026b338d95b62d7dd08e0460c5edd13ad87e16dca9702
ce6
```

Displaying device name

By selecting **Device Name**, the device name will appear above the vehicle icon, as the following figure shows.

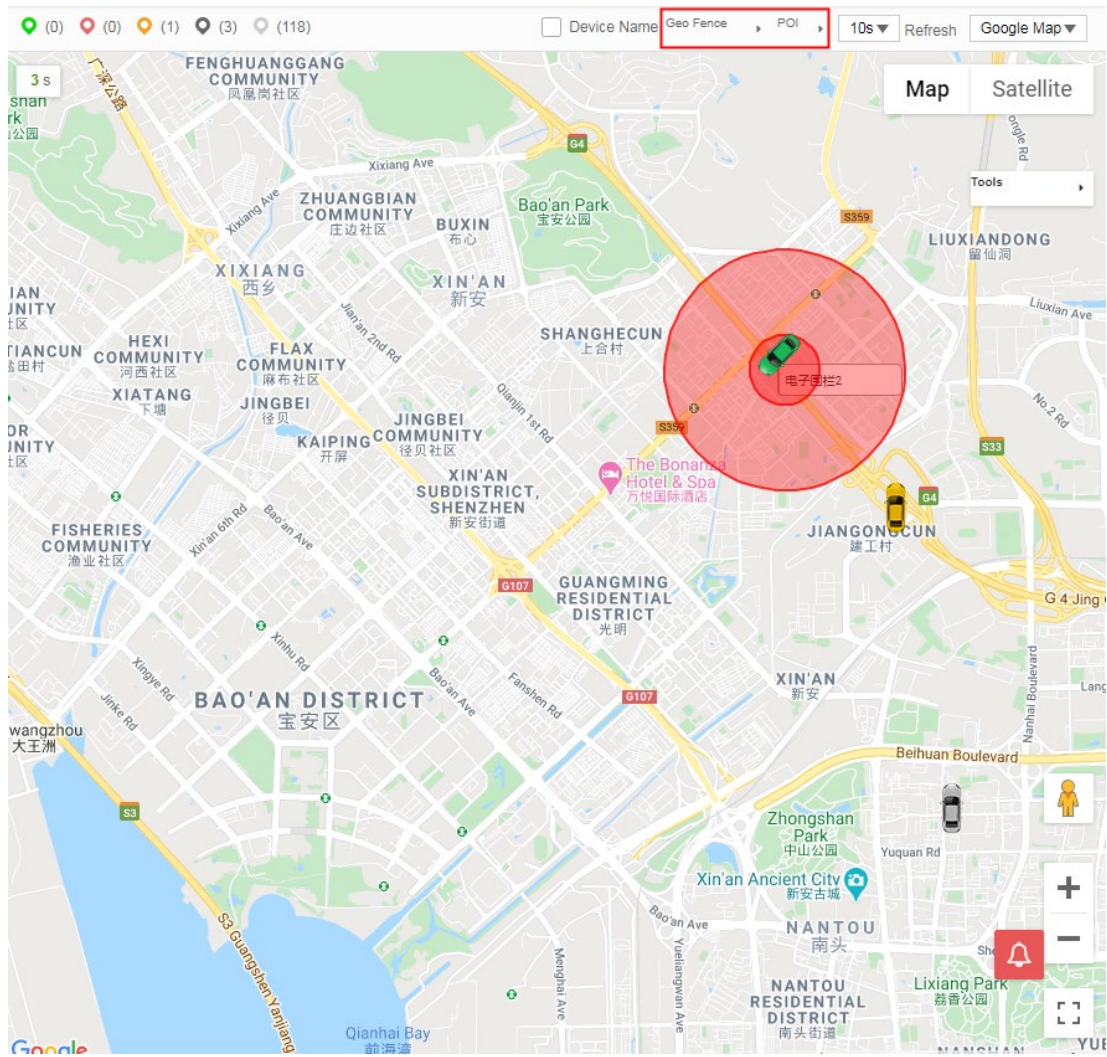


The device name will disappear if you deselect **Device Name**, as the following figure shows.

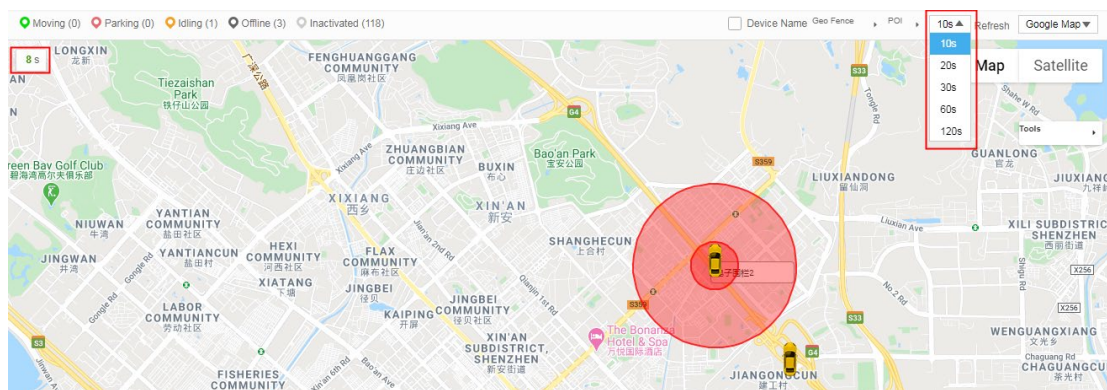


Showing geo fence/POI

To search for and show a geo fence/POI on the map, you can go to **Geo Fence/POI** in the **Monitor** interface.



Refresh interval



Map/satellite



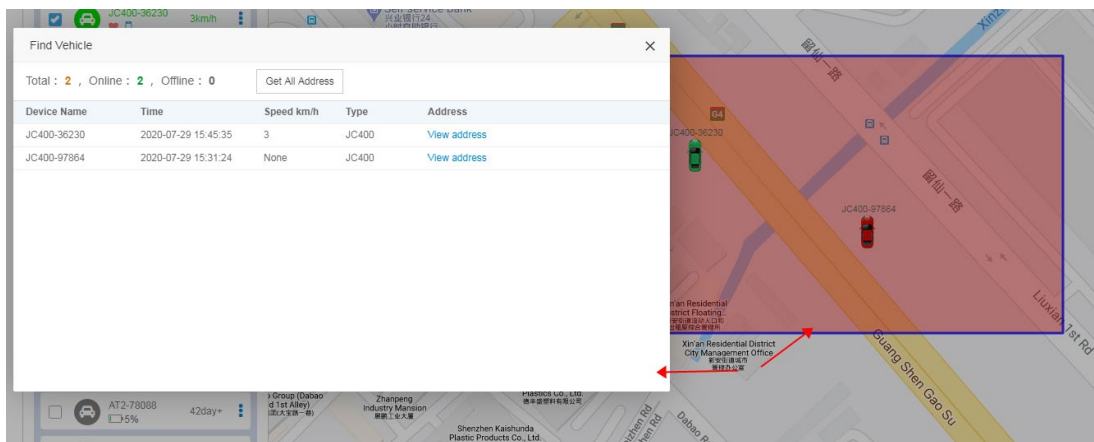
Distance

To view the distance between two places on the map, you can use the Ruler.



Finding vehicle

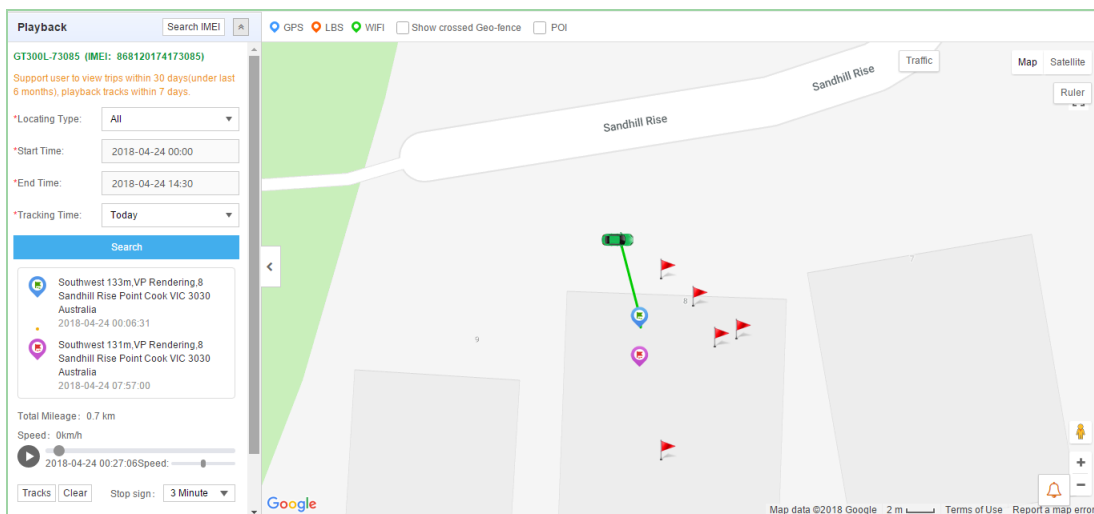
Click **Find Vehicle** and draw a rectangle on the map to see how many vehicles are in the area.

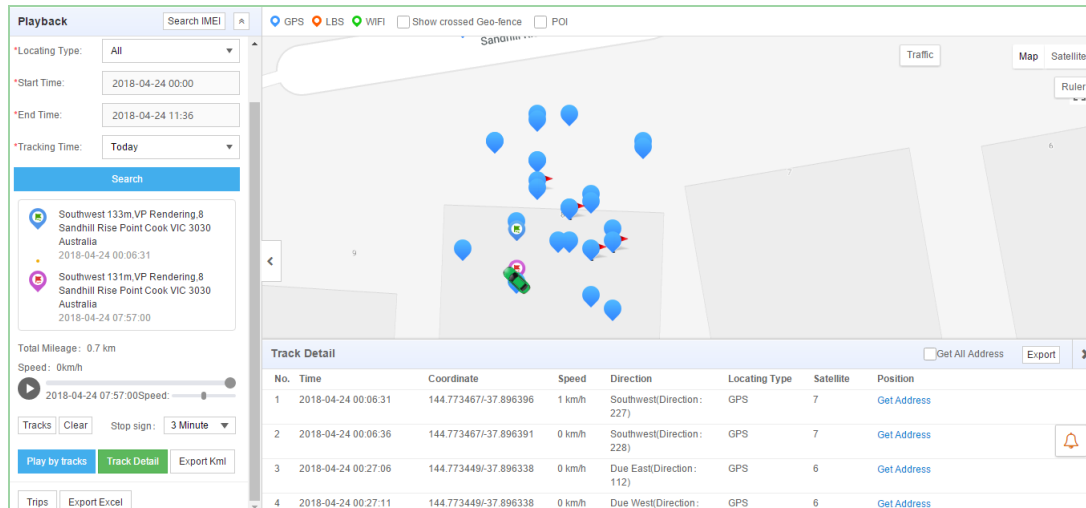


3.5.3 Trip Playback

To playback trips of a device, click and then **Playback**. Then specify the start time and end time (the max. duration is 7 days).

As the following figures show:



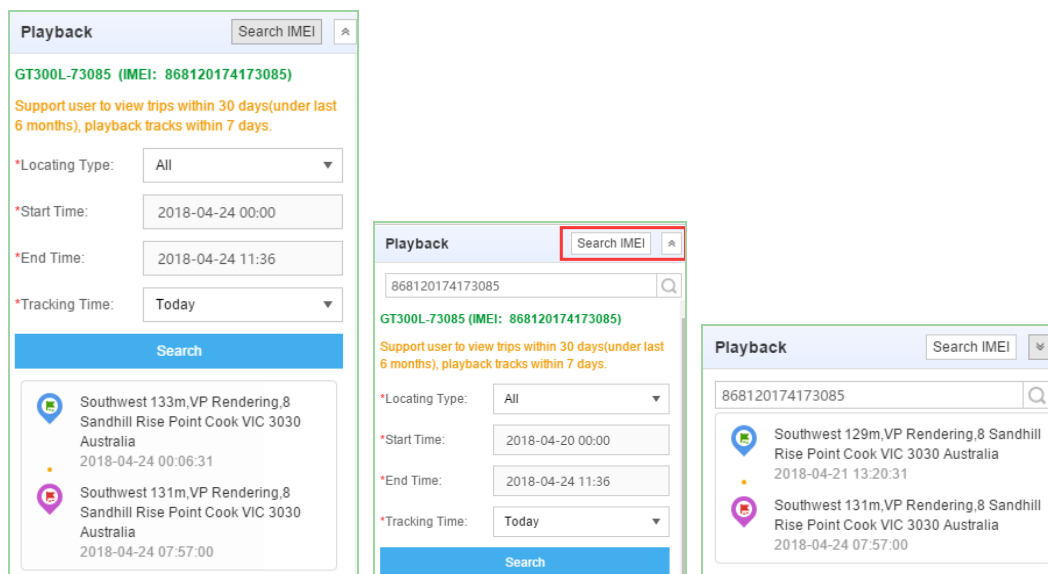


Playback and query

Tracksolid allows users to query trips of the past half year and playback the history trips of 7 days. Select the location type and specify both the start time and the end time prior to playback.

The location types include GPS, LBS, and WiFi.

If you want to playback trips of another device, you can click **Search IMEI**, enter the IMEI of the desired device, and click . As the following figures show:



Viewing trips

Trips are represented in line or point on the map.

The **Track Detail** includes time, coordinate, speed, direction, locating type, validity, number of satellites, and position.

Playback GPS LBS WiFi IPT Show crossed Geo-fence POI New version Google Map

JC400-36230 (IMEI : 353376110036230)
Support user to view trips within 30 days (under last 6 months), playback tracks within 7 days.

*Locating Type:
*Start Time: 2020-07-29 00:00
*End Time: 2020-07-29 17:12
*Tracking Time:

- 📍 Liuxian 1st Road, Liutang Village, Bao'an District, Shenzhen, Guangdong, 518100, China
2020-07-29 11:56:01
- 📍 Liuxian 1st Road, Liutang Village, Bao'an District, Shenzhen, Guangdong, 518100, China
2020-07-29 17:12:20

Anti Drift
Speed : 6 km/h Total Mileage : 5.1 km
2020-07-29 11:56:23 Speed:

Tracks Stop sign :

Tracking

No.	Time	Coordinate	Speed	Direction	Locating Type	Satellite	Position
1	2018-04-24 00:06:31	144.773467/-37.896396	1 km/h	Southwest(Direction: 227)	GPS	7	Get Address
2	2018-04-24 00:06:36	144.773467/-37.896391	0 km/h	Southwest(Direction: 228)	GPS	7	Get Address
3	2018-04-24 00:27:06	144.773449/-37.896338	0 km/h	Due East(Direction: 112)	GPS	6	Get Address
4	2018-04-24 00:27:11	144.773449/-37.896338	0 km/h	Due West(Direction: 112)	GPS	6	Get Address

No.	Time	Coordinate	Speed	Direction	Locating Type	Satellite	Position
1	2018-04-24 00:06:31	144.773467/-37.896396	1 km/h	Southwest(Direction: 227)	GPS	7	Southwest 133m, VP Rendering, 8 Sandhill Rise Point Cook VIC 3030 Australia
2	2018-04-24 00:06:36	144.773467/-37.896391	0 km/h	Southwest(Direction: 228)	GPS	7	Southwest 134m, VP Rendering, 8 Sandhill Rise Point Cook VIC 3030 Australia
3	2018-04-24 00:27:06	144.773449/-37.896338	0 km/h	Due East(Direction: 112)	GPS	6	Get Address
4	2018-04-24 00:27:11	144.773449/-37.896338	0 km/h	Due West(Direction: 112)	GPS	6	Get Address

Exporting track details in Excel or KML

Click **Export Excel** or **Export Kml** or **Export** to export relevant track information, as the following figures show:

Playback Search IMEI:

GPS LBS WiFi IPT Show crossed Geo-fence POI [Back to old version](#)

JC400-36230 (IMEI : 353376110036230)
Support user to view trips within 30 days(under last 6 months), playback tracks within 7 days.

*Locating Type: GPS
*Start Time: 2020-07-29 00:00
*End Time: 2020-07-29 17:15
*Tracking Time: Today

Search

- Liuxian 1st Road, Liutang Village, Bao'an District, Shenzhen, Guangdong, 518100, China
2020-07-29 11:56:01
- Liuxian 1st Road, Liutang Village, Bao'an District, Shenzhen, Guangdong, 518100, China
2020-07-29 17:15:32

Anti Drift Driving...
Speed : 0 km/h Total Mileage : 5.1 km
2020-07-29 11:56:01 Speed:

Tracks Stop sign : 3 Minute

Track Detail

No.	Time	Coordinate	Speed	Direction	Locating Type	Validity	Satellite	Position
1	2020-07-29 11:56:01	113.917467/22.577443	3 km/h	Southwest(Direction : 208)	GPS	Real time	7	Get Address
2	2020-07-29 11:56:02	113.917450/22.577414	2 km/h	Southwest(Direction : 219)	GPS	Real time	7	Get Address
3	2020-07-29 11:56:23	113.916802/22.577316	6 km/h	Northwest(Direction : 333)	GPS	Real time	9	Get Address
4	2020-07-29 11:56:54	113.916943/22.577380	3 km/h	Due	GPS	Real time	11	Get Address

No.	Time	Longitude/Latitude	peed(Km/Direction(Degree)	Location Type
1	2018-04-09 14:09:21	117.918333/39.213109	80 332	satellite positioning
2	2018-04-09 14:09:23	114.831234/25.480091	80 332	satellite positioning
3	2018-04-09 14:09:23	110.282017/26.181086	80 332	satellite positioning
4	2018-04-09 14:09:33	117.585663/27.727515	80 332	satellite positioning
5	2018-04-09 14:09:43	111.649195/20.963827	80 332	satellite positioning
6	2018-04-09 14:09:54	116.729604/24.678907	30 332	satellite positioning
7	2018-04-09 14:09:55	118.338207/27.826379	30 332	satellite positioning
8	2018-04-09 14:10:03	111.818055/22.005177	30 332	satellite positioning
9	2018-04-09 14:10:13	118.060012/21.95965	30 332	satellite positioning

Showing crossed geo fences/POI

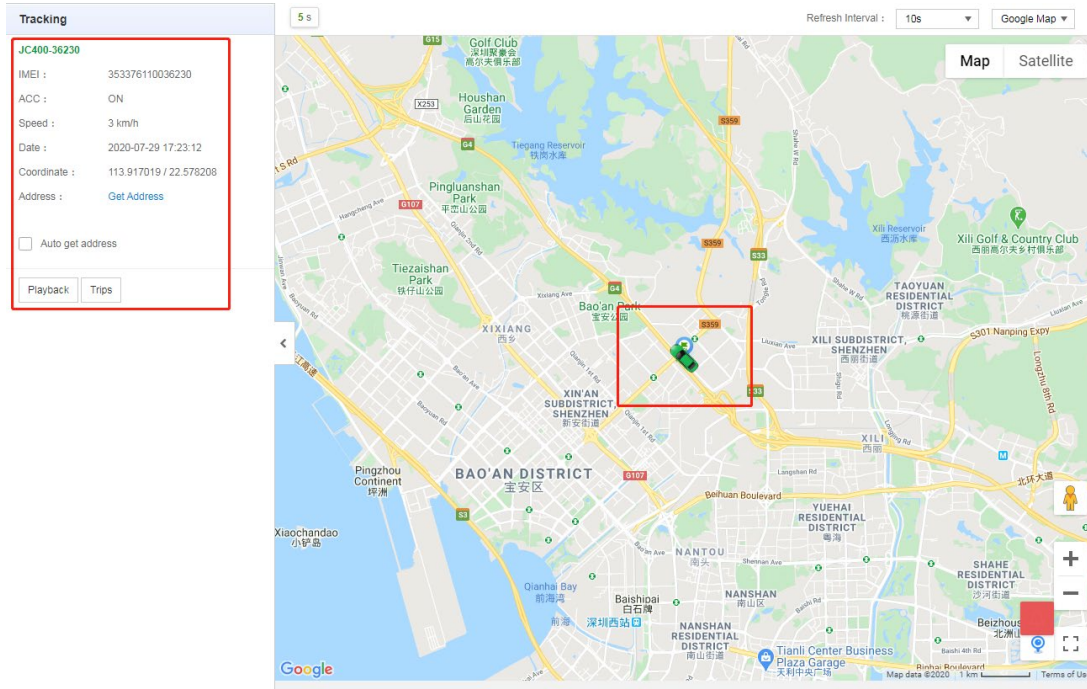
Click **Show crossed Geo-fence/POI** on the map, as the following figure shows.

GPS LBS WiFi Show crossed Geo-fence POI

Map data ©2018 Google, ORION-ME 1 km

3.5.4 Tracking and Positioning

In the **Tracking** interface, you can view the following information: IMEI, ACC, speed, coordinate, and address on the left and the live track will appear on the map. The track updates every 10s by default.



3.5.5 Trips

Many trips will be generated for any DVR during a period. Tracksolid allows users to view trips of 30 days and to playback trips of 7 days. You can click **Playback** in the interface to playback a trip, as the following figure shows.

Trips

JC400-36230

Support user to view trips within 30 days (under last 6 months), playback tracks within 7 days.

*Start Time: 2020-07-29 00:00

*End Time: 2020-07-29 17:33

*Tracking Time: Today

Search

- Liuxian 1st Road, Liutang Village, Bao'an District, Shenzhen, Guangdong, 518100, China

2020-07-29 17:19:36

0.2 km Avg. 1.4 km/h Playback
- Liuxian 1st Road, Liutang Village, Bao'an District, Shenzhen, Guangdong, 518100, China

2020-07-29 17:28:14

0.2 km Avg. 1.2 km/h Playback
- Liuxian 1st Road, Liutang Village, Bao'an District, Shenzhen, Guangdong, 518100, China

2020-07-29 17:05:55

0.2 km Avg. 1.2 km/h Playback
- Liuxian 1st Road, Liutang Village, Bao'an District, Shenzhen, Guangdong, 518100, China

2020-07-29 17:17:53

0.2 km Avg. 1.2 km/h Playback

Playback Tracking

Back to old version

Leaflet

Trips

JC400-36230

Support user to view trips within 30 days (under last 6 months), playback tracks within 7 days.

*Start Time: 2020-07-29 00:00

*End Time: 2020-07-29 17:33

*Tracking Time: Today

Search

- Liuxian 1st Road, Liutang Village, Bao'an District, Shenzhen, Guangdong, 518100, China

2020-07-29 17:17:53

0.2 km Avg. 1.2 km/h Playback

Anti Drift Driving...

Total Mileage : 0.2 km Speed : 4km/h

Latest location : Liuxian 1st Road, Liutang Village, Bao'an District, Shenzhen, Guangdong, 518100, China

2020-07-29 17:12:16 Speed: 0-4

Tracks Reset Fold
- Liuxian 1st Road, Liutang Village, Bao'an District, Shenzhen, Guangdong, 518100, China

2020-07-29 16:59:25

0 km Avg. 2.4 km/h Playback
- Liuxian 1st Road, Liutang Village, Bao'an District, Shenzhen, Guangdong, 518100, China

2020-07-29 17:00:04

0 km Avg. 2.4 km/h Playback

Playback Tracking

Back to old version

Leaflet

Trips

JC400-00814

Support user to view trips within 30 days(under last 6 months), playback tracks within 7 days.

*Start Time: 2020-07-19 00:00

*End Time: 2020-07-25 23:59

*Tracking Time: Last week

Search

Liuxian 1st Road, Liutang Village, Bao'an District, Shenzhen, Guangdong, 518100, China
2020-07-21 16:59:40

Liuxian 1st Road, Liutang Village, Bao'an District, Shenzhen, Guangdong, 518100, China
2020-07-21 17:04:16

0.2 km Avg.3.1 km/h Playback

Liuxian 1st Road, Liutang Village, Bao'an District, Shenzhen, Guangdong, 518100, China
2020-07-21 16:47:43

Liuxian 1st Road, Liutang Village, Bao'an District, Shenzhen, Guangdong, 518100, China
2020-07-21 16:54:42

0.3 km Avg.2.2 km/h Playback

Liuxian 1st Road, Liutang Village, Bao'an District, Shenzhen, Guangdong, 518100, China
2020-07-21 16:38:11

Liuxian 1st Road, Liutang Village, Bao'an District, Shenzhen, Guangdong, 518100, China
2020-07-21 16:42:10

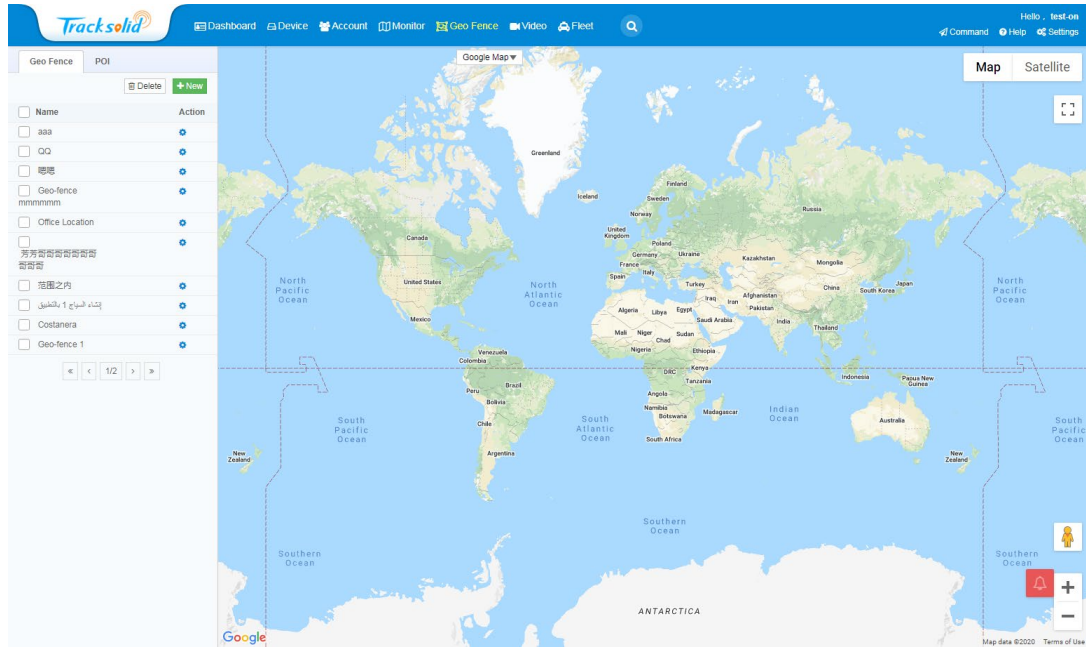
0.1 km Ava.1 km/h Playback

Playback Tracking

3.6 Geo Fence

Geo fence is a major feature of Tracksolid, which enables users to draw an area on the map to create a geo fence. A geo fence can be assigned to multiple devices, wherein if a device enters or leaves the geo fence, an alert message will be sent to Tracksolid web or app.

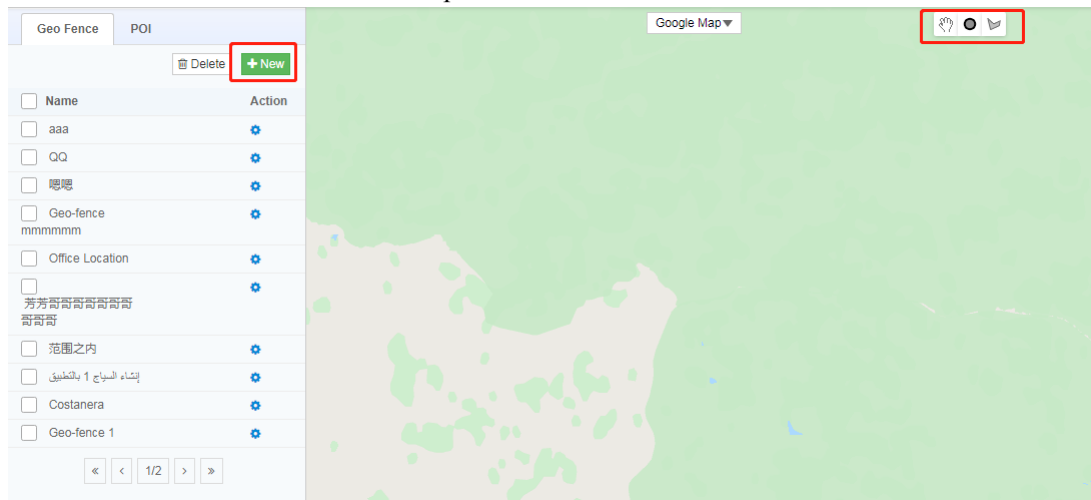
POI differentiates itself from geo fence in that it will not generate alerts. POI is to flag an area with a special name.



3.6.1 Geo Fence

Creating a geo fence

Click **New** and draw an area on the map.



After the drawing is complete, the following dialog appears. You can specify a name and the description for the geo fence and then click **Save** or **Save & Assign Device**.

Create Geo Fence

* Name:

Description:

Type: Geo Fence

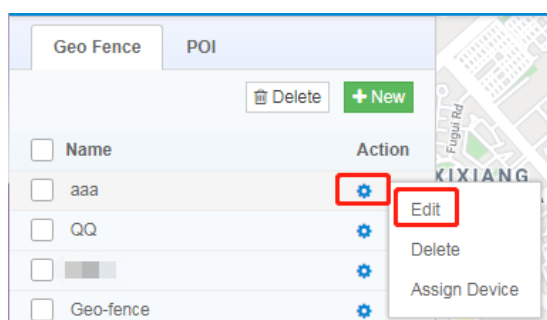
Radius 3194m

(200m to 5000m)

Geo fence alert practices

- Entered fence
- Left fence
- Left for too long
- Stayed for too long

Editing a geo fence To edit a geo fence, click following it and then click **Edit**, as the following figure shows:



In the **Edit fence** dialog, you can modify the name, the description, and the radius of the fence.

Edit fence

* Name:

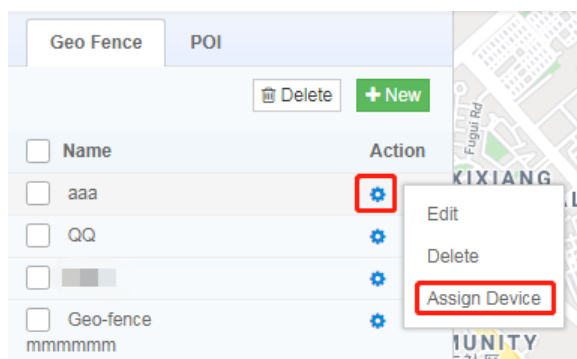
Description:

Radius 552m

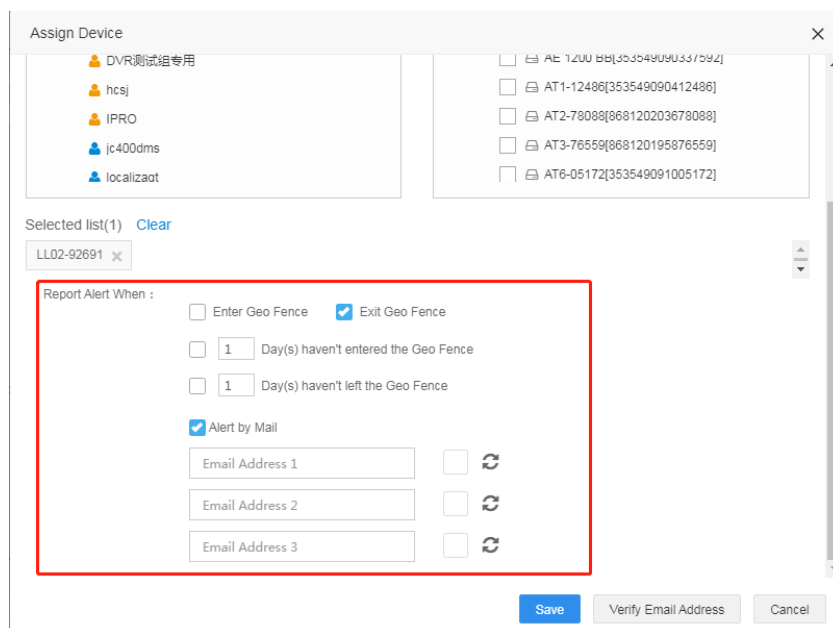
200m 5000m

Assigning devices


To assign devices to a geo fence, you can click and then **Assign Device** or click **Save & Assign Device** in the **Create Geo Fence** dialog.

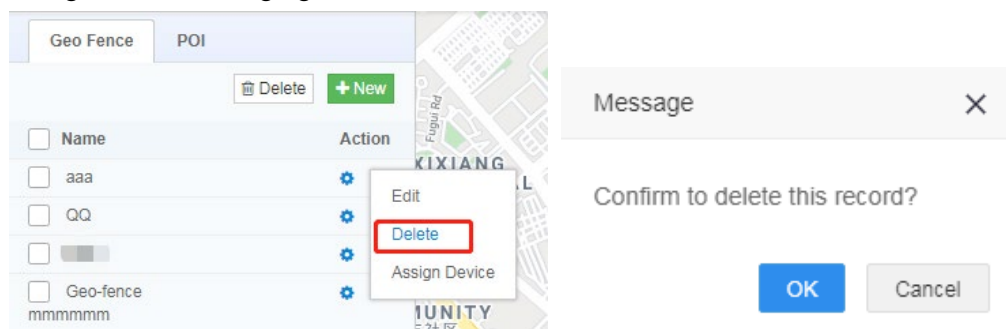


In the **Assign Devices** dialog, you can also set alert trigger details as well as emails to receive relevant alert messages.



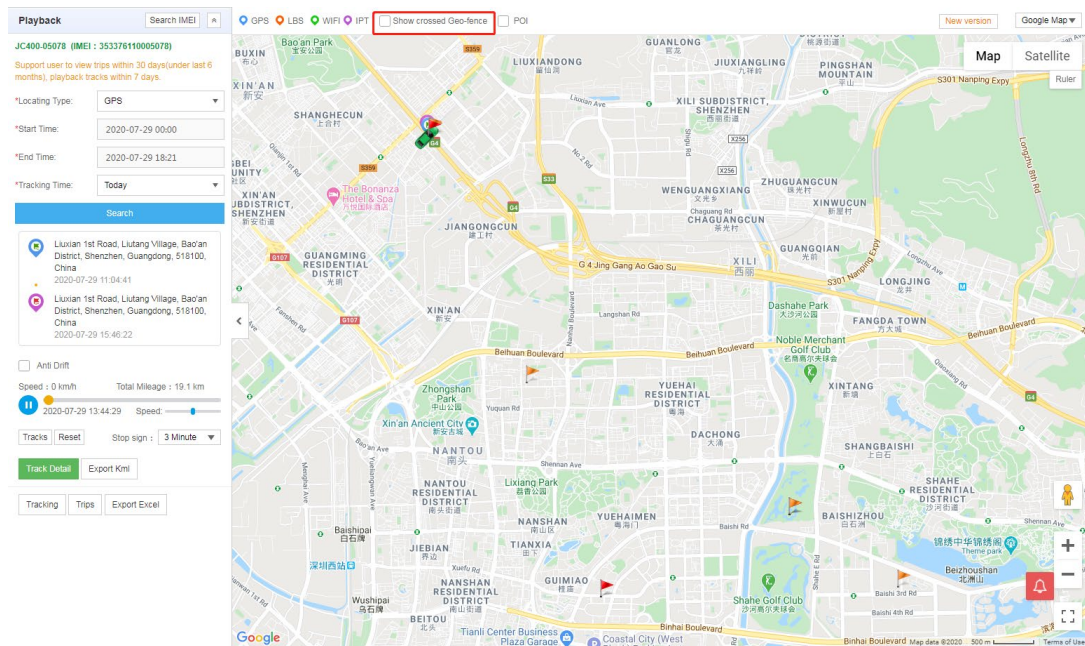
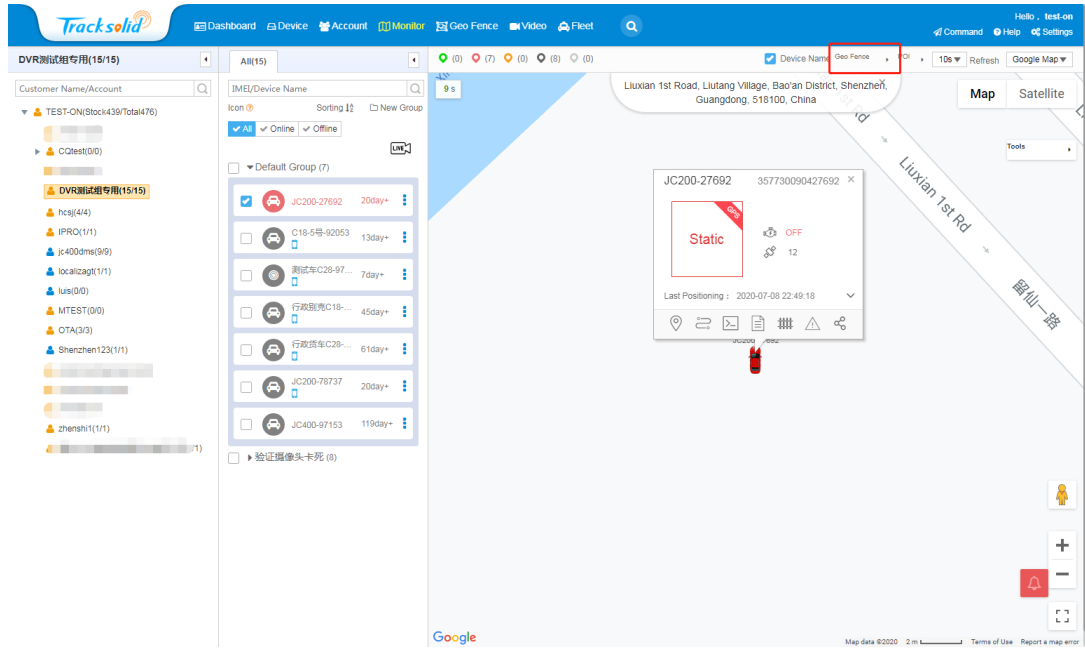
Deleting a geo fence

To delete a geo fence, click  following it and then **Delete** and then click **OK** in the **Message** dialog, as the following figures show.



Viewing a geo fence

Except for the alert feature, geo fences can be viewed in the **Monitor** and **Playback** interfaces, as the following figures show.



3.7 Video

This chapter describes the video recording feature. The **Video** interface consists of four parts: Event Video, Live, History Video, and Settings, as the following figure shows.

TrackSolid Event Video interface showing a list of events. The interface includes search filters and action buttons like Play and Download.

No.	Account	Device Name	Event Type	Date Time	Direction	Driver	Address	Model	IMEI
1	test-on	JC400D...	DVR vib...	2020-07-29 ...	Front		Liuxian 1st Road, Liutang Village, Bao'an...	JC400D	353376110007405
2	test-on	JC400D...	DVR vib...	2020-07-29 ...	Front		Liuxian 1st Road, Liutang Village, Bao'an...	JC400D	353376110007405
3	test-on	JC400D...	DVR vib...	2020-07-29 ...	Front		Liuxian 1st Road, Liutang Village, Bao'an...	JC400D	353376110007405
4	test-on	JC400-9...	Collision...	2020-07-29 ...	Front		Xin'an Sub-district, Bao'an District, Shen...	JC400	357730090697252
5	test-on	JC400D...	SOS alert	2020-07-29 ...	Front		Liuxian 1st Road, Liutang Village, Bao'an...	JC400D	353376110007405
6	test-on	JC400D...	SOS alert	2020-07-29 ...	Front		Liuxian 1st Road, Liutang Village, Bao'an...	JC400D	353376110007405
7	test-on	JC400D...	SOS alert	2020-07-29 ...	Front		Liuxian 1st Road, Liutang Village, Bao'an...	JC400D	353376110007405
8	test-on	JC400D...	DVR vib...	2020-07-29 ...	Front		Liuxian 1st Road, Liutang Village, Bao'an...	JC400D	353376110007405
9	test-on	JC400D...	DVR vib...	2020-07-29 ...	Front		Liuxian 1st Road, Liutang Village, Bao'an...	JC400D	353376110007405
10	test-on	JC400-...	MANUAL	2020-07-29 ...	In vehicle		Fujian Road, Fucheng Sub-district, Long...	JC400	353376110002356

3.7.1 Event Video

As the following figure shows, to query event videos of a device, enter the IMEI, name, and model of the device, specify the date (which can be set to all date, 7 days, or 30 days), read status, event type, and subaccount device, then click **Search**. You can also perform the following actions in this interface: reset, play, and download.

TrackSolid Event Video interface showing search filters and a list of events. The search filters are highlighted with a red box.

No.	Account	Device Name	Event Type	Date Time	Direction	Driver	Address	Model	IMEI
1	test-on	JC400D...	DVR vib...	2020-07-29 ...	Front		Liuxian 1st Road, Liutang Village, Bao'an...	JC400D	353376110007405
2	test-on	JC400D...	DVR vib...	2020-07-29 ...	Front		Liuxian 1st Road, Liutang Village, Bao'an...	JC400D	353376110007405
3	test-on	JC400D...	DVR vib...	2020-07-29 ...	Front		Liuxian 1st Road, Liutang Village, Bao'an...	JC400D	353376110007405
4	test-on	JC400-9...	Collision...	2020-07-29 ...	Front		Xin'an Sub-district, Bao'an District, Shen...	JC400	357730090697252
5	test-on	JC400D...	SOS alert	2020-07-29 ...	Front		Liuxian 1st Road, Liutang Village, Bao'an...	JC400D	353376110007405
6	test-on	JC400D...	SOS alert	2020-07-29 ...	Front		Liuxian 1st Road, Liutang Village, Bao'an...	JC400D	353376110007405
7	test-on	JC400D...	SOS alert	2020-07-29 ...	Front		Liuxian 1st Road, Liutang Village, Bao'an...	JC400D	353376110007405
8	test-on	JC400D...	DVR vib...	2020-07-29 ...	Front		Liuxian 1st Road, Liutang Village, Bao'an...	JC400D	353376110007405
9	test-on	JC400D...	DVR vib...	2020-07-29 ...	Front		Liuxian 1st Road, Liutang Village, Bao'an...	JC400D	353376110007405
10	test-on	JC400-...	MANUAL	2020-07-29 ...	In vehicle		Fujian Road, Fucheng Sub-district, Long...	JC400	353376110002356

Event video playback

Event videos are hidden by default. If you want to watch a specific event footage, click on the event and the playback window will appear.

No.	Account	Device Name	Event Type	Date Time
1	test-on	JC400-...	DVR vib...	2020-05-26
2	test-on	JC400-...	DVR vib...	2020-05-26
3	test-on	JC400-...	DVR vib...	2020-05-26
4	test-on	JC400-...	DVR vib...	2020-05-25
5	test-on	JC400-...	DVR vib...	2020-05-24
6	test-on	JC400-...	DVR vib...	2020-05-24
7	test-on	JC400-...	Collision...	2020-05-23
8	test-on	JC400-...	DVR vib...	2020-05-23
9	test-on	JC400-...	DVR vib...	2020-05-23

The playback window offers the following function buttons:

Play/Pause: Click or at the lower right corner to pause or play the footage.

Mute/Unmute: Click or to unmute or mute the sound in the footage.

Zoom: Click on the upper right corner to view the footage in full screen and press **Esc** to exit the full screen.

Video download: Click on the lower left corner to download the footage.

Location: Click on the lower left corner, then the map interface appears. You can view the current location of the vehicle on the map.

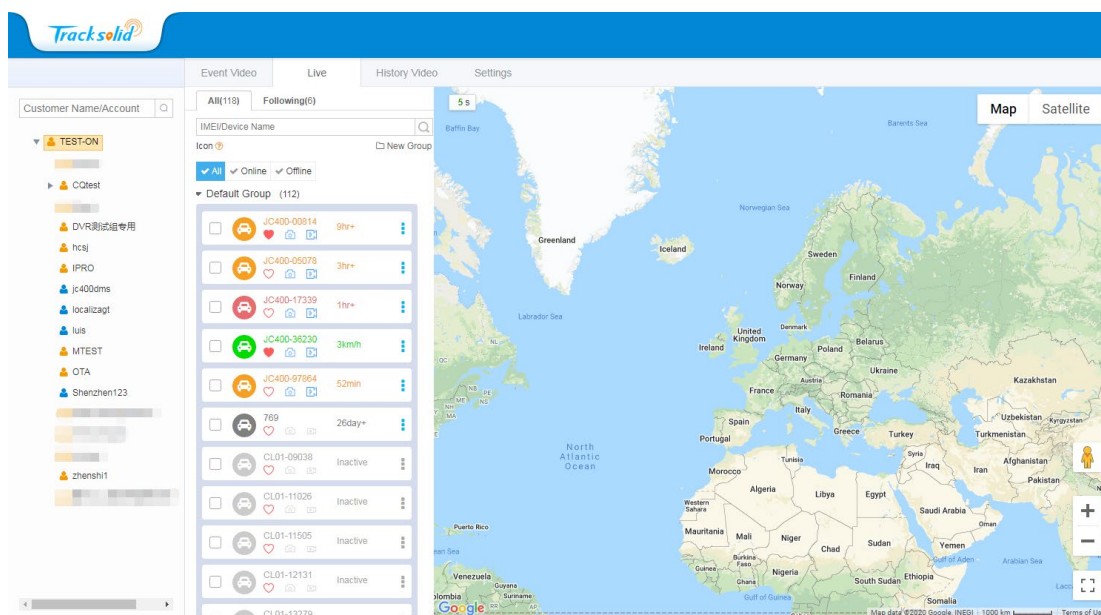
Event details

At the bottom of the playback window, the event details are displayed, which include event type, time, driver, IMEI, device model, following status, geo fence, and more.

SOS alert


Type: SOS alert	Date Time: 2020-07-29 16:02:25	Account: test-on
Driver:	IMEI: 353376110007405	Device Name: JC400D-07405
Address: Liuxian 1st Road, Liutang Village, Bao'an District, Shenzhen, Guangdong, 518100, China		

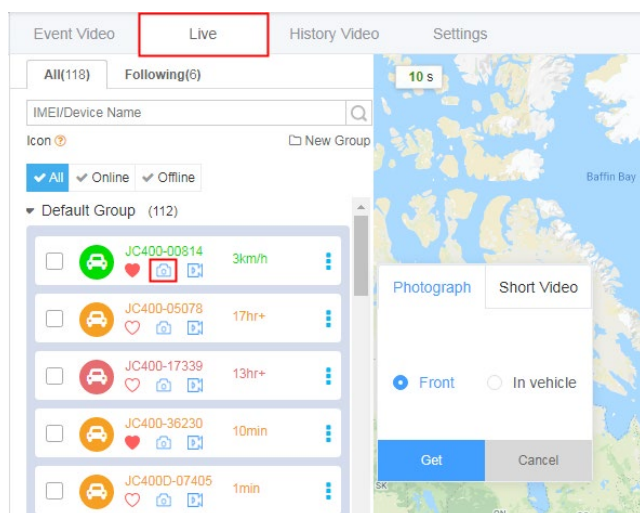
3.7.2 Live Video




3.7.3 Remote Video

Remote picture taking

Click the **Live** tab and then  under a device in the device list. Then select a camera (front or in-vehicle) and click **Get** in the pop-up to send a capture command. If the command is sent successfully, then a picture will be taken.

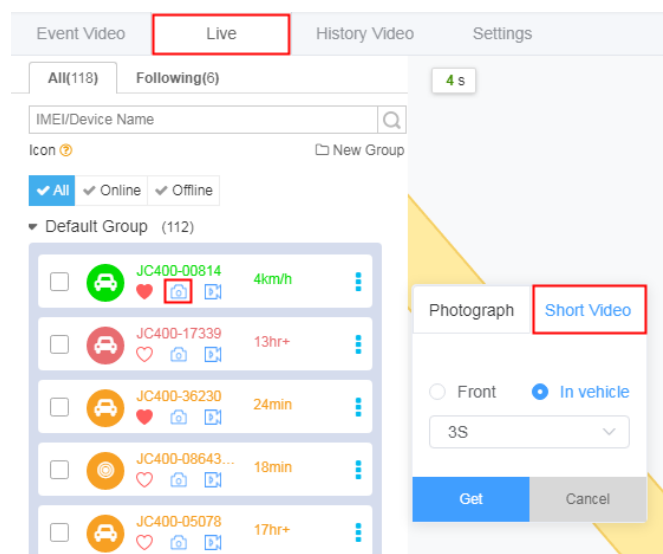


Remote video recording

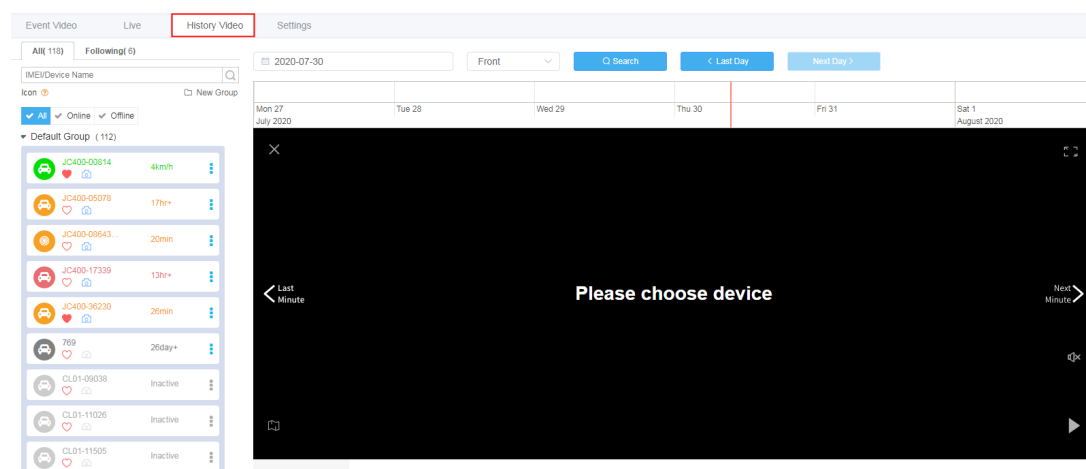
Click the **Live** tab and then  under a device in the device list. Then in the pop-up, click **Short Video**, select a camera (front or in-vehicle), specify the video length, and click **Get** to send a

capture command.

Note: Tracksolid allows up to 9 devices to stream videos simultaneously.



3.7.4 History Video



Click the **History Video** tab and the search entry appears.

IMEI: In the device list, enter the IMEI of the desired device.

Date: It is today by default. You can also select another date.

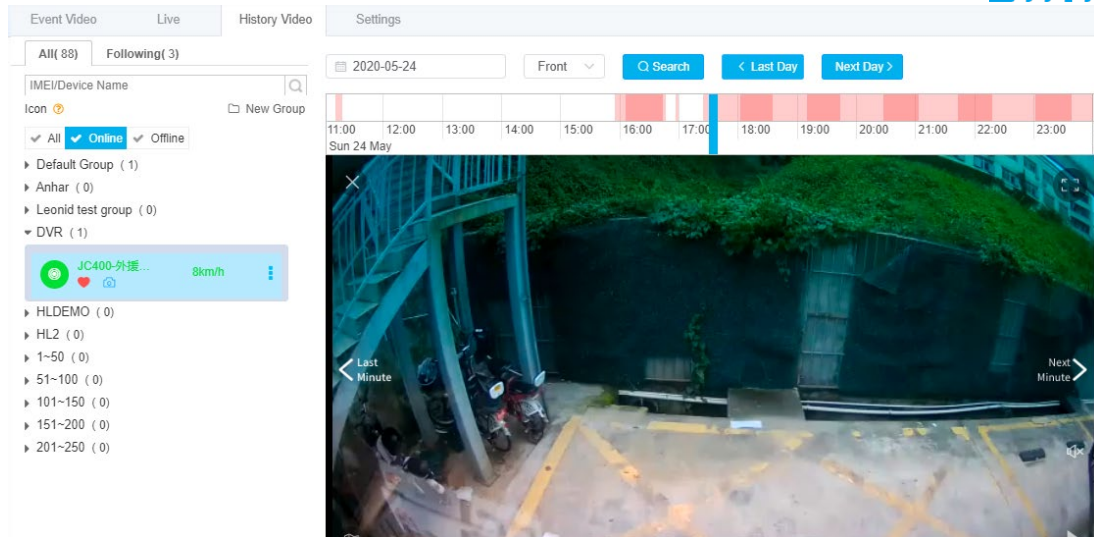
Last Day: Click this button to check the video of the previous day of the selected date.

Next Day: Click this button to check the video of the following day of the selected date.

Timeline: This enables users to drag the timeline to a desired date to view relevant video during that period.

Video playback

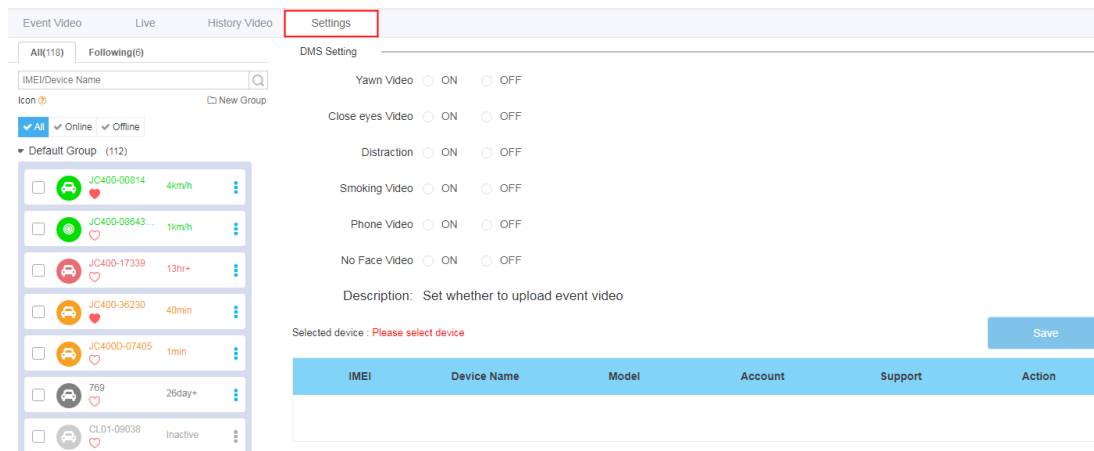
Enter the IMEI of a desired device and specify a date. Then drag the timeline to select a start time to playback the relevant video.



3.7.5 Settings

DMS Setting

If you hope to upload driver-related event videos to Tracksolid, you can click the **Settings** tab, select **ON**, and click **Save**. In contrary, you can select **OFF** and click **Save** to disable the upload, as the following figure shows:



Chapter 4 APP Installation

4.1 Instruction

4.1.1 Downloading Tracksolid App

Scan the following QR code with your mobile to download and install the Tracksolid app.



4.1.2 Calibration Tool for JC400D

Scan the following QR code with your mobile to download and install the calibration tool for JC400D.




Note: This app is only used for feature calibration of JC400D.
This app is compatible with Android mobiles only.

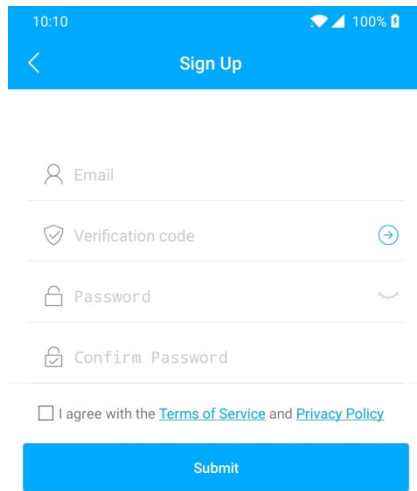
4.1.3 Registration and Login

Enterprise version

Contact your supplier for the login name and password.

Individual version

- a. Tap **Sign Up** and enter the email you use frequently;
- b. Tap  to send a verification code to your email box;
- c. Check and enter the verification code and set a password;
- d. Select **I agree with the Terms of Service and Privacy Policy** after you read them and tap **Submit** to complete the registration.
- e. To add a device, scan the QR code on the device.



4.2 Operations

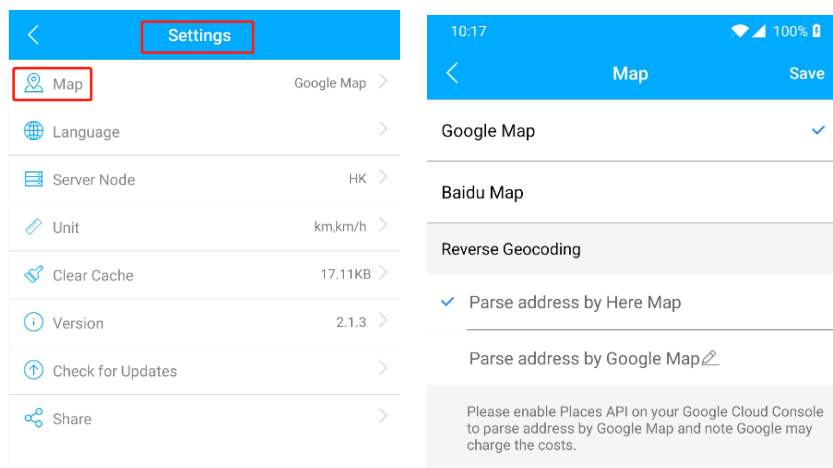
4.2.1 Geo Fence

For Chinese users


Log in to Tracksolid, go to **Profile** > **Settings** > **Map** to select **Baidu Map** and tap **Save**.

For global users

Log in to Tracksolid, go to **Profile** > **Settings** > **Map** to select **Google Map** and tap **Save**.

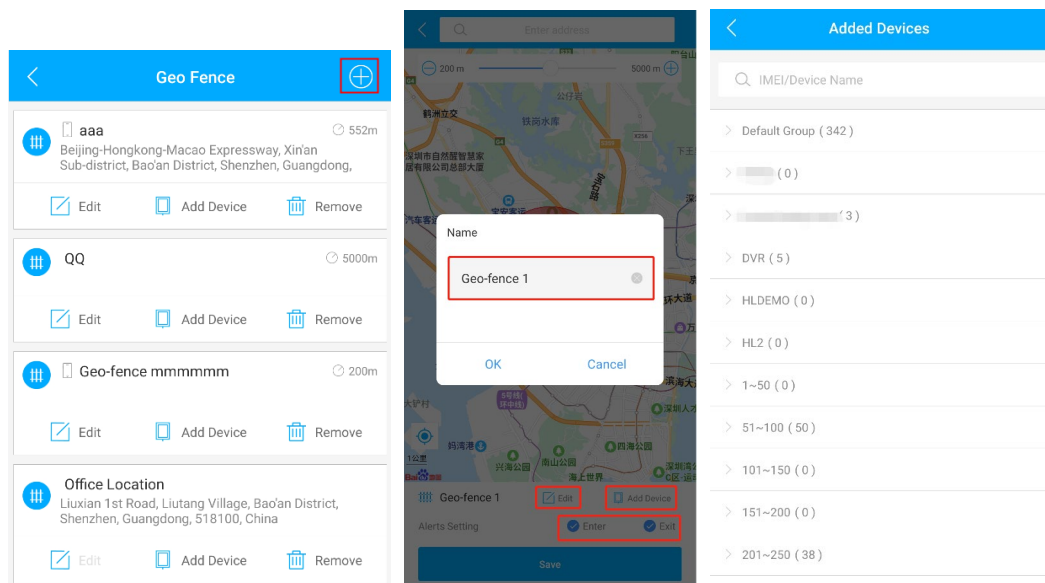


Creating a geo fence


1. Go to **Profile** > **Geo Fence**;
2. Tap  to launch the creation;
3. Drag the slider on the top to define the radius;
4. Tap **Edit** to specify a name and **OK** to save it;
5. Tap **Add Device**, select devices from groups, and tap **Save** to add these devices into the geo fence;

6. Complete the **Alerts Setting** if you hope to upload left or/and entered alert messages to the platform and tap **Save** to complete the creation.

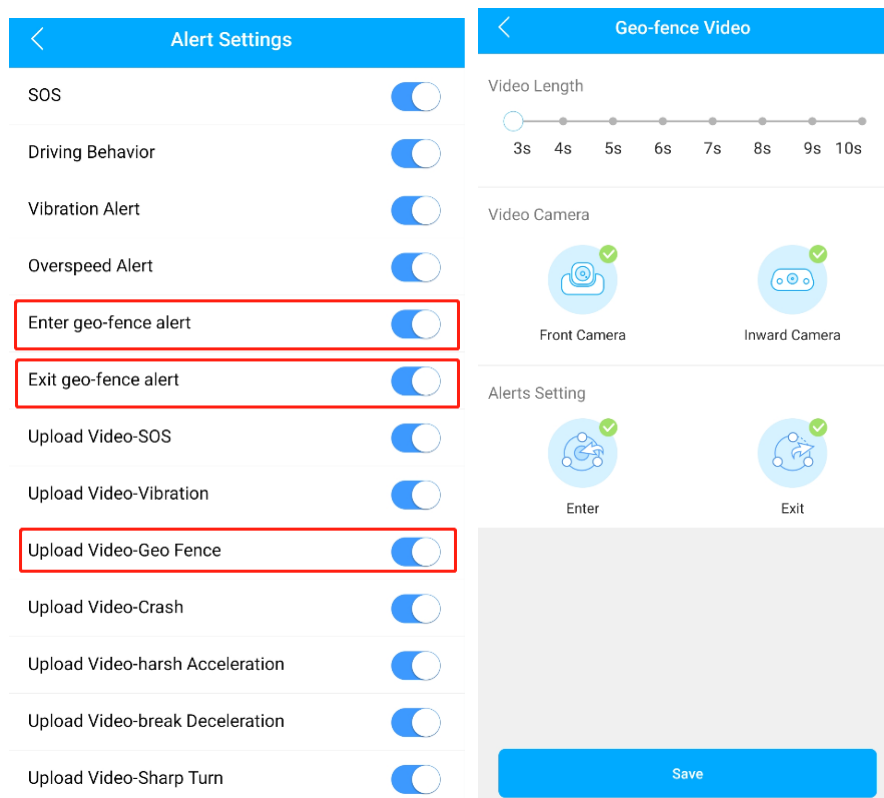
Note: The radius of the geo fence ranges from 200m to 5000m.



Enabling the feature


Go to **List** and tap  under a desired device to access **More Actions**. Then to **Settings > Alert Settings** to enable **Enter geo-fence alert**, **Exit geo-fence alert**, and **Upload Video-Geo Fence**. Back to **Settings**, tap **Geo-fence Video** to set the video length and the camera(s) to capture videos upon a geo-fence event and then tap **Save** to complete.

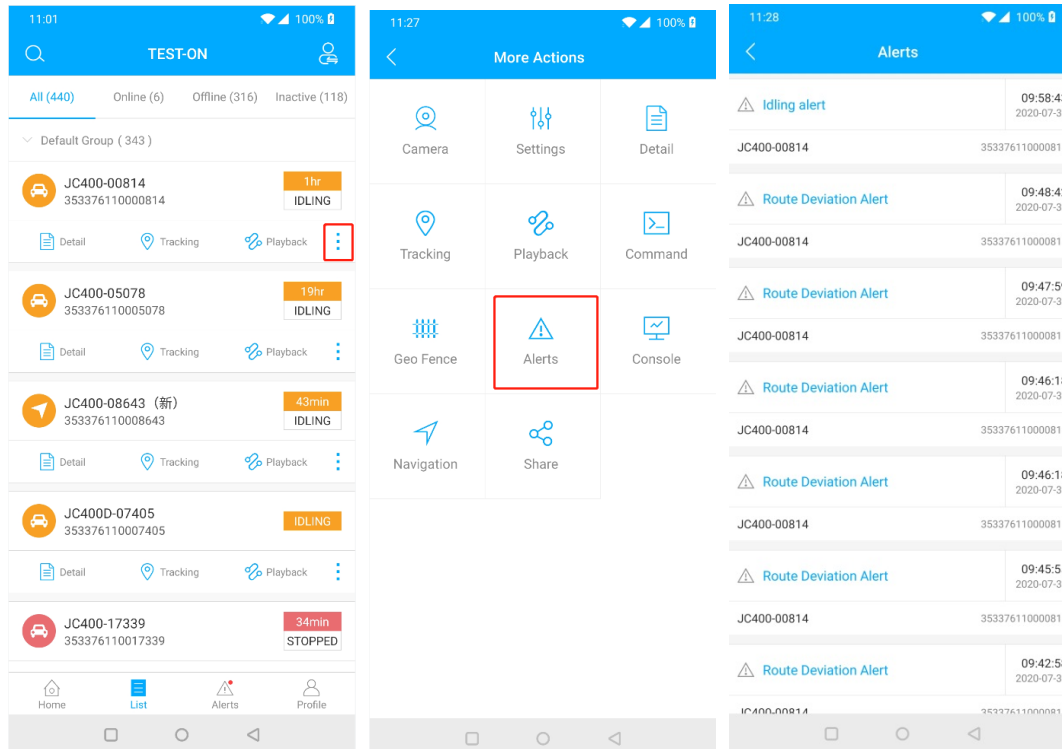
As the following figures show:



Checking alerts

An alert message will be sent to the platform upon a enter or exit event once the corresponding feature is enabled in **Alert Settings**.


Go to **List** and tap  under a desired device to access **More Actions**. Tap **Alerts** to view geo-fence alert if any has triggered.



4.2.2 DMS

Manual calibration

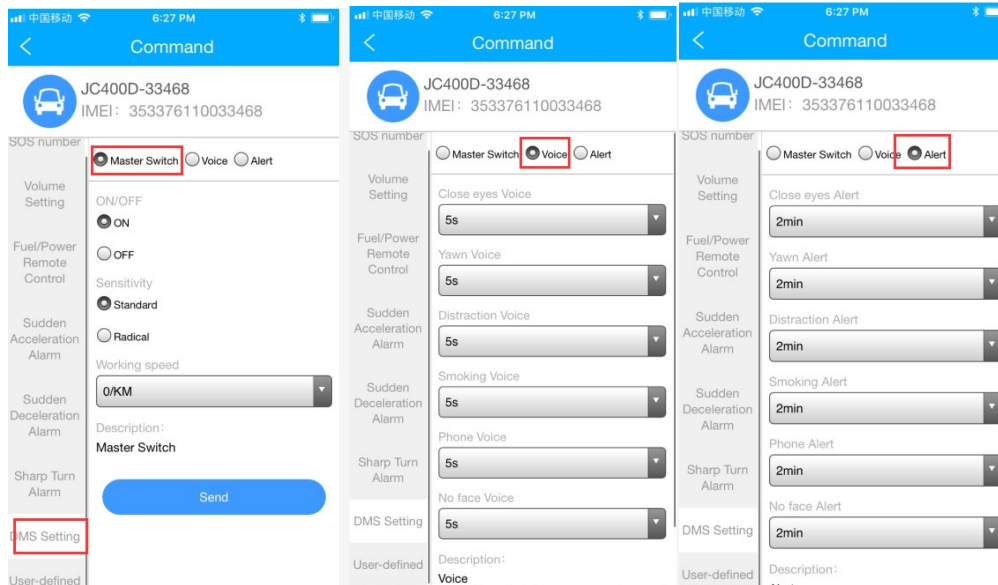
The DMS feature is used to monitor the driver's behavior. The prerequisite is that the device is facing the driver's head for calibration.

Go to **List** and tap  under a JC400D to access **More Actions**. Then go to **Command** > **DMS Setting**, where you can set related parameters.

DMS calibration: By default, the master switch is on, the sensitivity is set to standard, and the working speed is set to 0km/h, at which speed the calibration initiates. If the working speed is set to another value, then the calibration will only launch when the vehicle speed reaches the another value.

Voice: By default, the alert tone for all types of DMS events sounds every 5s. The interval can also be set to 10s, 30s, or 60s and configured separately.

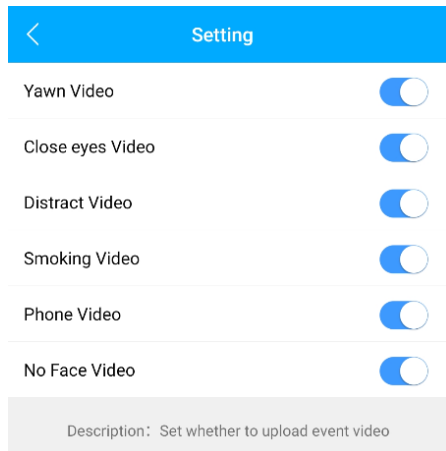
Alert: The default upload interval for event videos is 2 mins. The interval can also be set to 3 mins, 10 mins, or 30 mins and configured separately for videos of different events.



Enabling the feature

Go to **List** and tap under a JC400D to access **More Actions**. Then go to

Settings > DMS, where you can enable related features. If any such event is triggered, the device will report to the platform by preset rules.

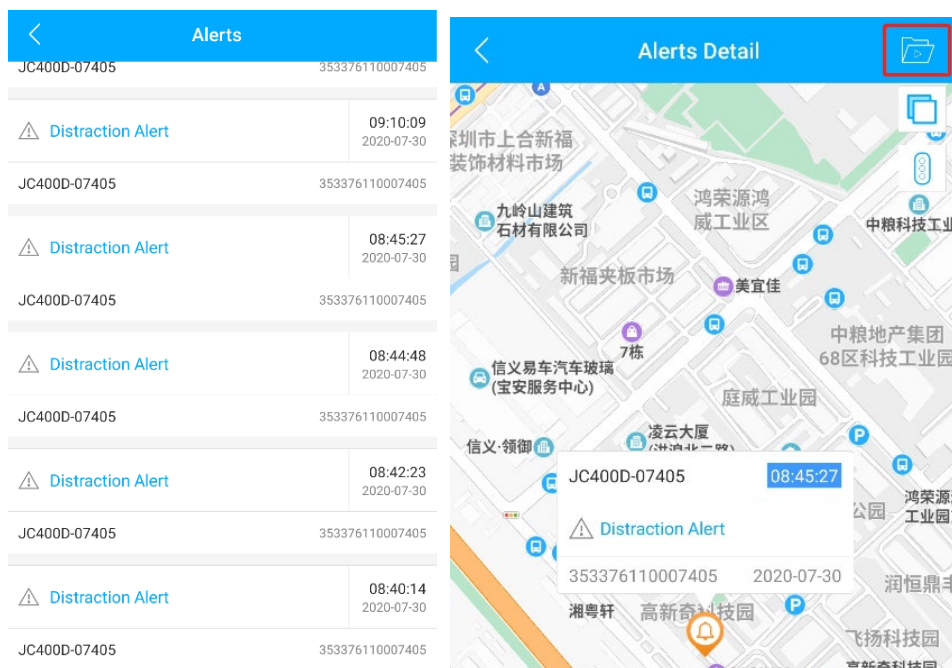


Checking alerts

Go to **List**, tap under a JC400D to access **More Actions**, and then tap **Alerts**. If any DMS alert is triggered, the alert will appear in the alerts list. You can tap on a DMS alert to view its

details and tap on to view the relevant video.

Note: An event video will be deleted on the device after being uploaded to the cloud server.

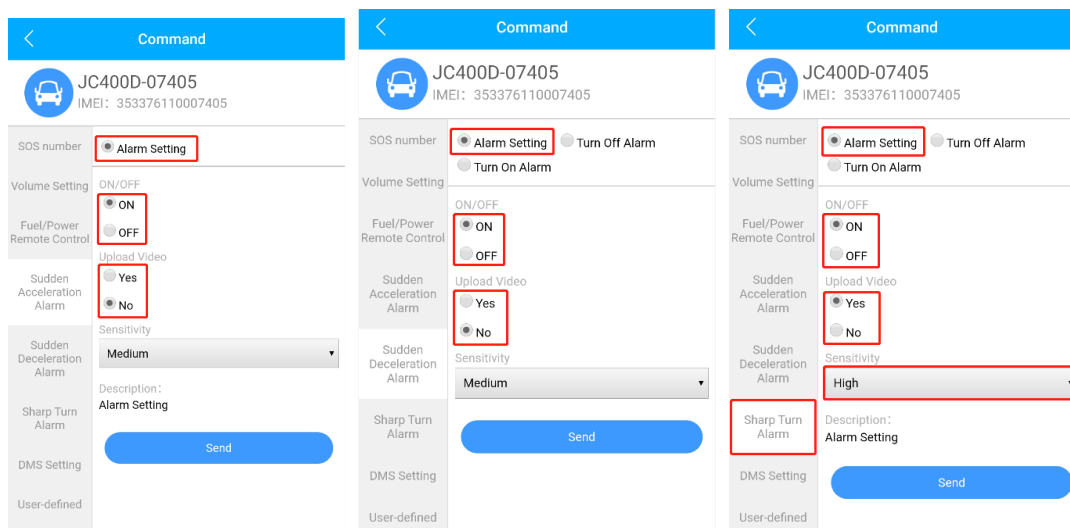


4.2.3 Driving Behavior

Dangerous driving behavior includes harsh acceleration, harsh braking, and sharp cornering.

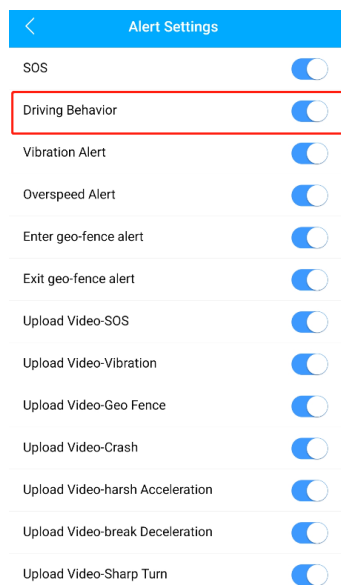
Setting parameters

Go to **List**, tap under a device to access **More Actions**, and then tap **Command** to enable driving behavior detection features and set their sensitivity levels. The sensitivity level indicates how easy an alert will be triggered when the GPS speed reaches a specific value. See the following figures for setting details:





Enabling the feature

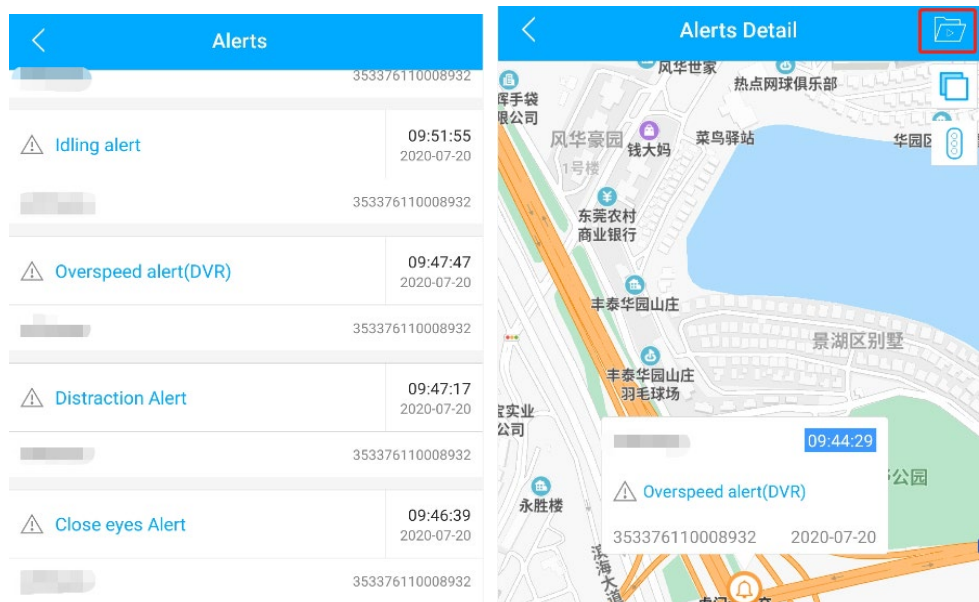
Go to **List**, tap under a device to access **More Actions**, and then go to **Settings > Alert Settings** to enable the driving behavior feature, as the following figure shows.



Checking alerts

If the above set conditions are met and an event is triggered, an alert message will be uploaded to the platform.

Go to **List**, tap  under a DVR to access **More Actions**, and then tap **Alerts**. If a driving behavior alert has been triggered, it will appear in the alerts list. You can tap on the alert to view its details and tap on  to view the relevant video.



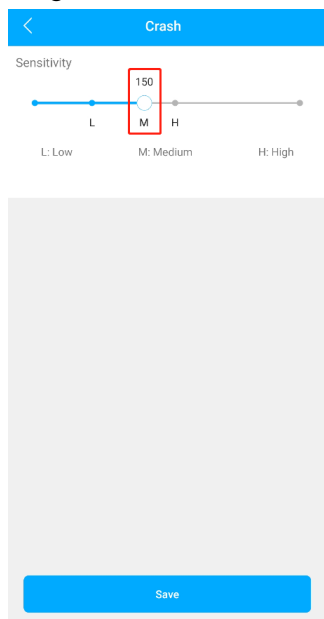
4.2.4 Collision Alert

Setting parameters

The collision level is the sensitivity, which can be set to low, medium, or high. When the gravity acceleration reaches a preset threshold, a collision event will be triggered.

Go to **List**, tap  under a device to access **More Actions**, and then go to **Settings > Crash**.

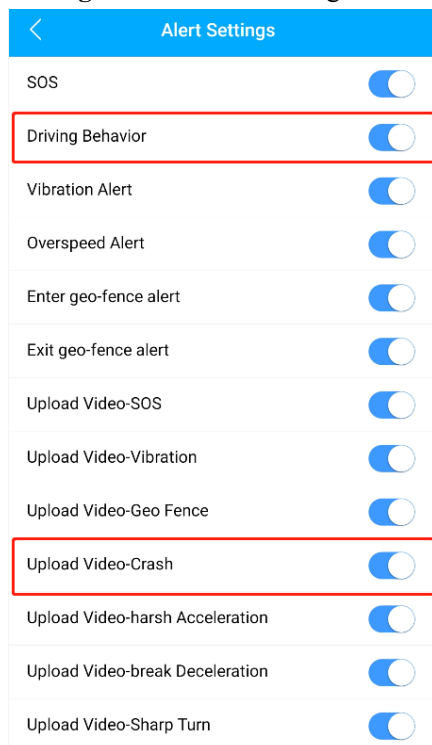
Drag the slider to set the sensitivity. By default, the collision alert is on and the sensitivity is M.



Setting the feature

Go to **List**, tap  under a device to access **More Actions**, and then go to **Settings > Alert**



Settings to enable the driving behavior feature and the upload video-crash feature.



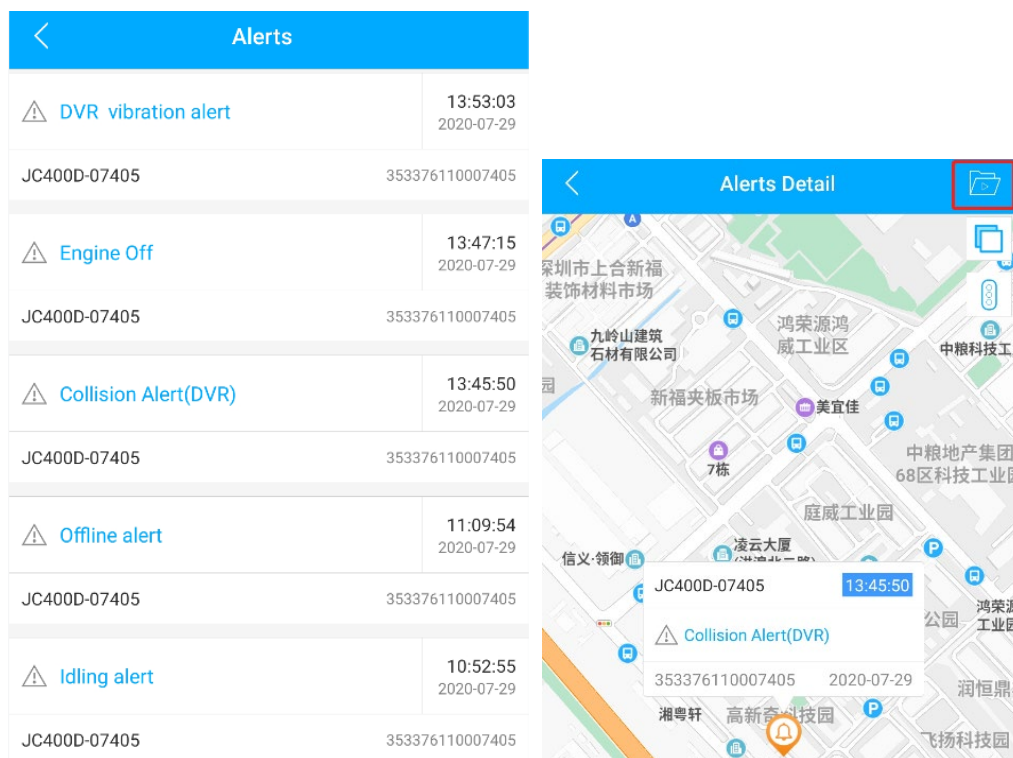
Checking alerts

If the above set conditions are met and an event is triggered, an alert message will be uploaded to

the platform.

Go to **List**, tap  under a device to access **More Actions**, and then tap **Alerts**. If any collision alert is triggered, the alert will appear in the alerts list. You can tap on a collision alert to view its details and tap on  to view the relevant video.


Note: An event video will be deleted on the device after being uploaded to the cloud server.

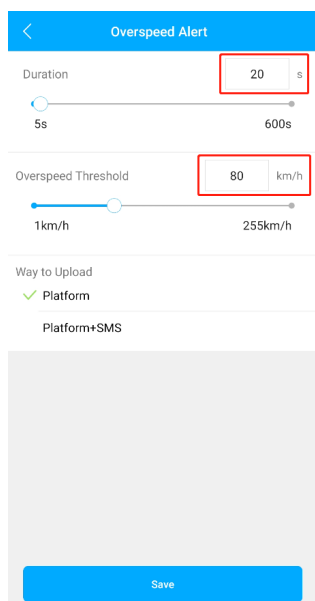


4.2.5 Speed Alert

If the device detects the GPS speed exceeds a preset threshold, it will send a speed alert to the platform.

Setting parameters

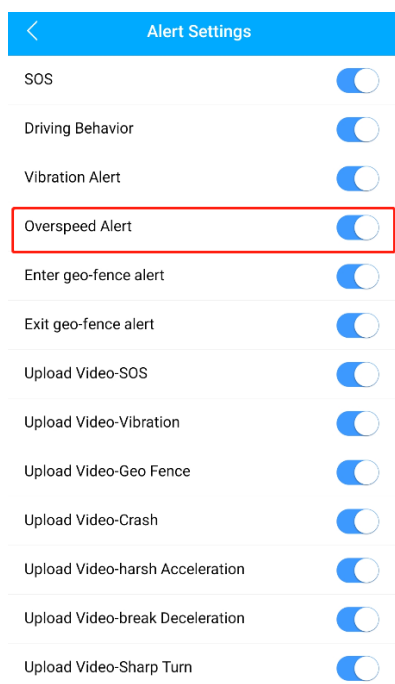
Go to **List**, tap  under a device to access **More Actions**, and then go to **Settings** > **Overspeed Alert** to set the duration, the alert threshold, and the way to upload the alert message. The default values 20s and 80km/h mean that the device will trigger a speed alert if the vehicle runs at 80km/h for 20s. The device can remind the operator via platform or both platform and SMS.



Setting the feature

Go to **List**, tap  under a device to access **More Actions**, and then go to **Settings > Alert**

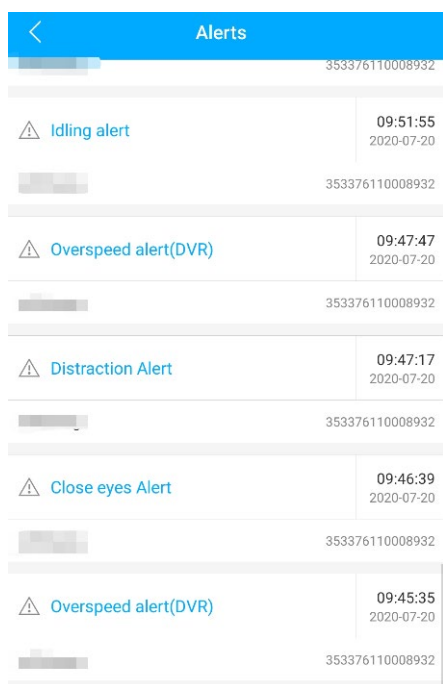
Settings to enable the overspeed alert.



Checking alerts


If the above set conditions are met when the vehicle is moving and an event is triggered, an alert message will be uploaded to the platform.

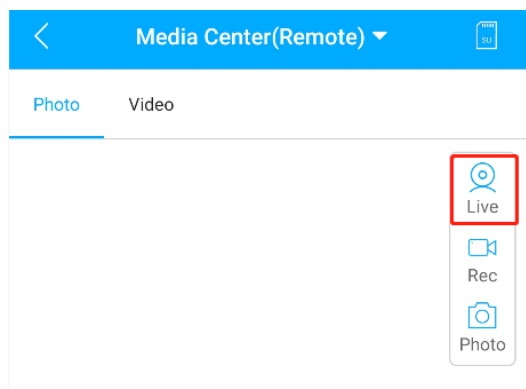
Go to **List**, tap  under a device to access **More Actions**, and then tap **Alerts**. If any speed alert is triggered, it will appear in the alerts list.



4.2.6 Live Video

Switching cameras during live streaming

Go to **List**, tap  under a device to access **More Action**, tap **Camera** to access the media center, and then tap on **Live** for live streaming. Alternatively, you can tap on the device, unfold the collapsed menu at the bottom, and tap **Camera** to access the media center for live streaming.



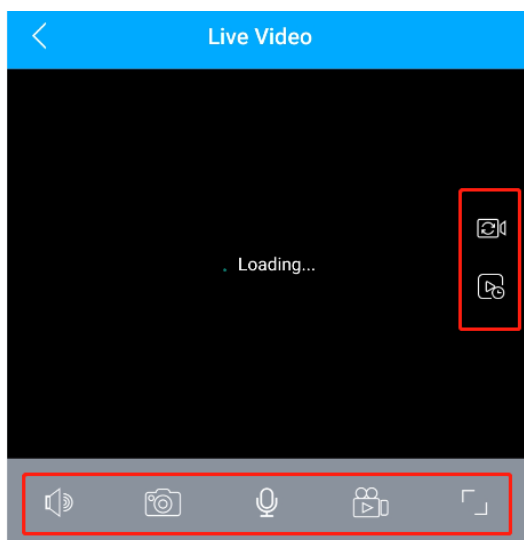
As the following figure shows:

The two buttons on the right is used for switching cameras and calling up the footage timeline.



The five buttons at the bottom are mute/unmute, photo, PTT, video, and maximize.

Note: The PTT function is of single channel, which means the driver can hear you while you are talking.

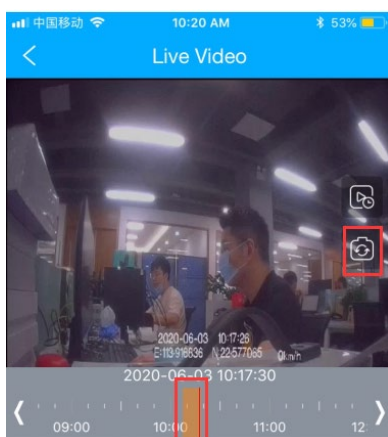
Tap on  and **REC** will appear on the streaming window.





Video playback

Go to **List**, tap  under a device to access **More Action**, and tap **Camera** to access the media center. Alternatively, you can tap on the device, unfold the collapsed menu at the bottom, and tap **Camera** to access the media center. Then tap on **Live** to access the **Live Video** interface and tap on  to call up the timeline.

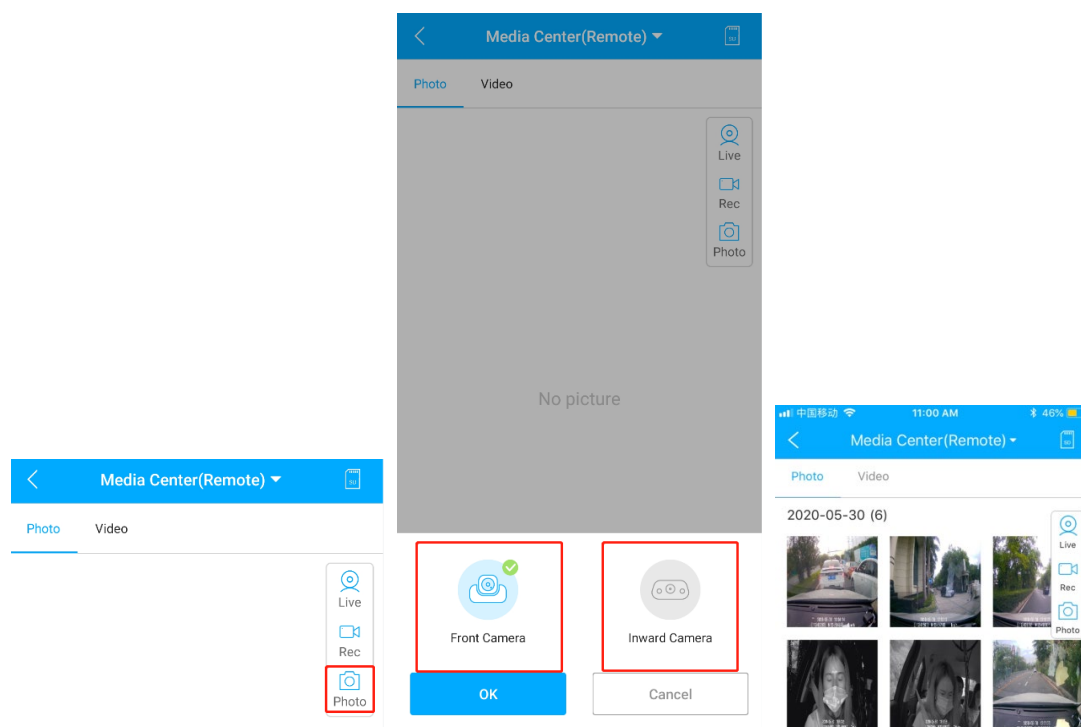
As the following figure shows, the timeline will show when video data is generated.




4.2.7 Remote Picture Taking

Go to **List**, tap  under a device to access **More Action**, and tap **Camera** to access the media center. Alternatively, you can tap on the device, unfold the collapsed menu at the bottom, and tap **Camera** to access the media center. Then tap on  to select a camera that you hope to use to capture a picture and tap **OK**.

The picture taken will appear in the photo list of the media center.



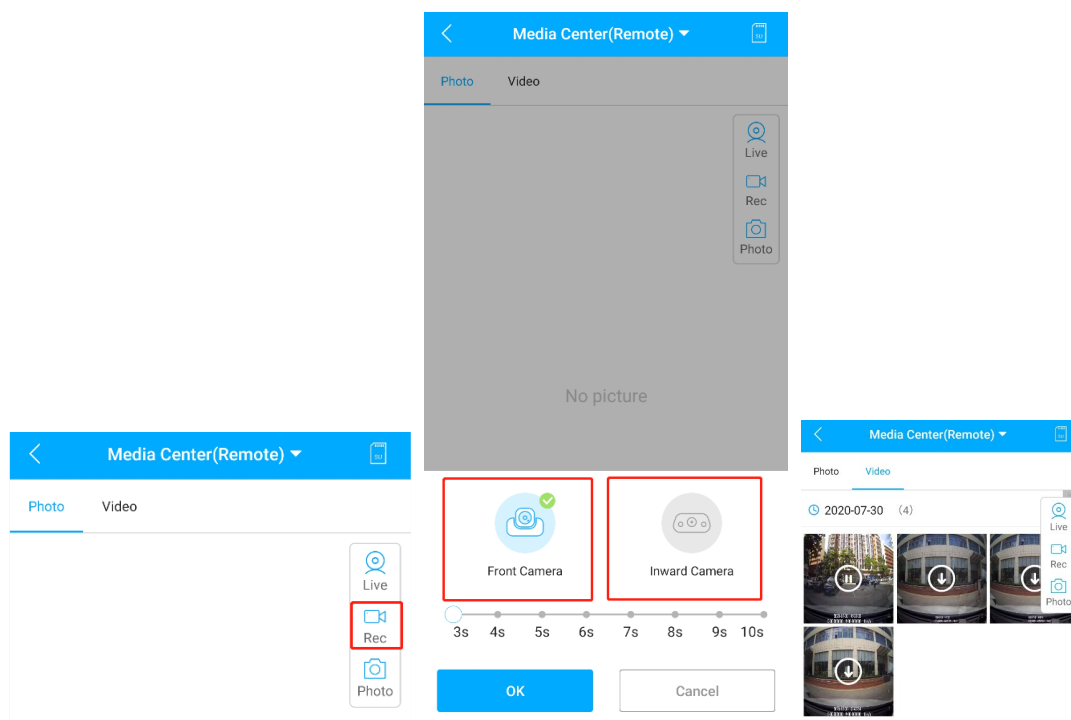
4.2.8 Remote Video Recording

Go to **List**, tap  under a device to access **More Action**, and tap **Camera** to access the media center. Alternatively, you can tap on the device, unfold the collapsed menu at the bottom, and tap

Camera to access the media center. Then tap on  to select a camera that you hope to use to capture a video and tap **OK**.

You can set the length of the video to capture to 3s to 10s.


The video captured will appear in the video list of the media center.

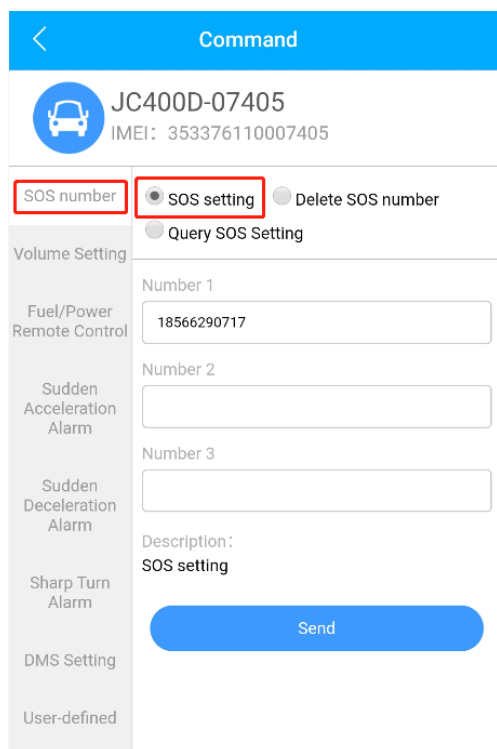


4.2.9 SOS Call


Setting parameters

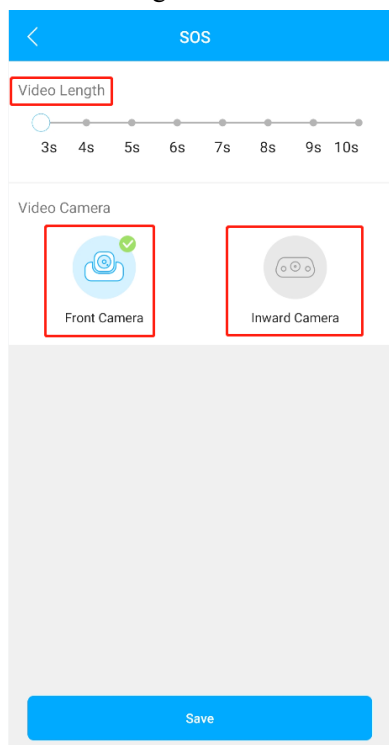
This feature works correctly on the ground that the SIM card attached has call or SMS services enabled and the device has configured with at least one SOS number.

Go to **List** and tap  under a device to access **More Actions**. Then go to **Command > SOS number**, where you can set related parameters. You can set 3 numbers at most for this feature. If OK is returned after the command is sent, the setting is a success.



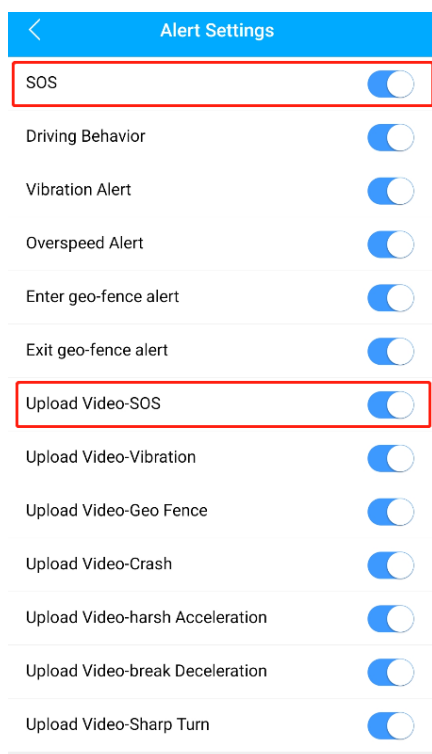
Enabling the feature

Go to **List** and tap  under a device to access **More Actions**. Then go to **Settings > SOS** to set the video length for SOS event videos and which camera will take them.





Go to **List**, tap  under a device to access **More Actions**, and then go to **Settings > Alert**

Settings to enable the SOS and related video upload feature, as the following figure shows.

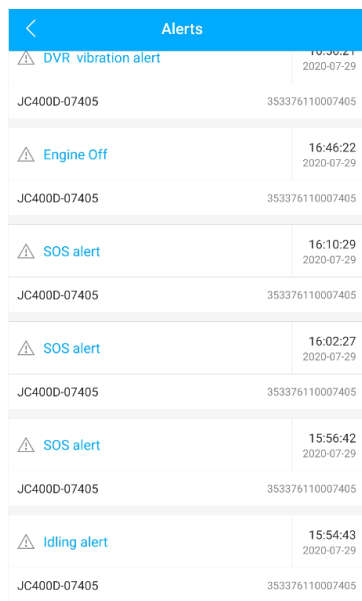


Checking alerts

If the above set conditions are met and an event is triggered, an alert message will be uploaded to the platform.

Go to **List**, tap  under a device to access **More Actions**, and then tap **Alerts**. If any SOS alert is triggered, the alert will appear in the alerts list. You can tap on an SOS alert to view its details and tap on  to view the relevant video.

Note: An event video will be deleted on the device after being uploaded to the cloud server.



4.2.10 Tracking

Real-time tracking


Real-time tracking and visualization are two core features of dash cams.

Go to **List**, tap  under a device to access **More Actions**, and then tap **Tracking** to view the current status of the vehicle.



Trip playback

The playback feature is very helpful if your vehicle is out in the field and you hope to know its trip during a specific time.

Go to **List**, tap  under a device to access **More Actions**, and then tap **Playback**. Set the start time, the end time, and the desired device, then the trip will appear.

