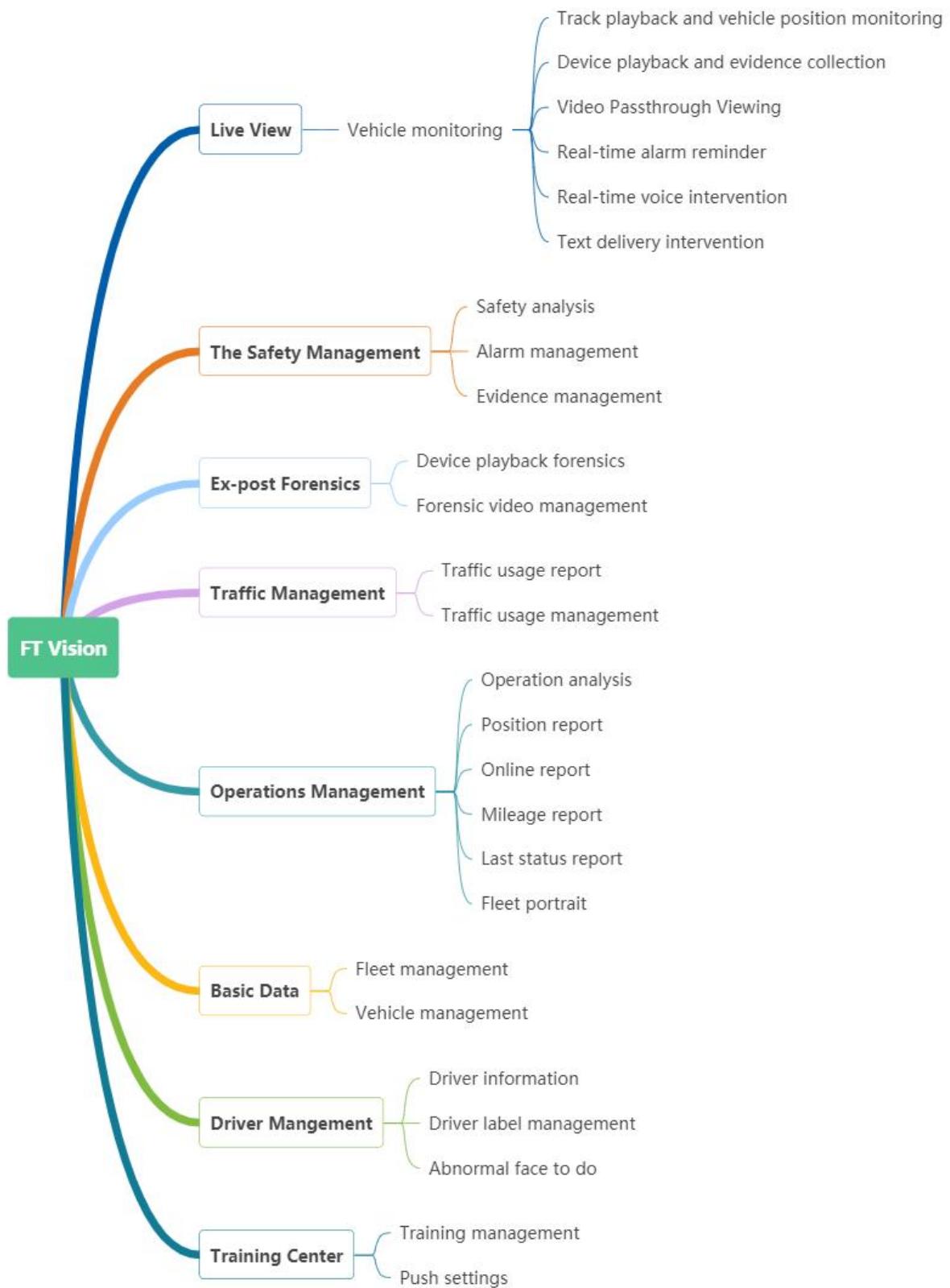


FT Vision V3.8 Operation Manual

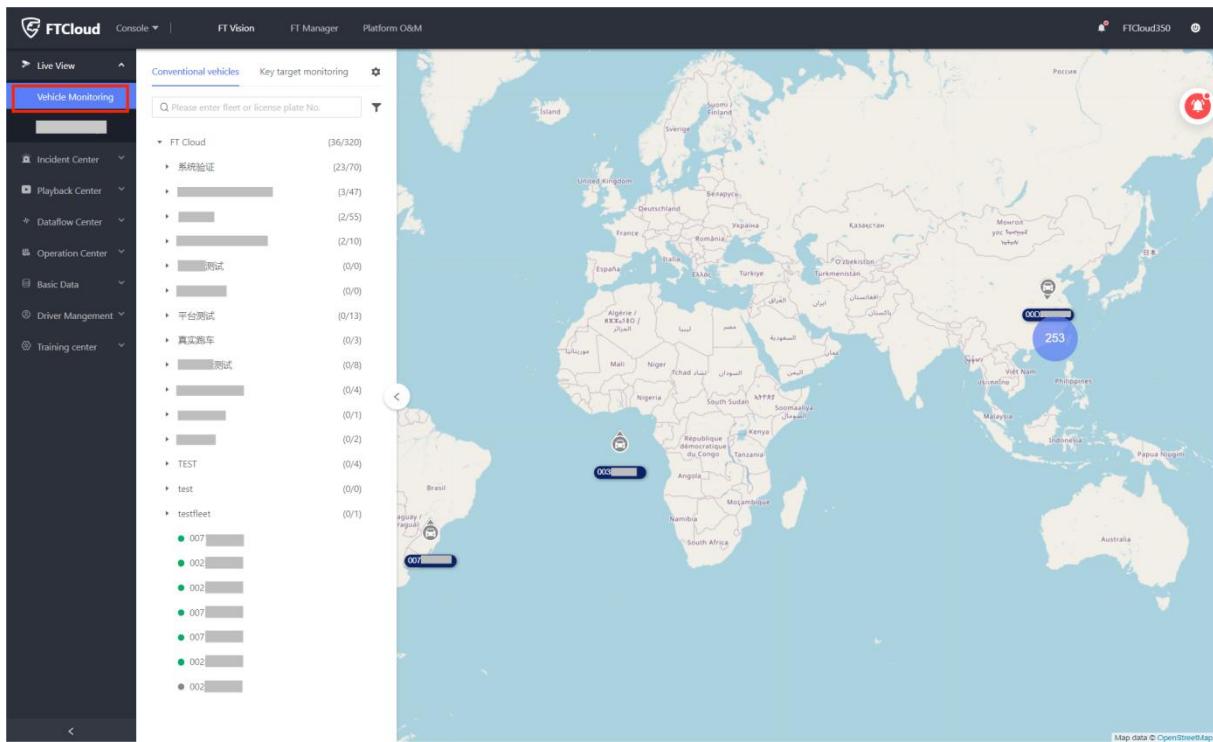
0 FT Vision Function Introduction

FT Vision consists of the following main functional modules:



The modules, functions and corresponding usage scenarios will be described in details in the following chapters.

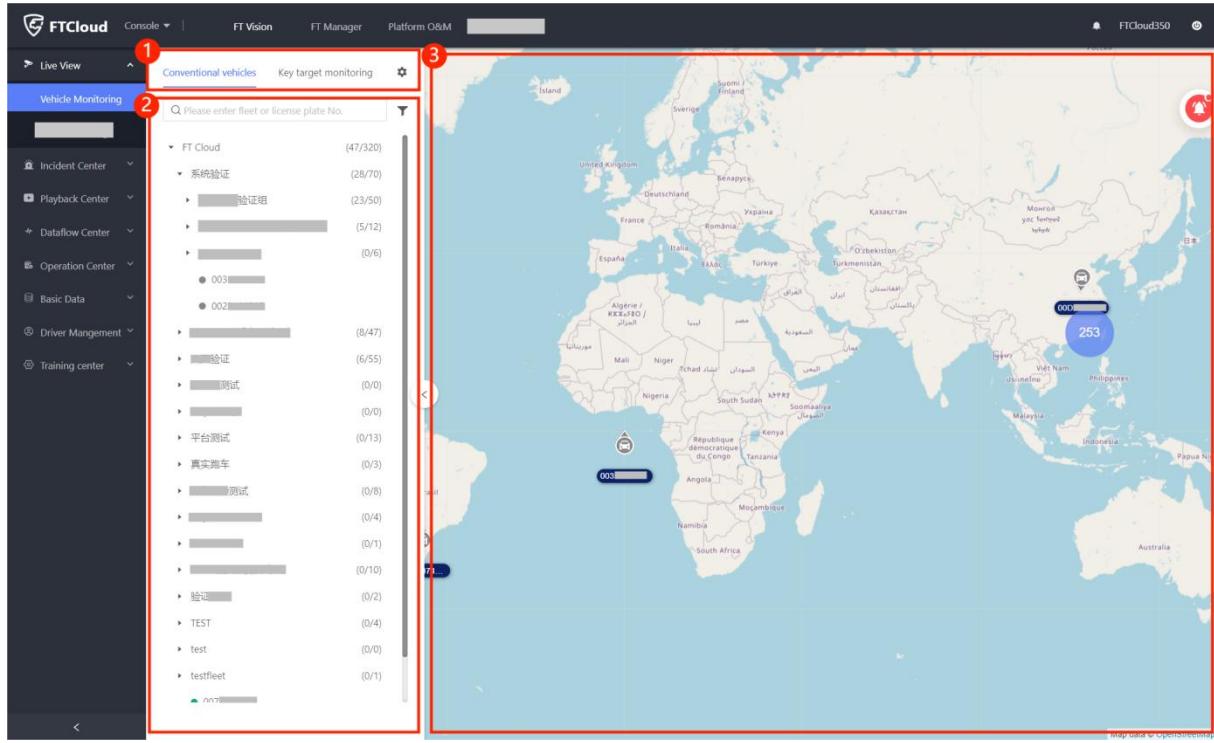
1 Real-time monitoring-vehicle monitoring



The function of this module is mainly to manage the daily monitoring of the fleet, providing real-time information of the fleet, such as real-time geographic location, live videos and real-time alarms. It can be used to overview and intervene the fleet operation according to the vehicle online status, map information and alarm information.

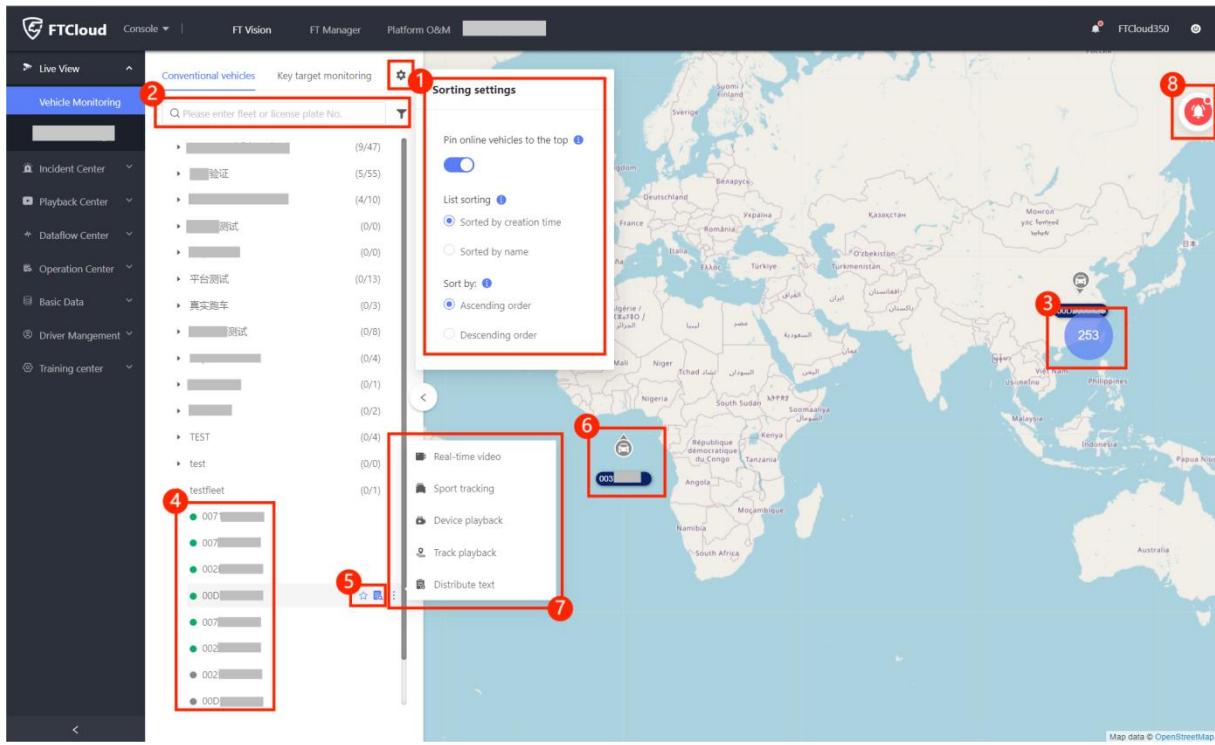
The regular vehicle organization tree and map area could be seen on the vehicle monitoring screen, and you can also access to track playback and device playback functions on this screen.

1.1 Module composition



- ① You can choose to display regular vehicles or key monitoring pages, with list sorting settings;
- ② Display of the regular vehicle organization tree or the list of key vehicles, and the total number of vehicles and the number of online vehicles on the right side of the list.
- ③ Display the map area with the number of vehicles or devices in the corresponding area.

1.2 Function introduction



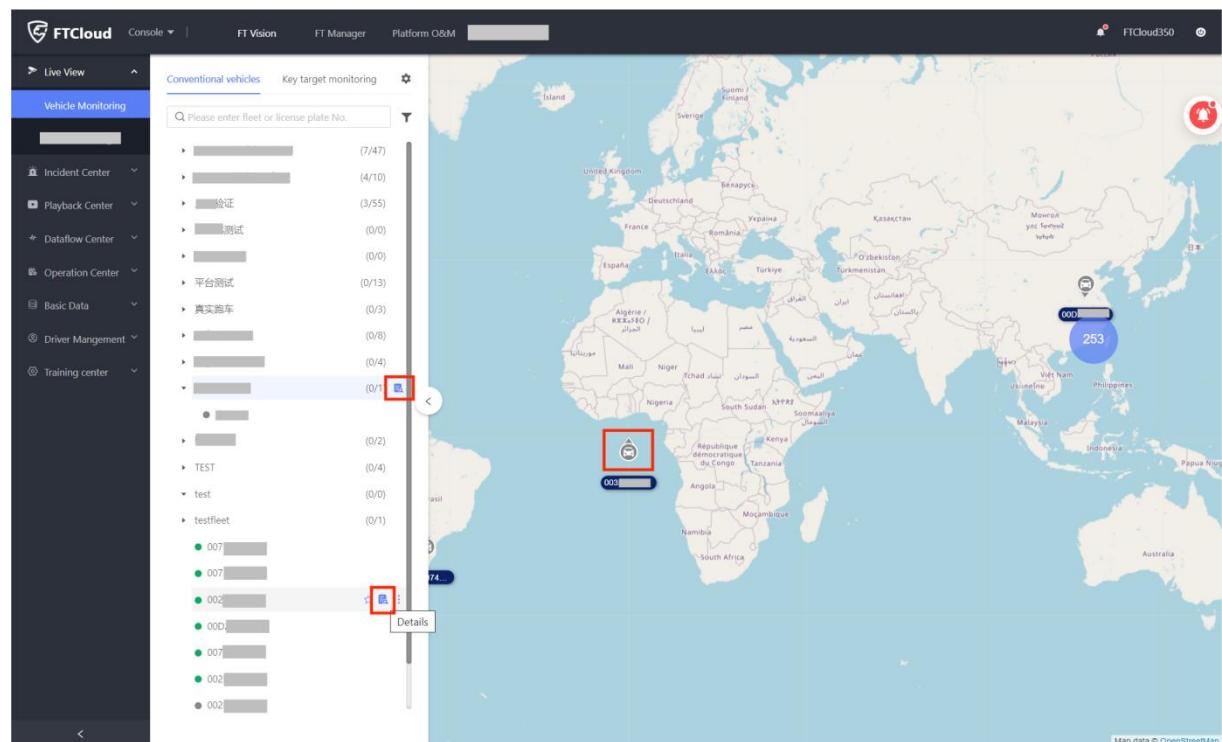
- ① You can set the sorting of the lists and set the topping and sorting method for lists;
- ② Filtering area: you can input the group name or license plate number to filter, or click the filter button to filter according to the vehicle status, i.e. online or offline;
- ③ On the map, the total number of vehicles in an area will be displayed, and clicking the total number of vehicles will enlarge the map to show the locations of vehicles in that area;
- ④ Clicking on the name of a vehicle in the list can also enlarge the map to show the location of that vehicle;
- ⑤ You can click the star-shape button to add vehicles as key target vehicles, click "Key target monitoring" to view the list of key target vehicles; click the detail button to view the vehicle group or vehicle information;
- ⑥ Vehicle information can also be viewed by clicking on the vehicle icon in the map;
- ⑦ You can access to the real-time video, single vehicle escort, device playback, track

playback and distribute text pages of the selected vehicle through the vehicle list; and

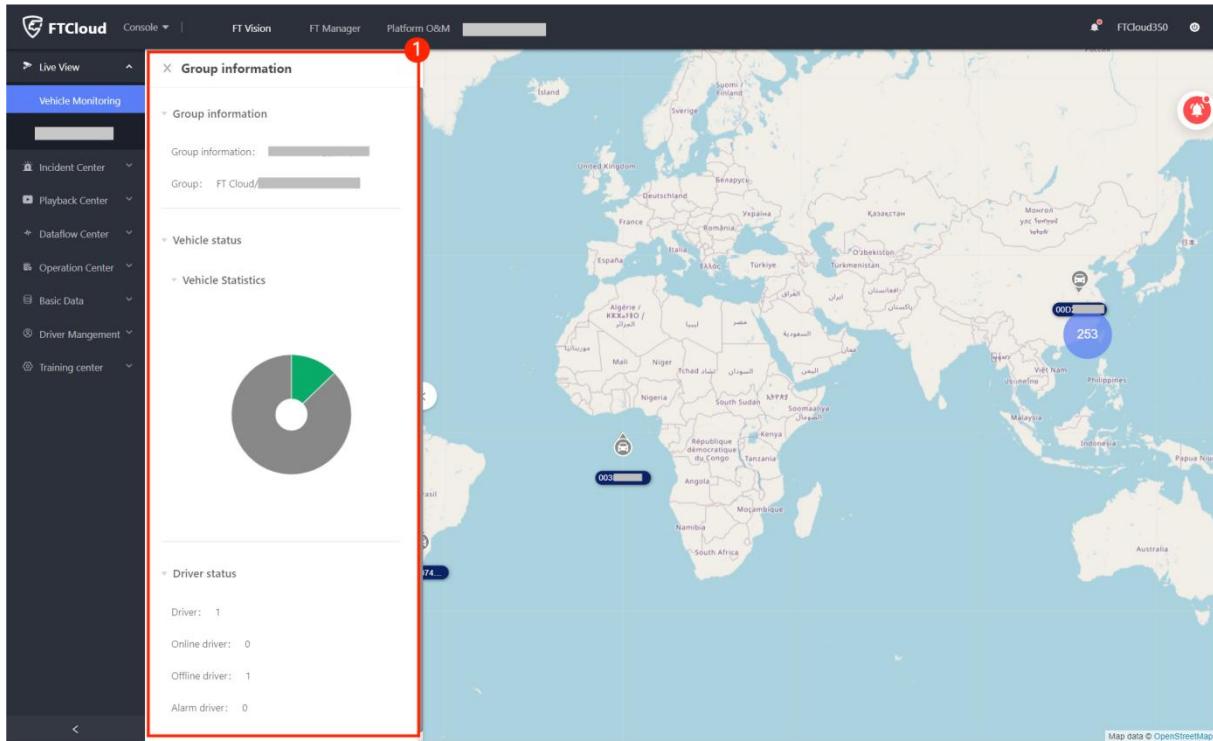
- ⑧ You can click the alarm button to view the alarm list.

1.3 Details

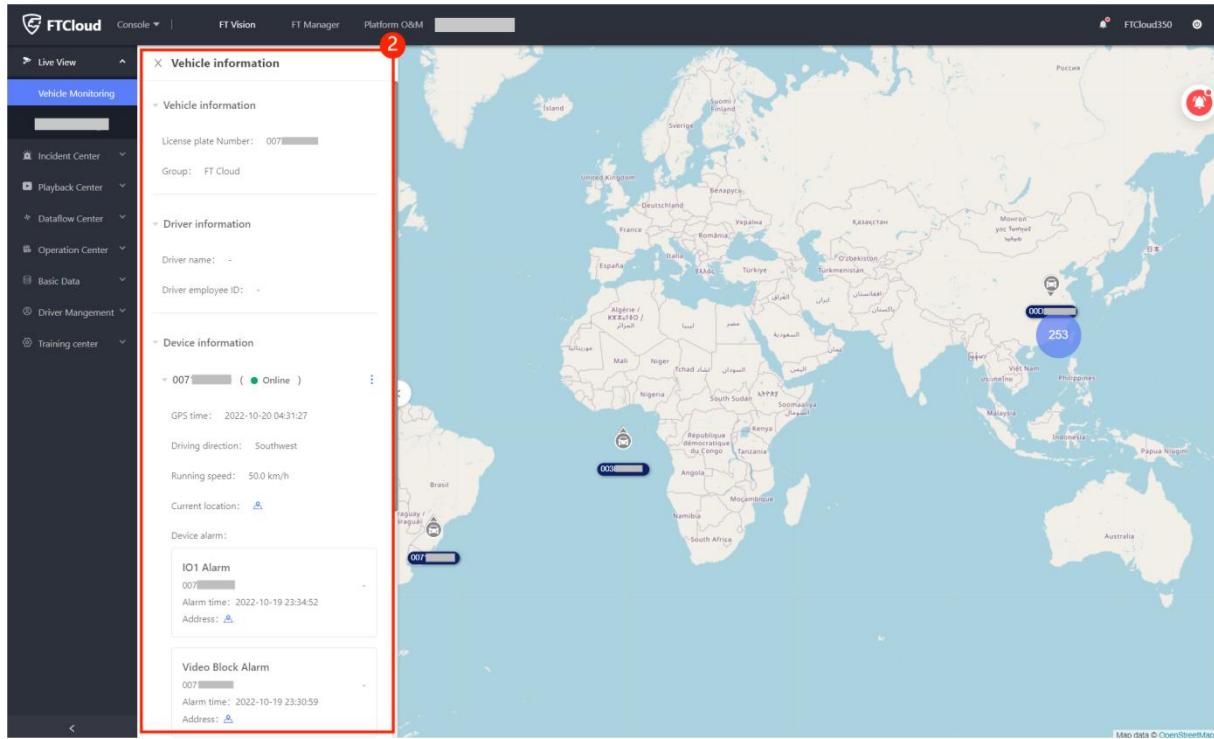
1.3.1 Fleet information and vehicle information



Click the details button to the right of a fleet or vehicle in the organization tree to display the fleet or vehicle information. (Vehicle information can also be displayed by clicking on the vehicle icon in the map)

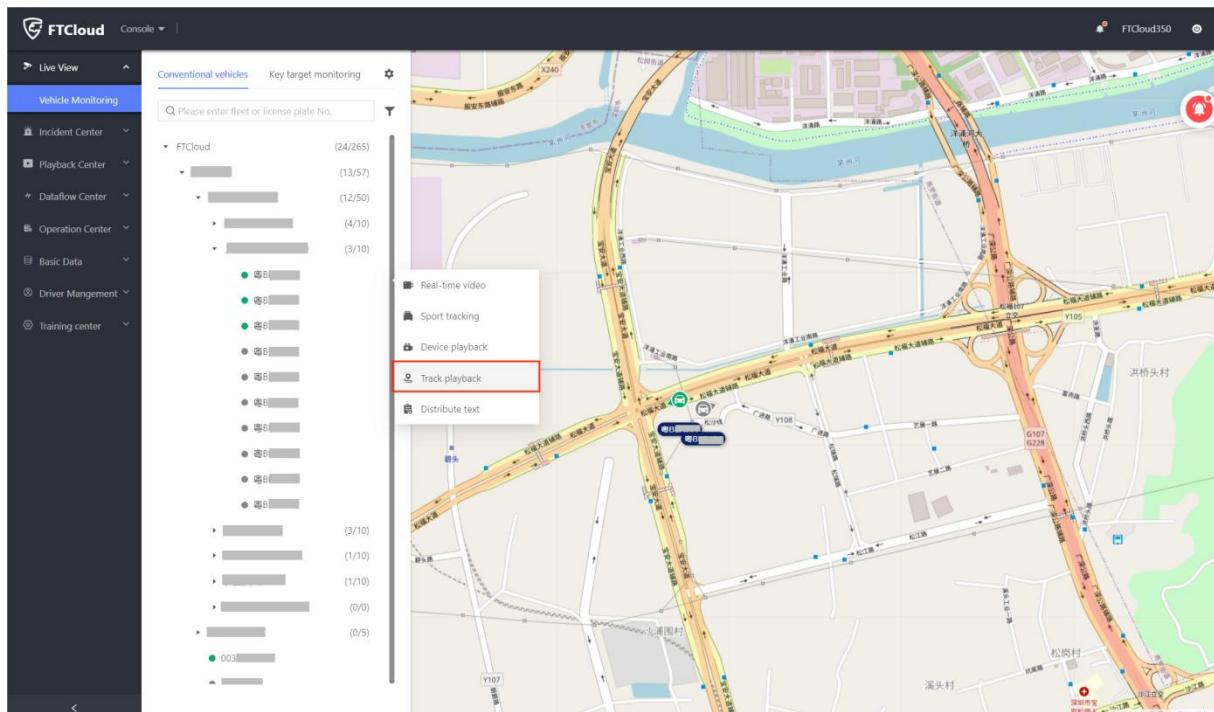


① Fleet information: To display the name of the fleet, belong fleet and other basic information, as well as the vehicle and driver status; where, the vehicle statistics in vehicle condition is shown in a pie chart, and vehicle status and number can be displayed in different colors by moving mouse cursor on the chart. Click to view the total number of vehicles in the fleet and the number of vehicles in the corresponding status.



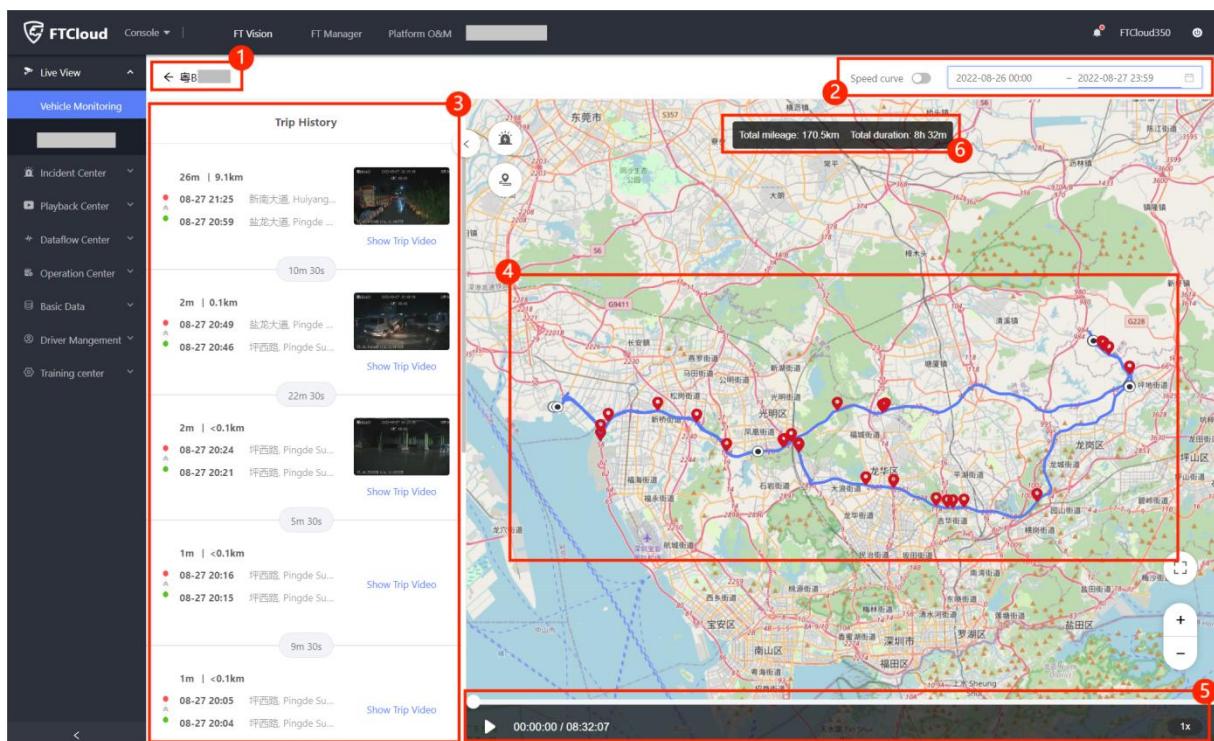
② Vehicle information: To display the basic information such as license plate number, fleet, driver's name and work number of the vehicle, as well as the location, speed and alarm of the device.

1.3.2 Track playback



You can select a specific vehicle on the "Vehicle Monitoring" page and click "Track playback" to view the history of the vehicle's trips and locate anomalies. That is, you can check a specific vehicle's travel track, travel time and distance, time and locations at the starting and ending points, parking information and speed curve on the set date, as well as the type, location, time and other information of alarm triggered by the vehicle for abnormal conditions.

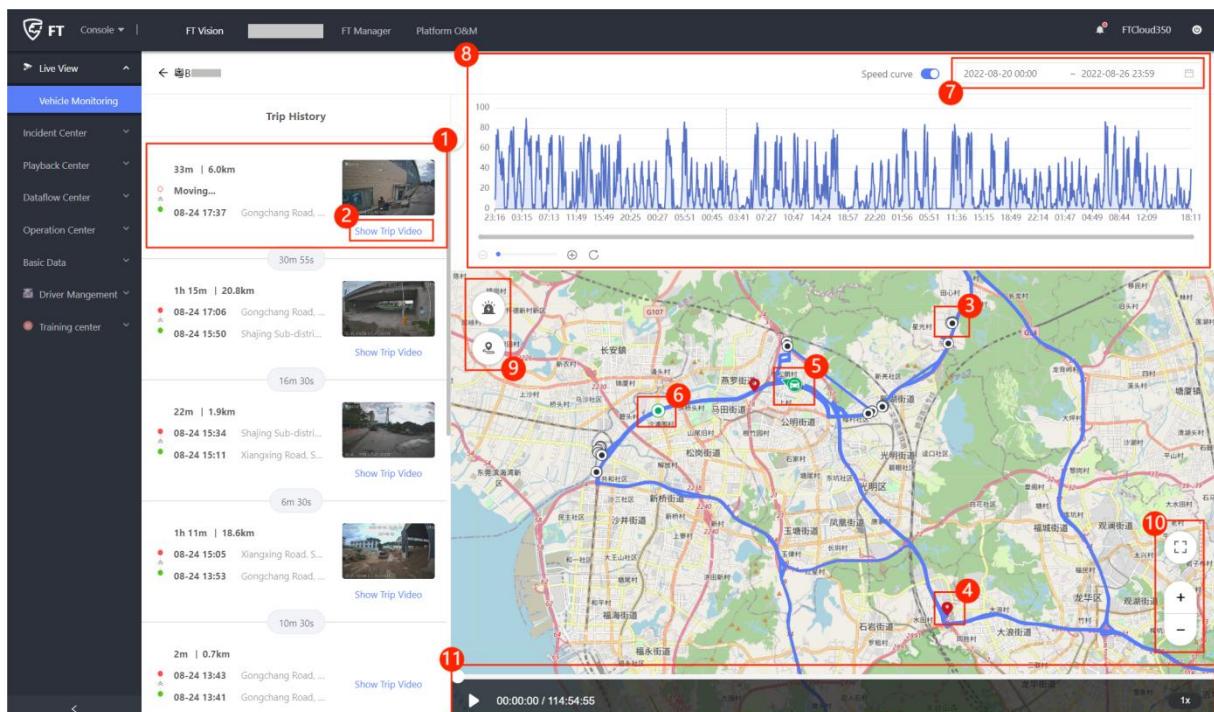
1) Module composition



- ① The back button and the license plate number of the selected vehicle are displayed in the upper left corner of the screen;
- ② The "Speed curve" button and the time components are displayed in the upper right corner;
- ③ A list of historical trips is on the left side;
- ④ The map track is on the right side;

- ⑤ A progress bar corresponding to the trip is displayed at the bottom of the map (no progress bar is displayed when no trip data is available);
- ⑥ Total trips and total time are displayed at the top of the map (only when all trips have been completed, i.e. there are no trips in progress).

2) Function introduction



- ① The trip card in the trip list shows the trip information, which can be displayed in conjunction with the map track;
- ② Click the "Show Trip Video" button to display the device playback page of the selected vehicle;
- ③ ④ ⑤ ⑥ The track line will show the parking points (black and white markers), the filtered alarm points (red markers), the position of the moving vehicle (green car marker), and the vehicle position linked with the progress bar or speed curve (green circle marker)
- ⑦ Time components: To select the starting and ending dates and time that you need to

view in track playback;

⑧ The speed curve can be displayed in conjunction with the map track;

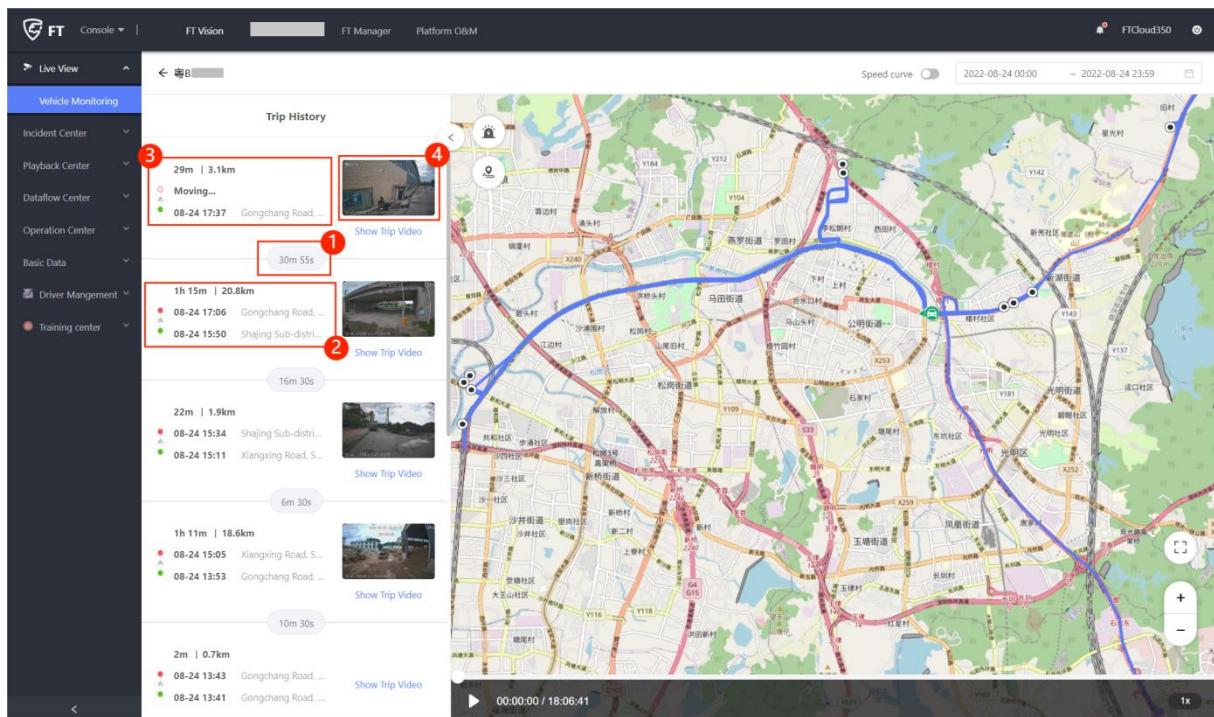
⑨ Alarm filtering and track export functions. Put mouse cursor over to display function names;

⑩ Full screen and zoom in and out functions;

⑪ The progress bar can be operated to play, stop, terminate and multiply the speed to show the vehicle track of the corresponding trip (the track line is marked with a green circle to show the vehicle position at the same time).

3) Details

a) Trip cards and map tracks

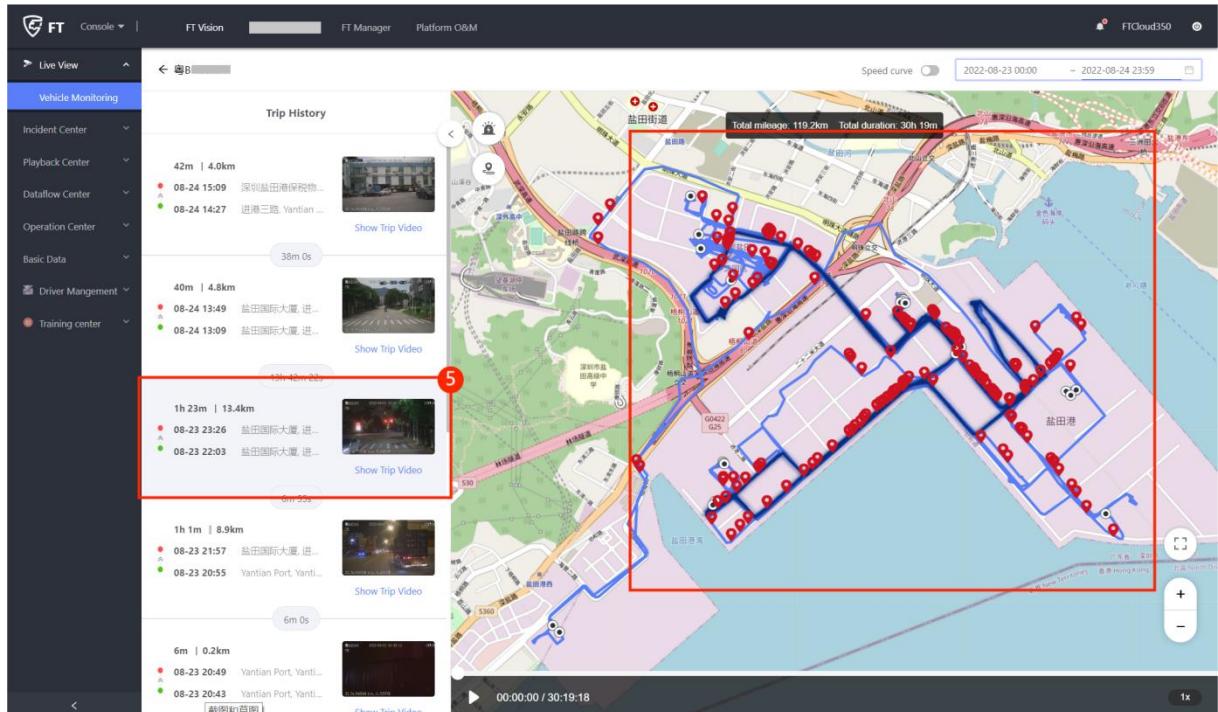


① The parking duration is displayed between every two trip cards;

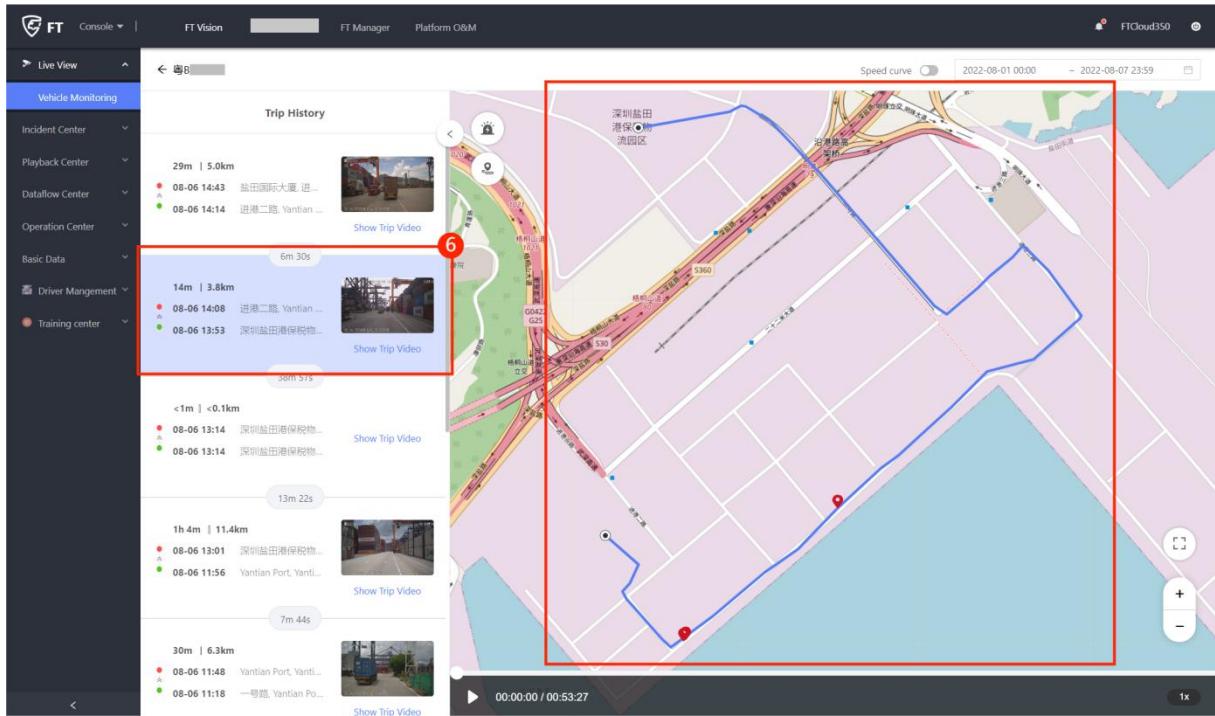
② For a completed trip, green dot is used to mark the start time and red dot for end time. Trip start time and location, trip end time and location, travel duration and travel

distance are shown in descending order;

- ③ For a trip in progress, red cycle is used to mark the driving status, and the driving duration and distance from the start to the current time obtained in real-time in the first line;
- ④ The right side of the trip card shows the captured pictures of the trip, the priority is "stopping and capturing", followed by other captured pictures, and if no picture is displayed, it means that no picture is captured;

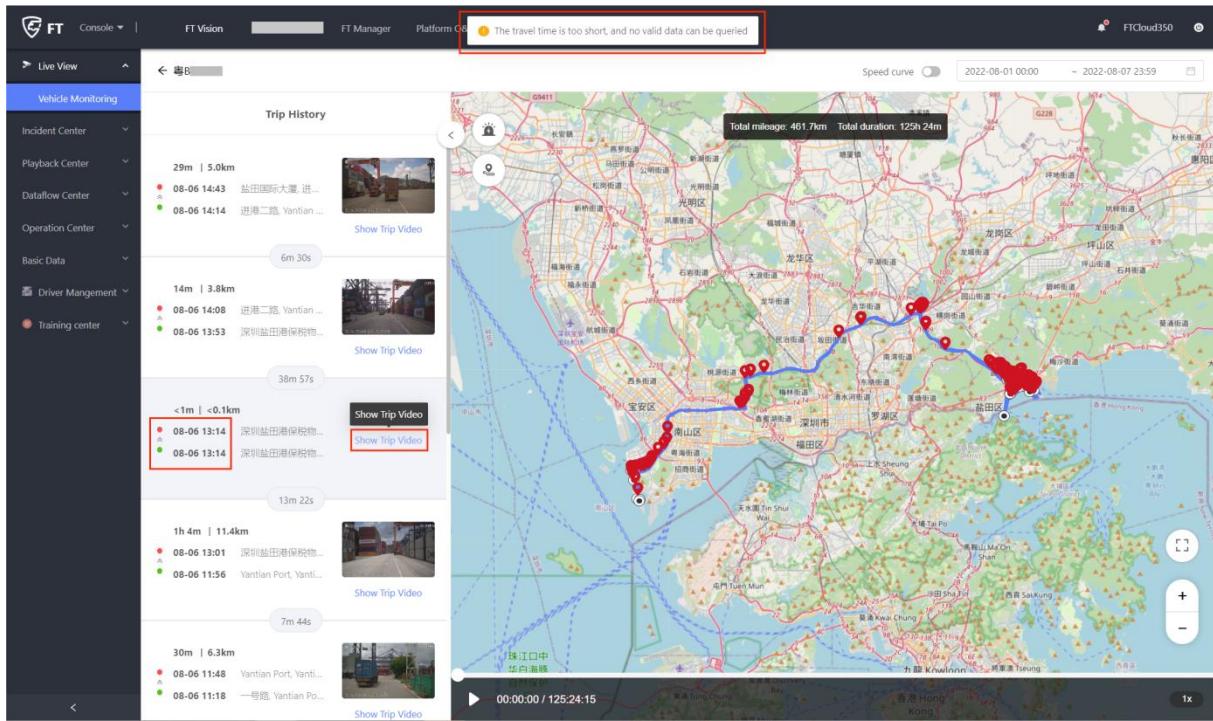


- ⑤ The overall travel track is displayed by default. Corresponding tracks could be highlighted and distinguished by moving mouse cursor over a sub-trip;



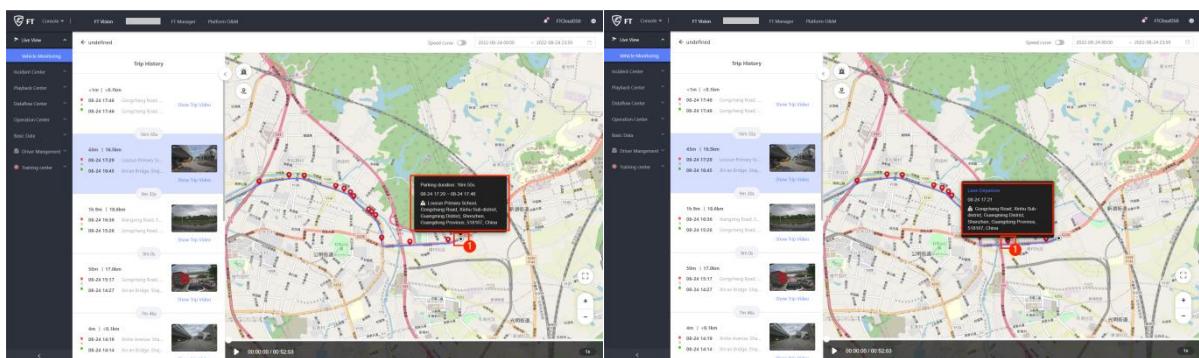
⑥ Clicking on a sub-trip will display only the selected trip track, and the map level will be zoomed in appropriately to display this section of the trip enlarged in the middle of the map, and clicking on the selected trip again will return to the default state of displaying the total trip track.

b) Check video playback

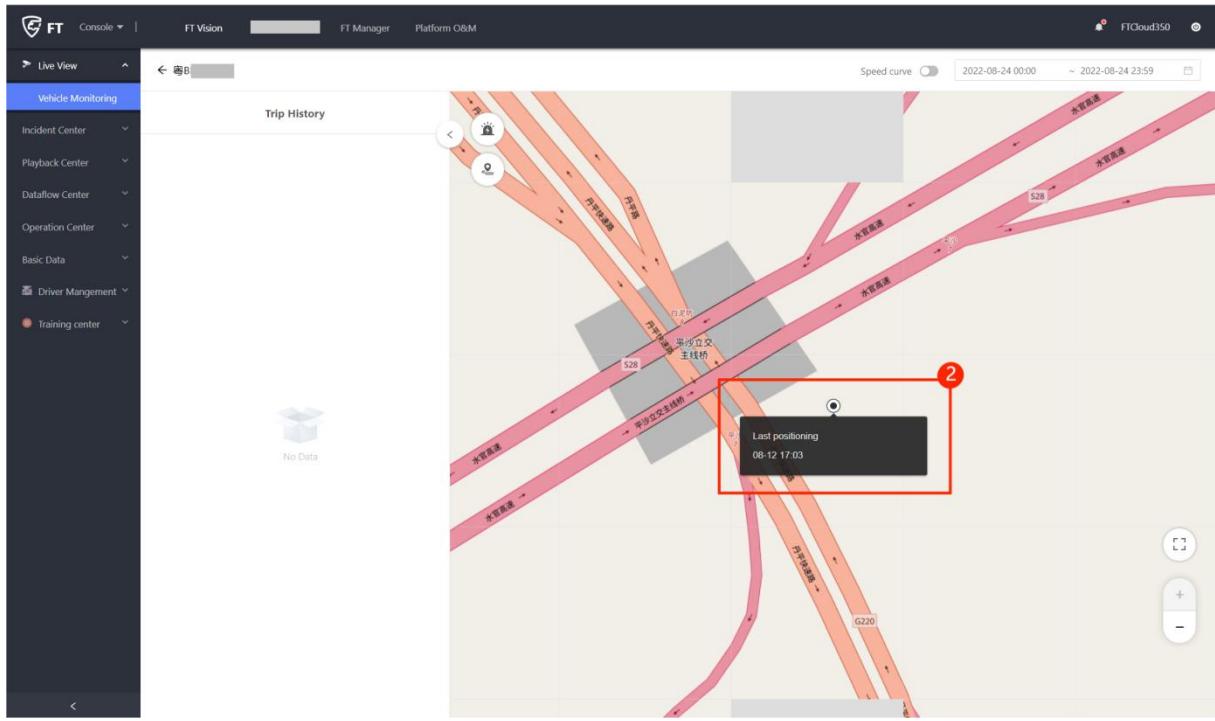


Click "Show Trip Video" to display the device playback page of the selected vehicle. If the trip start time is the same as the trip end time (i.e. the trip time is too short), there will be no valid data, and the pop-up window on the page will indicate "The travel time is too short, and no valid data can be queried".

c) Parking point and alarm point

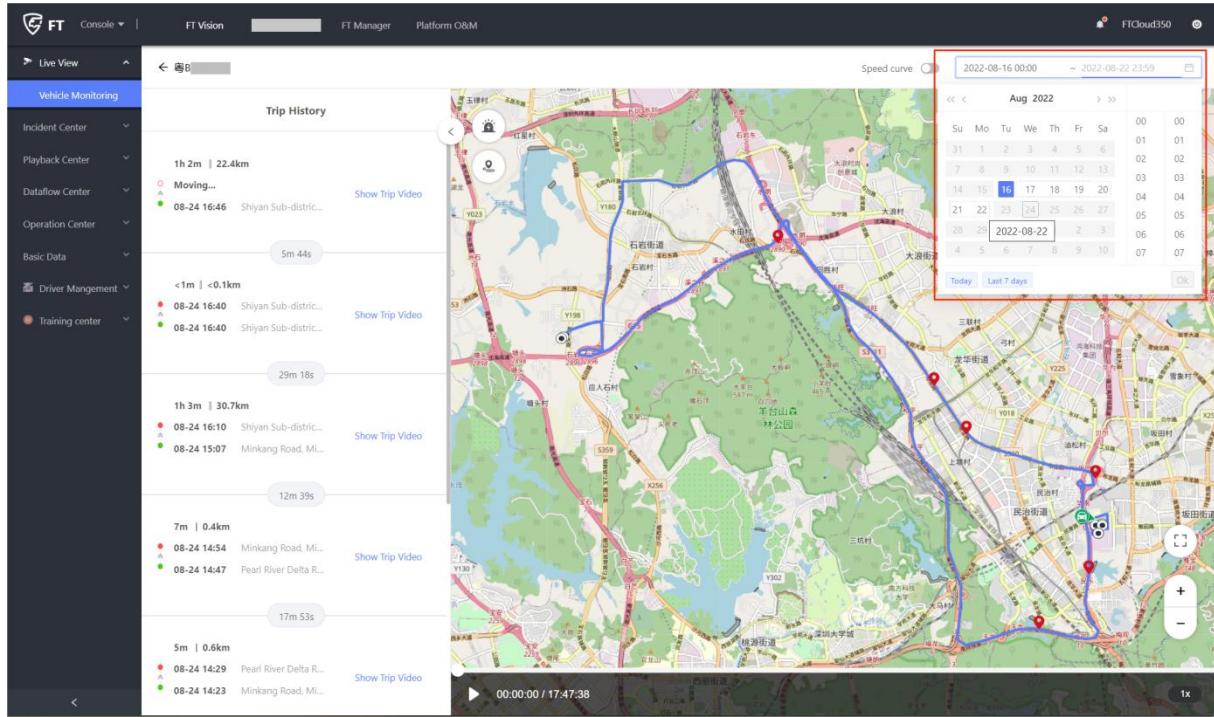


① Click on the parking point and alarm point to display parking information and alarm information;



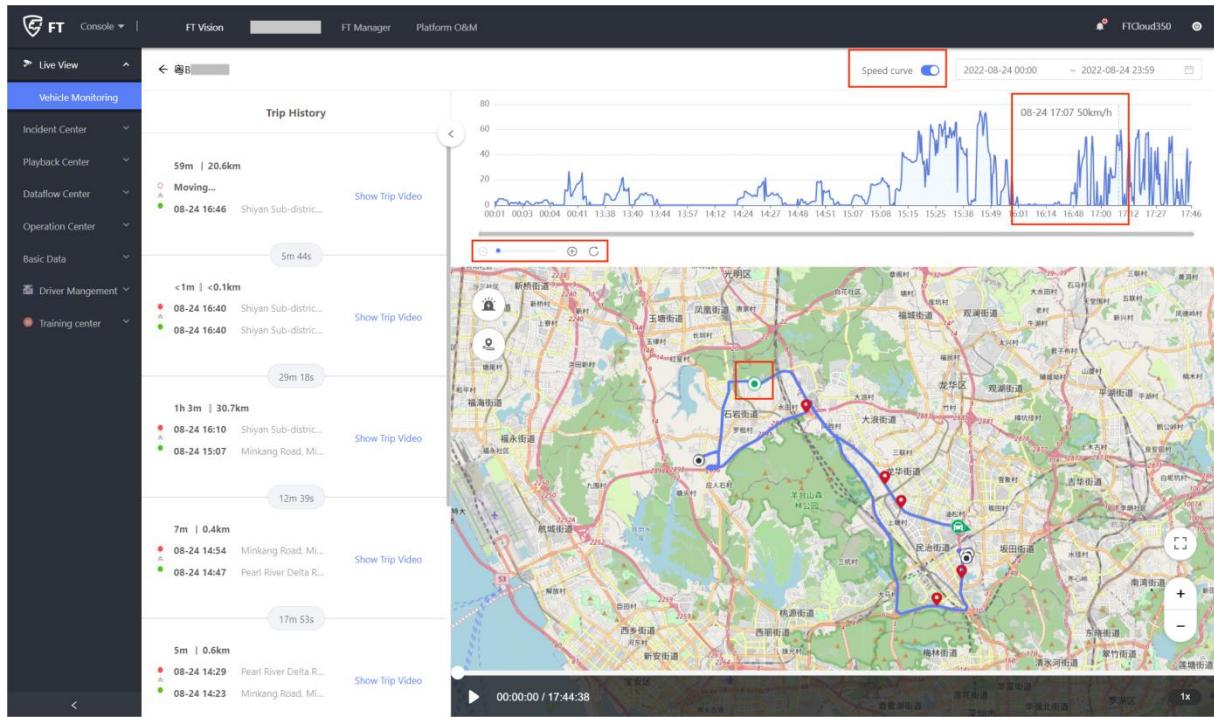
- ② When there is no trip data for the selected date, the last positioning information of the vehicle will be displayed if the selected date includes the current day, and the vehicle positioning information will not be displayed if the selected date does not include the current day.

d) Time component



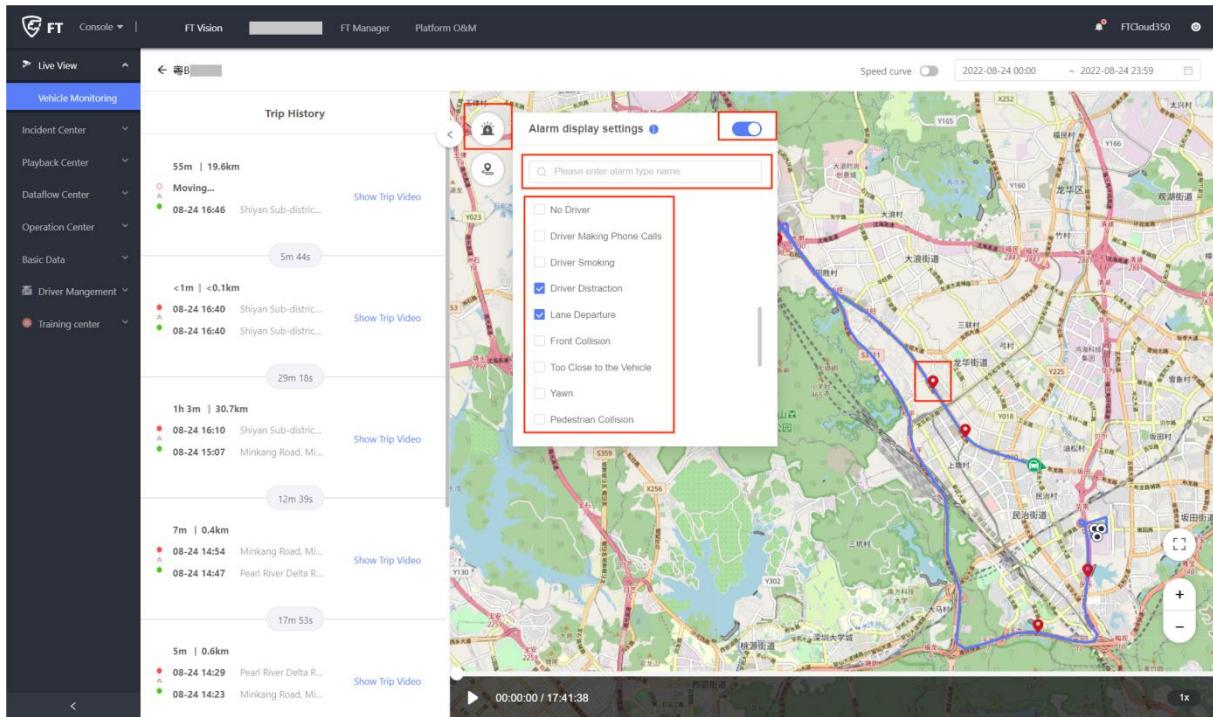
Click the time entry box, select the start time and end time respectively, and click "Ok" to confirm the selection. The current date will be selected by default, the default start time is 00:00, the default end time is 23:59, and the maximum selection span is 7 days.

e) Speed curve



Click "Speed curve" button, you can pull down the curve trend graph to zoom in and out. Moving the mouse cursor over it could show the alignment line, and the corresponding time and speed, and the track will be linked with green markers to show the corresponding positions.

f) Alarm display settings



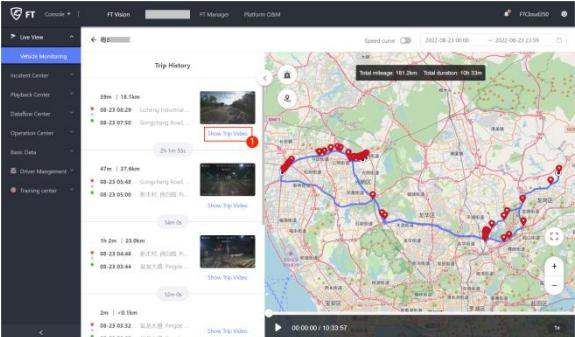
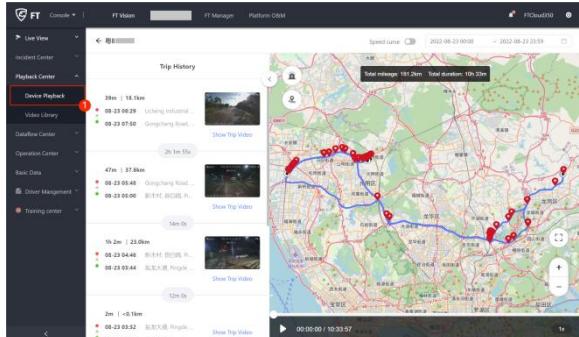
Click the alarm filter button to display the "Alarm display settings" window. You can click the on button in the upper right corner of the window to enable the alarm display and select the alarm type to be displayed when the alarm display is on. The alarm points will be marked in red on the map track line, and you can also search for the alarm type you want to select in the search box.

1.3.3 Device playback

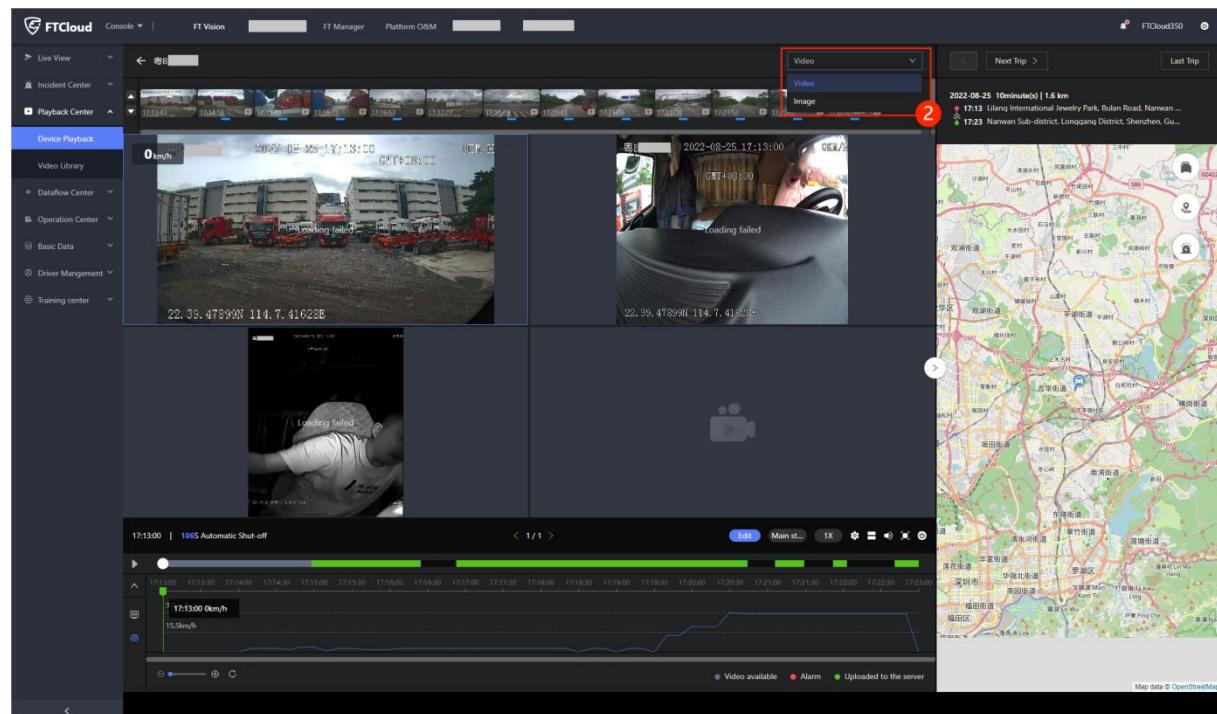
- ① The device playback page can be accessed in two ways, i.e. from track playback and from the menu;

Device playback accessed through track

Track playback accessed through menu

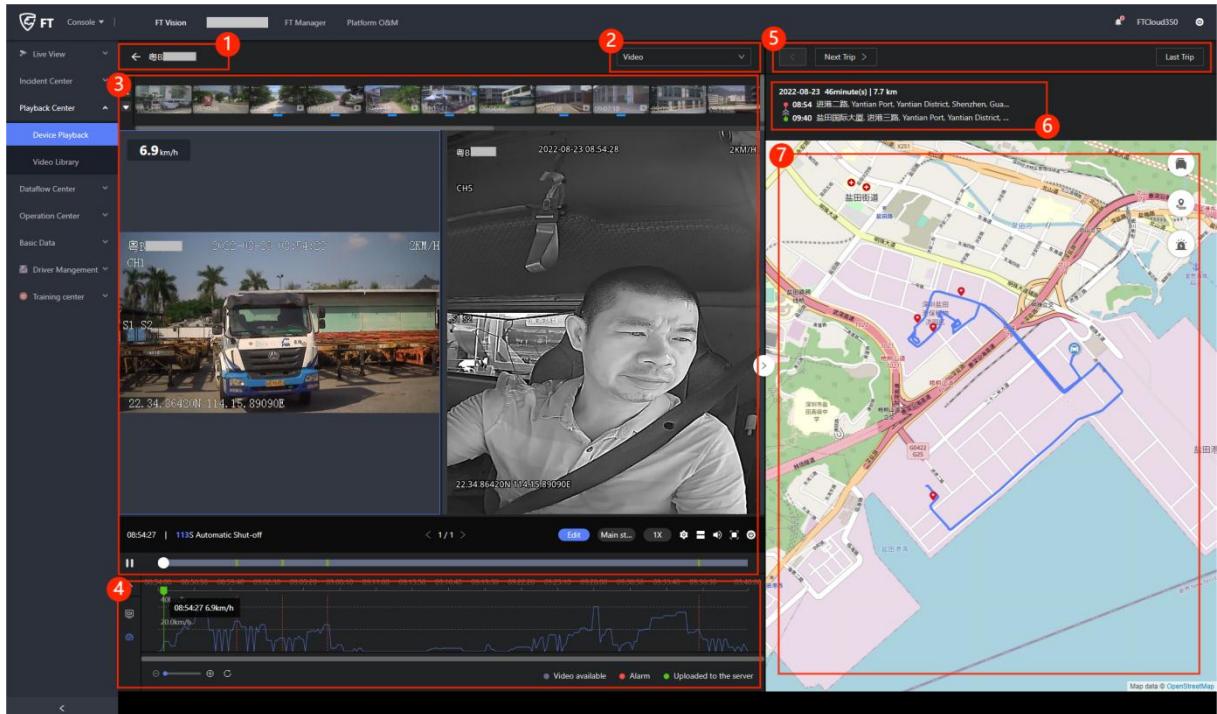
	
<p>Click "Show Trip Video" in the specific trip card on the track playback page to enter the device playback page;</p>	<p>Click "Device Playback" in the menu "Playback Center" to enter the device playback page;</p>

You can view the driving situation inside and outside the vehicle, the track corresponding to the trip and the vehicle location, alarm positioning, time, speed and other data through video playback or picture playback in the device playback page;



② There are two playback modes for device playback, i.e. video playback mode and image playback mode. (See 1.3.3/3)/a) for differences between the two modes)

1) Module composition



The overall video area is shown on the left:

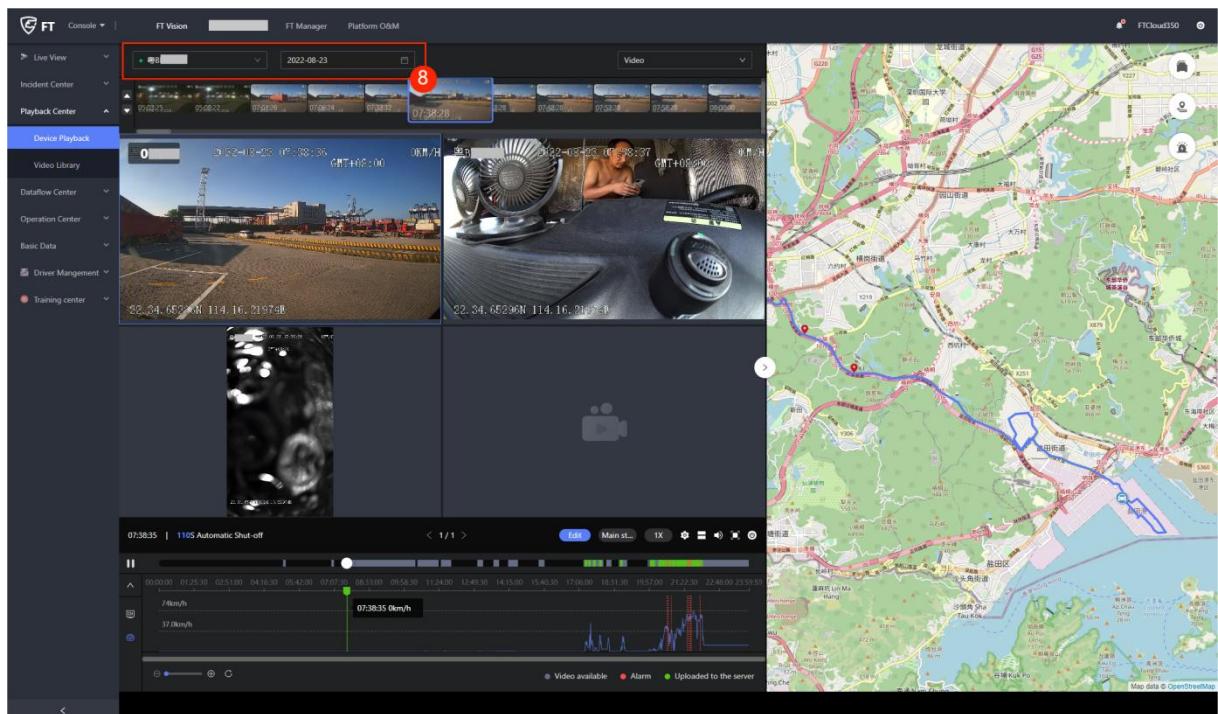
- ① The upper left corner shows the license plate number and the back button. Click the back button to return to the track playback page (only for device playback display entered through track playback);
- ② The upper right corner allows you to select the playback mode, and there are two modes: "Video" and "Image" (only the image playback mode can be displayed when the device is offline);
- ③ Video duration, function buttons and progress bars are displayed below the video area;
- ④ You can select display channels and speed curves, operate zoom in or out and reset the progress bar, and mark the progress bar with different colors for status;

The overall map area is shown on the right:

- ⑤ The selection buttons for previous, next and final trips are shown on the top (only for

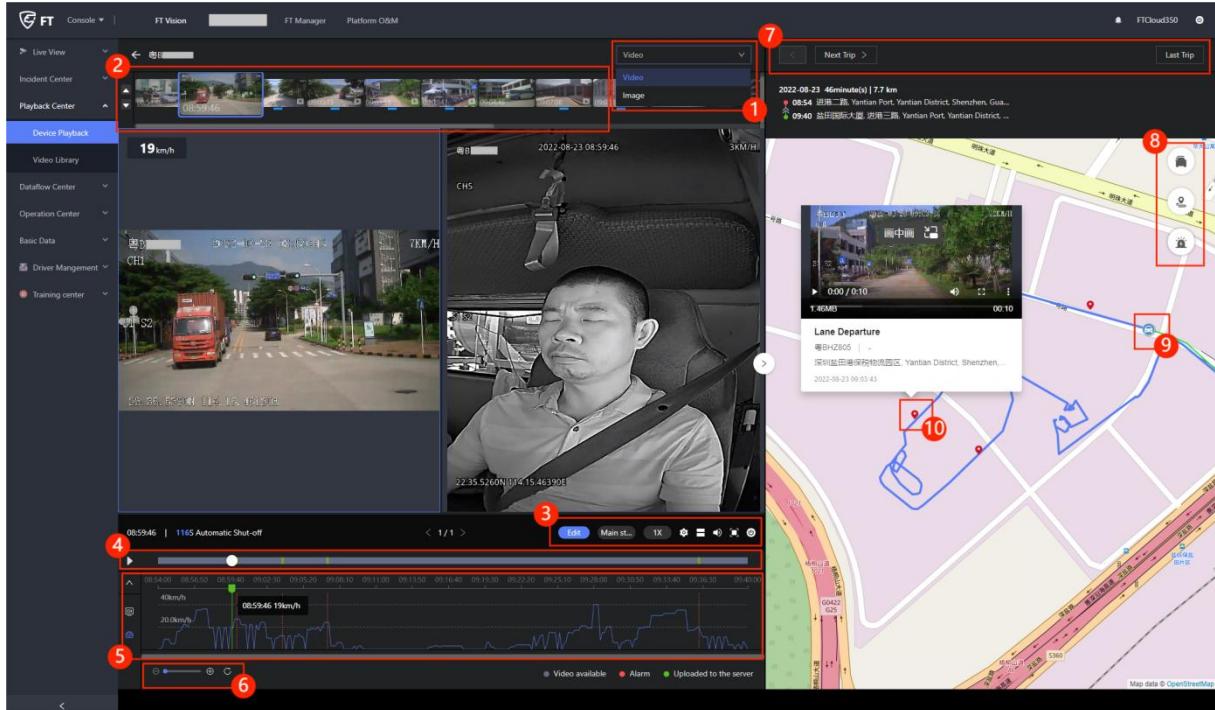
device playback entered through track playback);

- ⑥ The data related to the current trip is displayed on the top of the map, i.e.: date, duration, distance, start time and location, and end time and location (only for device playback entered through track playback);
- ⑦ The map could show the track corresponding to the trip;



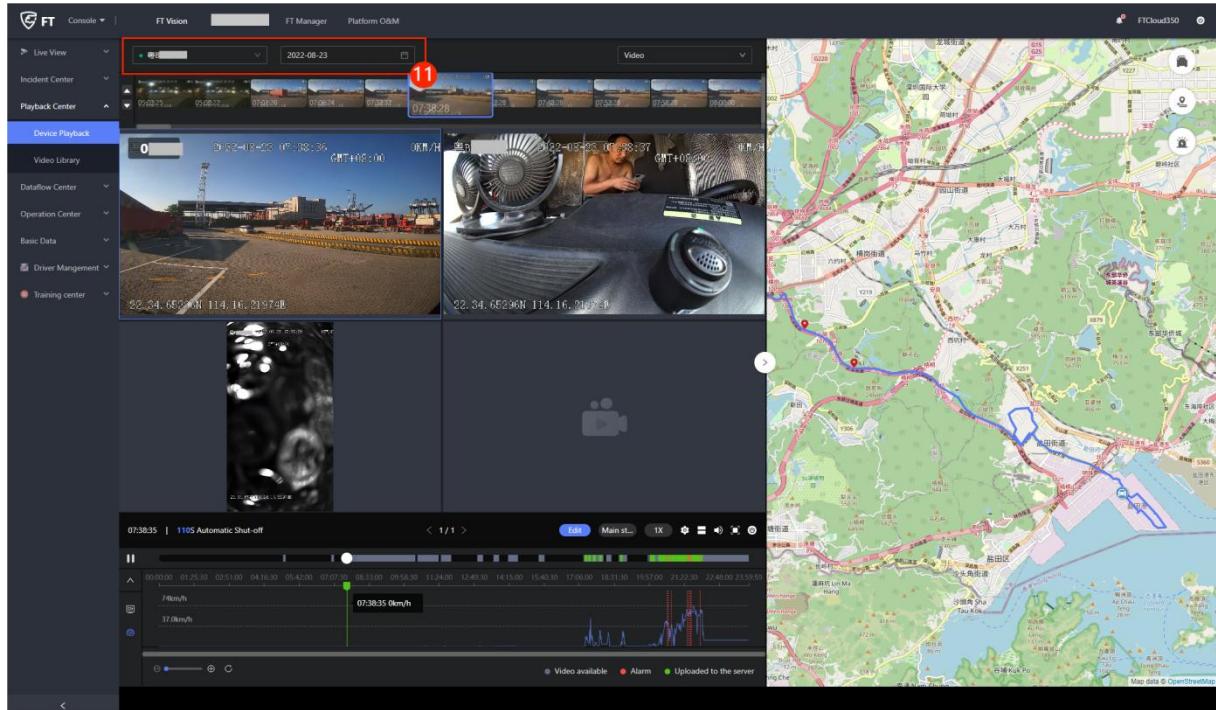
- ⑧ The selection module of the device and date is displayed on the top of the video (only for device playback entered through menu).

2) Function introduction



- ① The playback mode can be selected between "Video" and "Image";
- ② Thumbnail is displayed at the top of the video;
- ③ Function buttons for edit, main and sub-stream selection, multiplier and full screen are shown at the bottom of the video;
- ④ Aggregation status progress bar is displayed;
- ⑤ You can pull down to select display channels or speed curves;
- ⑥ You can zoom in, zoom out and reset the progress bar;
- ⑦ You can click to select the previous, next or the final trip (the data switching corresponds to the list of trips on the track playback page);
- ⑧ Map functions: Putting the mouse cursor over a function could display the function name. The functions from top to bottom are view vehicle, export track and alarm filtering (the alarm filtering function is same as that in the track playback page);
- ⑨ The track routes could show the location of the vehicle (blue car icon);

⑩ The track route could display the filtered alarm points, and you can click on the alarm point to display the alarm information (different from the alarm on the track playback page, a 10s video of the alarm point can be displayed here); and



⑪ The device and date can be displayed by selecting the device option and date option.

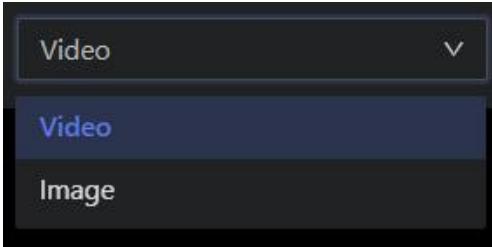
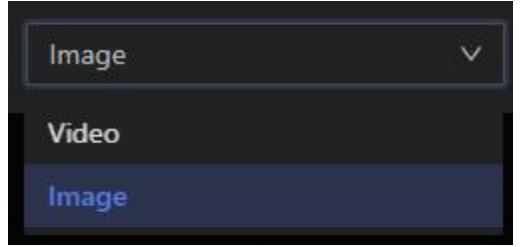
3) Details

a) Comparison of differences

i. Device status

(Red, gray and green represent the device alarm, offline and online status, respectively)

	Video playback mode	Image playback mode
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Online status		
	Select "Video" in the drop-down menu above the video for display	Select "Image" in the drop-down menu above the video for display
	None	
None	None	The device will display in image playback mode by default when it's in offline status

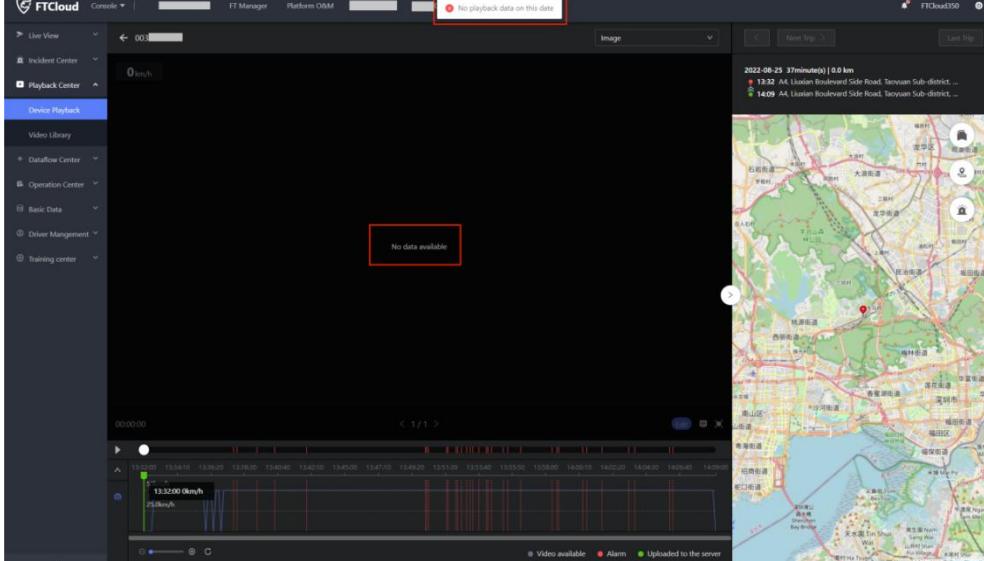
ii. Playback progress bar

	Video playback mode	Image playback mode
Screen shots		
Common points	Time scale is displayed below progress bar	There are zoom in, zoom out and reset buttons below the progress bar. After zooming in, a horizontal scroll bar will appear below the time scale. Drag it to left and right to view the complete time range content. Click the reset button to go back to the initial state
Differences	The progress bar is in an	The progress bar only shows red

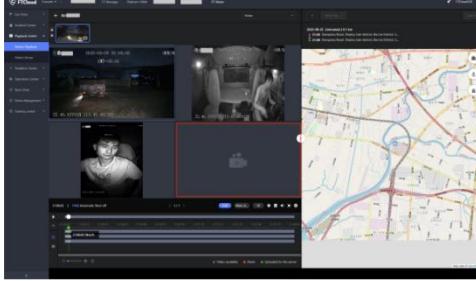
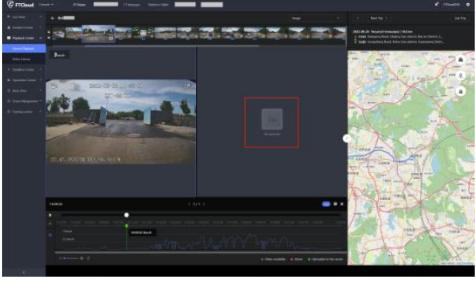
	aggregation status, with white means that there are videos, red means that there are alarms, and green means that the video has been uploaded to the server	alarm points
	There are video duration and automatic shutdown countdown, as well as function buttons for edit, main- and sub-stream selection, multiplier, setting and full screen above the progress bar	The automatic shutdown countdown is not displayed above the progress bar but only video duration. Only the function buttons for edit, channel selection and full screen are maintained
	The pull-down button below the playback button could be used to select display channels and speed curves	Only speed curves could be displayed by clicking the pull-down button

iii. Playback

	Video playback mode	Image playback mode

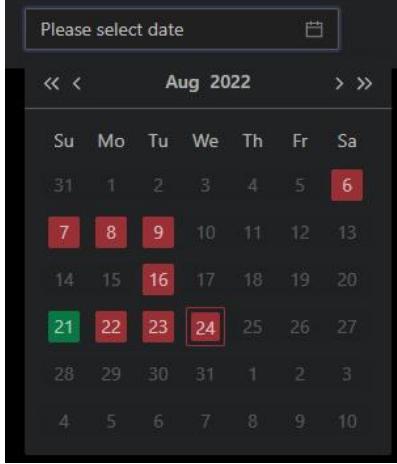
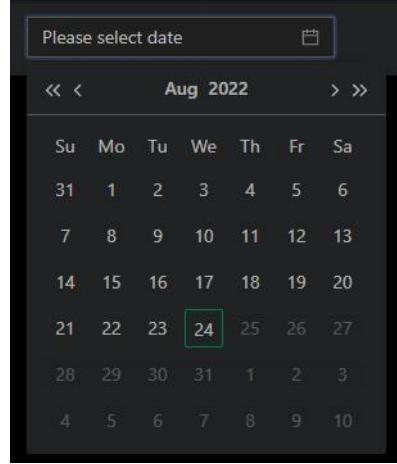
<p>Common points</p>	
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If there is no video data, the image playback mode will be selected by default. If no image has been uploaded, the pop-up will prompt "No playback data on this date", and the page will show "No data available".

<p>Differences</p>		
	<p>Video of each channel will be displayed, no image will be displayed if there is no channel</p>	<p>All images uploaded for each channel will be displayed at an interval of 3s, and "No pictures" will be displayed if there is no image</p>

iv. Device and date selection

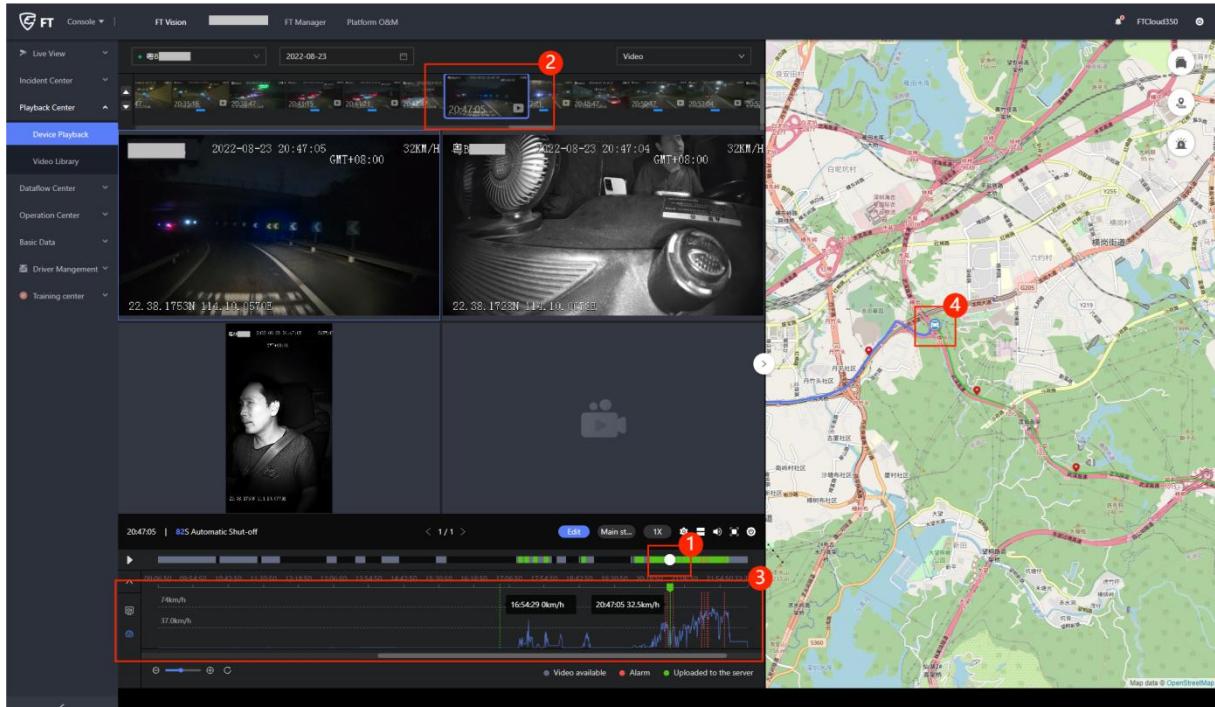
(Device and data could only be selected in the track playback entered through menu for display)

	Video playback mode	Image playback mode
Common points		
	The device selection functions are the same	
Differences		 
	<p>Dates with data records could be selected with red for alarm on the date and green for no alarm on the date</p> <p>Dates can be selected as far back as six months, and each date within six months can be selected</p>	

b) Others

i. Linkage rules

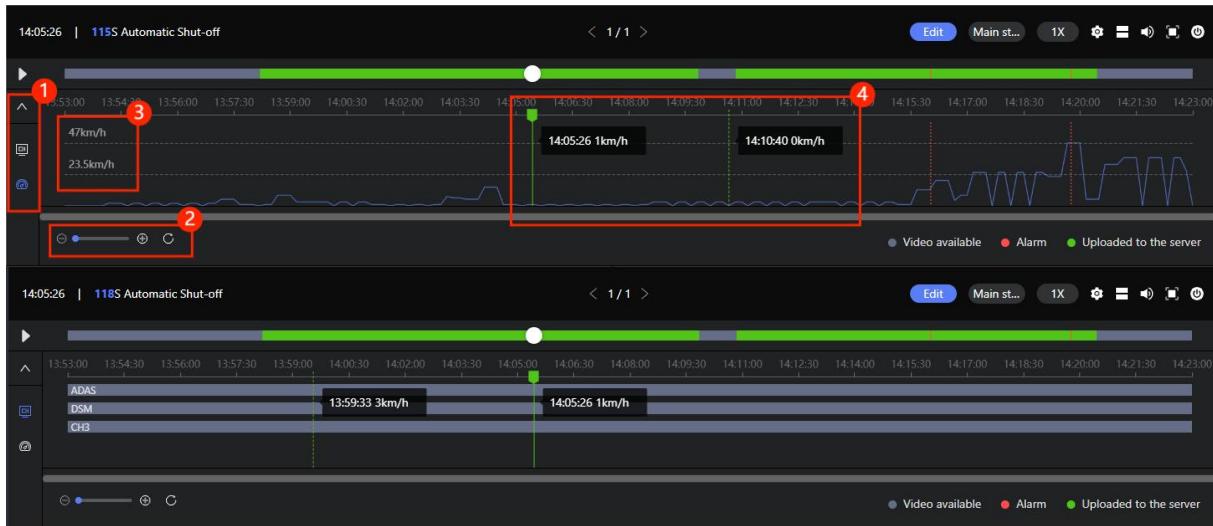
Videos, thumbnails, playback progress bars, channels, speed curves, map tracks can be linked according to time;



At the same time:

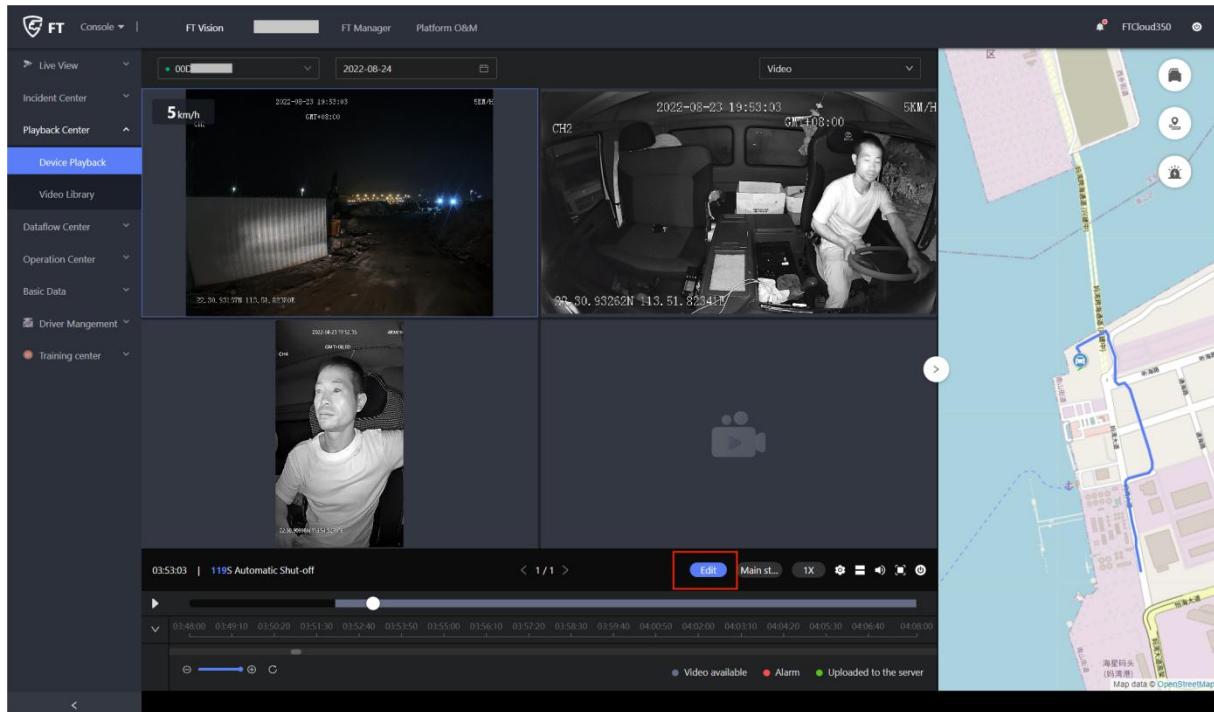
- ① The video screen could be displayed in correspondence with the progress bar;
- ② Thumbnails shall have highlights;
- ③ Channel and speed curves: mouse cursor hovering could show the baseline. Click to show the positioning baseline. It can be linked with video, thumbnail, progress bar and track route for display.
- ④ The track route can be linked to show the vehicle running position (blue car icon).

ii. Channel and speed curves



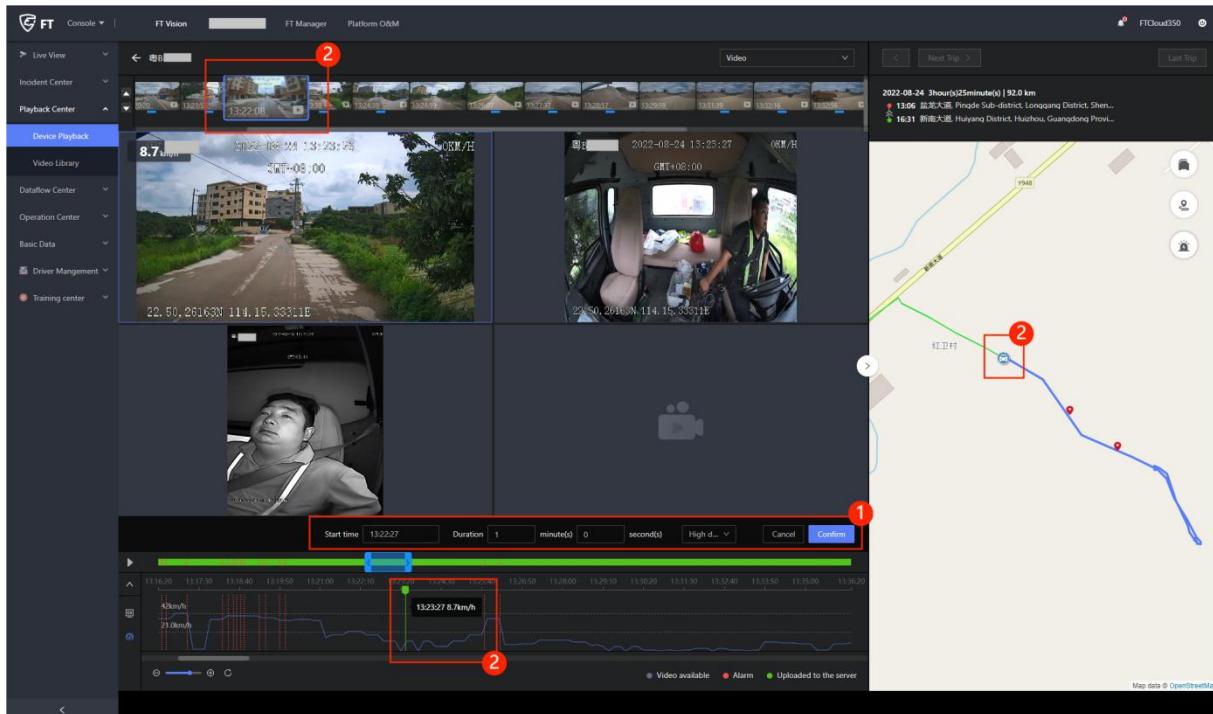
- ① Click on the drop-down option and select the icon button corresponding to the selected channel or speed curve for display (when the device is offline, only the speed curve can be displayed);
- ② Click the zoom in, zoom out and reset icons below. The channel, speed curve and progress bar will be zoomed in, zoomed out and reset together as a whole;
- ③ The horizontal axis of the speed curve shows the speed values (maximum and intermediate speed values);
- ④ Putting mouse cursor over channel and speed curves could display alignment line as well as time and speed values, and the baseline and corresponding values could also be displayed during playback.

c) Edit



You can click "Edit" on the device playback page for video editing to improve the collection of evidence, and both video playback mode and image playback mode support the edit function. The editing status could show the picture at the end of the editing, and "No pictures" will be displayed if there is no picture.

i. Operation area

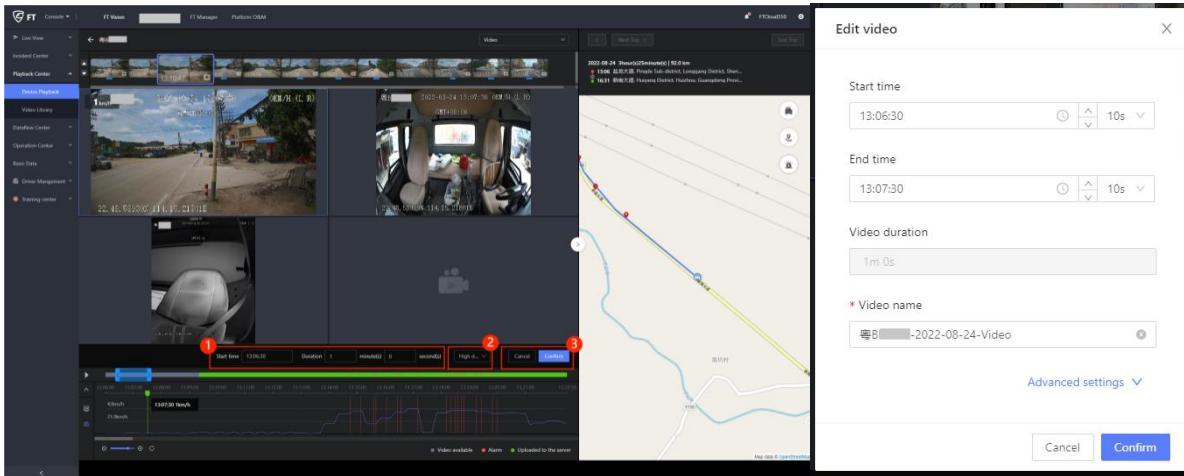


- ① The start time, editing length, sharpness options, cancel and OK buttons are displayed above the edit status progress bar;
- ② The edit status linkage rule remains normal, and the rest of the buttons are disabled.

ii. Interaction rules

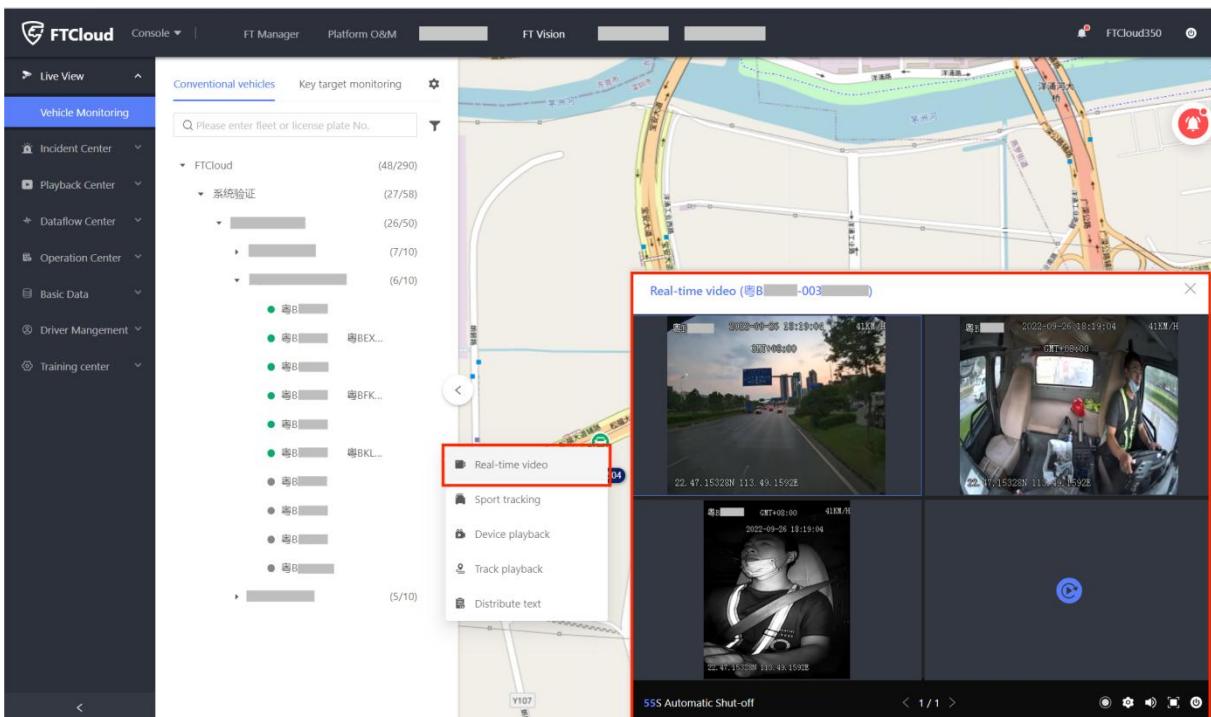
- ① The default length of the edit bar is 1 minute, which can be adjusted by dragging the start and end positions to left and right;
- ② Clicking on any position of the progress bar can move the edit start position to the clicked position and the edit length will be reset to one minute;
- ③ The edit status progress bar can also be zoomed in, zoomed out and reset.

iii. Operation buttons



- ① The start time and edit length can be modified manually;
- ② Sharpness could be selected;
- ③ Click "Confirm" to show the pop-up window for saving the edit, and click "Cancel" to return to the former playback status.

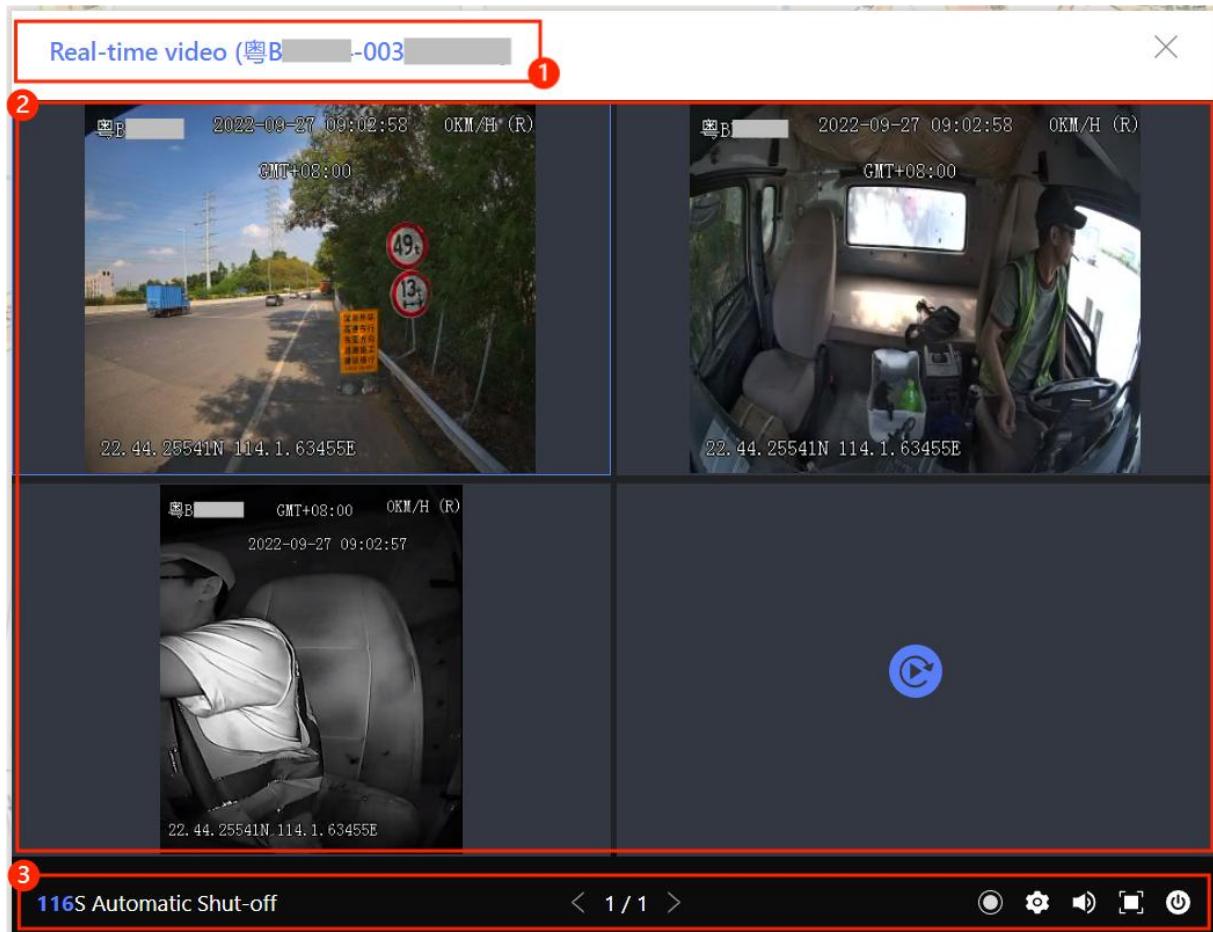
1.3.4 Real-time video



You can select the specific vehicle operation "Real-time video" on the "Vehicle

"Monitoring" page and monitor the vehicle in real time through the pop-up window in the lower right corner.

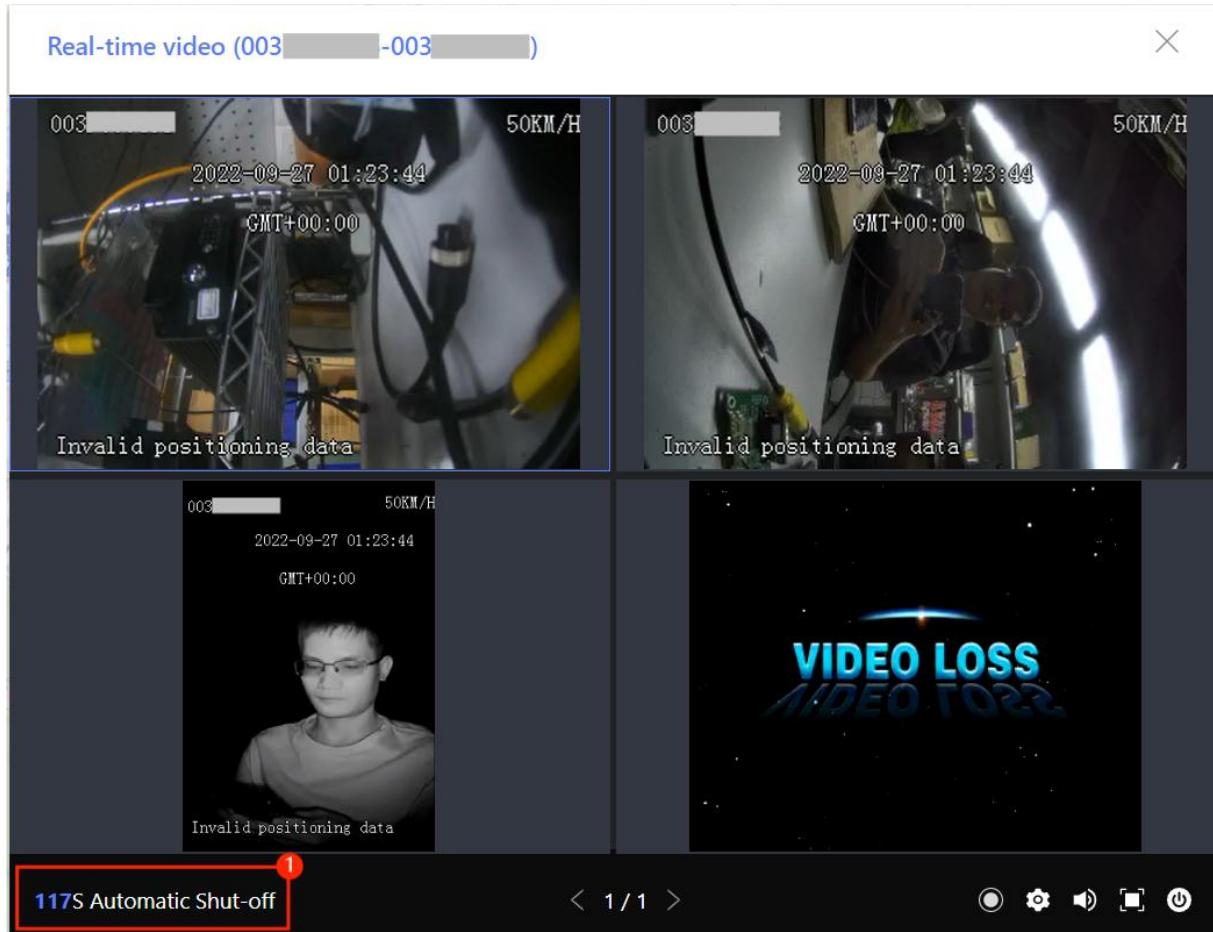
1) Module composition



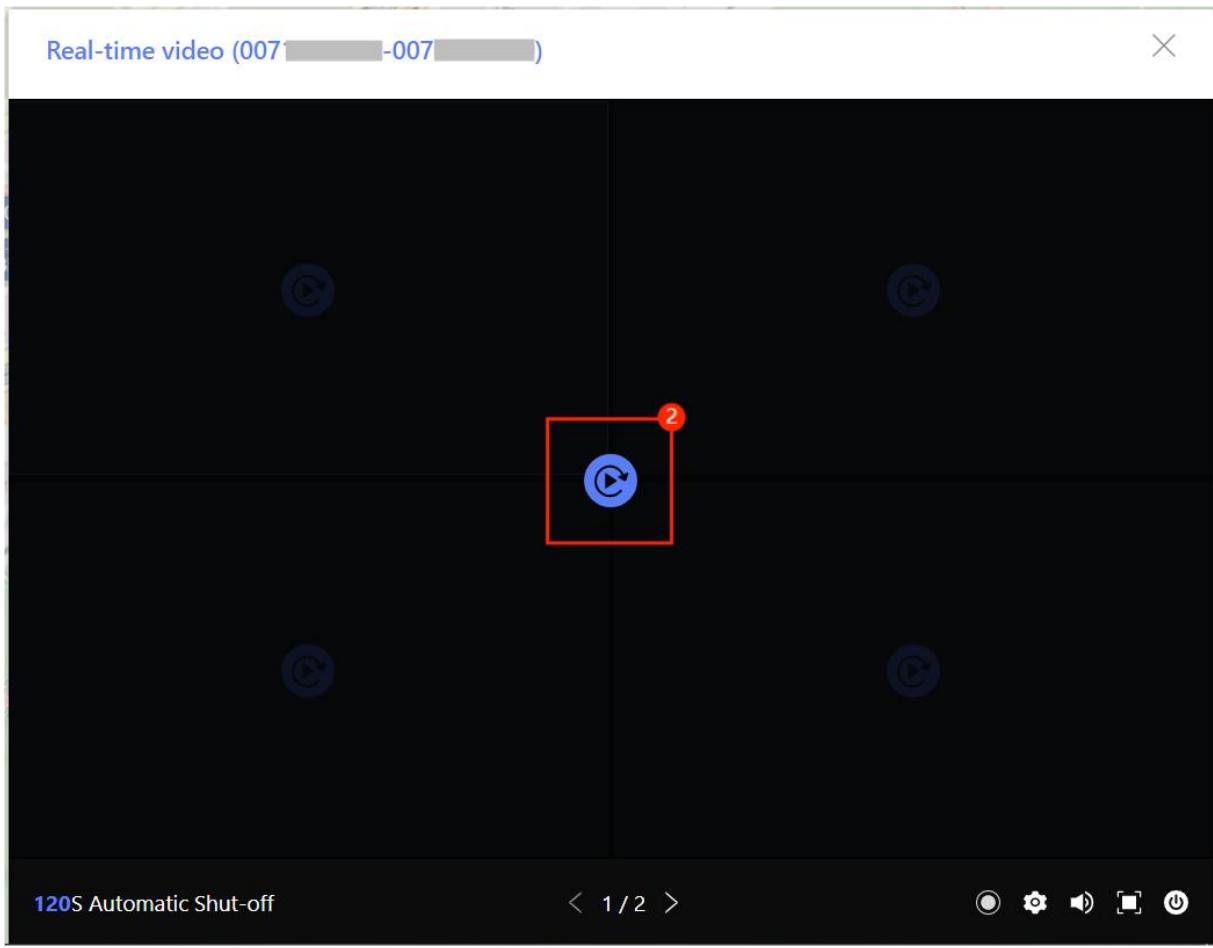
- ① The upper right corner of the live video pop-up window displays vehicle information - device information;
- ② Video channels are displayed in the center of the screen and up to 4 channels could be displayed on a single page;
- ③ The bottom of the screen shows the length of the video, as well as the page navigation, recording, settings, volume, full screen and close function buttons.

2) Details

a) Video length

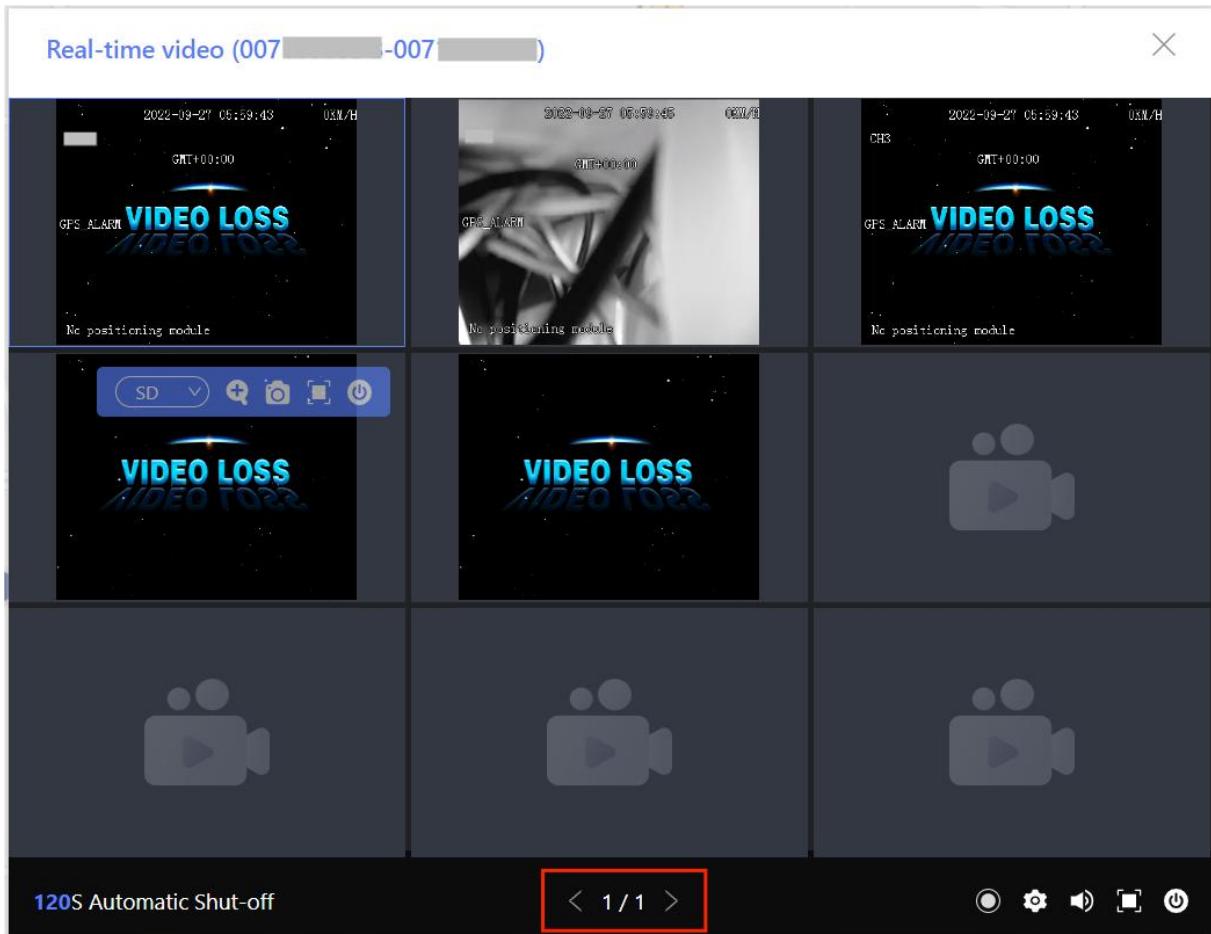


- ① The default viewing length of live video is 120s, which can be set in FT Manager according to your needs. If there is any action on the live video interface during the countdown period, the countdown in the lower left corner will be automatically refreshed to 120s and restarted;



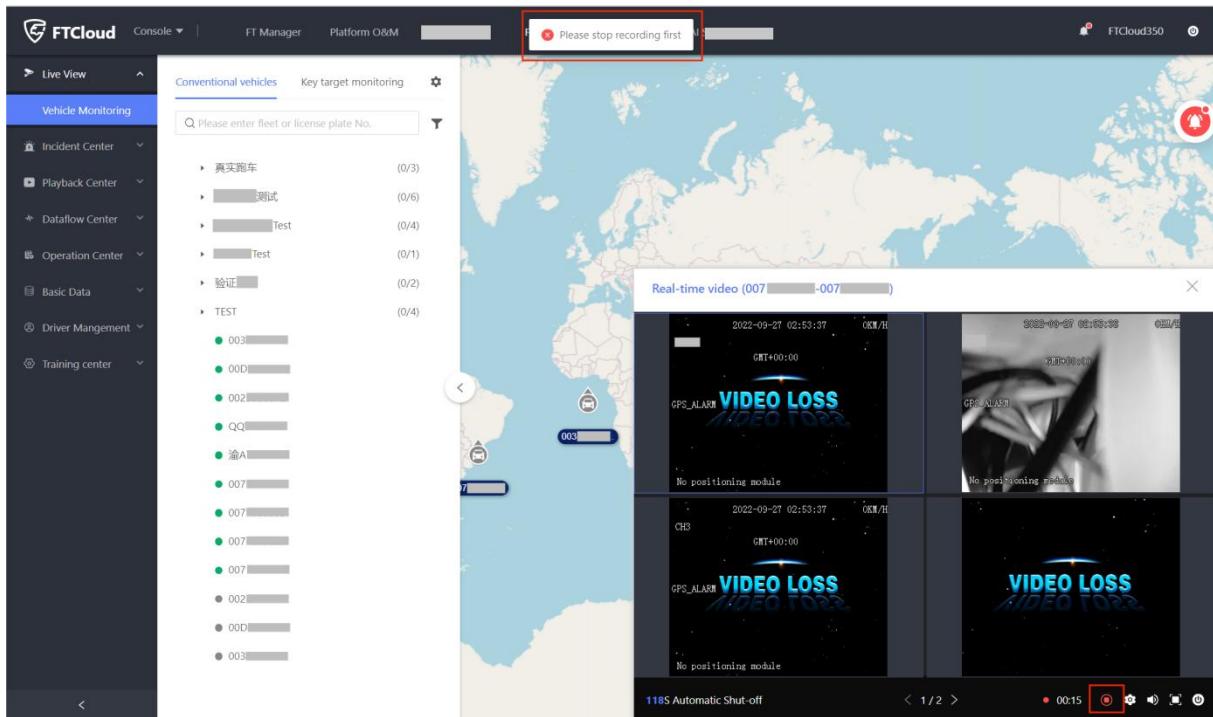
- ② When the countdown reaches 0s, the channel will be closed automatically, you can click the blue refresh icon in the middle of the screen to re-open the live video.

b) Video channels



The default number of channels on a single page of the live video is 4. In addition, you can also choose to display as 1 or 9 channels, and up to 9 channels could be supported. If the actual number of vehicle channels exceeds the number of the channels displayed, you can click the page navigation button below to turn the page and monitor multiple channels. (The number of channels displayed is limited by the actual number of channels, that is, if the number of channels ≤ 4 , it can not be displayed as 9 channels, similarly, if there is only 1 channel, it can not be displayed as 4 or 9 channels)

c) Video recording

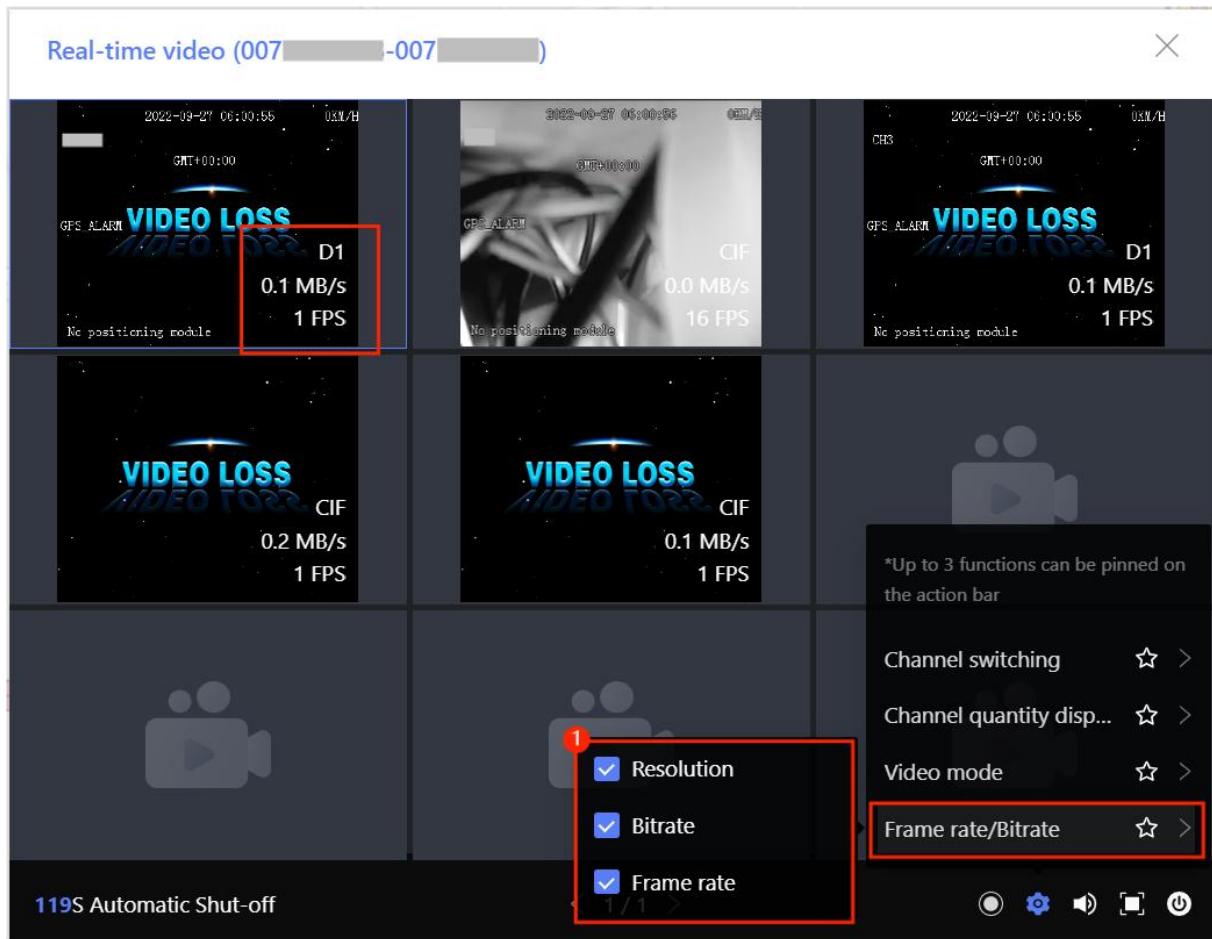
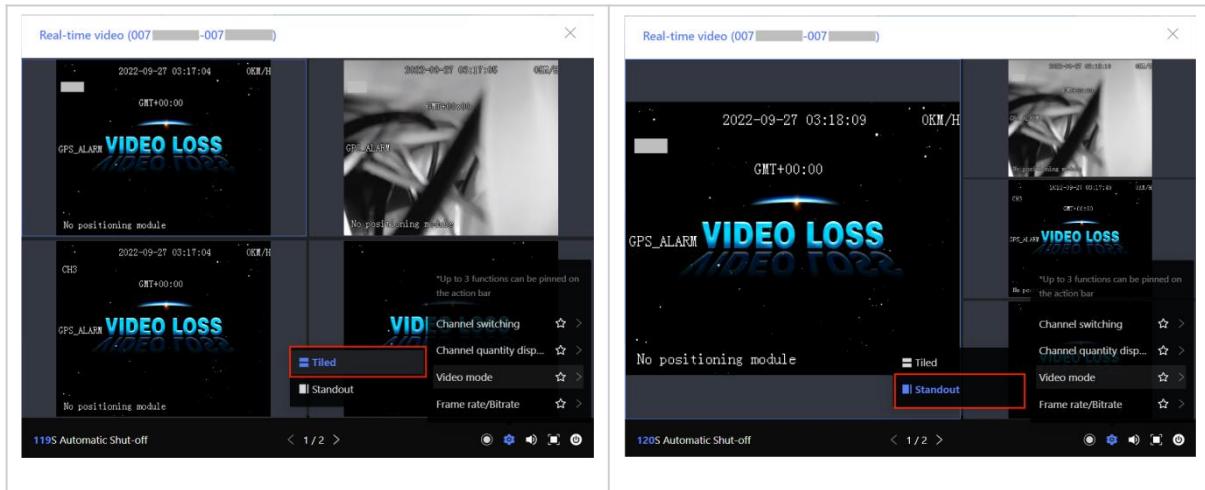


You can click the recording button in the lower right corner to record the current video and store it in the video library on the platform while the live video is playing. During the video recording process, you can't close the live video window, if you click close, the prompt "Please stop recording first" will appear.

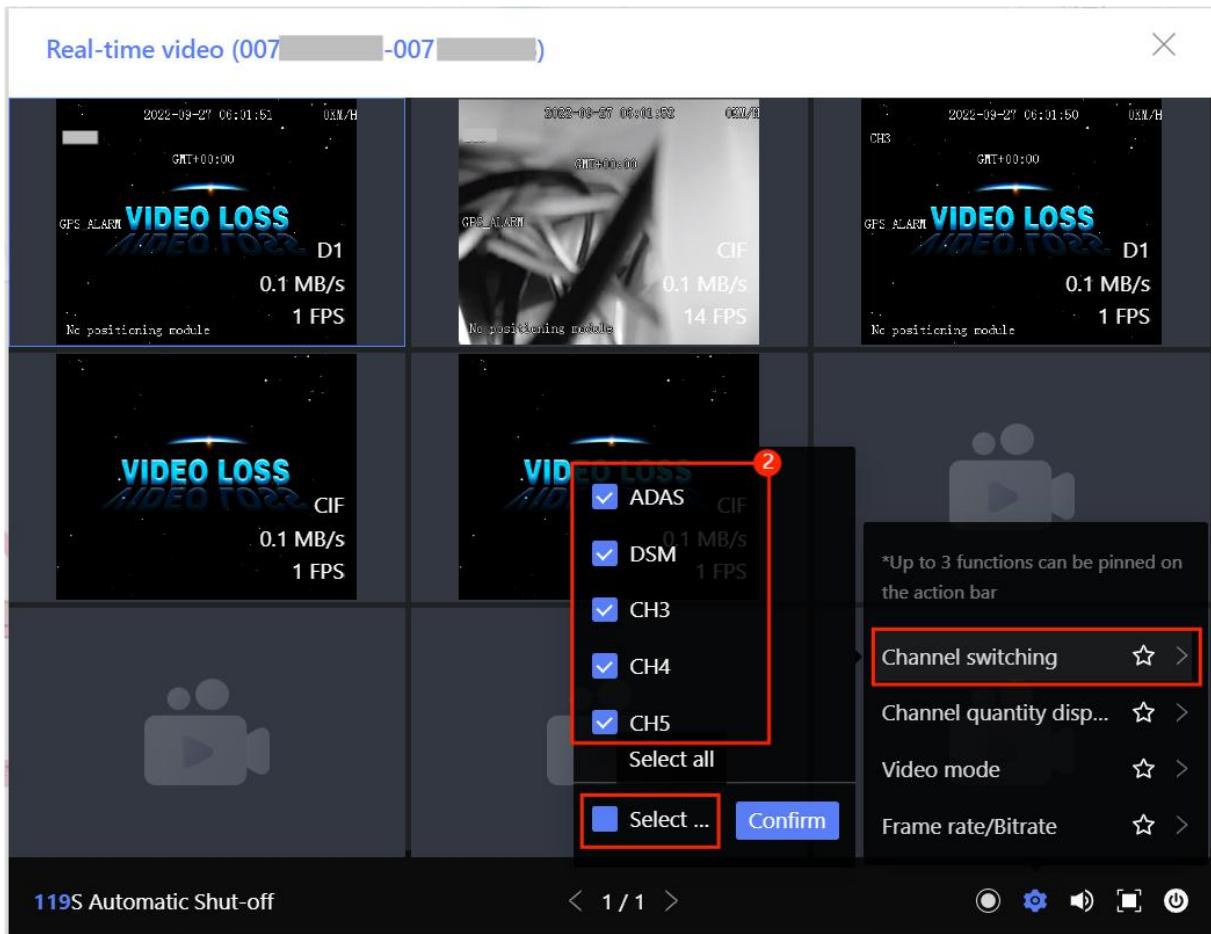
d) Video OSD setting

You can select the data that you need to pay attention to while watching the video according to the actual usage requirements.

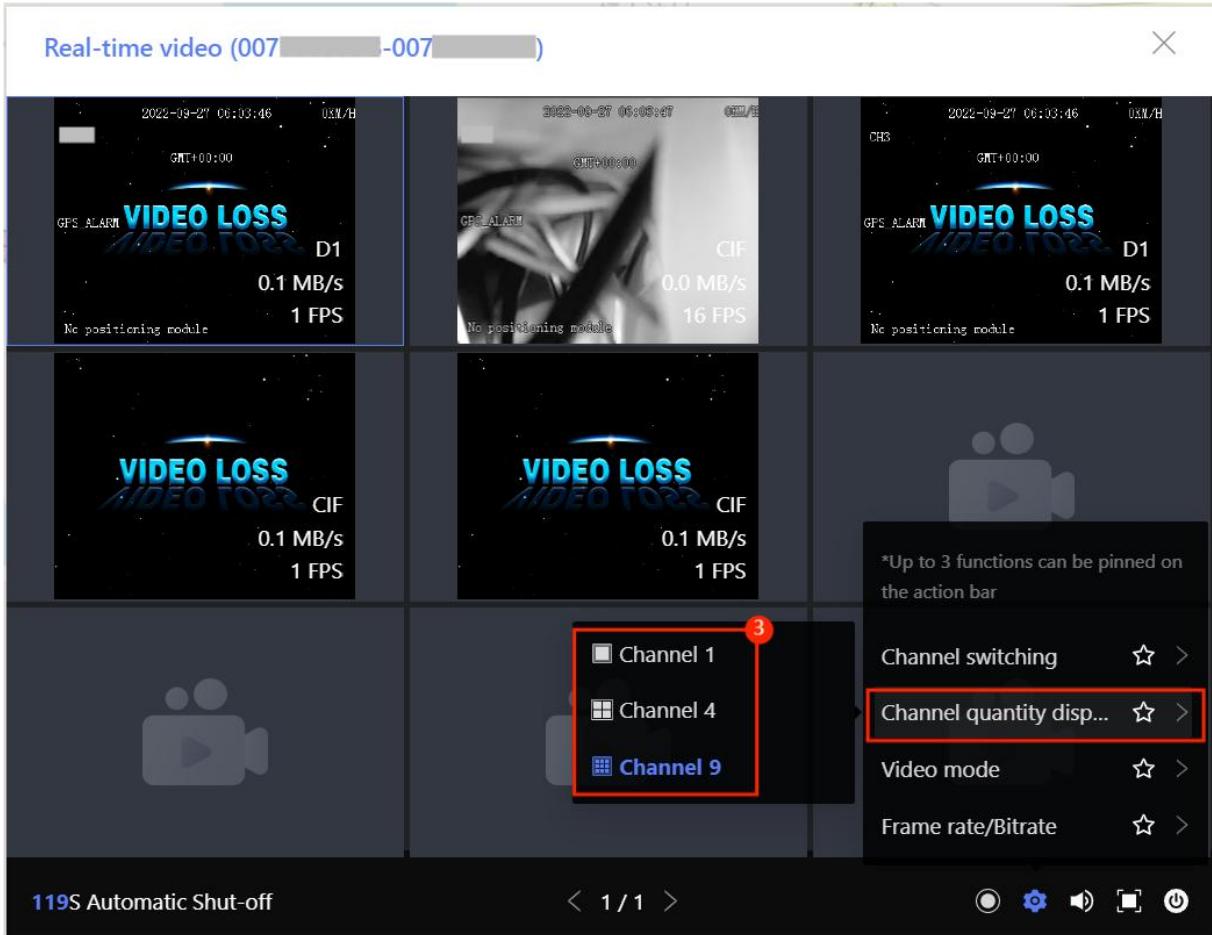
Tiled	Standout
-------	----------



① You can choose Resolution, Bitrate or Frame rate for display;

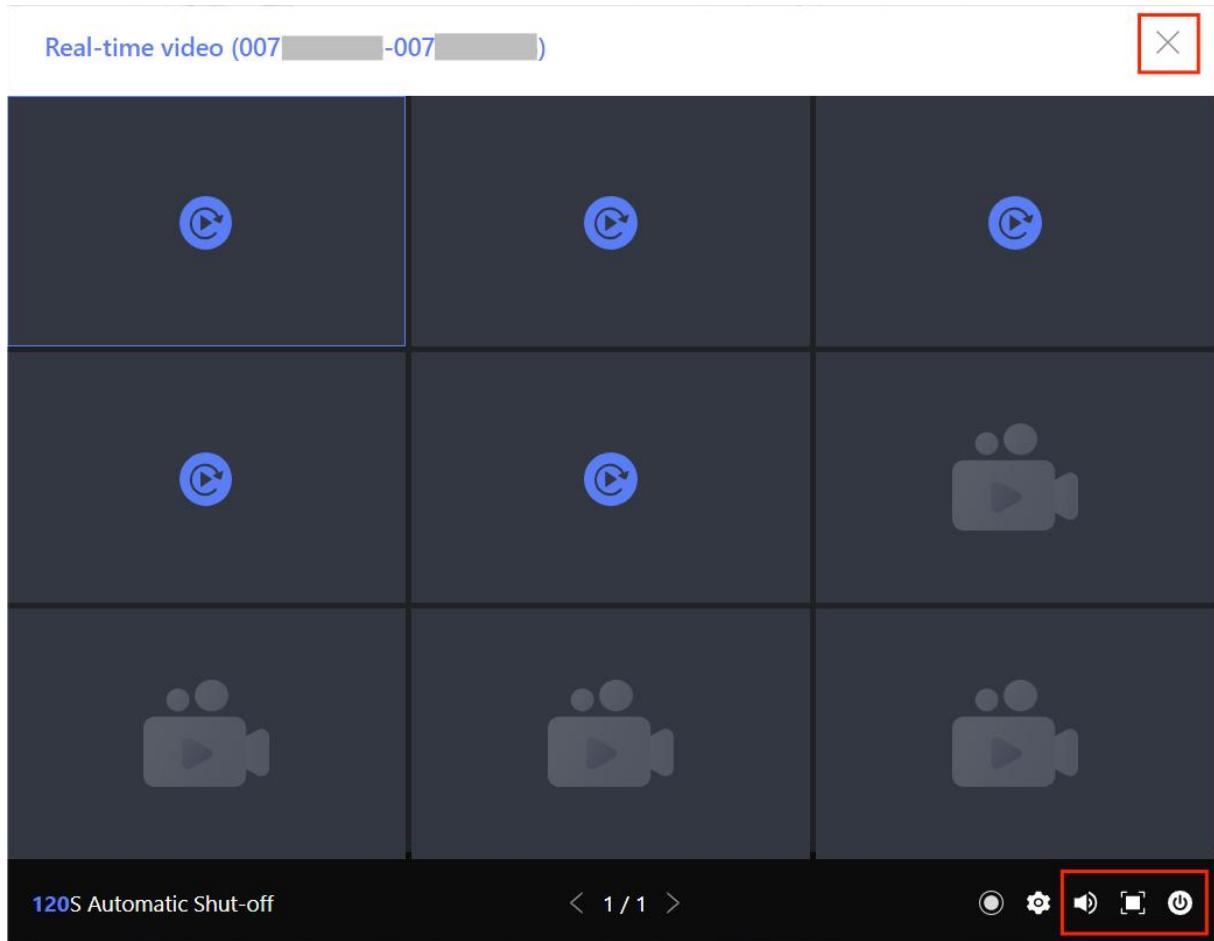


- ② According to the actual business scenario, you can click "Channel switching" and check the channel you need to watch mainly. If you need to show all videos, you can click "Select all" to select them all.



③ According to the actual scenario, you can click "Channel quantity display" to select the number of channels to display 1 channel, 4 channels and 9 channels.

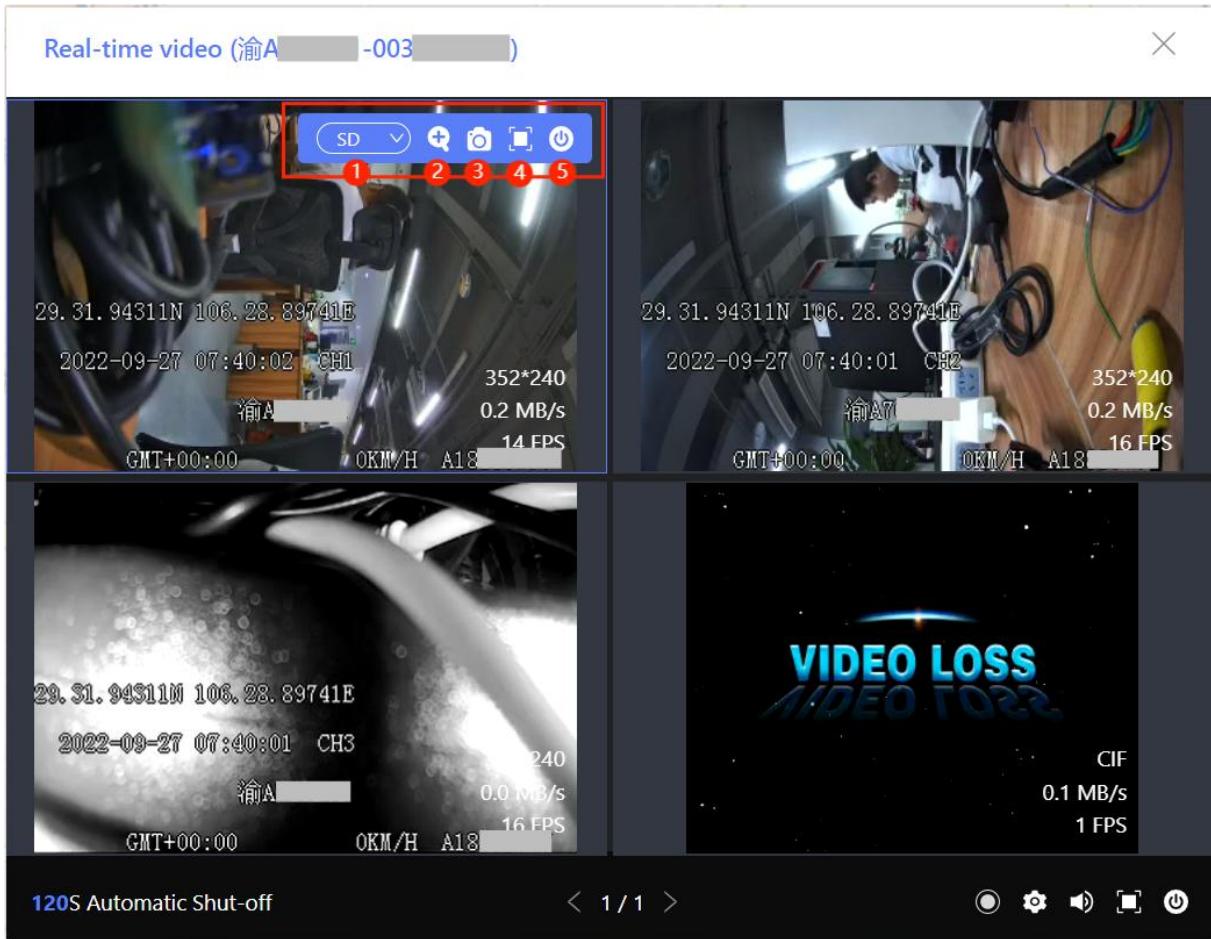
e) Others



You can click the volume button to adjust the volume of playback, and you can also click the full screen button to display the live video in full screen. Click the power button in the lower right corner to turn off the video playback, and click the close button in the upper right corner to close the live video window.

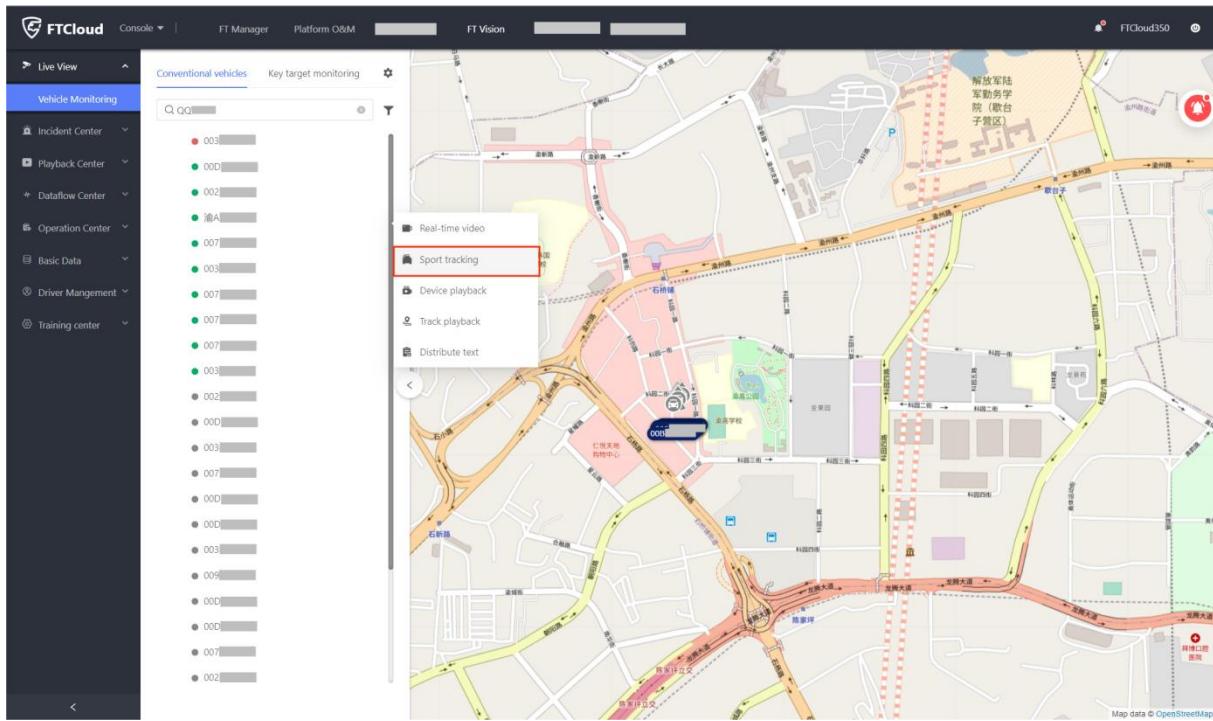
f) Live accessory functions

A variety of functions are available to assist the user when viewing the vehicle live video.



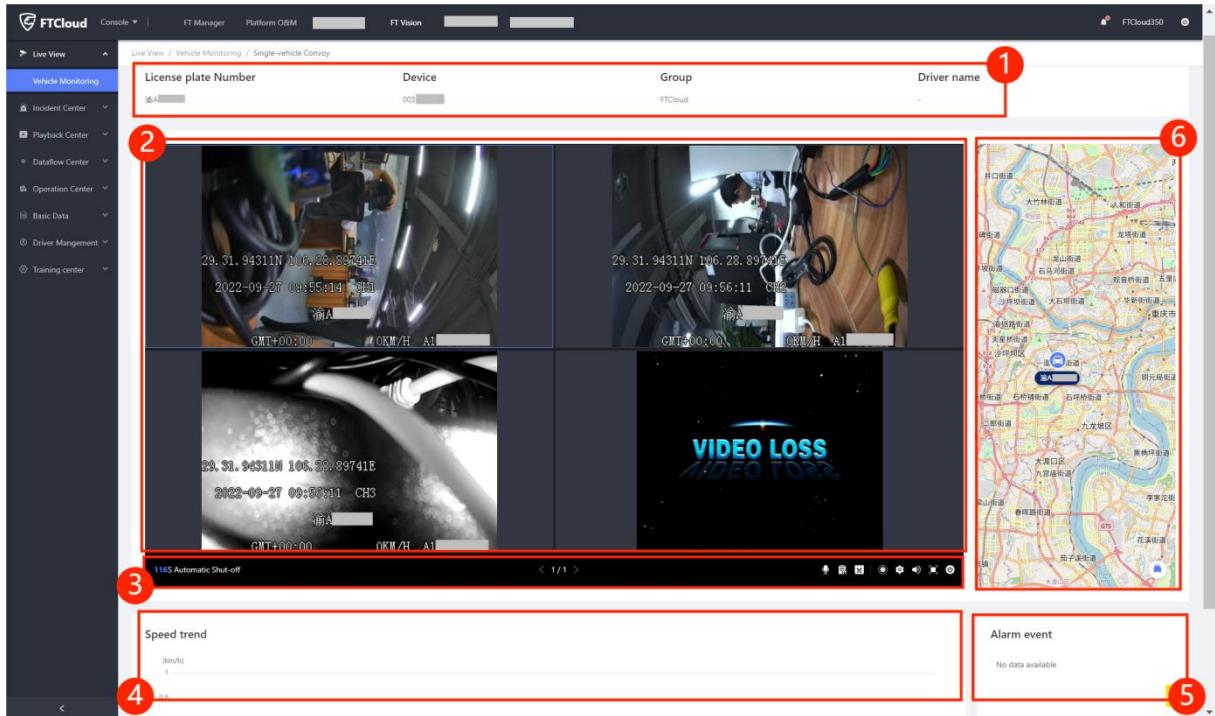
- ① You can select the video quality with SD for standard definition and HD for high definition;
- ② When watching live video, if the screen is too small, you can click the zoom button, then select the zoom area by mouse to zoom in, and click the button again to cancel the zoom;
- ③ Click the camera button to capture the current screen image;
- ④ Click the full screen button to display the channel in full screen;
- ⑤ The channel can be turned off by clicking the power button.

1.3.5 Single vehicle escort



When you notice a driver or vehicle with dangerous driving behavior, you can click on "Sport tracking" to monitor and intervene with the driver in a timely manner through single vehicle escort.

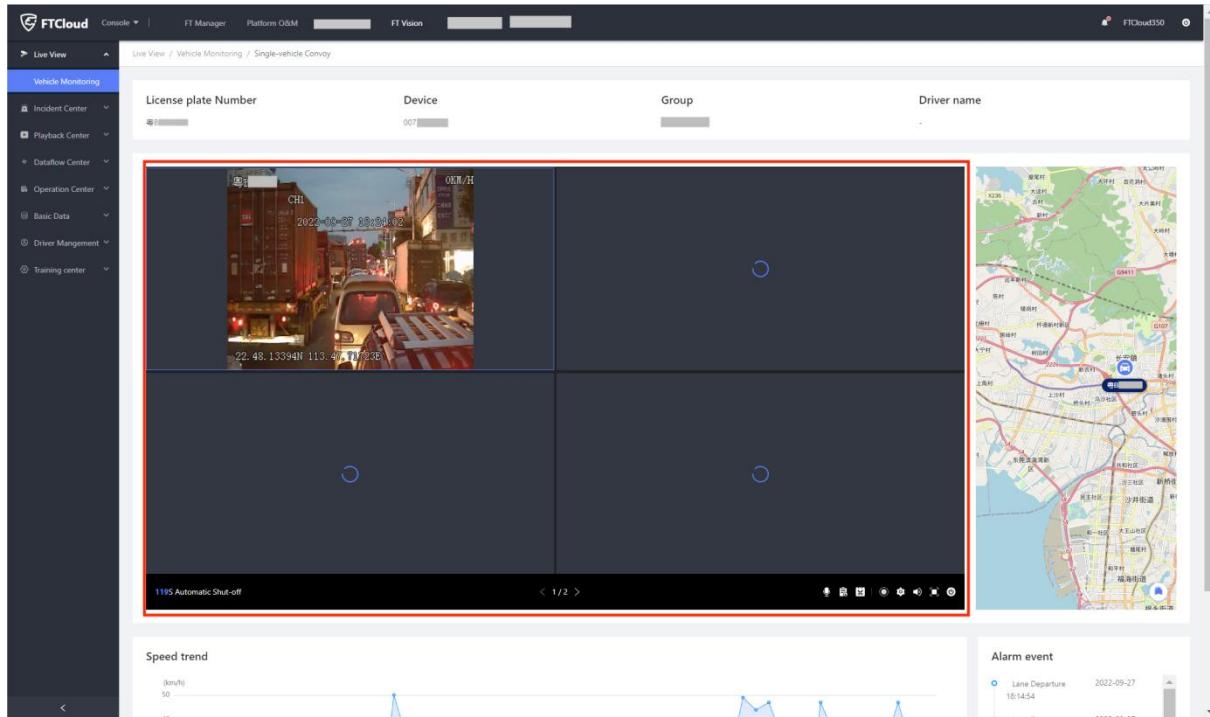
1) Module composition



- ① The vehicle, device, fleet and driver name could be displayed at the top of the page;
- ② The live video is displayed in the middle of the screen;
- ③ Video length and function buttons are below the live video;
- ④ Speed curves are displayed at the bottom of the page;
- ⑤ The lower right corner of the page displays the alarm event log;
- ⑥ The right side of the page shows the map and the location of the vehicle.

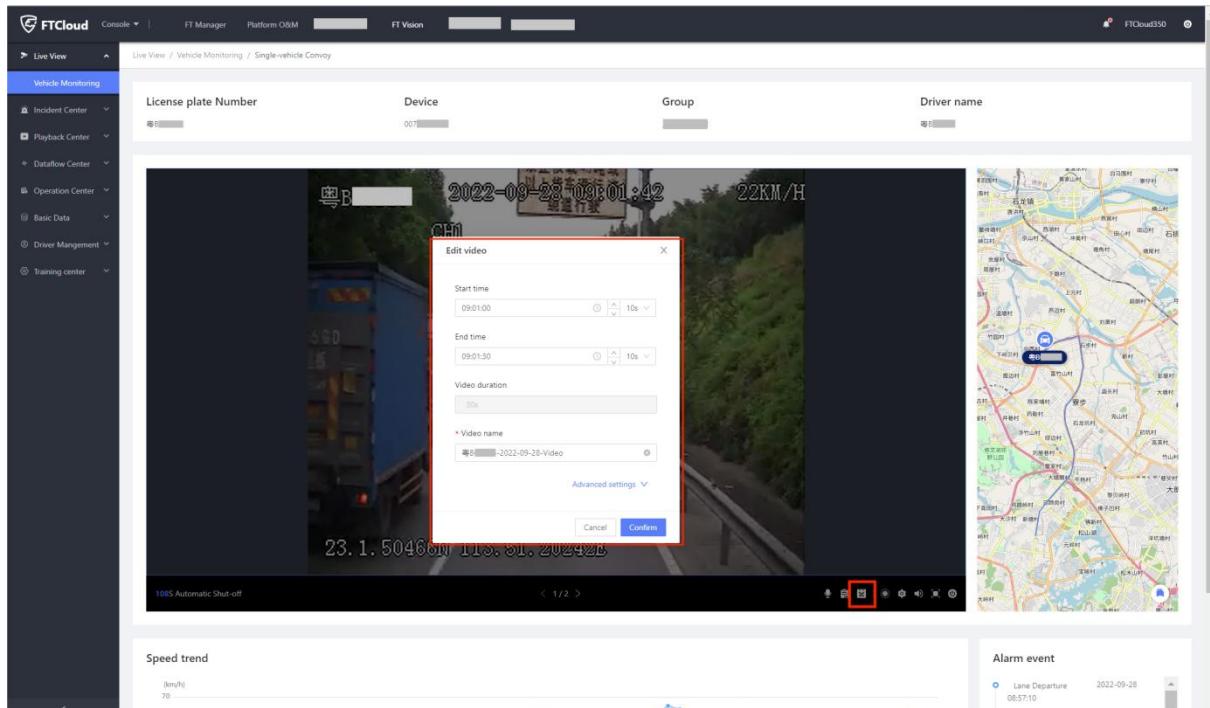
2) Details

a) Live video



This section is basically the same as 1.3.4, so you can refer to the content of 1.3.4.

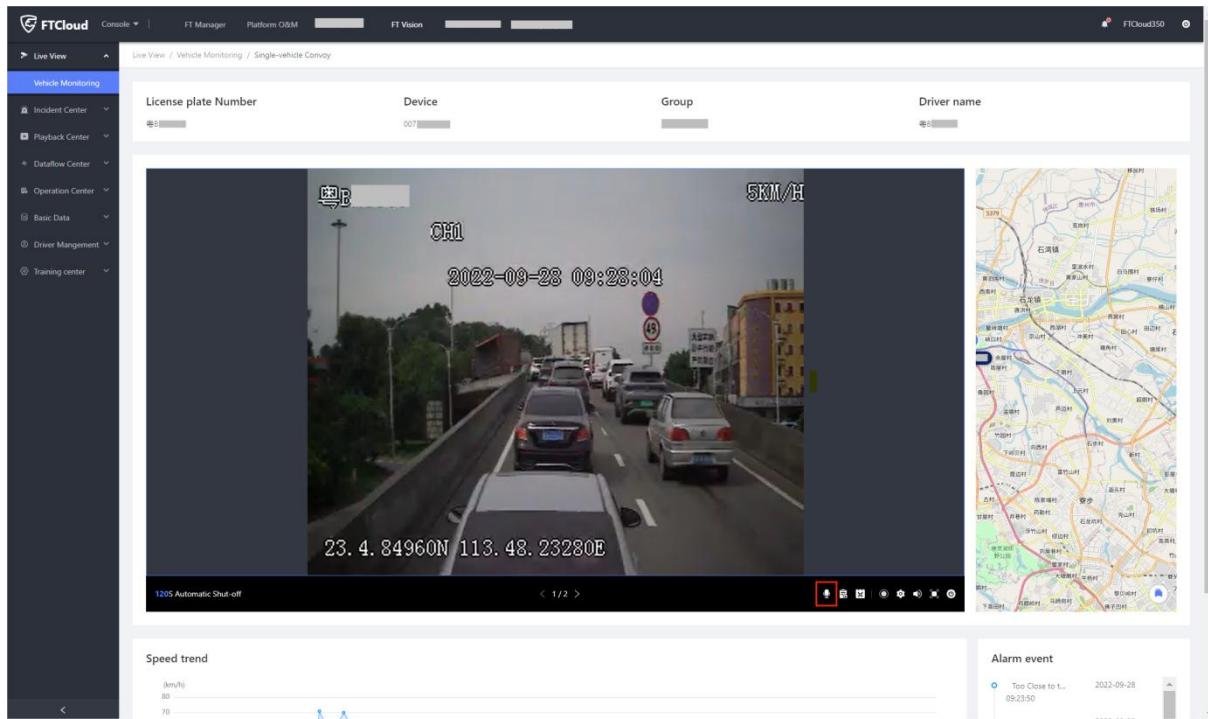
b) Video edit



When watching a live video, you can click the edit button to manually edit the video as

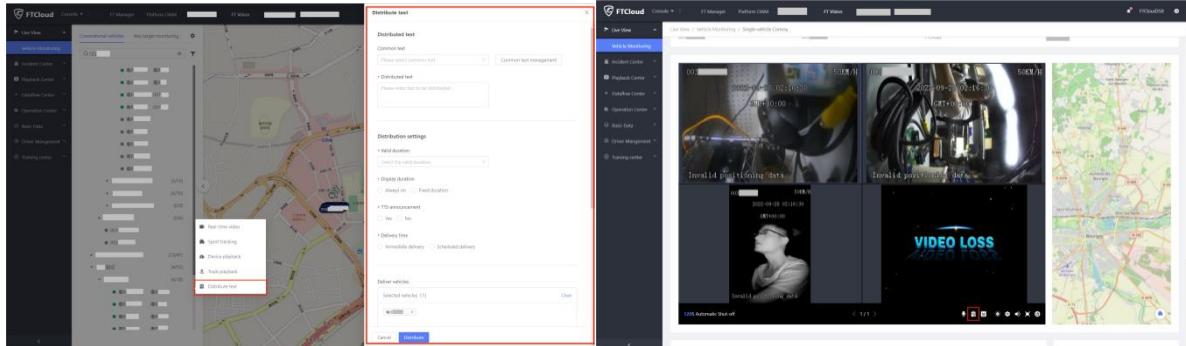
an instructional video or warning video. After clicking the edit button, the video will be automatically positioned at the time of the last alarm, you can select and adjust the start time and end time of the edit, and you can rename the video to quickly locate the video after the editing.

c) Two-way intercom



You can click on the microphone button to enable two-way communication between the PC and the device, so that you can intervene by voice if you detect dangerous driving behavior in progress.

1.3.6 Distribute text



In addition to intervention through two-way intercom, you can also select a specific vehicle and click "Distribute text", or open the text page by clicking the text send button on the Single Vehicle Escort live video page, and prompt the driver by distributing text or voice message.

1) Module composition

The screenshot shows a user interface for distributing text messages. It consists of three main sections, each outlined with a red border and numbered 1, 2, and 3.

- Section 1 (Top): Distribute text**
 - Distributed text**
 - Common text**: A dropdown menu labeled "Please select common text" and a button "Common text management".
 - * Distributed text**: A text input field labeled "Please enter text to be distributed".
- Section 2 (Middle): Distribution settings**
 - * Valid duration**: A dropdown menu labeled "Select the valid duration".
 - * Display duration**: Radio buttons for "Always on" and "Fixed duration".
 - * TTS announcement**: Radio buttons for "Yes" and "No".
 - * Delivery time**: Radio buttons for "Immediate delivery" and "Scheduled delivery".
- Section 3 (Bottom): Deliver vehicles**
 - Selected vehicles (1)**: A list containing "000 [redacted] X".
 - License plate Number**: A search bar with placeholder "Please enter the license plate num...", a "Reset" button, a "Search" button, and an "Expand" button.
 - Vehicle List**: A table with columns "License plate Number", "Device", and "Group".

License plate Number	Device	Group
003 [redacted]	003 [redacted]	FTCloud
008 [redacted]	008 [redacted]	[redacted]
007 [redacted]	007 [redacted]	FTCloud
007 [redacted]	007 [redacted]	FTCloud
007 [redacted]	007 [redacted]	FTCloud
000 [redacted]	000 [redacted]	FTCloud
003 [redacted]	003 [redacted]	FTCloud
007 [redacted]	007 [redacted]	FTCloud
 - Buttons**: "Cancel" and "Distribute" buttons at the bottom.

- ① **Distribute text:** To distribute text messages;
- ② **Distribution settings:** To set the distribution;
- ③ **Deliver vehicles:** To select and add vehicle (the text distribution entered through the Single Vehicle Escort page will not display this module);

④ You can click "Distribute" to distribute text messages, or click "Cancel" or the screen outside the pop-up window to cancel the text distribution.

2) Details

a) Distributed text

Distributed text

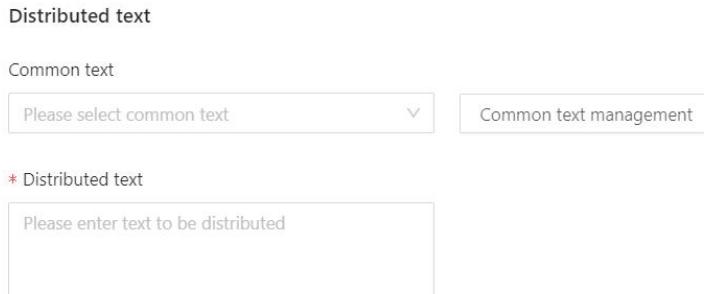
Common text

Please select common text ▾

Common text management

* Distributed text

Please enter text to be distributed



You can select the default text set in "Common text" to rapidly distribute text messages, or you can enter the text directly in the "Distributed text". If you want to add default text for quick selection and distribution later, you can click "Common text management" to add and edit default text.

b) Distribution settings

Distribution settings

* Valid duration

Select the valid duration ▾

* Display duration

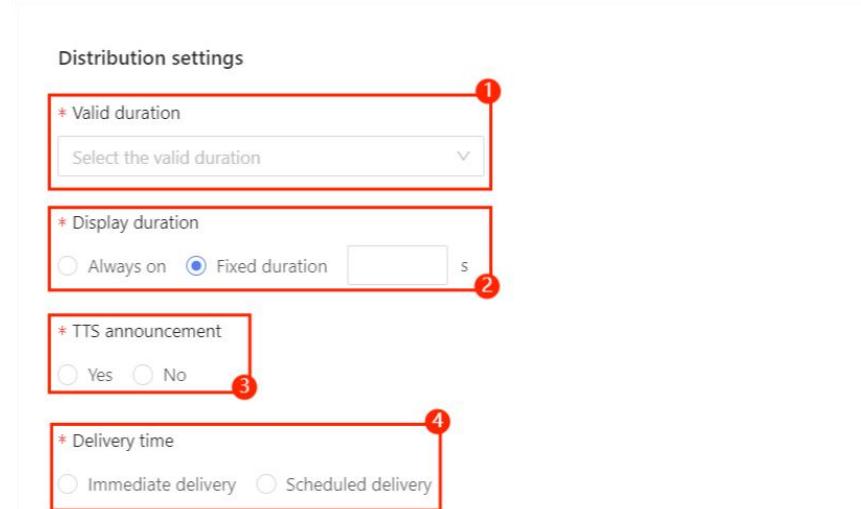
Always on Fixed duration s

* TTS announcement

Yes No

* Delivery time

Immediate delivery Scheduled delivery



① Valid duration: To indicate the effective time of the task, and there are three options at this stage: five minutes, one hour and one day. When a text distribution is made, the

online device will immediately distribute the text and TTS voice, and for devices that are not online, the distribution task will be reserved according to the duration selected above; (e.g., if the duration is selected as one day, the device will receive the text message if it is online within one day, and if it is online after one day, the device will not receive the text message)

- ② Display duration: you can choose to display the text sent always on the screen (Always on) or customize the display duration (Fixed duration); (this function will be used only when the device is connected to an external screen)
- ③ TTS announcement: you can choose whether you need to voice broadcast the distributed text on the device;
- ④ Delivery time: You can choose the text distribution time according to the actual demand, i.e. you can choose immediate delivery and scheduled delivery.

c) Vehicle selection

The screenshot shows a user interface for selecting vehicles. At the top, there is a section titled "Deliver vehicles" with a button labeled "Selected vehicles (1)" and a "Clear" button. Below this is a red-bordered search bar containing the placeholder text "Please enter the license plate number" and buttons for "Reset", "Search", and "Expand". The main area displays a table of vehicle data with columns for "License plate Number", "Device", and "Group". The table contains 10 rows of data, each with a checkbox next to the license plate number. The data is as follows:

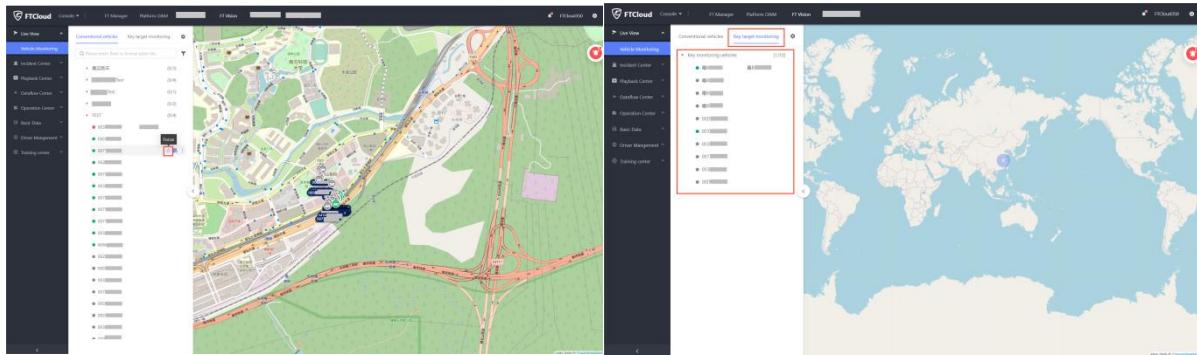
License plate Number	Device	Group
003	003	FTCloud
00B	00B	测试
007	007	FTCloud
007	007	FTCloud
007	007	FTCloud
00D	00D	FTCloud
003	003	FTCloud
007	007	FTCloud
00D	00D	FTCloud

At the bottom of the table, there is a pagination control showing "Total 295 piece(s)" and page numbers from 1 to 30.

After setting text content and conditions, you can add additional vehicles to distribute text. The upper part of the list is the vehicles subject to the single vehicle escort, which will be added to the distribution list by default, and the lower part of the list is the vehicles to be added. After completing all settings, you can distribute voice and text to the vehicles.

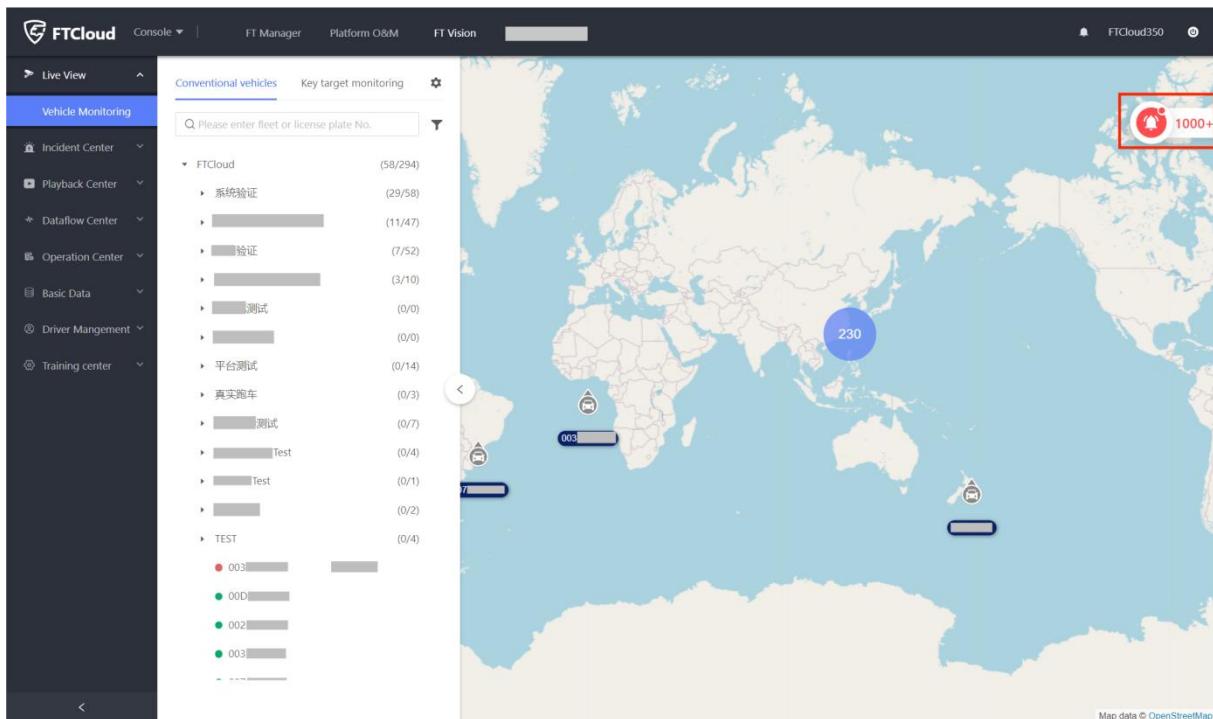
1.3.7 Focus

1) Function introduction



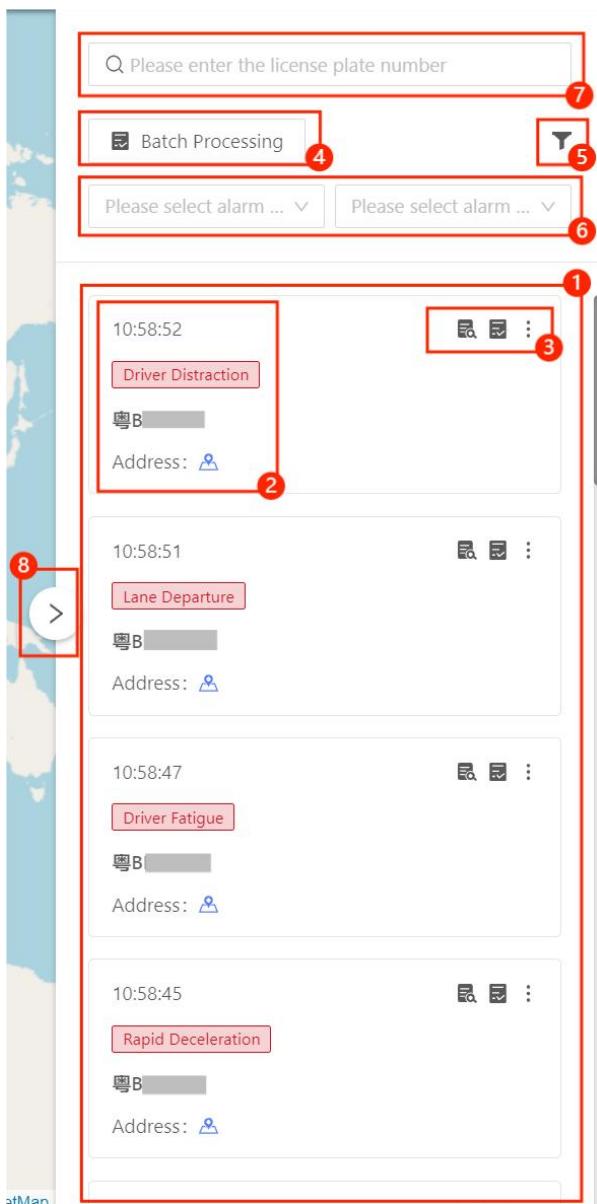
You can click on the star button (Focus) to mark a vehicle for special attention. When you click on special focus, the vehicle information will be synchronized to the "Key target monitoring" at the top of the list, where you can quickly locate the vehicle you are interested in. To cancel a special focus, you can click the star button (Unfocus) again.

1.3.8 Alarm list



Click the alarm button in the upper right corner of the vehicle monitoring page to access the alarm list. Alarm prompting is a very important function in the real-time monitoring scenario, which can help improve the business scenario of safety supervision; the real-time alarm prompting function can help safety supervisors quickly learn about the current safety operation of the fleet, and make timely and effective interventions for drivers with frequent dangerous driving behaviors.

1) Module composition



- ① List of alarms;
- ② Alarm information;
- ③ ④ Function buttons for alarm details and alarm handling;
- ⑤⑥ Filtering function by alarm type and alarm level;
- ⑦ Vehicle search;
- ⑧ You can click the small arrow on the left side of the list to exit the alarm list.

2) Details

a) Alarm information and alarm handling

The screenshot displays a software interface for managing vehicle alarms. At the top, there is a search bar labeled "Please enter the license plate number". Below the search bar are two dropdown menus: "Batch Processing" (which is highlighted with a red box) and "Please select alarm ...". The main area contains a list of three alarms, each represented by a card:

- Alarm 1:** Timestamp: 18:39:18, Type: Video Loss Alarm, Vehicle ID: 00D, Address: [Address], Actions: Process alarm (button with dropdown menu).
- Alarm 2:** Timestamp: 18:38:45, Type: No Driver, Vehicle ID: 00D, Address: [Address], Actions: Process alarm (button with dropdown menu).
- Alarm 3:** Timestamp: 18:38:31, Type: No Driver, Vehicle ID: 00D, Address: [Address], Actions: Process alarm (button with dropdown menu).

In the alarm list, all newly generated alarms will be promptly updated to the top of the list, along with the alarm type, the alarmed vehicle and the address where the alarm occurred. You can click "Process alarm" to process a single alarm, or "Batch Processing" to process all the alarms in the current list.

b) Search

The screenshot displays two side-by-side search results for vehicle alarms. Both results include a search bar at the top labeled "Please enter the license plate number". Below the search bar is a "Batch Processing" button with a checkmark icon. To the right of each result is a red-bordered filter icon containing a magnifying glass symbol.

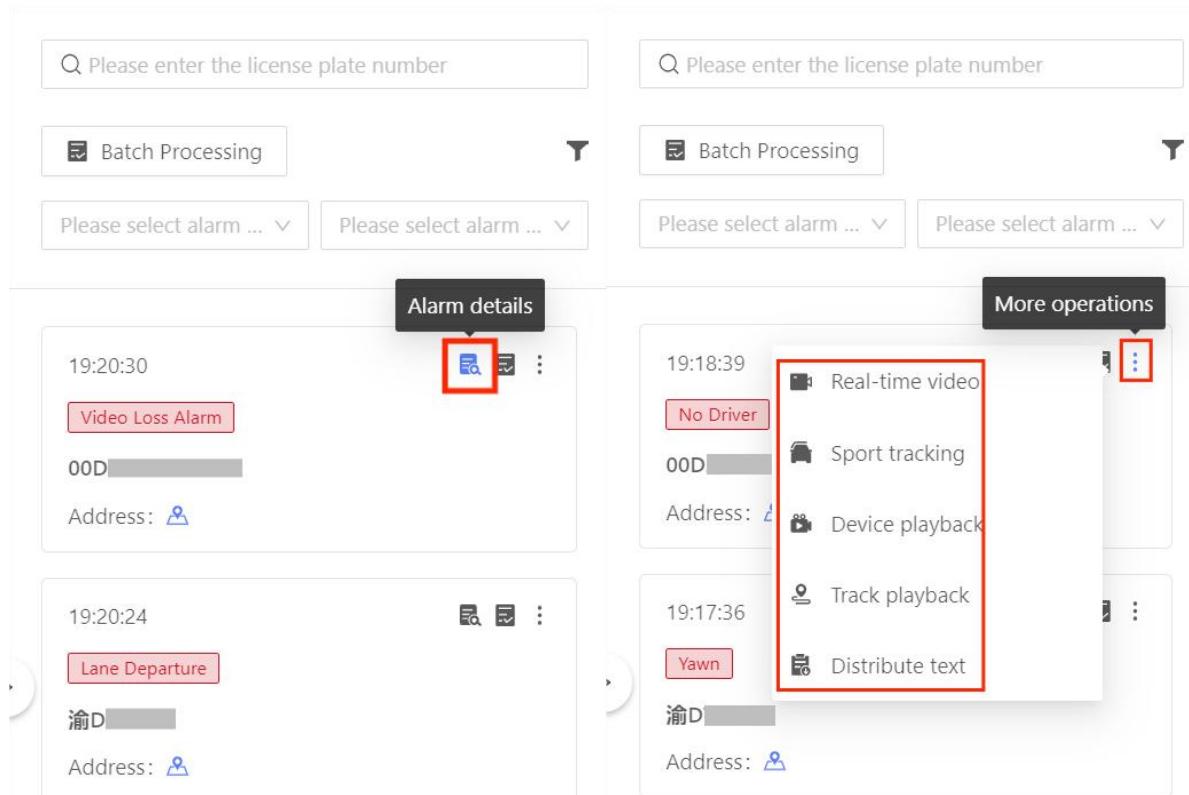
Left Result: The first result shows a dropdown menu titled "Please select alarm ...". This menu is also red-bordered. It lists various alarm types: Speed limit sign alarm, critical risk alarm, Driver Making Phone ..., Driver Smoking, Too Close to the Vehicle, Yawn, Pedestrian Collision, Not Wearing Seat Belts, and Video Loss Alarm. The "Video Loss Alarm" option is highlighted with a red border. Below the dropdown are the values "00D" and "Address: [person icon]".

Right Result: The second result shows a dropdown menu titled "Please select alarm ...". This menu is also red-bordered and lists alarm levels: High Risk, Medium Risk, Low Risk, and Other Risk. The "High Risk" option is highlighted with a red border. Below the dropdown are the values "19:11:44", "No Driver", "00D", and "Address: [person icon]".

Bottom Result: The third result shows a dropdown menu titled "Please select alarm ...". This menu is red-bordered and lists alarm types: Video Loss Alarm. The "Video Loss Alarm" option is highlighted with a red border. Below the dropdown are the values "19:11:36", "Video Loss Alarm", "00D", and "Address: [person icon]".

You can search alarm types and alarm levels to get a targeted view of your fleet's alarms.

c) Additional functions



You can click "Alarm details" to learn about the details of the alarm; you can also click "More operations" to view other information of the current vehicle through other functions, i.e. real-time video, single vehicle escort, device playback, track playback and text distribution.

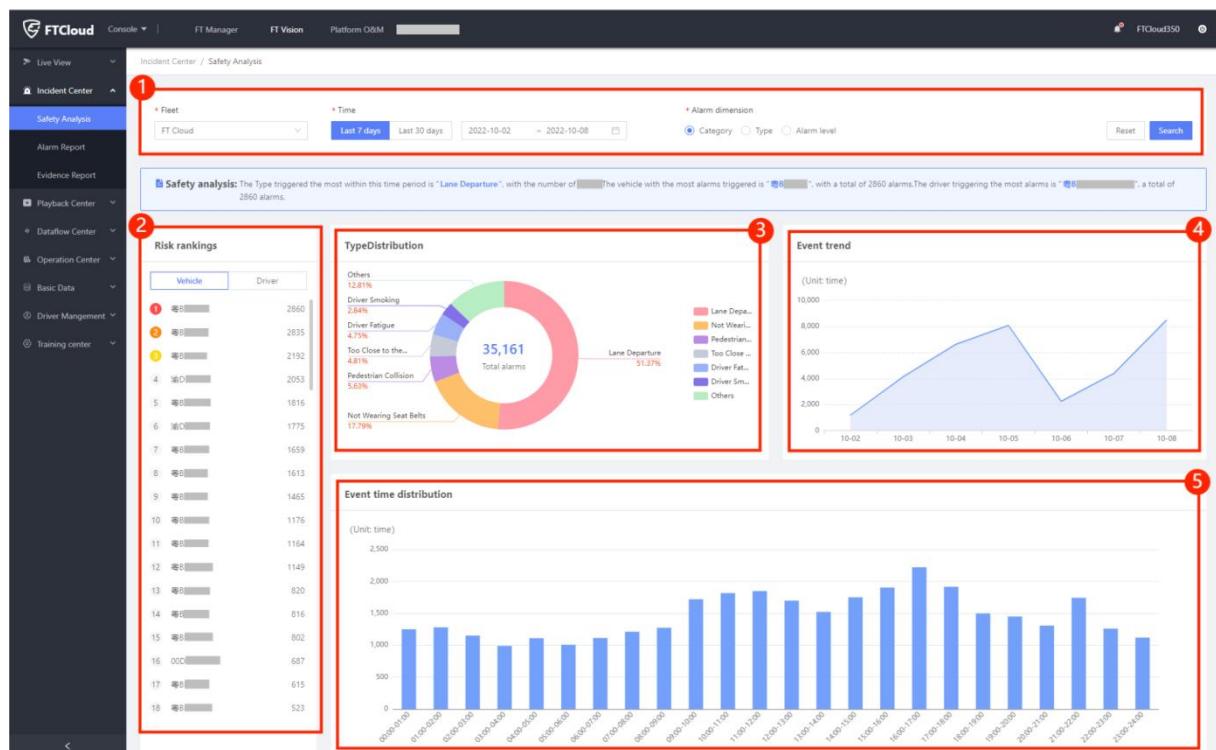
2. Safety center

Safety center mainly contains three main functional modules: safety analysis, alarm management and evidence management, which are mainly used to help users to quickly and comprehensively understand the operation status of the fleet and alarm information and make corresponding management actions for the safe operation of the fleet.

2.1 Safety analysis

Safety analysis is a very important module of FT vision for safe operations. You can understand the safe operation of each fleet and vehicle by previewing the alarm statistics. The safe operation statistics are divided into the following categories: ranking of the number of vehicle alarms, distribution of alarm types, distribution of alarm classifications, distribution of alarm levels, trends in the number of alarms (daily), and distribution of the number of alarms (hourly).

2.1.1 Module composition



① Operation information search;

② Ranking of the number of vehicle alarms;

③ Distribution of the number of alarms;

④ Alarm trends;

⑤ Distribution of alarm time sections.

2.1.2 Details

1) Operation information search



The screenshot shows a search interface with three main filter sections. The first section, 'Fleet', has a dropdown menu set to 'FT Cloud'. The second section, 'Time', includes a dropdown for 'Last 7 days' or 'Last 30 days', with 'Last 30 days' selected, and date pickers for '2022-09-09' and '2022-10-08'. The third section, 'Alarm dimension', has radio buttons for 'Category', 'Type', and 'Alarm level', with 'Alarm level' selected. At the bottom right are 'Reset' and 'Search' buttons.

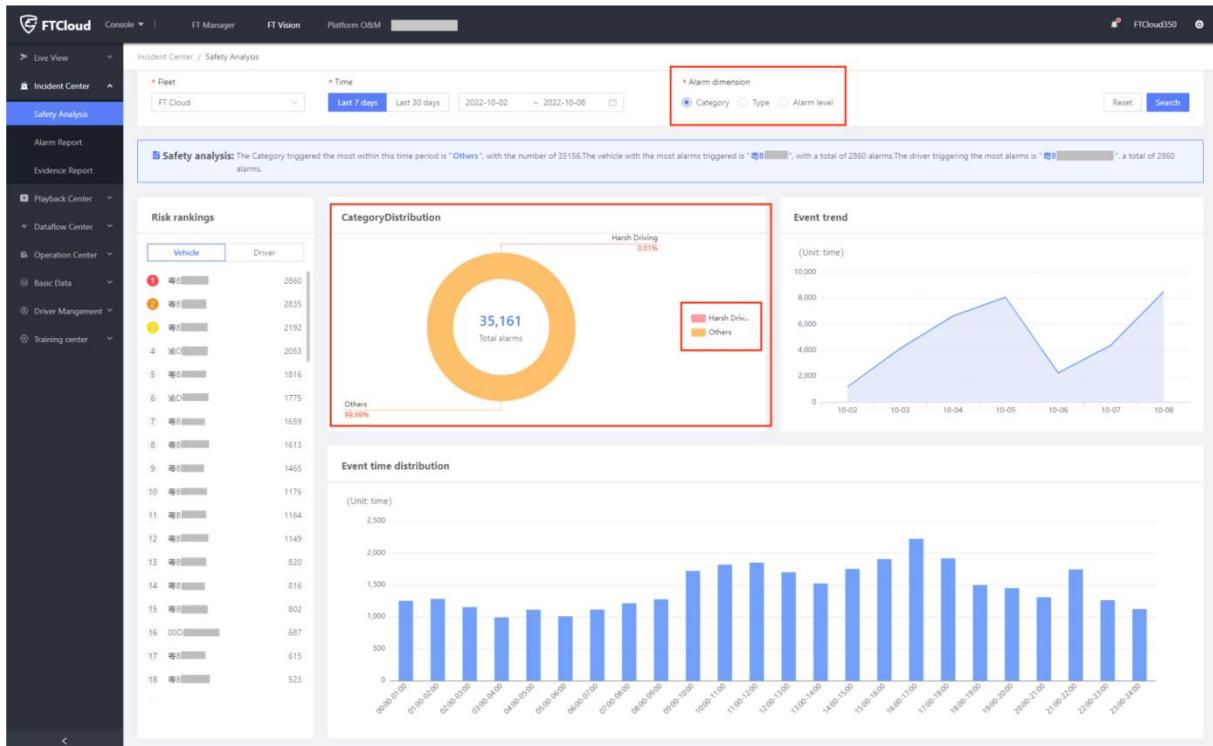
You can retrieve the safe operation information of different fleets and different time periods according to your actual business scenarios, and the platform provides a quick choice of time ranges, including 7 days and 30 days; you can also choose to view the distribution of the number of alarms by different alarm types, alarm classifications, and alarm levels. You can click "Search" to start the search; and click "Reset" to reset the selection, that is, the default selection is the distribution of alarm types for 7 days.

2) Ranking of the number of vehicle alarms



After completing the search by time and fleet, the user can obtain a ranking of the number of vehicle alarms in the fleet. A vehicle with high ranking means that the vehicle has generated the largest number of alarms in the current time period and that it is vehicle with the highest level of safe driving risk in the current fleet.

3) Alarm dimension



You can get the distribution of alarm types, alarm classification and alarm levels according to the number of alarms over a period of time, and the graph is represented by a ring diagram, which allows you to understand the main safety problems of the fleet according to the distribution of the number of alarms.

Alarm type: the alarm type is the default alarm name on the platform, and the definition of its name is mainly based on the industry standard;

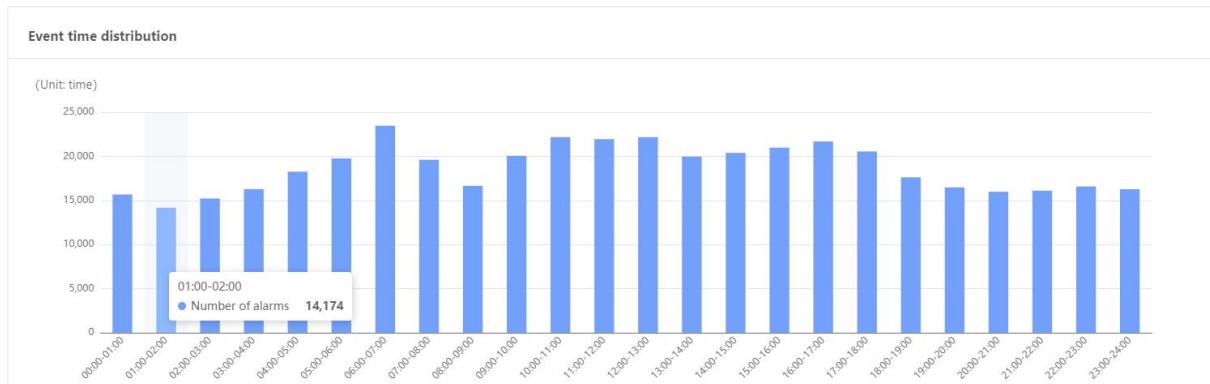
Alarm classification: Alarm classification is based on your understanding of the alarms and the actual business scenarios to classify the alarm types. (The setting of alarm classification shall be done in FT Manager)

4) Alarm trends



Alarm trends can be used to understand the safe operation trends of the fleet within a certain time frame. This curve diagram shows the number of alarms generated per day and the overall trend for the current fleet.

5) Distribution of alarm time sections



The chart shows the sum of the number of alarms generated at different time periods of the day, which can be used to understand what time of day drivers are generally at high risk and thus help to arrange human and material resources for safety supervision.

2.2 Alarm management

The screenshot shows the FTCloud platform interface for alarm management. The left sidebar contains navigation links for Live View, Incident Center, Safety Analysis, and Alarm Report (which is highlighted with a blue box). The main area is titled 'Incident Center / Alarm Report' and includes search filters for License plate, Alarm status, Alarm type, Fleet, Alarm level, Alarm category, and Date range. A table lists 12 alarms, each with columns for Type, License plate, Driver, Driver name, Fleet, Device number, Speed, Location, Alarm status, Category, Alarm level, Label, Alarm time, Alarm event, and Operation. The alarms listed include Lane Deviations, Not Wearing Seatbelts, Video Loss, and Driver Fatigue, all marked as 'waiting'.

Type	License plate	Driver	Driver name	Fleet	Device number	Speed	Location	Alarm status	Category	Alarm level	Label	Alarm time	Alarm event	Operation
Lane Dev...	渝D...	-	-	000...	54 km/h		To be ...	-	-	-	-	2022-10-11 19:18:48	waiting	
Not Wea...	渝D...	-	-	000...	28 km/h		To be ...	-	-	-	-	2022-10-11 19:18:22	waiting	
Video Lo...	000...	-	-	深圳车组	6 km/h		To be ...	-	-	-	-	2022-10-11 19:18:09	waiting	
Not Wea...	渝D...	-	-	000...	26 km/h		To be ...	-	-	-	-	2022-10-11 19:17:56	waiting	
Lane Dev...	000...	-	-	深圳车组	59 km/h		To be ...	-	-	-	-	2022-10-11 19:17:46	waiting	
Lane Dev...	000...	-	-	深圳车组	60 km/h		To be ...	-	-	-	-	2022-10-11 19:17:41	waiting	
Lane Dev...	000...	-	-	深圳车组	60 km/h		To be ...	-	-	-	-	2022-10-11 19:17:22	waiting	
Not Wea...	渝D...	-	-	000...	22 km/h		To be ...	-	-	-	-	2022-10-11 19:17:08	waiting	
Driver Fa...	渝D...	-	-	000...	38 km/h		To be ...	-	-	-	-	2022-10-11 19:17:01	waiting	
Lane Dev...	000...	-	-	深圳车组	51 km/h		To be ...	-	-	-	-	2022-10-11 19:16:57	waiting	
No Driver	000...	-	-	深圳车组	6 km/h		To be ...	-	-	-	-	2022-10-11 19:16:51	waiting	

This page allows you to quickly search and preview the alarms generated by the fleet during a time period, and you can limit the search to individual vehicles.

2.2.1 Module composition

The screenshot shows the FTCloud Incident Center / Alarm Report interface. The left sidebar includes options like Live View, Incident Center, Safety Analysis, Alarm Report (which is selected), Evidence Report, Playback Center, Dataflow Center, Operation Center, Basic Data, Driver Management, and Training center. The main area has a search bar with dropdowns for License, Alarm status, Alarm type, Fleet, Alarm level, Alarm category, Date range, and Label(s). A red box labeled ① highlights these search fields. Below the search is a 'Batch process' button. A red box labeled ② highlights this button along with other function buttons (C, G, M, H) and a collapse icon. The main content area displays a table of detected alarms with columns: Type, License, Driver, Driver e., Fleet, Device n..., Speed, Location, Alarm st..., Category, Alarm le..., Label, Alarm time, Alarm ev..., and Operation. Each row shows details such as a license plate number, driver information, device ID, speed, location, alarm status, category, label, alarm time, event type, and operation status. A red box labeled ③ highlights the table area. At the bottom right of the table are navigation icons for first, previous, next, and last pages.

Type	License	Driver	Driver e.	Fleet	Device n...	Speed	Location	Alarm st...	Category	Alarm le...	Label	Alarm time	Alarm ev...	Operation
Lane De...	渝D...	-	-	0002000...	54 km/h		To be ...	-	-	-	-	2022-10-11 19:18:48	waiting	
Not Wea...	渝D...	-	-	0002000...	28 km/h		To be ...	-	-	-	-	2022-10-11 19:18:22	waiting	
Video Lo...	000...	-	-	深圳车组	0002000...	6 km/h		To be ...	-	-	-	2022-10-11 19:18:09	waiting	
Not Wea...	渝D...	-	-	0002000...	26 km/h		To be ...	-	-	-	-	2022-10-11 19:17:56	waiting	
Lane De...	000...	-	-	深圳车组	0002000...	59 km/h		To be ...	-	-	-	2022-10-11 19:17:46	waiting	
Lane De...	000...	-	-	深圳车组	0002000...	60 km/h		To be ...	-	-	-	2022-10-11 19:17:41	waiting	
Lane De...	000...	-	-	深圳车组	0002000...	60 km/h		To be ...	-	-	-	2022-10-11 19:17:22	waiting	
Not Wea...	渝D...	-	-	0002000...	22 km/h		To be ...	-	-	-	-	2022-10-11 19:17:08	waiting	
Driver Fa...	渝D...	-	-	0002000...	38 km/h		To be ...	-	-	-	-	2022-10-11 19:17:01	waiting	
Lane De...	000...	-	-	深圳车组	0002000...	51 km/h		To be ...	-	-	-	2022-10-11 19:16:57	waiting	
No Driver	000...	-	-	深圳车组	0002000...	6 km/h		To be ...	-	-	-	2022-10-11 19:16:51	waiting	

- ① Alarm information search: You can filter alarms by license plate numbers, alarm status, alarm type, fleet, alarm level, alarm classification, time period and labels.
- ② Function buttons for batch processing, settings and display modes;
- ③ Alarm list.

2.2.2 Function introduction

- ① Search: After filtering the alarm status and type, click "Search" to start the search, click "Reset" to reset to the default status, and click "Collapse" to close the search field;
- ② Support batch processing: click the check box at the top of each row of the list, and then click "Batch Process" for batch processing;
- ③ Support file export, list refresh, column setting and view selection, which can be correspondingly operated according to the actual scenarios;
- ④ Alarm type: You can click various alarm types in the "Type" column to enter the alarm details page;
- ⑤ Alarm evidence: you can click "View evidence" to enter the evidence details page;
- ⑥ Alarm processing: Alarm processing facilitates the quick pre-classification of the alarm when the relevant alarm is found.

2.2.3 Details

1) Column settings and preview mode

The screenshot shows the FTCloud platform's Incident Center / Alarm Report section. On the left, there's a sidebar with various navigation options like Live View, Incident Center, Alarm Report (which is currently selected), Safety Analysis, Evidence Report, Playback Center, Dataflow Center, Operation Center, Basic Data, Driver Management, and Training center. The main area displays a table of alarm records. The table has columns for Type, License plate number, Driver, Driver employee ID, Fleet, Device number, Speed, Location, Alarm status, Category, Alarm level, Label, and Alarm time. Each row contains a checkbox and some descriptive text. In the top right of the table header, there's a 'Columns Setting' button with a tooltip '①'. A modal window titled 'Columns Setting' is open, listing the same columns as the table. Most of these columns have checkboxes checked, indicating they are currently displayed in the table.

- ① You can click "Columns Setting" for column setting, and check the columns that shall be displayed according to the actual scenario;

The screenshot displays the FTCloud350 platform's Incident Center / Alarm Report section. On the left, a sidebar lists various modules: Live View, Incident Center, Safety Analysis, Alarm Report (which is selected and highlighted in blue), Evidence Report, Playback Center, Dataflow Center, Operation Center, Basic Data, Driver Management, and Training Center. The main area shows a grid of alarm cards. The first card in the top row is a video thumbnail of a truck on a bridge at 06:00, labeled as a high risk alarm. The second card is a video thumbnail of a truck on a bridge at 06:00, labeled as a medium risk alarm. The third and fourth cards in the top row are dark screens with icons for Lane Departure and Driver Distraction, both labeled 'No data available'. The bottom row contains four cards: a dark screen with an icon for Driver Distraction, a video thumbnail of a truck on a road at 05:59 labeled as a low risk alarm, a dark screen with an icon for Lane Departure labeled 'No data available', and a dark screen with an icon for Driver Distraction labeled 'No data available'. At the top right of the main area, there are search and filter fields, and a button with a '2' indicating two notifications. The bottom right of the main area has navigation arrows.

② You can choose list mode or image mode according to the actual scenario.

2) Alarm details

You can click various alarm types in the "Type" column to enter the alarm details page.

a) Alarm details information

The screenshot displays the FTCloud platform's alarm details interface. The left sidebar contains various navigation links such as Live View, Incident Center, Safety Analysis, Alarm Report (which is currently selected), Evidence Report, Playback Center, Dataflow Center, Operation Center, Basic Data, Driver Management, and Training center. The main content area is titled 'Incident Center / Alarm Report / Alarm Details'. It shows a 'high risk alarm' (1) with the identifier 'B' and a status 'To be processed'. The alarm type is 'high risk alarm', the license plate number is obscured, and the driver name is 'B'. Below this, there is a section for 'Alarm evidence' (2) which includes a video feed showing a truck on a bridge and a camera view of the driver. The video feed has a timestamp of 2022-10-11 17:01:13, a speed limit of 60KM/H, and a location of 22.53.2070N 113.34.21854E. A speed graph shows a constant speed of 24 km/h. To the right of the evidence is a map (3) showing the geographical location of the alarm. At the bottom is a table for 'Processing records' (4) with columns for Processing time, Operation, Operator, and Processing content, all currently showing 'No Data'.

- ① To display alarm type name, vehicle information, and driver information;
- ② To display alarm video evidence;
- ③ To display alarm position;
- ④ To display alarm processing record;

The screenshot shows the FTCloud console interface. On the left, there's a sidebar with various menu items like 'Live View', 'Incident Center', 'Safety Analysis', 'Alarm Report' (which is selected), 'Evidence Report', 'Playback Center', 'Dataflow Center', 'Operation Center', 'Basic Data', 'Driver Management', and 'Training center'. The main content area has a header 'Driver Distraction- 8 To be processed'. Below it, there are two sections: 'Alarm evidence' and 'Processing records'. The 'Alarm evidence' section shows a box icon with the text 'No video evidence' and a blue 'Click to upload' button. The 'Processing records' section also shows a box icon with the text 'No Data'. At the top right, there are 'Unfold' and 'Fold' buttons.

⑤ If no alarm upload policy is made for the current alarm, it may result in no video or capture for that alarm, and the alarm details are displayed as shown in the above picture;

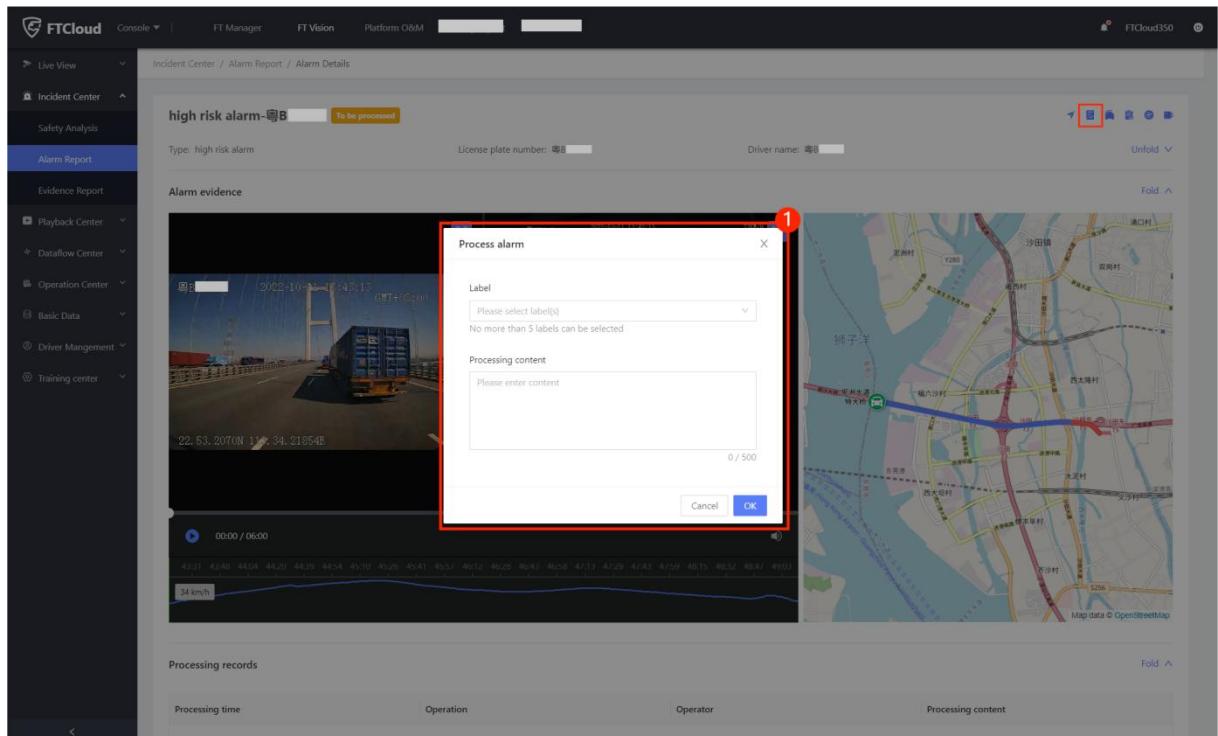
The screenshot shows the FTCloud console interface under the 'Device Playback' tab. On the left, there's a sidebar with 'Live View', 'Incident Center', 'Playback Center' (selected), 'Video Library', 'Dataflow Center', 'Operation Center', 'Basic Data', 'Driver Management', and 'Training center'. The main area features a timeline of video frames from 13:25:51 to 13:34:07. Above the timeline, a speed limit of '79.2 km/h' is displayed. Below the timeline, there are four preview boxes, each with a 'No pictures' message. To the right is a map of a coastal city with a green route line and red alarm markers. At the bottom, there's a video player showing frame 13:45:22, a time slider from 00:00:00 to 23:59:59, and a legend: '● Video available' (blue dot), '● Alarm' (red dot), and '● Uploaded to the server' (green dot). A note at the bottom right says 'Map data © OpenStreetMap'.

⑥ You can click "Click to upload" to request the alarm video. If the vehicle is online now, the progress bar of video playback and interception will be automatically positioned to

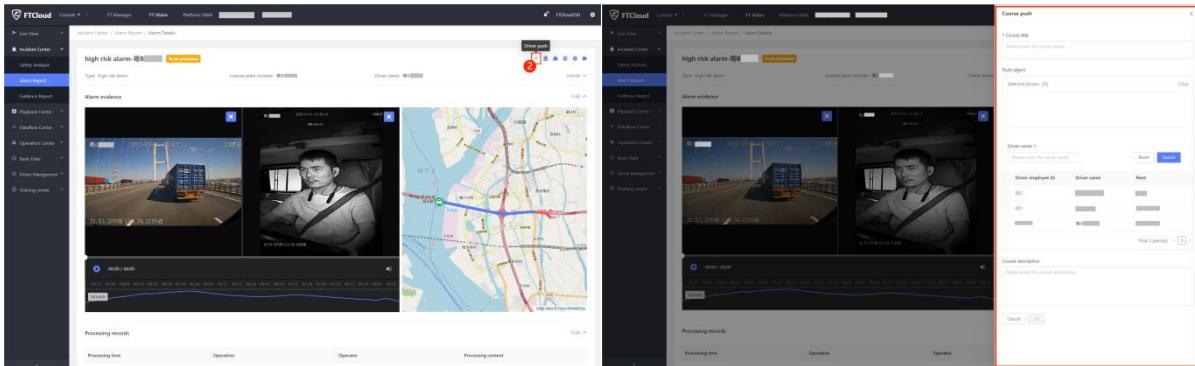
the time point when the alarm occurred, and you can select the length of the alarm video download; if the vehicle is not online, it will be displayed as shown above. (If the vehicle is not online, you can manually request an offline device video download, please refer to section 3.2.2/2) for details)

b) Additional functions for alarm details:

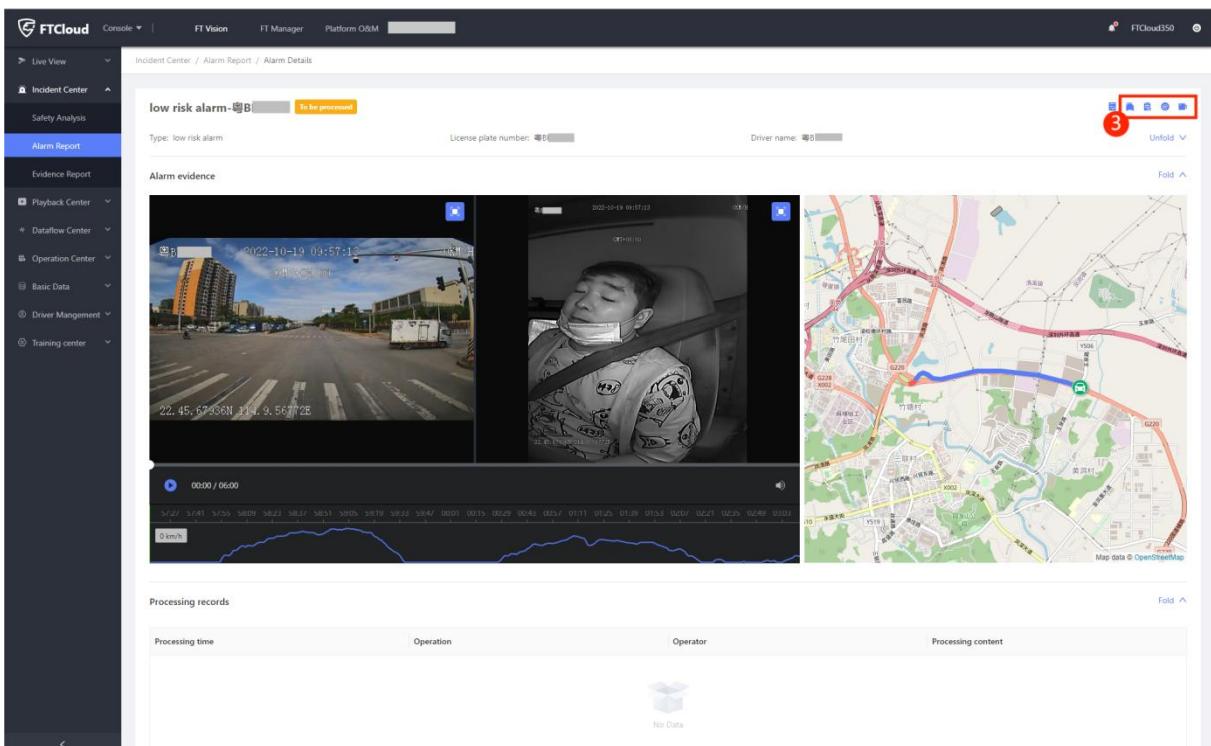
Once the required alarm videos and alarm captures are obtained, relevant safety management actions can be taken based on the severity of the alarm.



- ① Alarm processing: It can facilitate the classification of the alarm when you find the relevant alarm. The user can rate or comment on the alarm after it has been classified;



② Driver push: You can click "Driver push" to push the course to the driver;



③ Single vehicle escort (refer to 1.3.5), text distribution (refer to 1.3.6), remote playback (refer to 1.3.3) and real-time video (refer to 1.3.4).

3) Alarm evidence

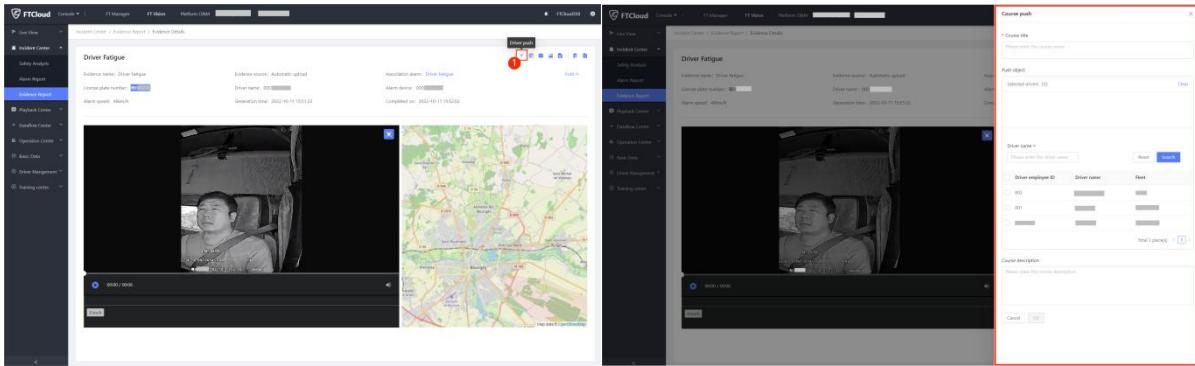
The screenshot shows the FTCloud platform interface. On the left, there's a sidebar with various menu items like Live View, Incident Center, Safety Analysis, Alarm Report (which is selected and highlighted in blue), Evidence Report, Playback Center, Dataflow Center, Operation Center, Basic Data, Driver Management, and Training center. The main area is titled 'Incident Center / Alarm Report'. It features several search and filter fields: 'License...' (with a dropdown showing '粤B'), 'Please select alarm status' (dropdown), 'Please select alarm type' (dropdown), 'Please select a fleet' (dropdown), 'Please select the alarm level' (dropdown), 'Please select alarm category' (dropdown), date range '2022-10-11 00:00:00 ~ 2022-10-11 23:59:59', 'Please select label(s)' (dropdown), 'Reset', 'Search', and 'Collapse' buttons. Below these is a table header with columns: Type, License pl..., Driver, Driver em..., Fleet, Device nu..., Speed, Location, Alarm stat..., Category, Alarm level, Label, Alarm time, Alarm evi..., and Operation. The 'Alarm evi...' column contains links labeled 'View evidence' with small red boxes around them. The table body lists 15 rows of alarm data, each with a checkbox in the first column and a red box around the 'View evidence' link in the last column.

Type	License pl...	Driver	Driver em...	Fleet	Device nu...	Speed	Location	Alarm stat...	Category	Alarm level	Label	Alarm time	Alarm evi...	Operation
Driver Fati...	粤B	000	-	000	000	46 km/h	▲	To be pr...	-	-	-	2022-10-11 15:51:22	View evidence	Downloaded
Driver Fati...	粤B	000	-	000	000	56 km/h	▲	To be pr...	-	-	-	2022-10-11 15:50:42	View evidence	Downloaded
Driver Fati...	粤B	000	-	000	000	38 km/h	▲	To be pr...	-	-	-	2022-10-11 15:50:00	View evidence	Downloaded
Driver Fati...	粤B	000	-	000	000	38 km/h	▲	To be pr...	-	-	-	2022-10-11 15:49:57	View evidence	Downloaded
Driver Fati...	粤B	000	-	000	000	37 km/h	▲	To be pr...	-	-	-	2022-10-11 15:49:53	View evidence	Downloaded
Driver Fati...	粤B	000	-	000	000	37 km/h	▲	To be pr...	-	-	-	2022-10-11 15:44:51	View evidence	Downloaded
Driver Fati...	粤B	000	-	000	000	11 km/h	▲	To be pr...	-	-	-	2022-10-11 14:25:58	View evidence	Downloaded
Driver Fati...	粤B	000	-	000	000	25 km/h	▲	To be pr...	-	-	-	2022-10-11 14:08:26	View evidence	Downloaded
Pedestrian...	粤B	000	-	000	000	8 km/h	▲	To be pr...	-	-	-	2022-10-11 13:35:23	View evidence	Downloaded
Driver Fati...	粤B	000	-	000	000	40 km/h	▲	To be pr...	-	-	-	2022-10-11 13:34:14	View evidence	Downloaded
Driver Fati...	粤B	000	-	000	000	44 km/h	▲	To be pr...	-	-	-	2022-10-11 13:30:40	View evidence	Downloaded
Driver Fati...	粤B	000	-	000	000	41 km/h	▲	To be pr...	-	-	-	2022-10-11 13:29:23	View evidence	Downloaded
Driver Fati...	粤B	000	-	000	000	39 km/h	▲	To be pr...	-	-	-	2022-10-11 13:00:15	View evidence	Downloaded
Driver Fati...	粤B	000	-	000	000	n/a km/h	▲	To be pr...	-	-	-	2022-10-11 11:13:07	View evidence	Download failed

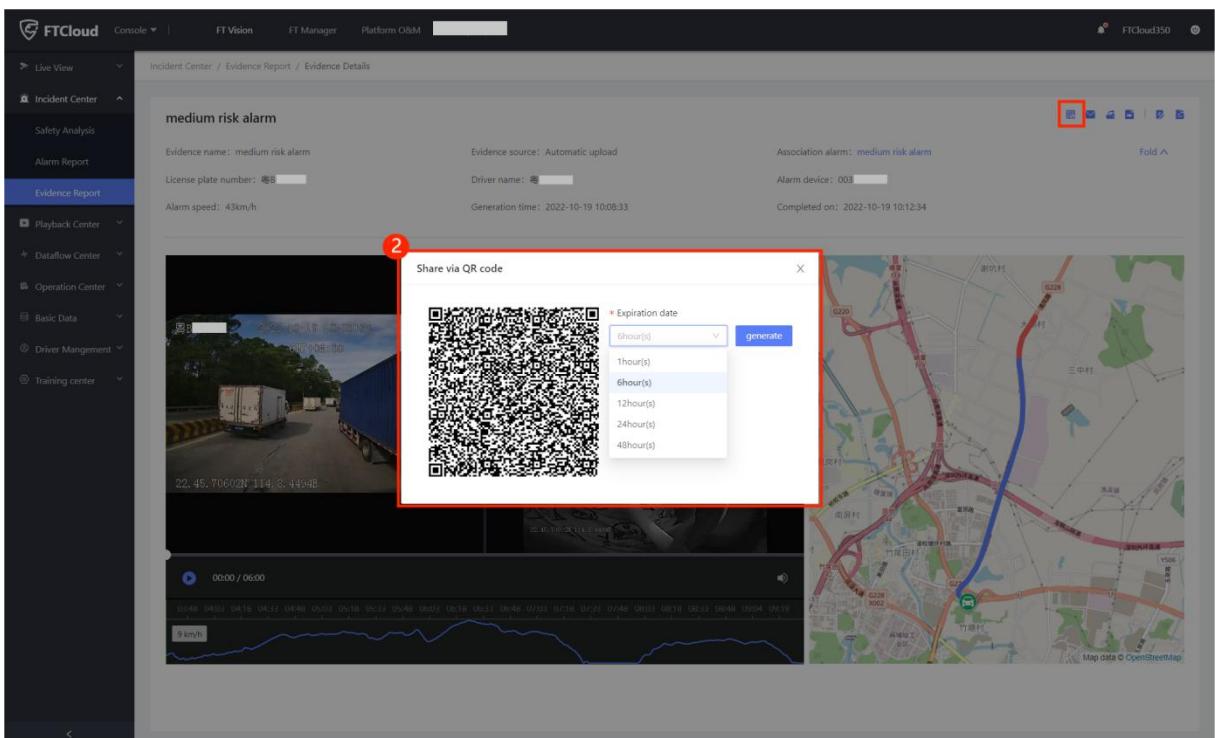
You can judge whether there is video or capture of the current alarm according to the fields in the alarm evidence column: '-' for no alarm video or capture; 'View evidence' for downloaded video. You can click to enter the alarm evidence details page; if the video is being downloaded, 'downloading' will be displayed, and if the downloading has failed, 'download failed' will be displayed.

You can click "View evidence" to enter the evidence details page. The alarm evidence details page is similar to the alarm details page, and the only difference is that after setting the alarm upload policy in FT Manager, the alarm video or capture will be defined as alarm evidence.

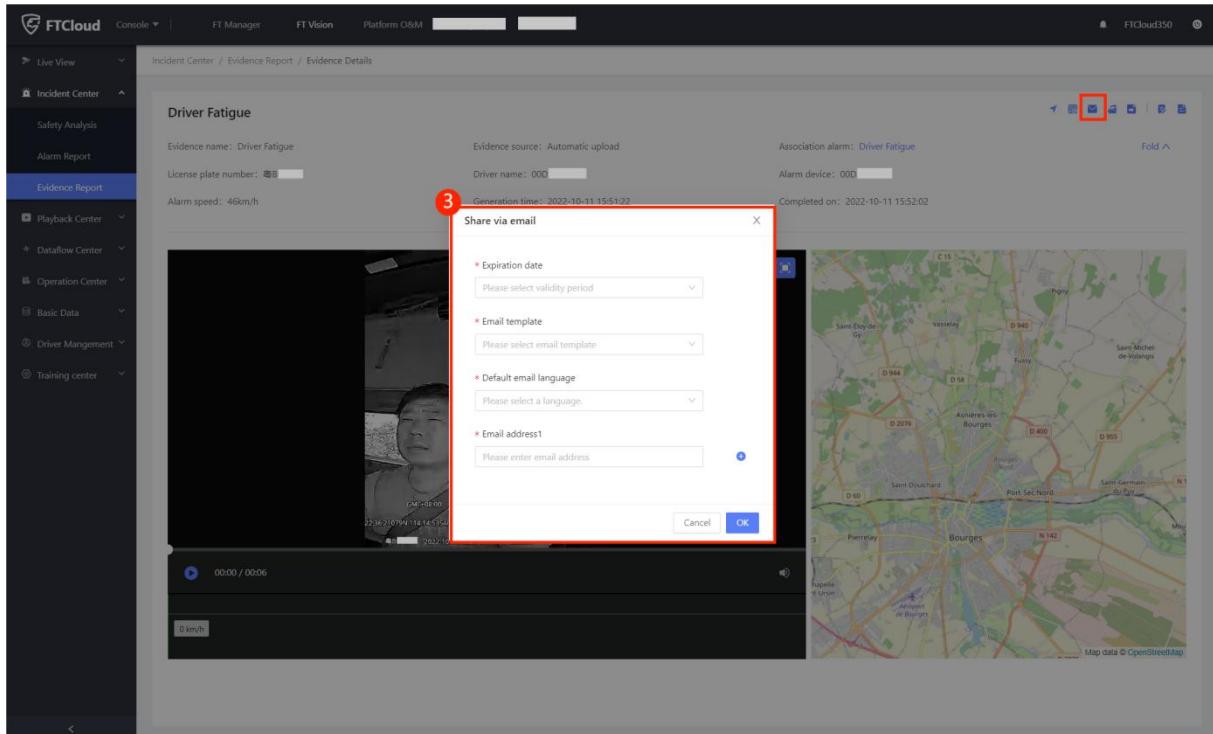
In addition, a number of additional features have been added here to help share alarms or get alarm reports:



① Driver push (click "Driver push" to push the course to the driver);



② Share via QR code: QR code can be shared to send alarm videos, and the valid time of QR code can be selected up to 48 hours;



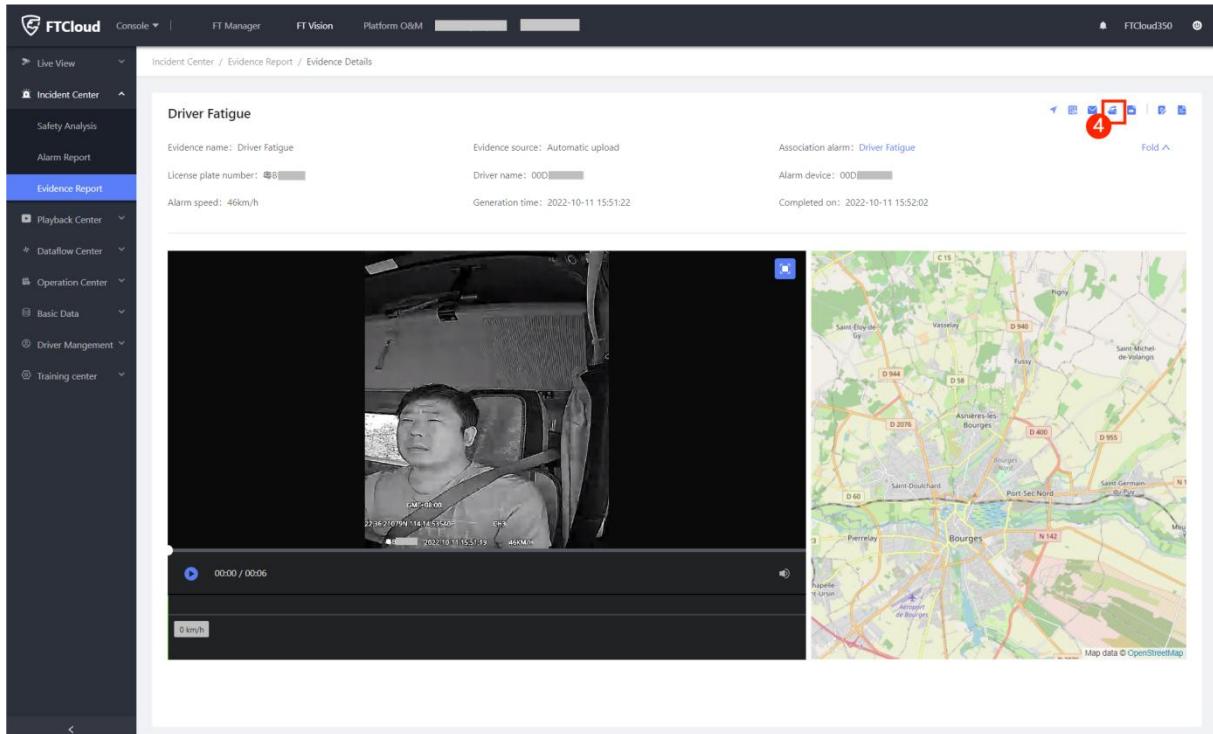
③ Share via email: you can send the alarm to a driver's e-mail address quickly to facilitate the driver to learn to improve the driving ability in time;

Expiration date: the effective expiration date of the current email. After the expiration date, the recipient of the email will not be able to watch the alarm video through the link;

Email template: the email template that has been set up in FT manager;

Default email language: you can send emails in different languages according to your needs: Chinese, English, Spanish and Portuguese are supported at this stage;

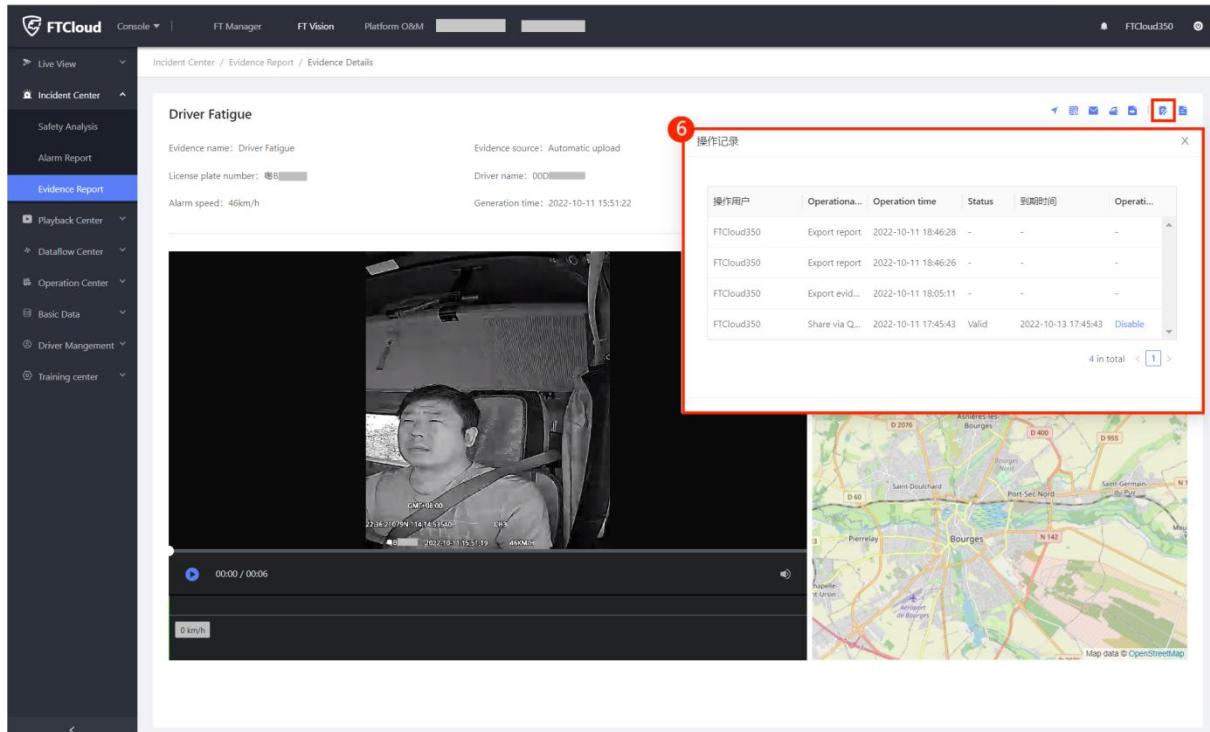
Email address: you can freely add email addresses without limitation;



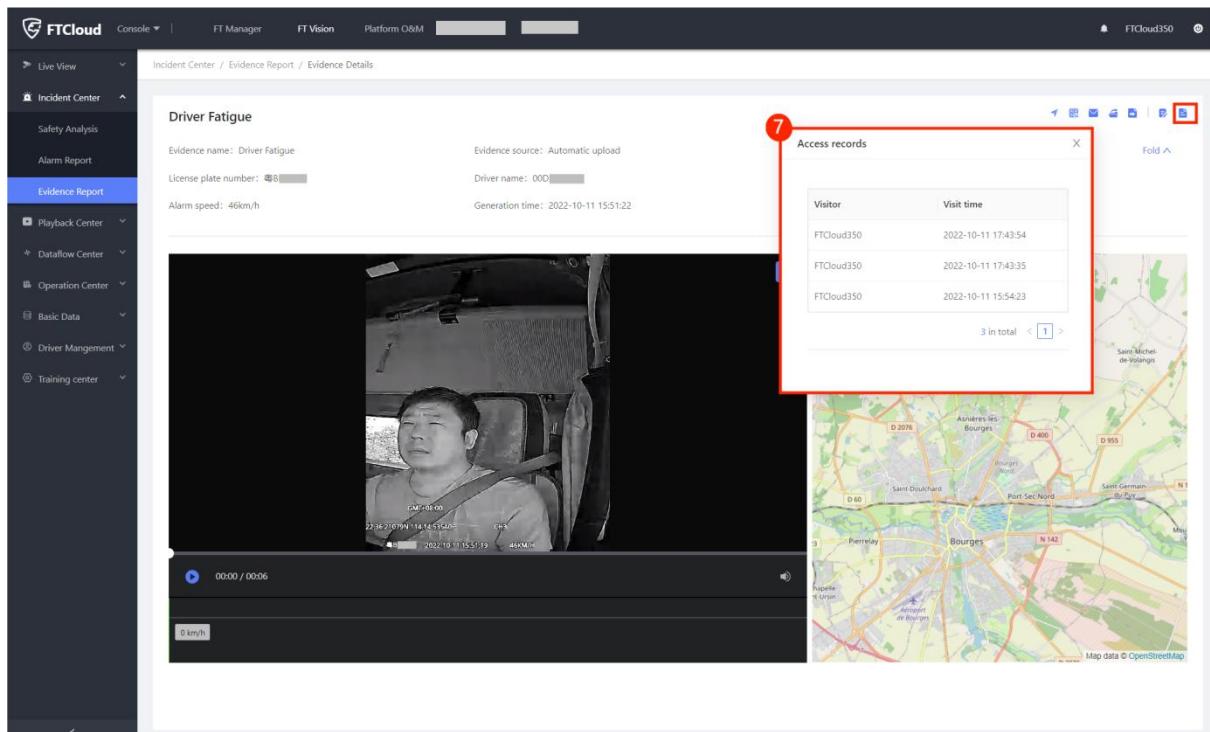
- ④ Export evidence: to export alarm video or capture. If the alarm evidence is video, it will be in MP4 format;

EvidenceReport EVIDENCE REPORT CARD	
EvidenceName: Yawn	VehicleName: 001
Driver name: 007	EventDateTime: 2022-12-02 07:50:03 (UTC+0)
	FinishTime: 2022-12-02 07:50:39 (UTC+0)
Note:	
Map :	
EventPicture :	
	Signature : _____
SigningDate : _____	

- ⑤ Export report: to quickly export a report of the current alarm evidence. The report can be provided to the safe operation team or to the driver;

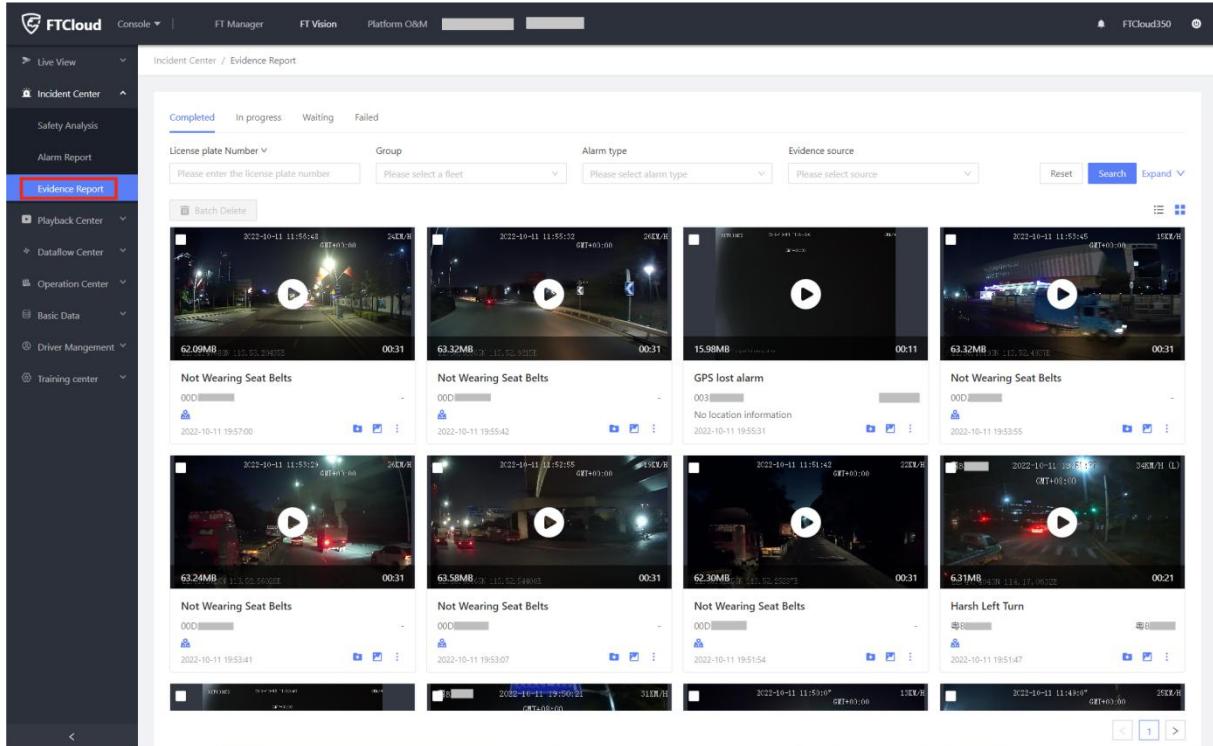


⑥ Operation record: to record the operations of visitors to the above auxiliary functions;



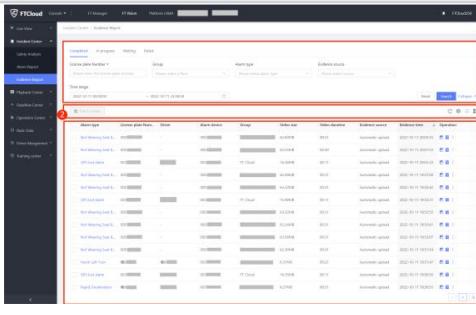
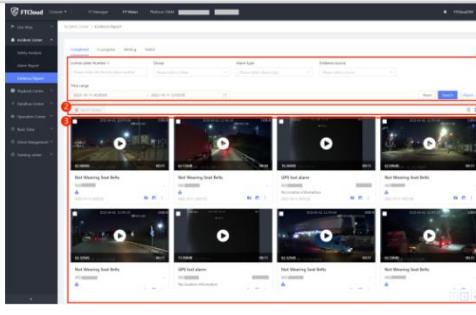
⑦ Access records: To record which visitors have previewed the alarm evidence.

2.3 Evidence management

The screenshot shows the 'Evidence Report' section of the FTCloud platform. On the left, a sidebar lists various modules: Live View, Incident Center, Safety Analysis, Alarm Report, and Evidence Report (which is highlighted with a red box). The main area displays a grid of video thumbnails for completed alarms. Each thumbnail includes a play button, file size, duration, timestamp, and location information. The search bar at the top allows filtering by license plate number, group, alarm type, and evidence source.

You can quickly search alarm videos or captures through multiple dimensional search conditions.

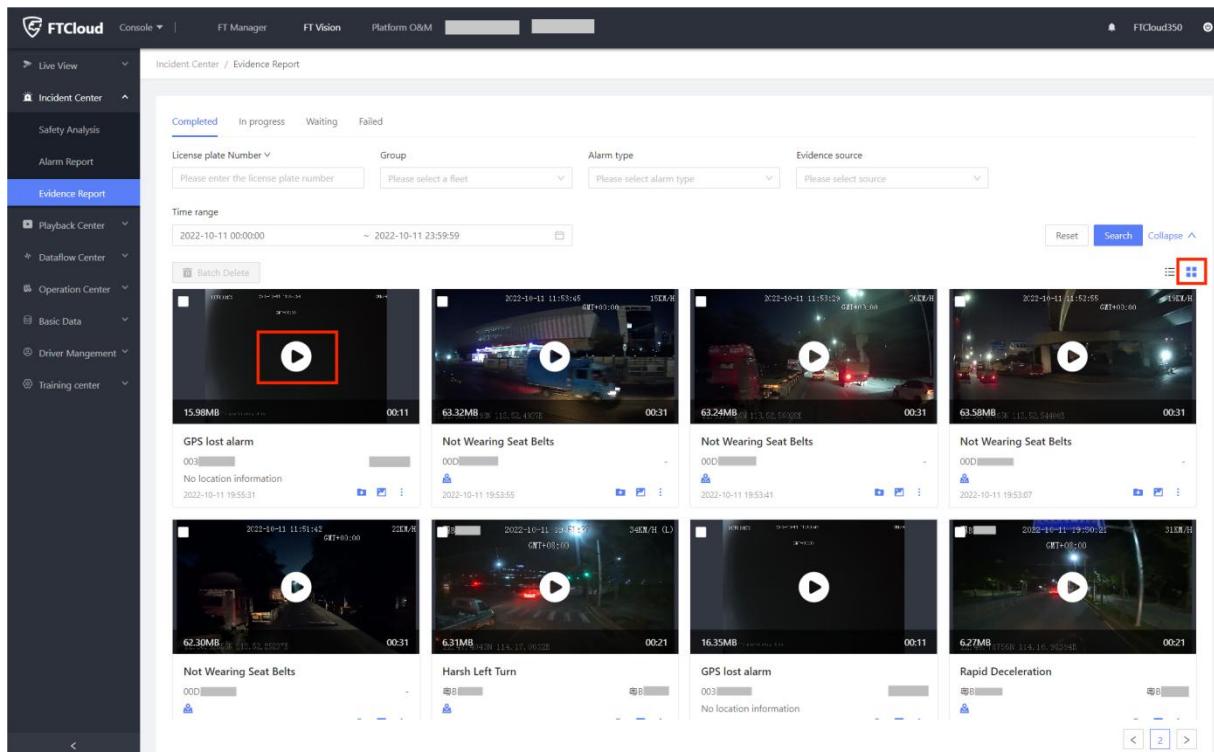
2.3.1 Module composition

	List preview mode	Image preview mode
Screen shots		
Common points	① Search: vehicle name, fleet name, alarm type, evidence upload method and time range (time range is selected by default for the day of using the platform)	

Differences	② Function operation: support batch processing, refresh, column setting and preview mode selection function	② Function operation: only support the selection function for batch processing and preview mode
	③ List display	③ Image display

2.3.2 Details

1) Image preview mode



In image preview mode, if the current evidence is a video, a white play button will appear in the middle of the screen, and you can click it for a quick preview of the evidence video; if the evidence is an image, there will be no white play button in the middle of the screen.

2) Alarm upload status

The screenshot shows the FTCloud Evidence Report page. On the left, there is a sidebar with various options like Live View, Incident Center, Safety Analysis, Alarm Report, and Evidence Report. The Evidence Report option is selected and highlighted in blue. At the top of the main content area, there is a navigation bar with tabs: Completed (highlighted in blue), In progress, Waiting, and Failed. A red box with the number '1' highlights this tab. Below the tabs, there are search and filter fields for License plate Number, Group, Alarm type, and Evidence source, along with a Time range selector set to 2022-10-11 00:00:00 ~ 2022-10-11 23:59:59. To the right of these are Reset, Search, and Collapse buttons. The main content area displays a grid of 16 video thumbnails, each representing an alarm capture. The thumbnails are arranged in four rows of four. Each thumbnail includes a play button, file size (e.g., 15.98MB, 63.32MB, etc.), duration (e.g., 00:11, 00:31), and a detailed description below it. The descriptions include alarm types such as 'Not Wearing Seat Belts', 'GPS lost alarm', 'Harsh Left Turn', and 'Rapid Deceleration'. Some descriptions also mention 'No location information'.

- ① Alarm videos and captures are classified into four different upload statuses: completed, in progress, waiting and failed;

The screenshot shows the same FTCloud Evidence Report interface as the previous one, but with a specific detail highlighted. A red box with the number '2' highlights the text 'Not Wearing Seat Belts' located below the first video thumbnail in the grid. This text provides more context about the alarm type captured in that video.

- ② You can click the text below the alarm capture or video to see alarm evidence details.

(Please refer to 2.2.3/3 for function description)

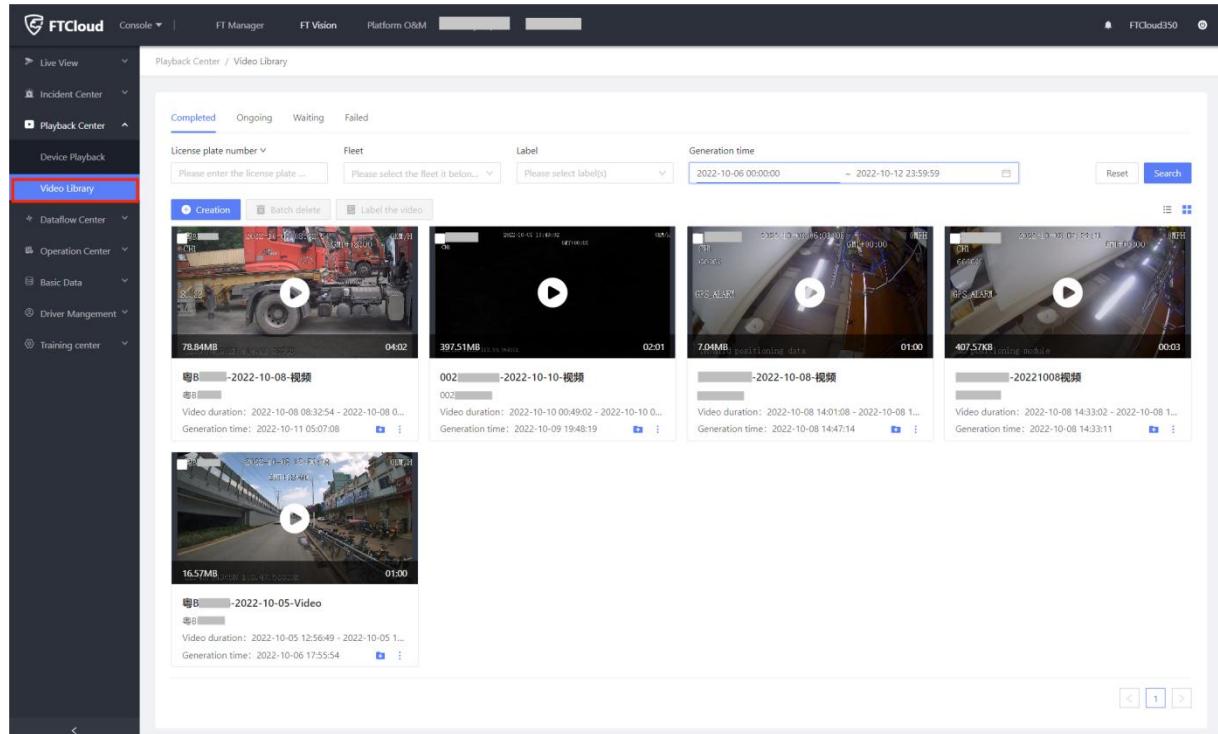
3. Evidence center

The evidence center is mainly used for remote viewing of vehicle history videos and editing of videos. Edited videos can be quickly searched in the video library and applied to your own business. An edited video can be used for driver training on the one hand, and for accident avoidance on the other.

3.1 Device playback

See 1.3.3 for details on functions.

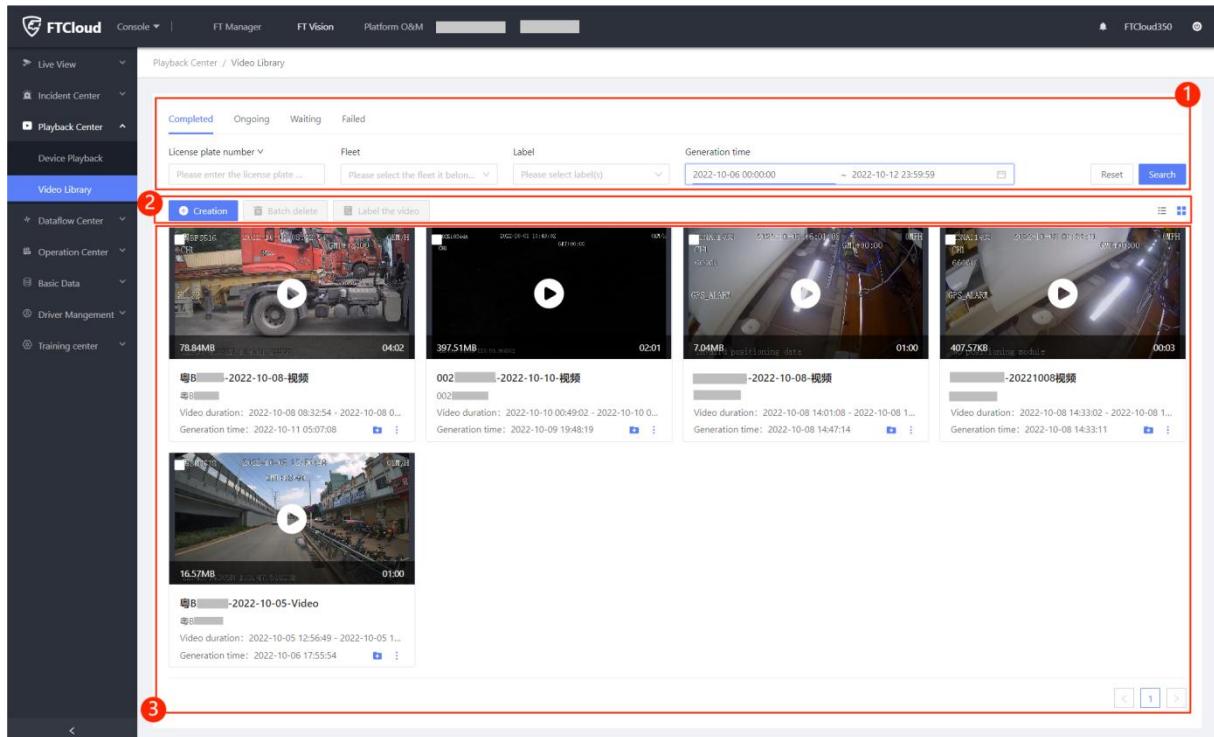
3.2 Video library



Video library is used to store videos that can be requested for downloading manually.

All manually requested videos, edited videos and lively recorded videos are stored in this module.

3.2.1 Module composition



- ① Video search: You can search vehicles, fleets, labels and time to quickly find the desired video and proceed to the next process;
- ② It supports video download task creation, batch deletion, video marking and preview mode selection function;
- ③ Video display in list mode or image mode.

3.2.2 Details

1) Video search

The screenshot shows the FTCloud Video Library interface. On the left is a sidebar with various navigation options: Live View, Incident Center, Playback Center (selected), Device Playback, Video Library (selected), Dataflow Center, Operation Center, Basic Data, Driver Management, and Training center. The main area is titled 'Playback Center / Video Library' and shows a list of completed video clips. The search bar at the top includes fields for 'License plate number', 'Fleet', 'Label', and 'Generation time' (set to 2022-10-06 00:00:00 - 2022-10-12 23:59:59). Below the search bar are tabs for 'Completed', 'Ongoing', 'Waiting', and 'Failed'. The video list displays five entries:

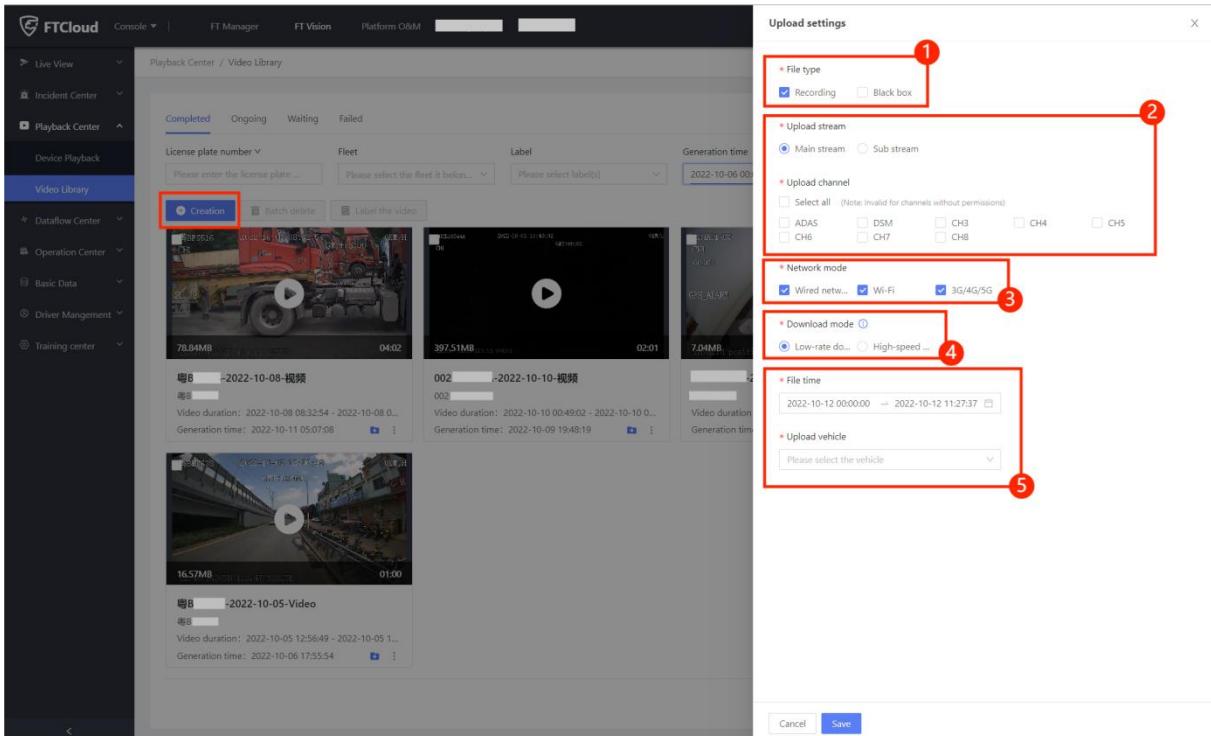
- 粵B - 2022-10-08-視頻 (78.84MB, 04:02)
- 002 - 2022-10-10-視頻 (397.51MB, 02:01)
- 2022-10-08-視頻 (7.04MB, 01:00)
- 20221008視頻 (407.57KB, 00:03)
- 16.57MB - 2022-10-05-Video (16.57MB, 01:00)

Each video entry includes a play button, file size, duration, and generation time information.

There are four ways to search for videos in this module, so that you can find videos quickly when there are too many videos. That is, you can search vehicles, fleets, labels and time to quickly find the desired video and proceed to the next step of the business process. (The time range will be selected as the date of the platform by default)

Click "Reset" to reset the selection, and click "Search" to search.

2) Offline device video request



This function mainly helps to solve the problem that the videos could not be obtained from an offline device for editing; click "Creation" to create a video download task.

- ① After entering the creation page, you can request the video or black box data of a vehicle for a certain period of time according to your actual needs, and both data contents can be checked and downloaded at the same time;
- ② The resolution and channel of the video can also be selected;
- ③ Network mode: To indicate the network state in which the device receiving video download request can perform video download, the conditions include: wired, wireless and WIFI;
- ④ Download mode: To indicate video download mode. At current stage, there are high speed download and low speed download modes. The two modes could determine the speed of uploading the device video to the platform. The platform will notify the device to turn off the camera during high speed download, all the network speed will be used for the platform to upload the video, the camera will work normally after the video

upload is completed;

Scenario 1: the device is online, and 3/20/2022 15:00-16:00 video is booked at 3/20/2022 8:00AM. Then the device will turn off the camera at 16:00 for video upload. If the upload takes 10 minutes, then the device will not record the video from 16:00 to 16:10, and after 16:10, the device will resume the recording;

Scenario 2: The 3/20/2022 15:00-16:00 video is requested at 3/20/2022 18:00 PM, but the current device is not online. Then when the device is online, it will automatically upload video, and the recording function will be disabled in high-speed download mode. In low-speed download mode, the recording function will work normally;

⑤ Selection of file time and uploading vehicle.

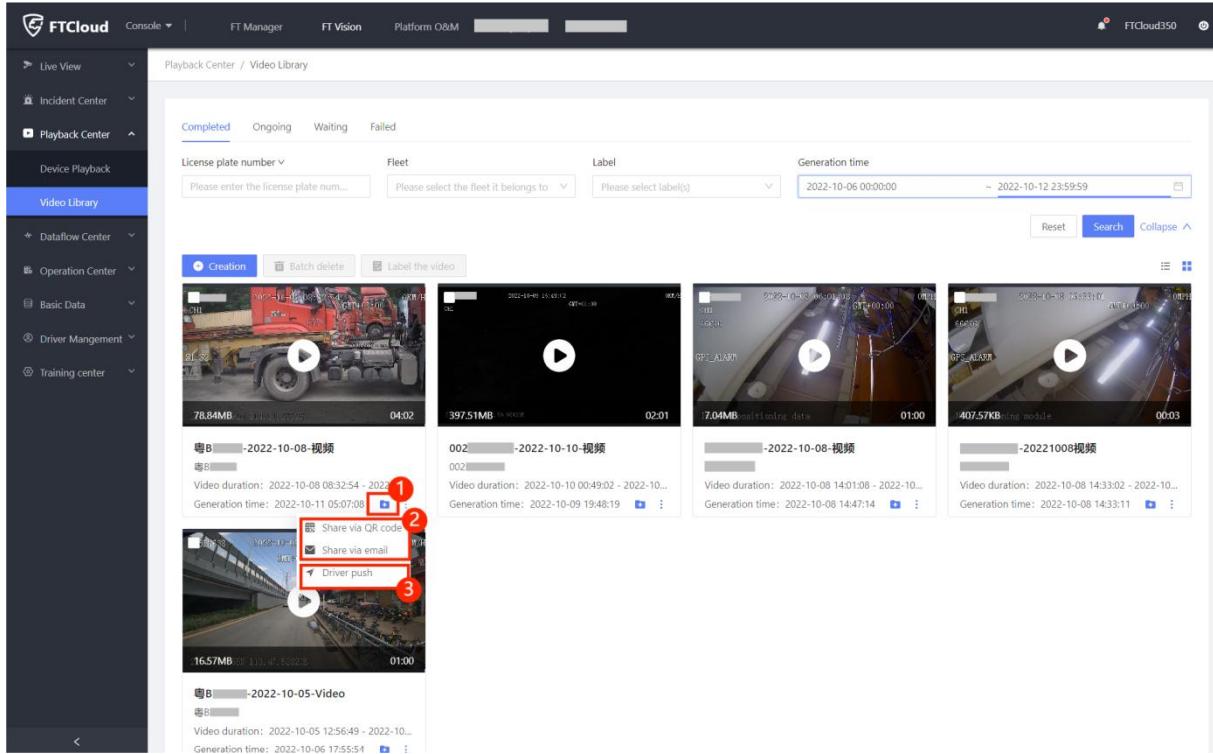
3) Video request status

The screenshot shows the FTCloud Video Library interface. On the left, there's a sidebar with various options like Live View, Incident Center, Playback Center (which is selected), Video Library (selected), Dataflow Center, Operation Center, Basic Data, Driver Management, and Training center. The main area is titled 'Playback Center / Video Library' and shows a grid of video thumbnails. Each thumbnail includes a play button, file size (e.g., 78.84MB, 397.51MB, 7.04MB, 407.57KB), duration (e.g., 04:02, 02:01, 01:00, 00:03), and generation time (e.g., 2022-10-08 08:32:54 - 2022-10-08 09:05:00). Above the grid, there are tabs for 'Completed' (which is highlighted with a red box), Ongoing, Waiting, and Failed. There are also filters for License plate number, Fleet, Label, and Generation time, along with a search bar and reset/collapse buttons.

When manually requesting a video, completing a video edit and requesting a download, the progress and status of the video download will be categorized into four

states: completed, in progress, waiting and failed.

4) Video library subsidiary functions



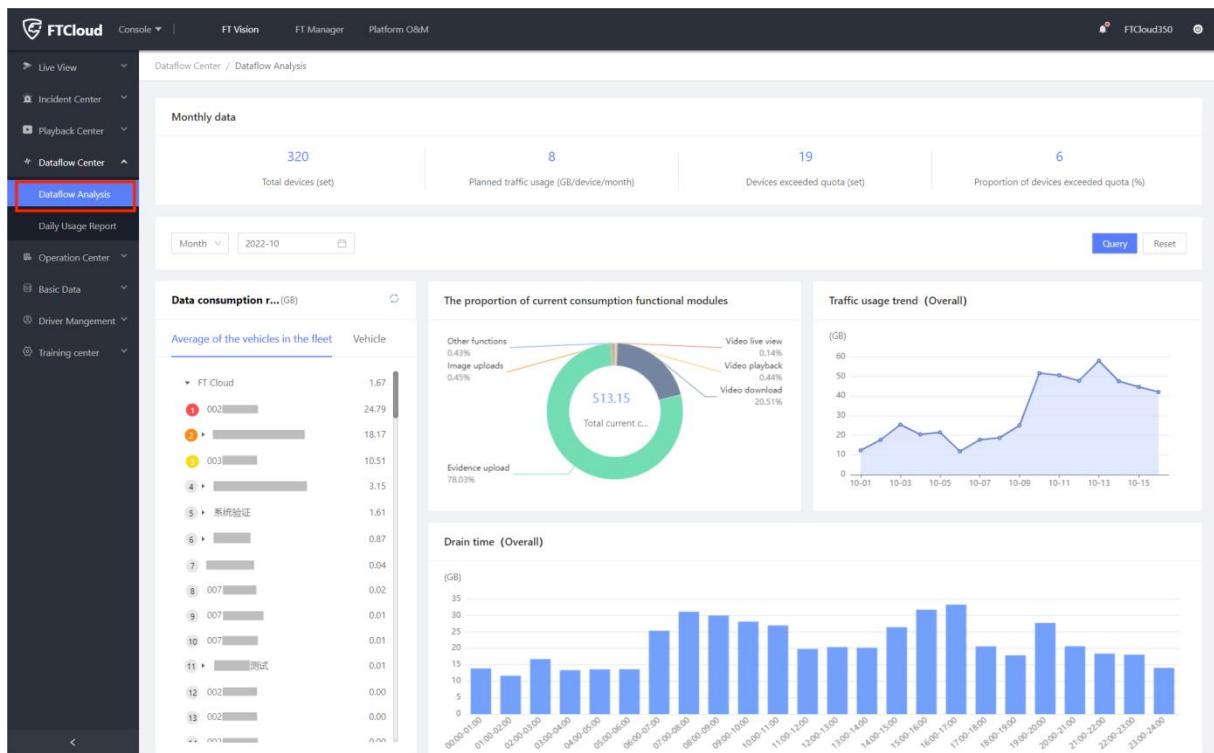
For the uploaded videos, the following functions could be performed:

- ① To download the video to the local device for viewing;
- ② To share the video by email and QR code; (for email sharing, you need to set the email information and template in FT Manager first);
- ③ To use driver push to push the course to drivers.

4. Traffic flow center

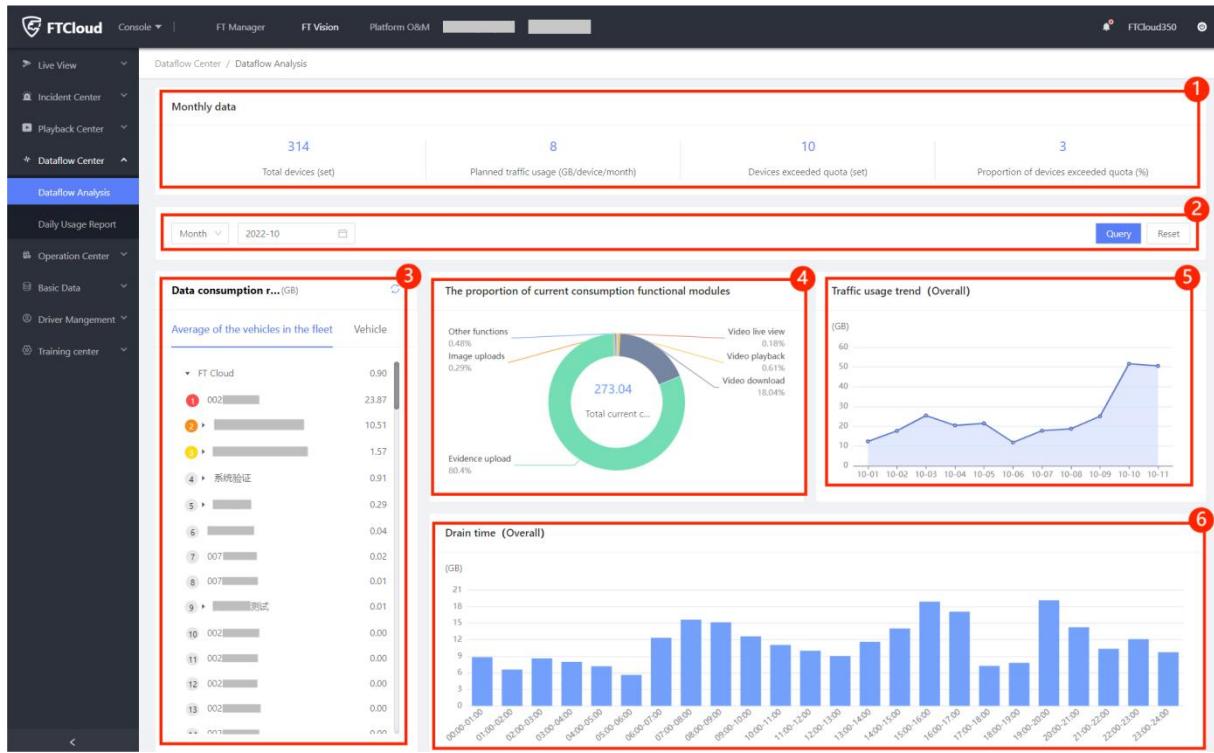
The traffic center can be used to help users monitor the overall traffic of fleet video devices.

4.1 Traffic flow overview



Traffic overview is a module that provides statistical analysis of the traffic of SIM cards used in vehicles. This module can be used to quickly identify the trend and distribution of fleet traffic usage, which helps to quickly identify abnormal traffic devices and control them reasonably.

4.1.1 Module composition

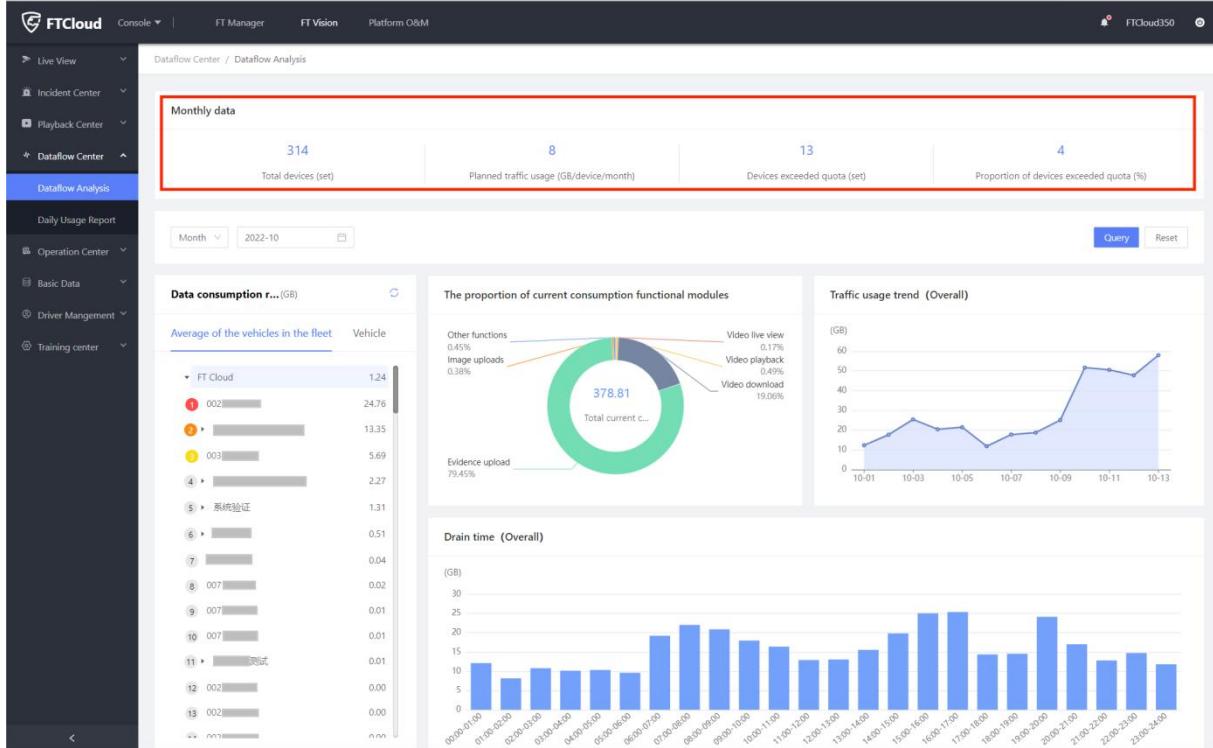


- ① Data scoreboard: To provide overall statistics of traffic usage for the month;
- ② Date selection, search and reset functions;
- ③ Fleet traffic usage ranking;
- ④ Percentage of traffic usage;
- ⑤ Traffic usage trend diagram;
- ⑥ Time distribution of traffic usage.

(Modules are interlinked with each other)

4.1.2 Details

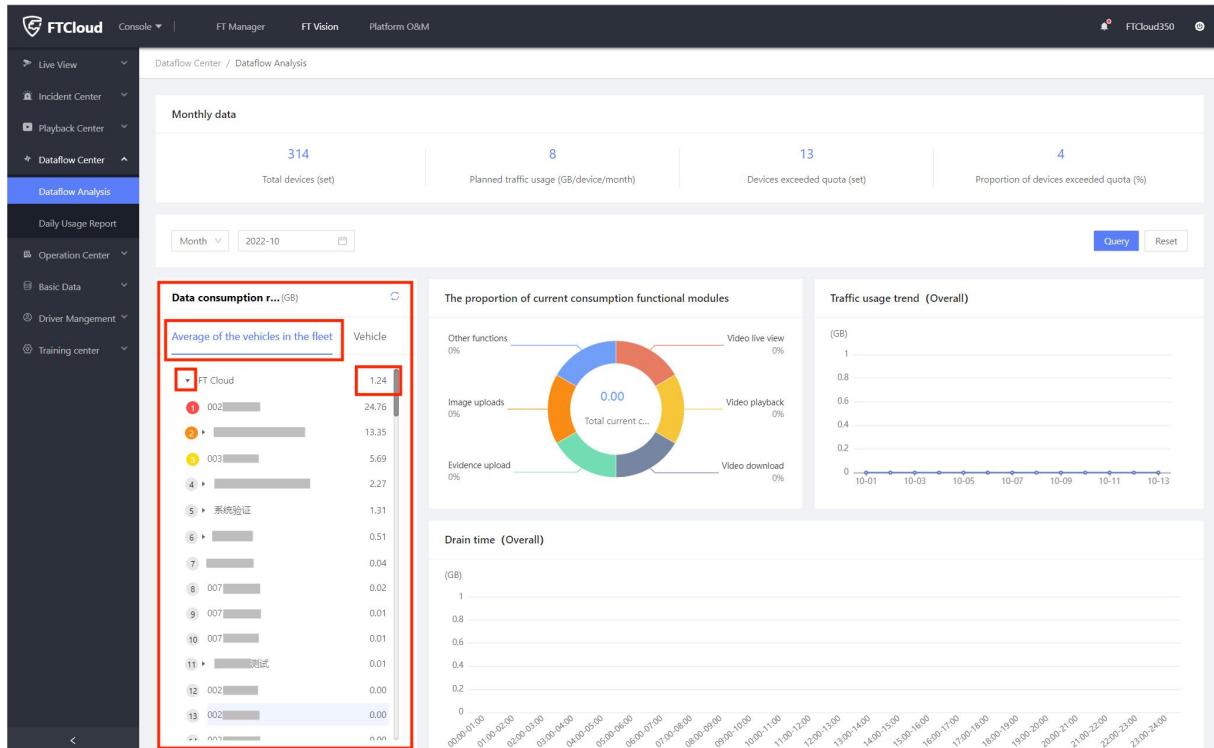
1) Data scoreboard



Data scoreboard is mainly about the overall statistics of traffic usage for this month, and the statistics include: the number of devices, the upper limit of traffic to be used, the number of devices exceeding the upper traffic limit, and the ratio of overflow devices to all devices. (The upper traffic limit shall be configured in "FT Manager/Tenant Center/Tenant Details/Tenant Configuration")

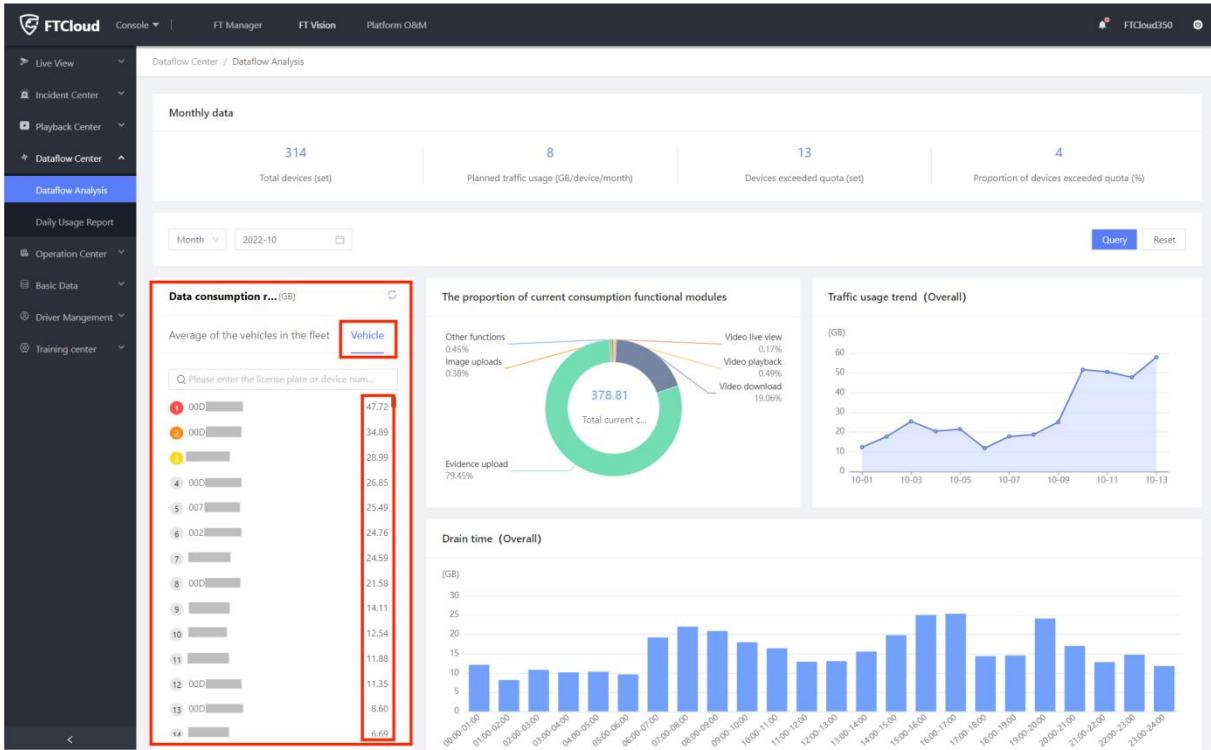
2) Fleet traffic usage ranking

a) Ranking of average fleet traffic usage



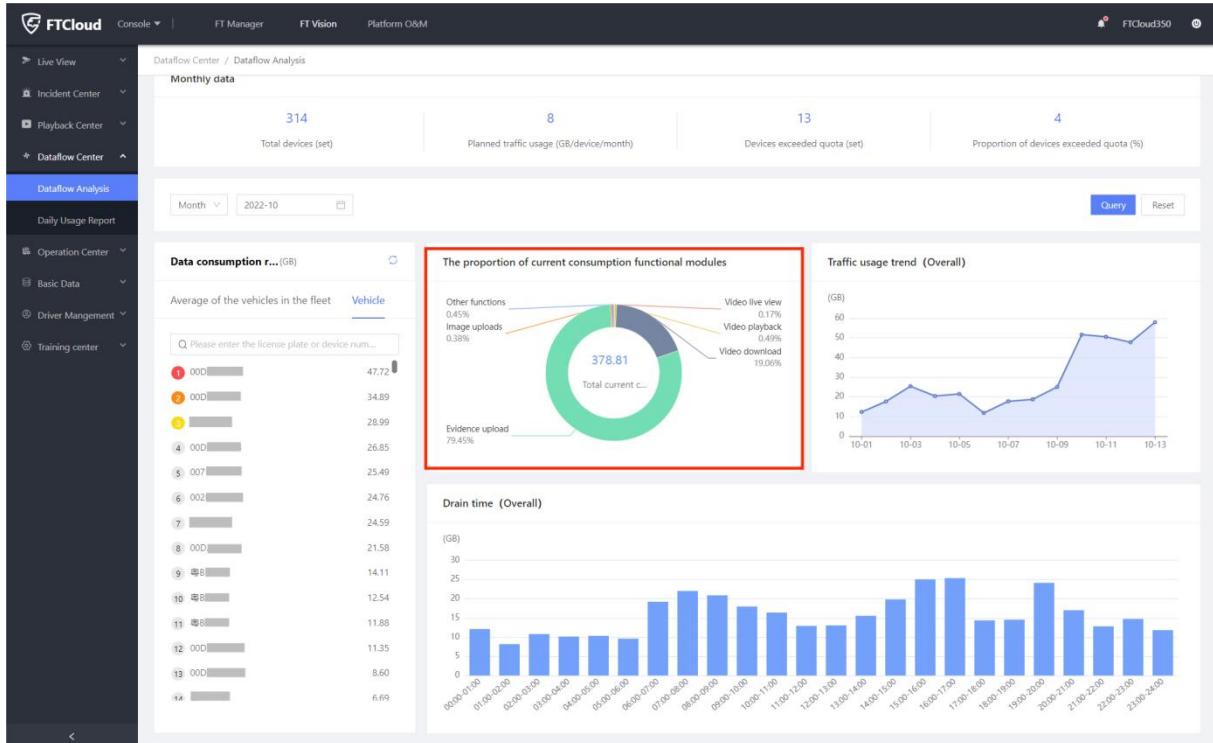
This module is mainly used to rank the average values of vehicle traffic usage. The higher the average value of the fleet indicates the relatively high usage of fleet traffic in that month. In addition, you can also view the total traffic usage. The number to the right of each main fleet and sub-fleet corresponds to the average traffic usage of that fleet, and when you click on the triangle next to the fleet name, you can unfold the total traffic usage of each vehicle in the current fleet for that month.

b) Fleet traffic usage ranking



This module mainly ranks the traffic usage of all vehicles in the fleet. The higher ranking means the more traffic usage of that vehicle; the number on the right of each vehicle is the total traffic used by that vehicle in GB.

3) Percentage of traffic usage

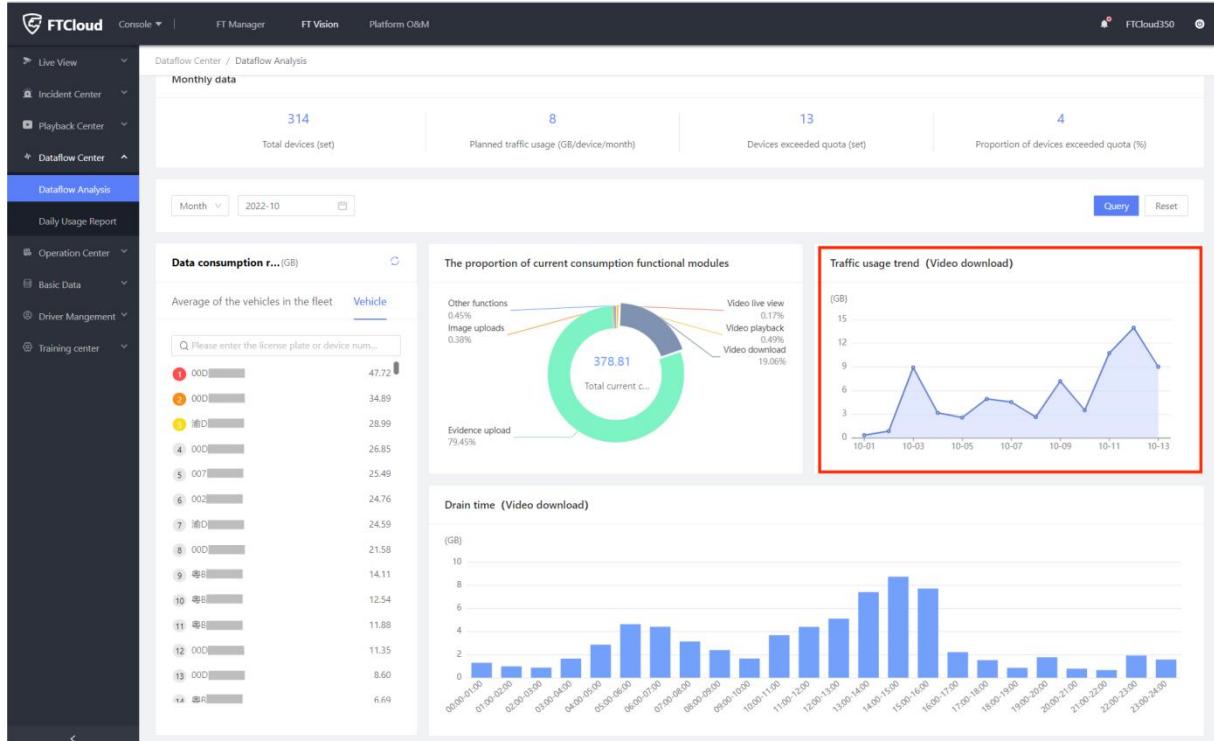


This module allows you to learn about the current distribution of fleet traffic usage types, i.e. through live video, video playback, video download, evidence upload, image upload and other functions.

Linkage display	
<p>You can click to select the type of traffic usage you want to know. The current type will be highlighted, and the traffic usage trend diagram and the traffic</p>	<p>Clicking on the highlighted traffic type again restores the default display, and all the data will be displayed.</p>

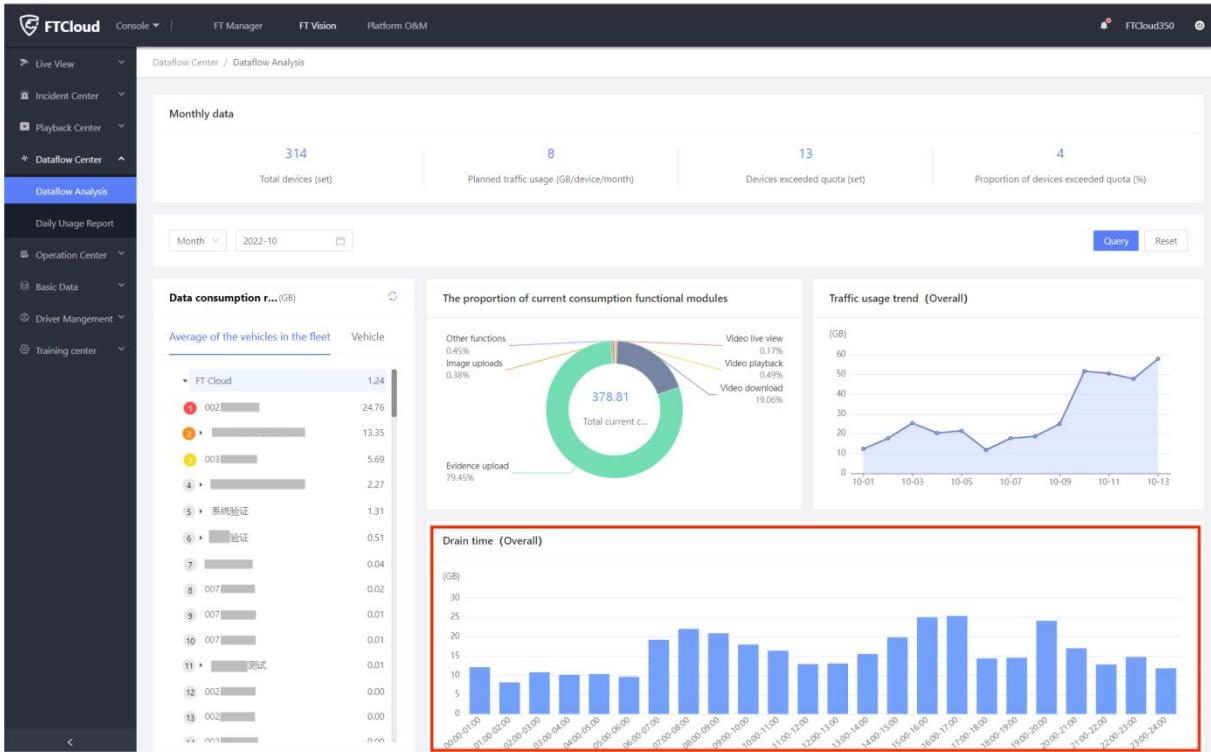
usage time period distribution diagram
will be linked to change.

4) Traffic usage trend diagram



This module mainly shows the overall trend of the daily traffic usage of the fleet. The horizontal axis is the time line, the vertical axis is the total traffic usage. The diagram will change in conjunction with the traffic distribution chart (pie chart).

5) Time distribution of traffic usage



This module mainly displays the current traffic usage of the fleet at different time period of the day. Higher traffic indicates more alarms generated at the current time. (Combined analysis could be conducted with the alarm time period distribution diagram (see 3.1.2/5)))

4.2 Traffic management

The screenshot shows the FTCloud Dataflow Center interface. The left sidebar has a red box around the 'Daily Usage Report' option under the 'Dataflow Center' section. The main content area is titled 'Dataflow Center / Daily Usage Report'. It includes a search bar for 'Please enter group name', a date selector set to '2022-10-13', and buttons for 'Reset' and 'Search'. Below this, there's a summary message: 'Total consumed traffic 57.96 GB'. The main table lists traffic consumption details:

License plate Number	Device Number	Group	Consumed traffic	Date
007	007		12.51GB	2022-10-13
003	003	FT Cloud	5.69GB	2022-10-13
000	000		5.34GB	2022-10-13
000	000		5.11GB	2022-10-13
粤B	003		4.56GB	2022-10-13
渝D	000		3.82GB	2022-10-13
000	000		2.63GB	2022-10-13
渝D	000		2.56GB	2022-10-13
粤B	003		2.20GB	2022-10-13
000	000	车组	1.82GB	2022-10-13
000	000		1.70GB	2022-10-13
渝D	000		1.66GB	2022-10-13
000	000	车组	1.47GB	2022-10-13
000	000	车组	1.46GB	2022-10-13
000	000	车组	1.34GB	2022-10-13

The traffic management module can help users understand the daily traffic usage of each vehicle in each fleet.

4.2.1 Module composition

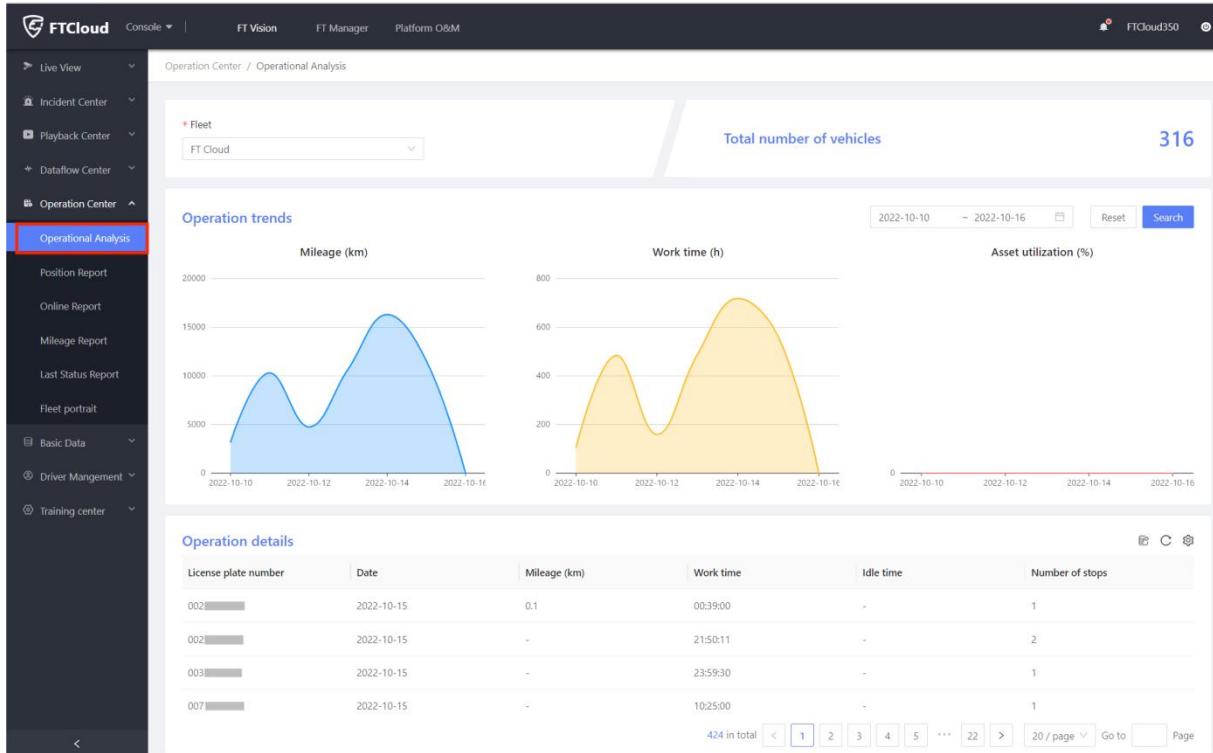
License plate Number	Device Number	Group	Consumed traffic	Date
007	007		12.51GB	2022-10-13
003	003	FT Cloud	5.69GB	2022-10-13
000	000		5.34GB	2022-10-13
000	000		5.11GB	2022-10-13
渝B	003		4.55GB	2022-10-13
渝D	000		3.82GB	2022-10-13
000	000		2.63GB	2022-10-13
渝D	000		2.56GB	2022-10-13
渝B	003		2.20GB	2022-10-13
000	000	车组	1.82GB	2022-10-13
000	000		1.70GB	2022-10-13
渝D	000		1.66GB	2022-10-13
000	000	车组	1.47GB	2022-10-13
000	000	车组	1.46GB	2022-10-13
000	000	车组	1.34GB	2022-10-13

- ① You can find the desired fleet by using the organization tree displayed on the left side of the page, or by doing a fuzzy search through the search field;
- ② You can select a date to search; (the search time can only be limited to the day and a day before that day, and you can not select a time period)
- ③ The daily traffic usage of each vehicle can be displayed.

5. Operation center

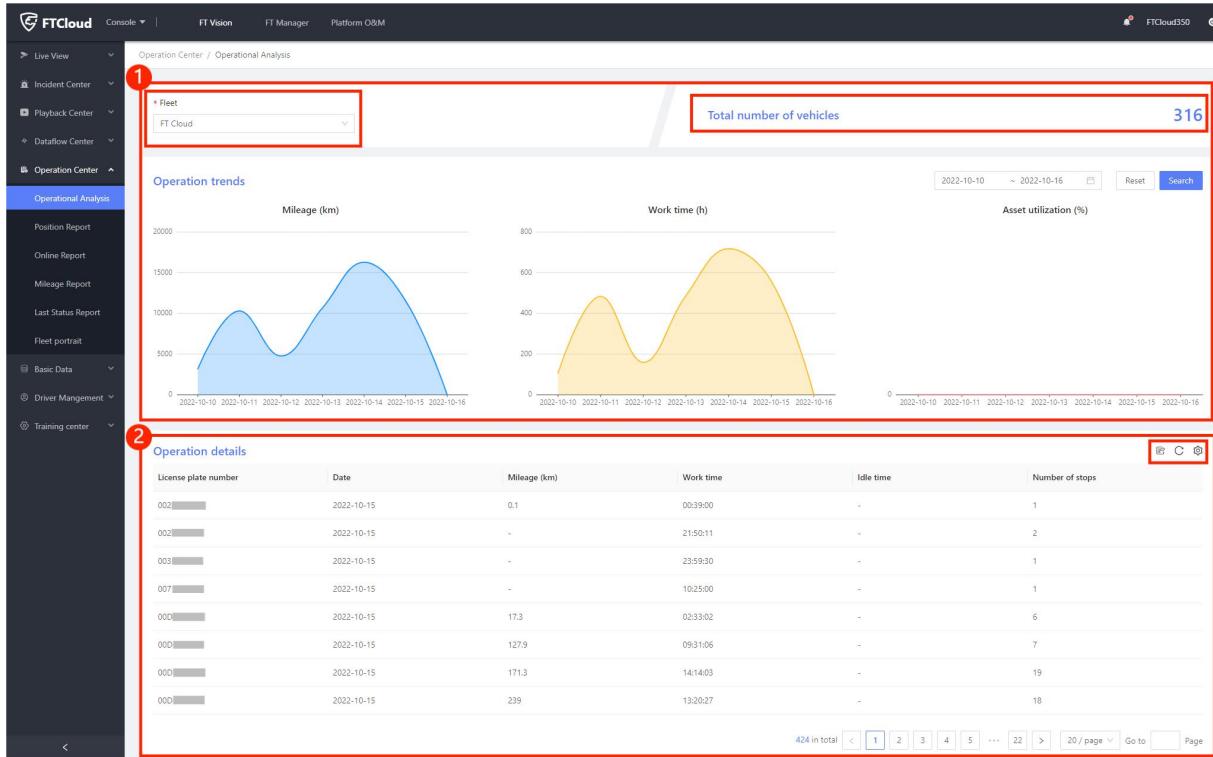
The operation center is mainly used to understand the current fleet operation status. This module shows the fleet operation data through various dimensions, including: positioning information, online rate, mileage, travel time and final status.

5.1. Operational analysis

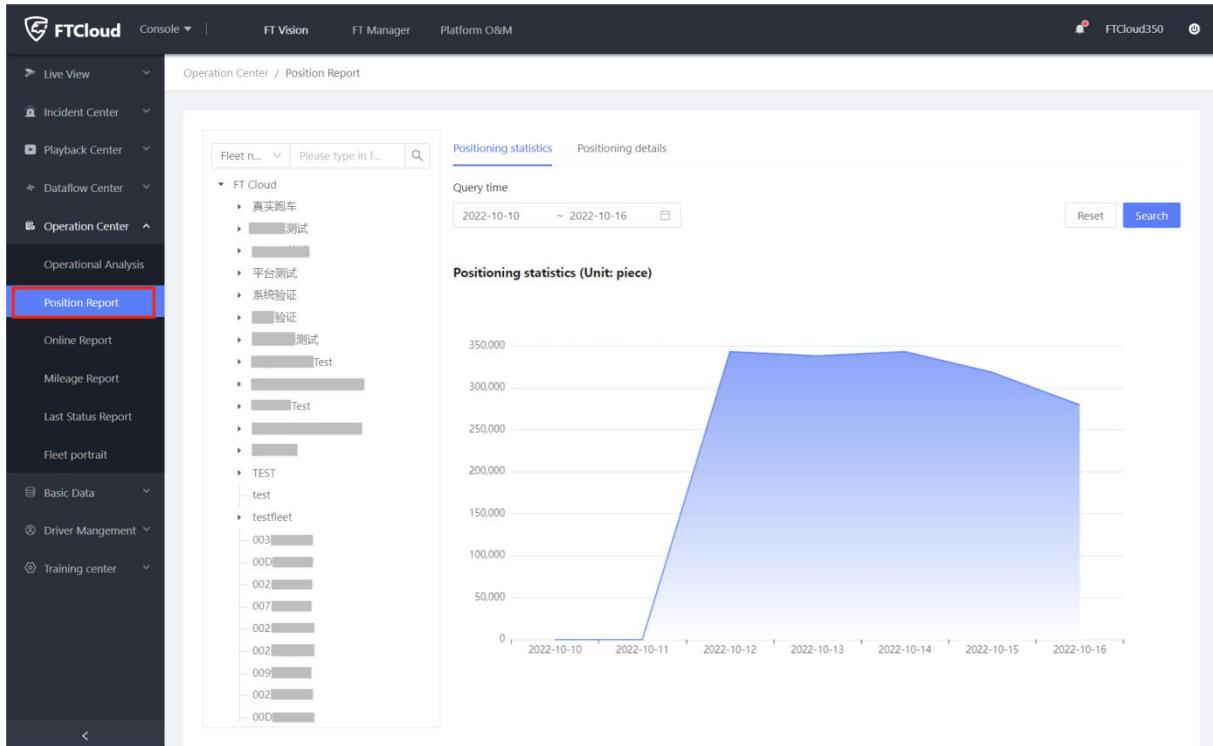


This module could be used for overview and analysis of fleet operations, allowing you to quickly preview operation data for a certain time period and learn about the operations.

5.1.1 Module composition



5.2 Positioning statistics



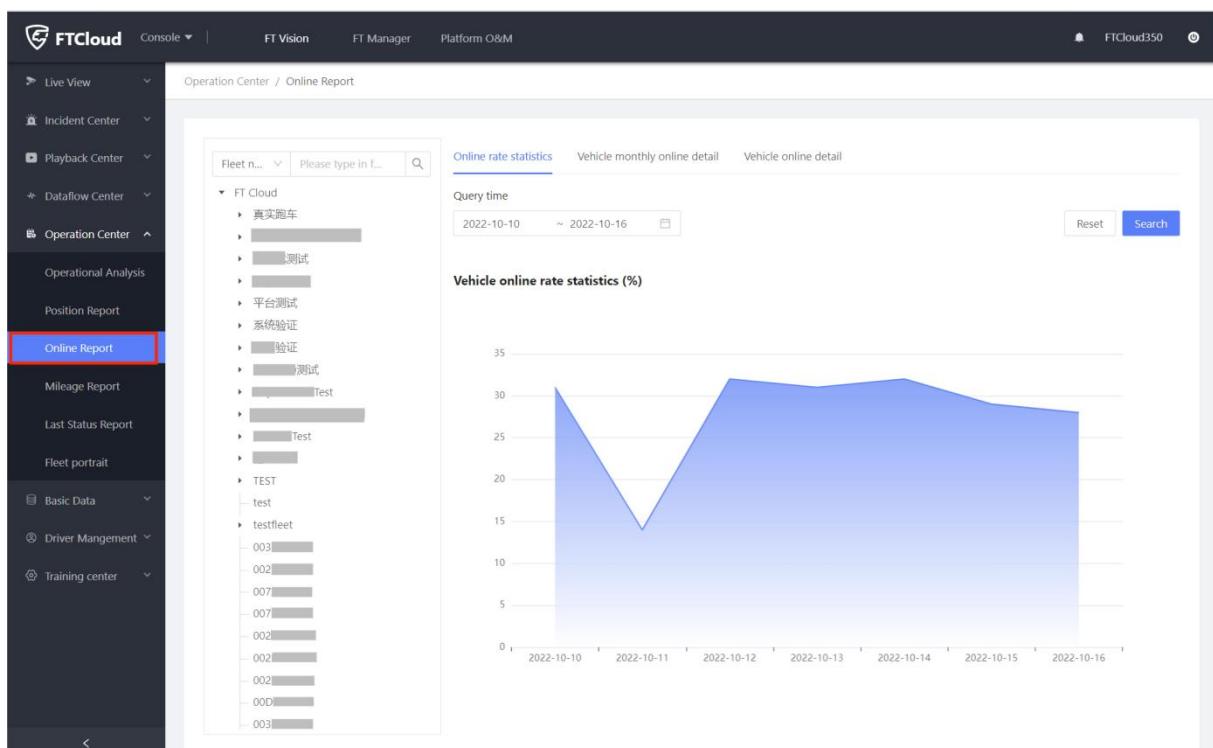
Positioning statistics are mainly used to learn about the GPS status of the fleet.

5.2.1 Module composition

	Positioning statistics	Positioning details
Screen shots		
Common points	<p>① You can search the target fleet or vehicle through the organization tree on the left, or you can do a fuzzy search through the search field</p> <p>② You can choose to view the positioning statistics and details, as well as select the time of the search</p>	

Differences	<p>③ The module is mainly used to count the number of GPS reported by a fleet in a certain time period, and the statistics show trends by dates.</p>	<p>③ You can print or export all GPS points of a vehicle for a certain day or a certain period of time. The search function of this module can only be used to search single vehicle, but not fleet.</p>
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5.3 Vehicle online rate statistics



This module allows you to see the online rate of the devices and also reflects the usage of the devices in vehicles and the driving hours.

5.3.1 Module composition

The screenshot shows the FTCloud Operation Center interface with the 'Online Report' module selected. On the left sidebar, under 'Online Report', there are several options: Mileage Report, Last Status Report, Fleet portrait, Basic Data, Driver Management, and Training center. The main content area displays 'Vehicle online rate statistics (%)' for the period from 2022-10-10 to 2022-10-16. The chart shows a fluctuating blue area representing online rates, with a significant dip around October 11th. At the top of the main area, there is a search bar labeled 'Fleet n...' and 'Please type in f...', and a date range selector set to '2022-10-10 ~ 2022-10-16'. A red box highlights the search bar and date range selector, with a red circle labeled '1' above it. Another red box highlights the chart area, with a red circle labeled '2' above it.

- ① You can search for vehicles or fleets on the left side of the page.
- ② You can select to view the vehicle online statics, monthly online details and online details and select search time;

This screenshot is identical to the one above, but the 'Online rate statistics' tab is now selected at the top of the main content area, indicated by a red box and a red circle labeled '3'. The rest of the interface, including the sidebar and the chart, remains the same.

③ Online rate statistics: To show the vehicle usage of a fleet or a vehicle in a certain period of time; (vehicles online percentage (%)) = number of vehicles online / all vehicles in the fleet)

The screenshot shows the FTCloud interface with the 'Operation Center / Online Report' selected. On the left sidebar, under 'Online Report', 'Vehicle monthly online detail' is highlighted. The main area displays a table titled 'Vehicle monthly online detail' with a query time of '2022-10'. The table has columns for License plate number, Fleet, Vehicle device, and days 1 through 5. The data shows various vehicle entries with their daily online status marked by 'X' or checkmarks.

License plate number	Fleet	Vehicle device	1	2	3	4	5
粤T		007	X	X	X	X	X
粤B		002	X	X	X	✓	✓
007	FT Cloud	007	X	X	X	X	X
粤B		007	✓	✓	✓	✓	✓
渝D		00D	✓	✓	✓	✓	✓
粤B		002	X	X	X	X	X
粤B		007	X	X	X	✓	✓
00D	车组	00D	X	X	X	X	X
003	真实跑车	003	X	X	X	X	X
粤B		007	X	X	X	X	X
渝B		00D	X	X	X	✓	✓

④ Vehicle monthly online detail: To show the daily online situation of each vehicle in the fleet. You can drag the table to view the online situation on different days. "X" means the vehicle is not online on a single day, and "✓" means the vehicle is online on the same day. The search range is month;

The screenshot shows the FTCloud Operation Center interface. The left sidebar has a dark theme with various menu items under 'Operation Center'. The 'Online Report' item is currently selected and highlighted with a blue background. The main content area is titled 'Operation Center / Online Report'. At the top right, there are tabs for 'Online rate statistics', 'Vehicle monthly online detail', and 'Vehicle online detail', with 'Vehicle online detail' being the active tab (indicated by a red box and a red circle with '5'). Below this is a 'Query time' selector set to '2022-10-16 00:00:00 ~ 2022-10-16 23:59:59'. To the right are 'Reset' and 'Search' buttons. The main area contains a table with columns: 'License plate number', 'Fleet', 'Vehicle device', and 'Online duration'. The table lists 16 entries, each with a checkbox next to the license plate number. The last entry is partially cut off. At the bottom of the table are navigation links for page numbers (1-16) and a 'Page' dropdown.

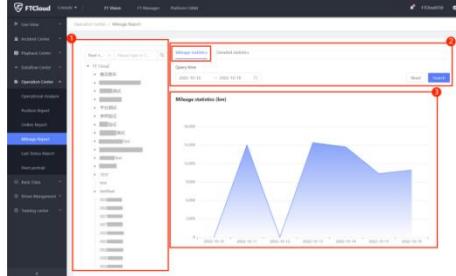
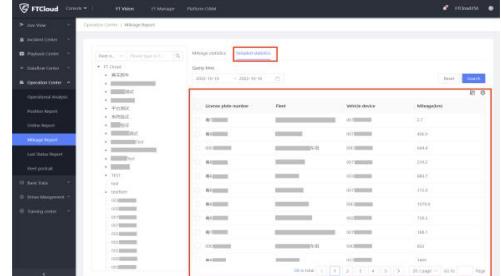
⑤ Vehicle online detail: To display the total online time of a fleet in a certain period of time. You can select the fleet or vehicle you need to view to export data quickly.

5.4 Vehicle mileage statistics

The screenshot shows the FTCloud Operation Center interface. The left sidebar has a dark theme with various menu items under 'Operation Center'. The 'Mileage Report' item is currently selected and highlighted with a blue background. The main content area is titled 'Operation Center / Mileage Report'. At the top right, there are tabs for 'Mileage statistics' and 'Detailed statistics', with 'Mileage statistics' being the active tab. Below this is a 'Query time' selector set to '2022-10-10 ~ 2022-10-16'. To the right are 'Reset' and 'Search' buttons. The main area contains a chart titled 'Mileage statistics (km)'. The chart shows a single data series represented by a blue filled area. The x-axis shows dates from 2022-10-10 to 2022-10-16. The y-axis shows mileage values from 0 to 18,000 km. The chart shows two distinct peaks: one around 15,000 km on October 11 and another around 15,000 km on October 13, with a low point near 0 km on October 12.

This module mainly displays the mileage data of the fleet or vehicles.

5.4.1 Module composition

	Total mileage statistics	Statistics details
Screen shots		
Common points	① You can search by organization tree or search field ② You can choose to view total mileage statistics or statistics details	
Differences	③ This module mainly displays trend diagram showing total mileage of fleet or vehicles	③ This module mainly shows the total mileage of the fleet or vehicles

5.5 Final status statistics

License plate...	Fleet	Driver name	Vehicle dev...	Speed(km/h)	Positioning	Direction	Positioning...
002	FT Cloud	-	002	1	▲	Southwest	2022-05-16 ...
00D	FT Cloud	-	00D	0	▲	North	2022-05-28 ...
003	FT Cloud	-	003	0	▲	North	2022-04-28 ...
007	FT Cloud	-	007	0	▲	North	2000-01-01 ...
00D	FT Cloud	-	00D	0	▲	Southeast	2022-06-06 ...
003	FT Cloud	-	003	0	▲	North	2022-10-17 ...
003	FT Cloud	-	003	0	▲	North	2022-10-12 ...
009	FT Cloud	-	009	0	▲	North	2022-09-07 ...
00D	FT Cloud	-	00D	0	▲	North	2022-06-29 ...
00D	FT Cloud	-	00D	0	▲	North	2022-08-24 ...
007	FT Cloud	-	007	0	▲	North	2022-07-07 ...
002	FT Cloud	-	002	47	▲	Southeast	2022-05-28 ...

97 in total < 1 2 3 4 5 > 20 / page Go to Page

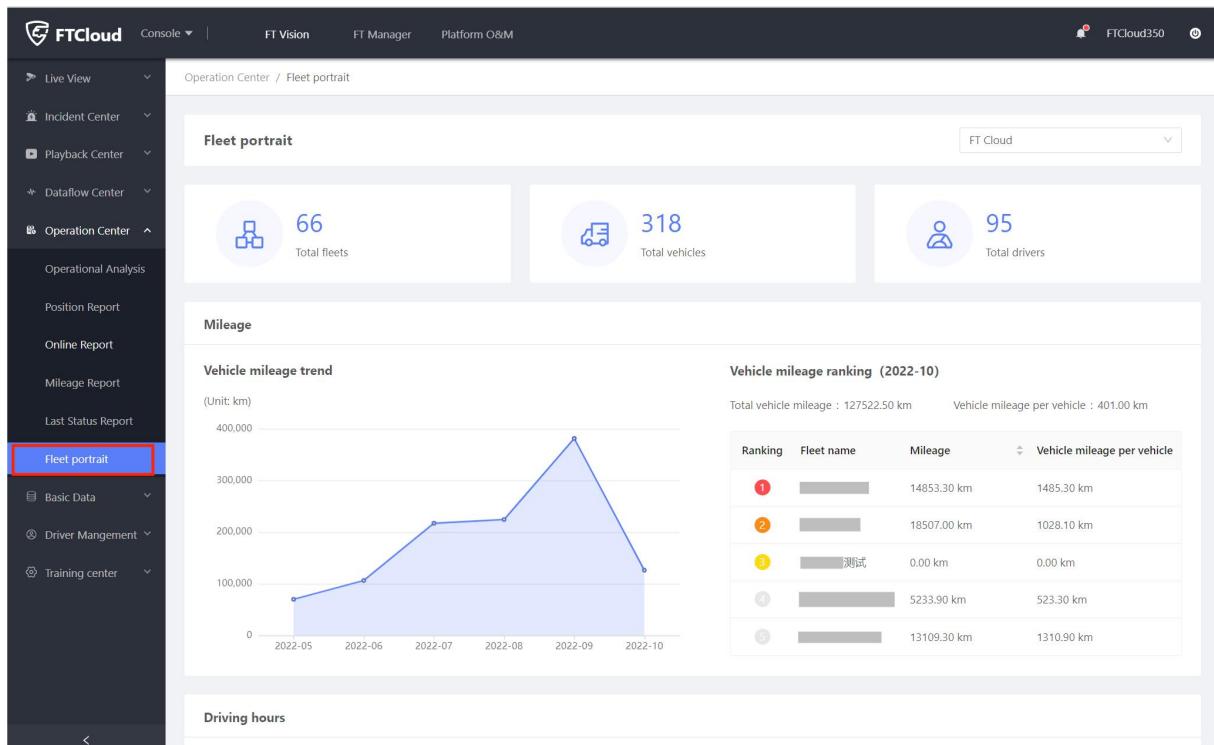
This module mainly displays the final online status and time of the vehicle.

5.5.1 Module composition

	Final GPS status	Last online information
Screen shots		
Common points	<p>① You can search by organization tree or search field (the search scope is limited within the fleet)</p> <p>② You can choose to view the last GPS status or last online information,</p>	

	and carry out such operations as printing, exporting and column setting	
Differences	③ The address, direction and time of the last GPS upload of the device or vehicle are summarized	③ The offline duration of all vehicles or device in the fleet are summarized and the main data are: last online time and offline time of devices or vehicles

5.6 Fleet portrait



It mainly shows the statistics of vehicle mileage, driving hours and average alarm events per unit mileage of the fleet, as well as the ranking of the fleet in each dimension.

5.6.1 Module composition

The screenshot shows the FTCloud Operation Center interface, specifically the Fleet portrait module. The left sidebar contains navigation links for Live View, Incident Center, Playback Center, Dataflow Center, Operation Center (selected), Operational Analysis, Position Report, Online Report, Mileage Report, Last Status Report, Fleet portrait (selected), Basic Data, Driver Management, and Training center.

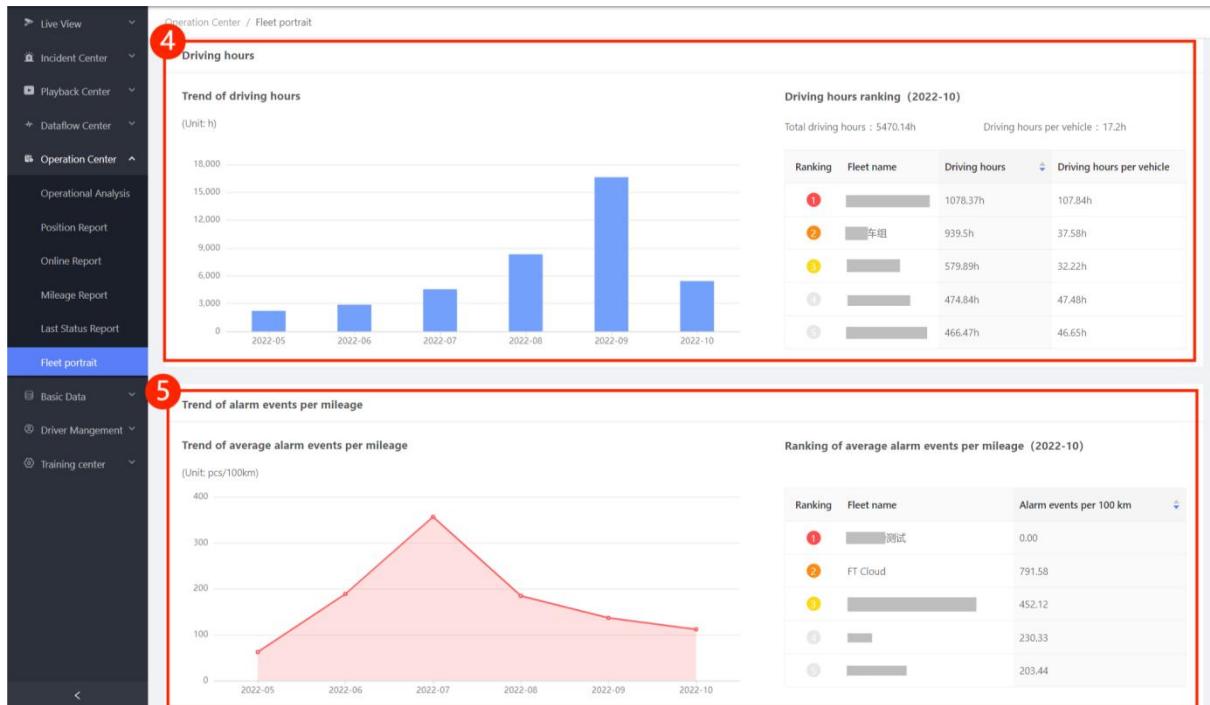
The main content area displays the following information:

- Fleet portrait:** Shows three metrics: Total fleets (66), Total vehicles (318), and Total drivers (95). The "FT Cloud" fleet is selected in the dropdown menu.
- Mileage:** Includes a "Vehicle mileage trend" chart showing mileage from May to October 2022, and a "Vehicle mileage ranking (2022-10)" table.
- Driving hours:** A section at the bottom of the page.

Annotations with red numbers 1, 2, and 3 highlight specific parts of the interface:

- Annotation 1: Points to the "FT Cloud" dropdown in the top right corner.
- Annotation 2: Points to the top row of metrics (Total fleets, Total vehicles, Total drivers).
- Annotation 3: Points to the "Mileage" section, which includes the trend chart and ranking table.

- ① You can choose a fleet on the upper right corner of the page;
- ② The general fleet tree, the total number of vehicles and the total number of drivers are displayed at the top of the page;
- ③ Mileage: To shows the trend diagram of vehicle mileage (km) over time (months), and the mileage ranking of the fleet;



- ④ Driving hours: To display the trend diagram of vehicle driving hours, as well as the ranking of the driving hours of the fleet;
- ⑤ Trend of alarm events per mileage: To show the trend diagram of vehicle unit mileage alarm events, as well as the ranking of fleet.

6. Basic Data

Before FT Vision can be put into operation, a fleet shall be created and vehicles shall be added to the corresponding fleet for subsequent fleet management.

The basic data module is a unified entrance for the management of the above-mentioned data (fleet, vehicles and drivers), with such convenient operations as adding, deleting, editing and regrouping. Each data type is subject to different functional modules, namely fleet management, vehicle management and driver management.

6.1 Fleet management

The screenshot shows the FTCloud console interface with the 'Fleet Management' module selected in the left sidebar. The main area displays a list of fleets with columns for name, address, subordinate fleets, vehicles, and creator. A search bar and add/batch delete buttons are at the top. The sidebar also includes links for Live View, Incident Center, Playback Center, Dataflow Center, Operation Center, Basic Data, and Vehicle Management.

Fleet name	Fleet address	Number of subordinate fl...	Number of vehicles	Created by	Operation
testfleet		0	1	FTCloud350	
test	dartford	0	0	FTCloud350	
TEST		1	4	FTCloud350	
		0	2	FTCloud350	
车组		0	10	FTCloud350	
Test		0	1	FTCloud350	
dadadsa		5	47	FTCloud350	
Test		0	4	FTCloud350	
测试		0	8	FTCloud350	
真实购车		0	3	FTCloud350	
验证		12	55	FTCloud350	
系统验证		9	70	FTCloud350	
平台测试		3	13	FTCloud350	
		5	0	FTCloud350	

You can manage fleets in the fleet management module with the management actions including: quick search, add and delete fleet, quick edit, and quick import and export, etc.

6.1.1 Module composition

The screenshot shows the FTCloud Fleet Management module. On the left, there's a sidebar with a tree view of fleet structures under 'Fleet Management'. The main area is titled 'Basic Data / Fleet Management'. At the top, there's a search bar with a placeholder 'Please type in fleet Name' and buttons for 'Reset' and 'Search'. Below the search bar is a table with columns: 'Fleet name', 'Fleet address', 'Number of subordinate fl...', 'Number of vehicles', 'Created by', and 'Operation'. The table contains 16 rows of fleet data. Red numbers 1 through 4 are overlaid on the interface to highlight specific features: 1 points to the tree view on the left; 2 points to the search bar at the top; 3 points to the 'Add' and 'Batch delete' buttons above the table; 4 points to the table header.

Fleet name	Fleet address	Number of subordinate fl...	Number of vehicles	Created by	Operation
testfleet		0	1	FTCloud350	
test	dartford	0	0	FTCloud350	
TEST		1	4	FTCloud350	
		0	2	FTCloud350	
		0	10	FTCloud350	
Test		0	1	FTCloud350	
测试		0	47	FTCloud350	
真实跑车		0	4	FTCloud350	
验证		12	8	FTCloud350	
系统验证		9	55	FTCloud350	
平台测试		3	70	FTCloud350	
		5	0	FTCloud350	

- ① You can learn about fleets and sub-fleets rapidly through the organization tree on the left, click a fleet to carry out quick search;
- ② You can perform quick search by entering a fleet name in the search field at the top of the page;
- ③ You can add and batch delete fleets, import and export data and set columns;
- ④ The module could display the list of the searched fleets.

6.1.2 Details

1) Quick fleet search

a) Search by catalog

The screenshot shows the FTCloud Fleet Management interface. On the left, there is a sidebar with various navigation options: Live View, Incident Center, Playback Center, Dataflow Center, Operation Center, Basic Data (which is selected), Fleet Management (which is also selected), Vehicle Management, Driver Management, and Training center. The main area is titled 'Basic Data / Fleet Management'. It features a search bar at the top right with 'Fleet name' placeholder and 'Search' button. Below the search bar is a table with columns: 'Fleet name', 'Fleet address', 'Number of subordinate fl...', 'Number of vehicles', 'Created by', and 'Operation'. The table contains 16 rows of fleet data. To the left of the table, there is a tree view labeled 'Fleet Catalog' under 'FT Cloud', showing a hierarchical structure of fleets. A red box highlights this tree view. At the bottom right of the main area, there are pagination controls: '16 in total', page numbers (1, 2, 3, 4, 5), and '20 / page'.

Fleet name	Fleet address	Number of subordinate fl...	Number of vehicles	Created by	Operation
testfleet		0	1	FTCloud350	
test	dartford	0	0	FTCloud350	
TEST		1	4	FTCloud350	
		0	2	FTCloud350	
车组		0	10	FTCloud350	
Test		0	1	FTCloud350	
dadadsa		5	47	FTCloud350	
Test		0	4	FTCloud350	
测试		0	8	FTCloud350	
真实跑车		0	3	FTCloud350	
验证		12	55	FTCloud350	
系统验证		9	70	FTCloud350	
平台测试		3	13	FTCloud350	
		5	0	FTCloud350	

On the fleet catalog on the left side, you can clearly browse the organization tree of the whole fleet and learn about the subordinate relationships between the main fleet and sub-fleets. You can click a fleet to carry out quick search. (When a black arrow appears on the left side of the fleet name, it means that the current fleet has sub-fleets, and you can click the arrow to see the information of its sub-fleets)

b) Search by names

The screenshot shows the FTCloud platform's Fleet Management section. On the left, a sidebar lists various management centers. The main area displays a list of fleets. At the top right of the list, there is a search bar labeled "Fleet name" with a placeholder "Please type in fleet Name". Below the search bar are two buttons: "Add" (highlighted in blue) and "Batch delete". To the right of the search bar are "Reset" and "Search" buttons. The list table has columns for "Fleet name", "Fleet address", "Number of subordinate fl...", "Number of vehicles", "Created by", and "Operation". Each row in the table represents a fleet entry, with a red box highlighting the first row for "testfleet". At the bottom right of the table, there are pagination controls showing "16 in total" and "20 / page".

You can enter the name of a fleet in the input box at the top of the page to quickly search for the fleet. (The search scope of this function is limited to the fleet selected on the left, that is, when the user has selected fleet 1, the search scope is limited to the sub-fleets of the fleet)

2) Function operation

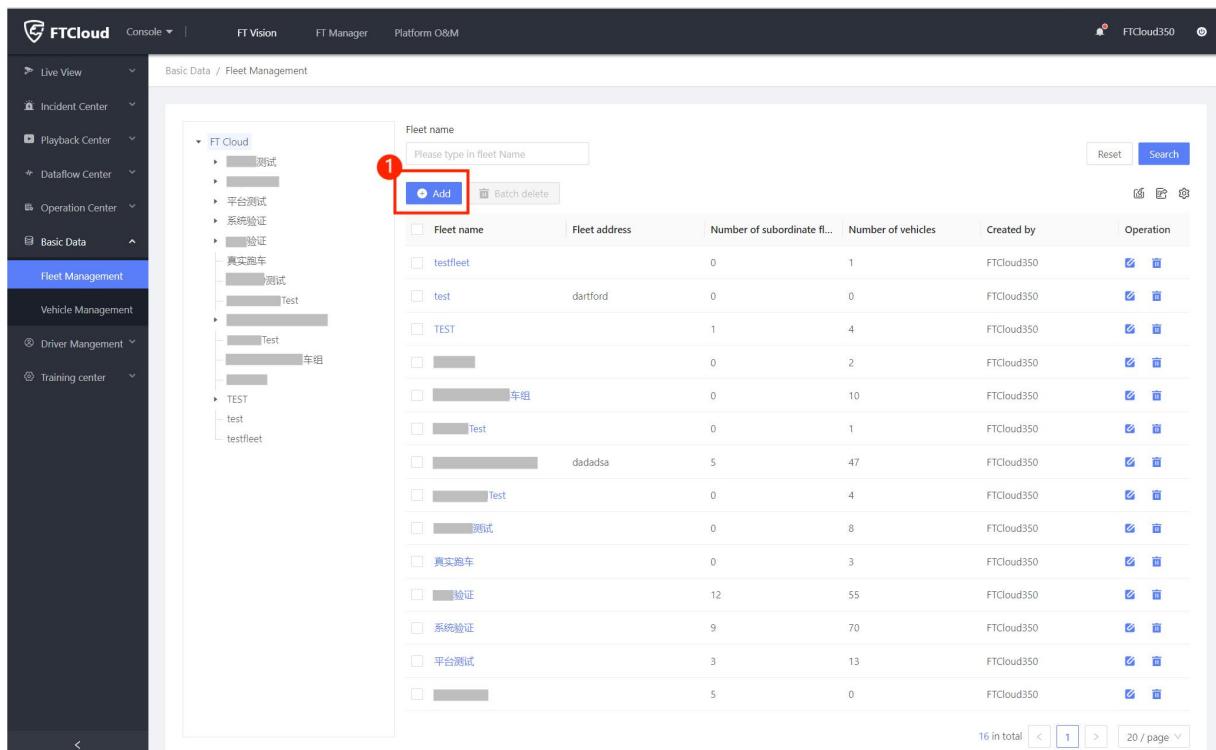
a) Add fleet

This screenshot shows the "Add fleet" dialog box overlaid on the main Fleet Management page. The dialog has a title "Basic Data / Fleet Management - Add fleet". It contains fields for "Fleet name" (with a red asterisk), "Fleet address" (with a red asterisk), and "Notes". There is also a "Cancel" button and a "Save" button. The background of the main page shows a list of existing fleets, with a red box highlighting the "Add" button in the top right corner of the main list area.

① You can click "Add" to add a new fleet. You need to fill in the fleet affiliation, fleet name, fleet address and fleet notes. The items with red asterisk in the upper left corner

are required.

(In the parent home page, you can open the organization tree to preview the current fleet affiliation, and then click Add after selecting the fleet. The upper-level fleet in the current added page will be set to the selected fleet automatically; you can also select the upper-level fleet again according to your actual affiliation)



The screenshot shows the FTCloud console interface with the 'Fleet Management' module selected. On the left sidebar, under 'Basic Data', 'Fleet Management' is highlighted. The main area displays a list of existing fleets with columns for 'Fleet name', 'Fleet address', 'Number of subordinate fl...', 'Number of vehicles', 'Created by', and 'Operation'. An 'Add' button is prominently displayed at the top center of the list area, with a red circle and number '1' indicating it is the next step. A search bar and a 'Batch delete' option are also visible above the list.

② Batch add fleet: This module supports batch import of fleet information. Before importing, you need to export the fleet information in Excel, fill in the information according to the table as needed, and then import the Excel table so as to achieve batch import.

b) Delete fleet

The screenshot shows the FTCloud Fleet Management interface. On the left is a sidebar with various navigation options like Live View, Incident Center, Playback Center, Dataflow Center, Operation Center, Basic Data, Fleet Management (which is selected), Vehicle Management, Driver Management, and Training center. The main area has tabs for Basic Data / Fleet Management, FT Vision, FT Manager, and Platform O&M. The title bar says 'FTCloud' and 'Console'. The main content area shows a list of fleets. At the top right of the list table is a 'Batch delete' button. To its left is an 'Add' button. Below the table are buttons for 'Reset' and 'Search'. The table columns include 'Fleet name', 'Fleet address', 'Number of subordinate fl...', 'Number of vehicles', 'Created by', and 'Operation'. Each row has a checkbox in the first column and a delete icon in the last column. A red box highlights the 'Batch delete' button and another red box highlights the checkbox column.

You can check box in front of a fleet name to select it, and then click "Batch delete" to delete it in batch, or click the delete button on the right side of the fleet list to delete a single fleet. (To delete a fleet, make sure that there is not any matched vehicle in the fleet. If there is, the fleet cannot be deleted)

c) View and edit fleet information

The screenshot shows the FTCloud Fleet Management interface. The sidebar and tabs are the same as in the previous screenshot. The main area shows a list of fleets with a red box highlighting the 'testfleet' entry. To the right, a modal window displays detailed information for 'testfleet'. The modal has tabs for 'Basic Information', 'Vehicle', 'Logistics', and 'Notes'. The 'Basic Information' tab is active, showing fields for 'Fleet name' (testfleet), 'Fleet address' (darford), 'Number of subordinate fl...' (0), 'Number of vehicles' (1), 'Created by' (FTCloud350), and 'Operation'. A red box highlights the 'Basic Information' section. The 'Notes' tab shows a note: 'Created by: Production' and 'Creation time: 2022-10-24 10:05:14'.

① You can click the name of a fleet to view its details;

The screenshot shows two side-by-side views of the FTCloud Fleet Management module. The left view displays a list of existing fleets with columns for 'Fleet name', 'Fleet address', 'Number of subordinate #', and 'Controlled by'. A red circle highlights the 'Edit' button next to one of the fleet entries. The right view is a modal window titled 'Fleet information' for editing a fleet named 'FT Cloud'. It includes fields for 'Upper level fleet' (set to 'FT Cloud'), 'Fleet name' (set to 'FT Cloud'), 'Fleet address' (set to 'Beijing'), and 'Notes' (set to 'Beijing'). A red box surrounds the entire edit form.

② You can edit the information of the current fleet by clicking the edit button on the right side of the fleet list, and the editable information is exactly the same as that when creating a new fleet. You can also adjust the subordination of the current fleet according to your needs.

6.2 Vehicle management

The screenshot shows the FTCloud Vehicle Management module. The left sidebar navigation bar has 'Vehicle Management' selected. The main area displays a table of vehicles with columns: 'License plate number', 'Device number', 'Vehicle status', 'Vehicle type', 'Fleet', and 'Operation'. The table lists multiple vehicles, each with a green status indicator and a blue 'Edit' icon. At the top of the table, there are search fields for 'License plate number', 'Device number', and 'Vehicle status', along with 'Reset' and 'Search' buttons. The bottom of the table shows pagination controls for '318 in total' and 'Page'.

You can manage vehicles in the vehicle management module with the management actions including: quick search, add and delete fleet, quick edit, and quick import and export.

6.2.1 Module composition

The screenshot shows the FTCloud Vehicle Management module. On the left, there is a sidebar with a tree view of the fleet organization. The main area has a search bar for license plate number and device number, and buttons for adding, batch deleting, and batch transferring vehicles. Below that is a table listing vehicles with columns for license plate number, fleet, vehicle type, vehicle status, device number, and operation. The entire sidebar and main content area are highlighted with a large red box.

License plate number	Fleet	Vehicle type	Vehicle status	Device number	Operation
粤T		Other	Enabled	007	<input checked="" type="checkbox"/>
粤T		Other	Enabled	007	<input checked="" type="checkbox"/>
009	FT Cloud	Ordinary Truck	Enabled	009	<input checked="" type="checkbox"/>
粤T		Other	Enabled	007	<input checked="" type="checkbox"/>
粤T	(2.2m)	Other	Enabled	007	<input checked="" type="checkbox"/>
粤T		Other	Enabled	007	<input checked="" type="checkbox"/>
粤T		Other	Enabled	007	<input checked="" type="checkbox"/>
002	FT Cloud	Ordinary Truck	Enabled	002	<input checked="" type="checkbox"/>
粤T		Other	Enabled	007	<input checked="" type="checkbox"/>
006		Heavy Truck	Enabled	006	<input checked="" type="checkbox"/>

- ① The entire fleet organization tree can be clearly viewed through the fleet catalog on the left.
- ② License plate number, device numbers and vehicle status can be searched;
- ③ There are such operations such as add vehicle, batch delete, batch transfer to other fleet, import, export and column setting;
- ④ The module could display the list of the searched vehicles.

6.2.2 Details

1) Quick vehicle search

a) Search by catalog

The screenshot shows the FTCloud Vehicle Management interface. On the left, there is a sidebar with various management options like Live View, Incident Center, Playback Center, Dataflow Center, Operation Center, Basic Data, Fleet Management, Driver Management, and Training center. Under Basic Data, Vehicle Management is selected and highlighted in blue. A red box highlights the 'FT Cloud' section of the fleet catalog, which lists several sub-fleets: '测试', '平台测试', '系统验证', '验证', '真实跑车', 'Test', 'Test', 'TEST', 'test', and 'testfleet'. To the right of the catalog is a search bar with fields for License plate number, Device number, and Vehicle status, along with buttons for Add, Batch delete, and Batch transfer. Below the search bar is a table listing 70 vehicles. The columns include License plate number, Fleet, Vehicle type, Vehicle status, Device number, and Operation. Each row shows a vehicle's details, including its license plate, fleet assignment, type (e.g., Other, Ordinary Truck), status (Enabled or Disabled), device number (e.g., 007), and an operation button.

On the fleet catalog on the left side, you can clearly browse the organization tree of the whole fleet and learn about the subordinate relationships between the main fleet and sub-fleets. You can click a fleet name to see all vehicles in the fleet. (When a black arrow appears on the left side of the fleet name, it means that the current fleet has sub-fleets, and you can click the arrow to see the information of its sub-fleets)

b) Search by license plate number, device number and vehicle status

The screenshot shows the FTCloud platform's Vehicle Management section. On the left, there is a sidebar with various navigation options like Live View, Incident Center, Playback Center, Dataflow Center, Operation Center, Basic Data, Fleet Management, and Vehicle Management (which is currently selected). The main area has a search bar at the top with three input fields: 'License plate number' (placeholder: Please enter the license plate number), 'Device number' (placeholder: Please enter the device number), and 'Vehicle status' (placeholder: Please select status). Below the search bar is a table listing vehicles. The columns are: License plate number, Fleet, Vehicle type, Vehicle status, Device number, and Operation. There are buttons for 'Add', 'Batch delete', and 'Batch transfer'. At the bottom right of the table, there are pagination controls showing 70 in total, page numbers 1-4, and a 'Go to' field.

Three ways can be used to search vehicle information, namely, license plate number, device number and vehicle status. (The search scope of this function is limited to the fleet selected on the left, that is, when the user has selected fleet 1, the search scope is limited to the sub-fleets of the fleet 1)

2) Add, delete and transfer

a) Add vehicle

This screenshot shows the 'Add vehicle' dialog box overlaid on the main vehicle management list. The dialog box is titled 'Vehicle Information' and contains fields for 'License plate number' (placeholder: Please enter the license plate number), 'Fleet' (selected: Fleet 1), 'Vehicle type' (placeholder: Please enter vehicle type), 'Device number' (placeholder: Please enter the device serial number), 'Chassis number' (placeholder: Please enter the chassis number), and 'Vehicle number' (placeholder: Please enter the vehicle number). It also includes a 'Vehicle status' dropdown set to 'Enabled' and a 'Cancel' button.

① You can click "Add" to add a vehicle or device. You need to fill in the vehicle license plate number, its fleet, vehicle type, device number and vehicle number and select

vehicle status. The items with red asterisk at upper left corner are required. (You can match the vehicle type according to the actual loading situation to the vehicle. This information will only be displayed in the vehicle information details, and will not affect the data for the time being)

The screenshot shows the FTCloud platform interface for Vehicle Management. On the left, there's a sidebar with navigation links including Live View, Incident Center, Playback Center, Dataflow Center, Operation Center, Basic Data, Fleet Management, Vehicle Management (which is currently selected), Driver Management, and Training center. The main area is titled 'Basic Data / Vehicle Management'. It features a search bar with fields for 'License plate number', 'Device number', and 'Vehicle status'. Below the search bar is a toolbar with 'Add', 'Batch delete', and 'Batch transfer' buttons. A red box highlights the 'Batch transfer' button. To the right of the toolbar is a table listing 70 vehicles. The columns in the table are: License plate number, Fleet, Vehicle type, Vehicle status, and Device number. Each row contains a checkbox, a license plate number, a fleet name, a vehicle type (e.g., Other, Ordinary Truck), a status indicator (green dot for Enabled), and a device number. A red box also highlights the 'Batch transfer' column header. At the bottom of the table, there are pagination controls (1, 2, 3, 4, >, 20 / page, Go to, Page).

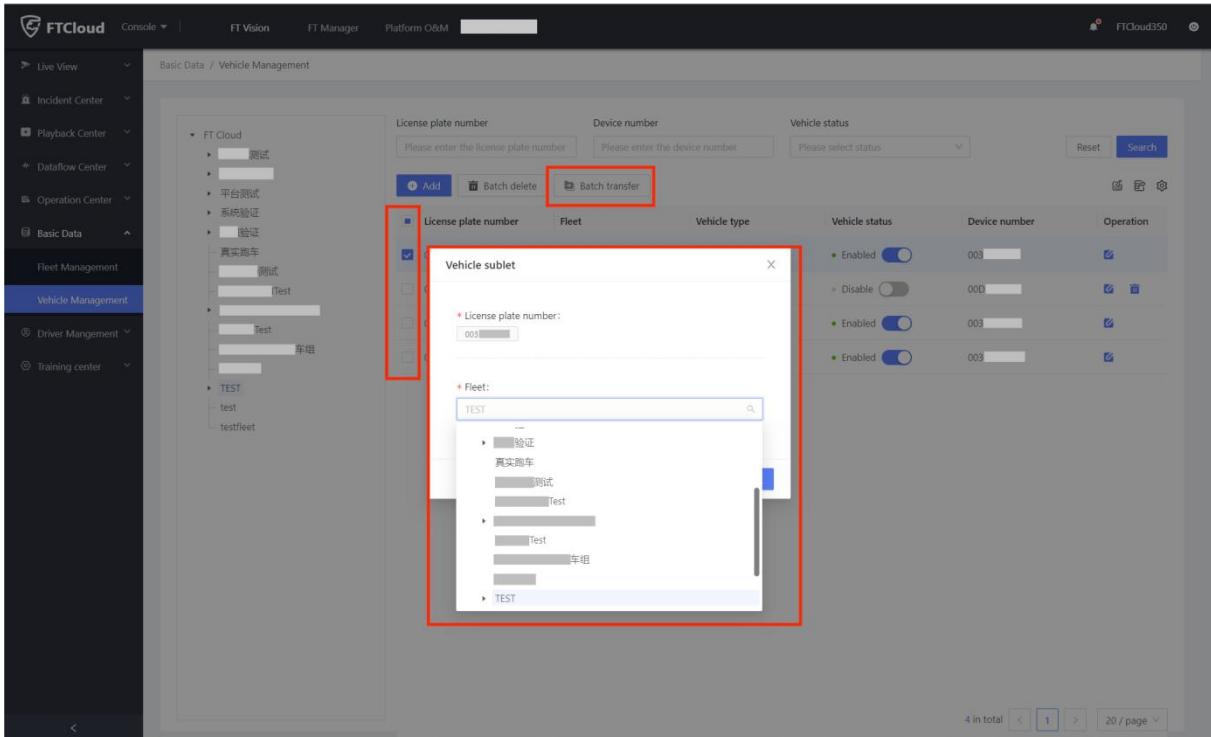
② Batch add fleet: This module supports batch import of vehicle information. Before importing, you need to export the fleet information in Excel, fill in the information according to the table as needed, and then import the Excel table so as to achieve batch import.

b) Delete vehicle

The screenshot shows the FTCloud Vehicle Management interface. On the left, there's a sidebar with various options like Live View, Incident Center, Playback Center, Dataflow Center, Operation Center, Basic Data, Fleet Management (which is selected), Driver Management, and Training center. The main area is titled 'Basic Data / Vehicle Management'. It has search fields for License plate number, Device number, and Vehicle status, along with a 'Reset' and 'Search' button. Below these are buttons for 'Add' (highlighted with a red box and number 2), 'Batch delete' (highlighted with a red box and number 2), and 'Batch transfer'. A table lists vehicles with columns: License plate number, Fleet, Vehicle type, Vehicle status, Device number, and Operation. The first two rows have the 'Vehicle status' set to 'Enabled' (indicated by a green dot). The third row has 'Vehicle status' set to 'Other'. The fourth row has 'Vehicle status' set to 'Enabled'. Each row has a checkbox in the first column and a 'Disable' toggle switch in the fourth column. The fourth row's 'Disable' switch is highlighted with a red box and number 1. To the right of the table, there are three icons: a blue square with a white checkmark, a red square with a white minus sign, and a grey square with a white question mark. The bottom right of the table shows pagination: '4 in total' followed by page numbers 1, 2, and 3.

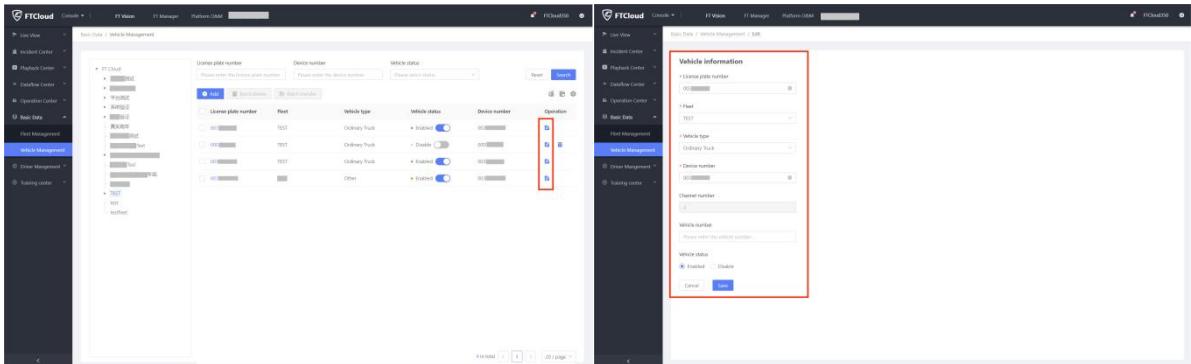
- ① you can delete an individual vehicle, but before deleting it, you have to change the status of the vehicle for enabled to disabled, and only in such case can the vehicle delete option be displayed. When deleting a vehicle, you need to unbind the vehicle from the driver first. If the vehicle is not disabled, the delete icon will not be displayed;
- ② You can delete vehicle in batch. To do so, you need to disable the vehicles, unbind them from their drivers, check all vehicles to be deleted and click batch delete button to delete them.

c) Vehicle transfer



You can click the selection box in front of a vehicle name to select the vehicle to be transferred, and then click "Batch transfer" to transfer the selected vehicles in batch.

3) Edit vehicle information



You can click the edit icon in the vehicle list to edit the information of the current vehicle, and the editable information is exactly the same as when you create a new vehicle. In this page, you can adjust the relationship of the fleet to which the current vehicle belongs according to the actual needs.

7. Driver management

The driver management module allows you to view and edit the driver information and label the driver, and carry out check-in management, face abnormality processing of the driver and other operations, so as to carry out multi-dimensional driver management.

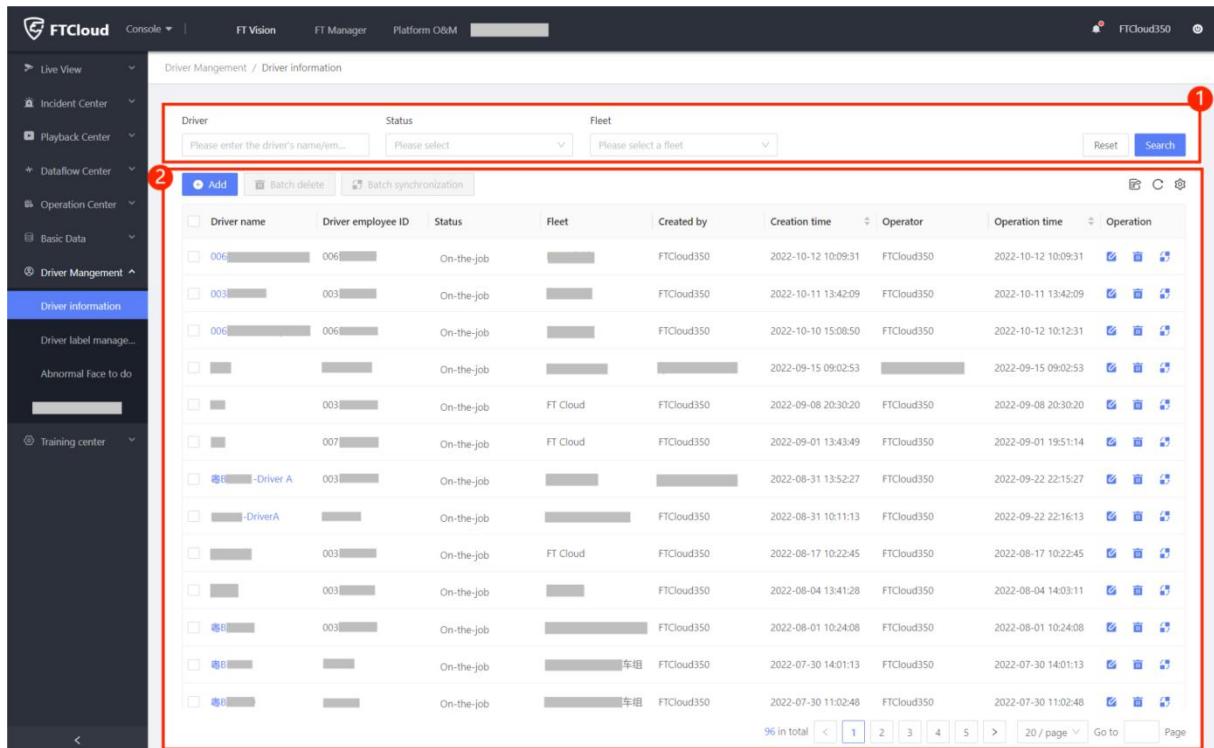
7.1. Driver information

Driver name	Driver employee ID	Status	Fleet	Created by	Creation time	Operator	Operation time	Operation
006	006	On-the-job		FTCloud350	2022-10-12 10:09:31	FTCloud350	2022-10-12 10:09:31	
003	003	On-the-job		FTCloud350	2022-10-11 13:42:09	FTCloud350	2022-10-11 13:42:09	
006	006	On-the-job		FTCloud350	2022-10-10 15:08:50	FTCloud350	2022-10-12 10:12:31	
		On-the-job			2022-09-15 09:02:53		2022-09-15 09:02:53	
	003	On-the-job	FT Cloud	FTCloud350	2022-09-08 20:30:20	FTCloud350	2022-09-08 20:30:20	
	007	On-the-job	FT Cloud	FTCloud350	2022-09-01 13:43:49	FTCloud350	2022-09-01 19:51:14	
Driver A	003	On-the-job			2022-08-31 13:52:27	FTCloud350	2022-09-22 22:15:27	
DriverA		On-the-job		FTCloud350	2022-08-31 10:11:13	FTCloud350	2022-09-22 22:16:13	
	003	On-the-job	FT Cloud	FTCloud350	2022-08-17 10:22:45	FTCloud350	2022-08-17 10:22:45	
	003	On-the-job		FTCloud350	2022-08-04 13:41:28	FTCloud350	2022-08-04 14:03:11	
	003	On-the-job		FTCloud350	2022-08-01 10:24:08	FTCloud350	2022-08-01 10:24:08	
	003	On-the-job		FTCloud350	2022-07-30 14:01:13	FTCloud350	2022-07-30 14:01:13	
	003	On-the-job		FTCloud350	2022-07-30 11:02:48	FTCloud350	2022-07-30 11:02:48	

You can use the driver information module to get a multi-dimensional and comprehensive understanding of a driver, including basic information such as driver name and job number, as well as risk and driving conditions.

7.1.1 Module composition

1) Driver information



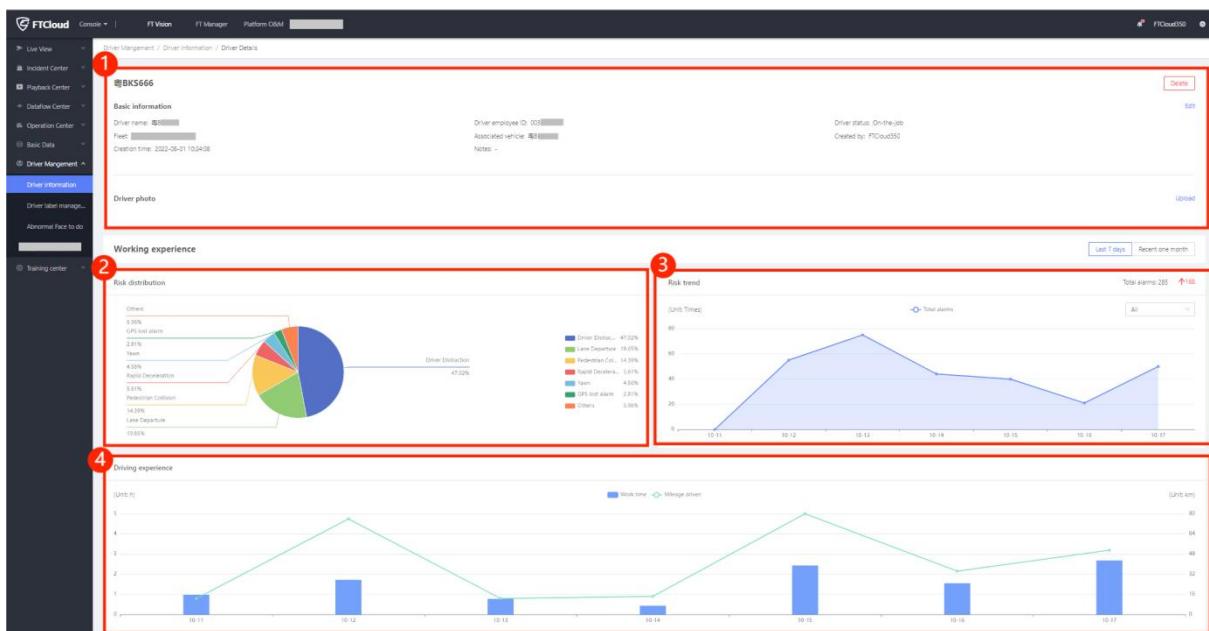
The screenshot shows the FTCloud Driver Management interface. On the left is a sidebar with various navigation options. The 'Driver Management' section is expanded, and 'Driver information' is selected. The main content area is titled 'Driver Management / Driver information'. At the top, there are three search/filter fields: 'Driver' (text input), 'Status' (dropdown), and 'Fleet' (dropdown). Below these are buttons for 'Add' (blue), 'Batch delete' (grey), and 'Batch synchronization' (grey). The main area is a table listing 15 driver records. The columns are: Driver name, Driver employee ID, Status, Fleet, Created by, Creation time, Operator, Operation time, and Operation. Each row includes a checkbox, a preview thumbnail, and a set of icons for more actions. At the bottom of the table, there's a pagination bar showing '96 in total' and a 'Page' dropdown.

Driver name	Driver employee ID	Status	Fleet	Created by	Creation time	Operator	Operation time	Operation
006	006	On-the-job		FTCloud350	2022-10-12 10:09:31	FTCloud350	2022-10-12 10:09:31	
003	003	On-the-job		FTCloud350	2022-10-11 13:42:09	FTCloud350	2022-10-11 13:42:09	
006	006	On-the-job		FTCloud350	2022-10-10 15:08:50	FTCloud350	2022-10-12 10:12:31	
		On-the-job			2022-09-15 09:02:53		2022-09-15 09:02:53	
	003	On-the-job	FT Cloud	FTCloud350	2022-09-08 20:30:20	FTCloud350	2022-09-08 20:30:20	
	007	On-the-job	FT Cloud	FTCloud350	2022-09-01 13:43:49	FTCloud350	2022-09-01 19:51:14	
司机A	003	On-the-job			2022-08-31 13:52:27	FTCloud350	2022-09-22 22:15:27	
司机A		On-the-job		FTCloud350	2022-08-31 10:11:13	FTCloud350	2022-09-22 22:16:13	
	003	On-the-job	FT Cloud	FTCloud350	2022-08-17 10:22:45	FTCloud350	2022-08-17 10:22:45	
	003	On-the-job		FTCloud350	2022-08-04 13:41:28	FTCloud350	2022-08-04 14:03:11	
司机B	003	On-the-job		FTCloud350	2022-08-01 10:24:08	FTCloud350	2022-08-01 10:24:08	
司机B		On-the-job	车组	FTCloud350	2022-07-30 14:01:13	FTCloud350	2022-07-30 14:01:13	
司机B		On-the-job	车组	FTCloud350	2022-07-30 11:02:48	FTCloud350	2022-07-30 11:02:48	

① You can search by driver name, status, and fleet.

② To display the driver information list. You can add and delete drivers, export data, and carry out other operations.

2) Driver details



- ① To display the driver's name, employee ID, fleet and other basic information. When the driver label is enabled, it will also be displayed in this area; (See 7.2 for details of the driver label)
- ② To display the risk distribution of drivers;
- ③ To display the driver's risk trend diagram, i.e., the number of alarms per day;
- ④ To display the driver's driving hours and millage.

7.1.2 Function introduction

1) Driver information

The screenshot shows the FTCloud Driver Management interface. On the left, there's a sidebar with various options like Live View, Incident Center, Playback Center, Dataflow Center, Operation Center, Basic Data, and Driver Management (which is currently selected). The main area is titled 'Driver Management / Driver information'. It has three search filters: 'Driver' (text input), 'Status' (dropdown), and 'Fleet' (dropdown). Below these are buttons for 'Add' (blue), 'Batch delete' (grey), and 'Batch synchronization' (grey). A table lists driver details with columns: Driver name, Driver emplo..., Status, Fleet, Created by, Creation ti..., Operator, Operation ti..., and Operation. The first column has checkboxes. The right side of each row has three function buttons. At the bottom, it shows '94 in total' and a page navigation bar with buttons for 1, 2, 3, 4, 5, >, 20 / page, Go to, and Page.

① You can search the information of a driver by name, work number, status (on the job/resigned) and fleet;

② Such functions as add driver, batch delete, data export, refresh and column setting are supported;

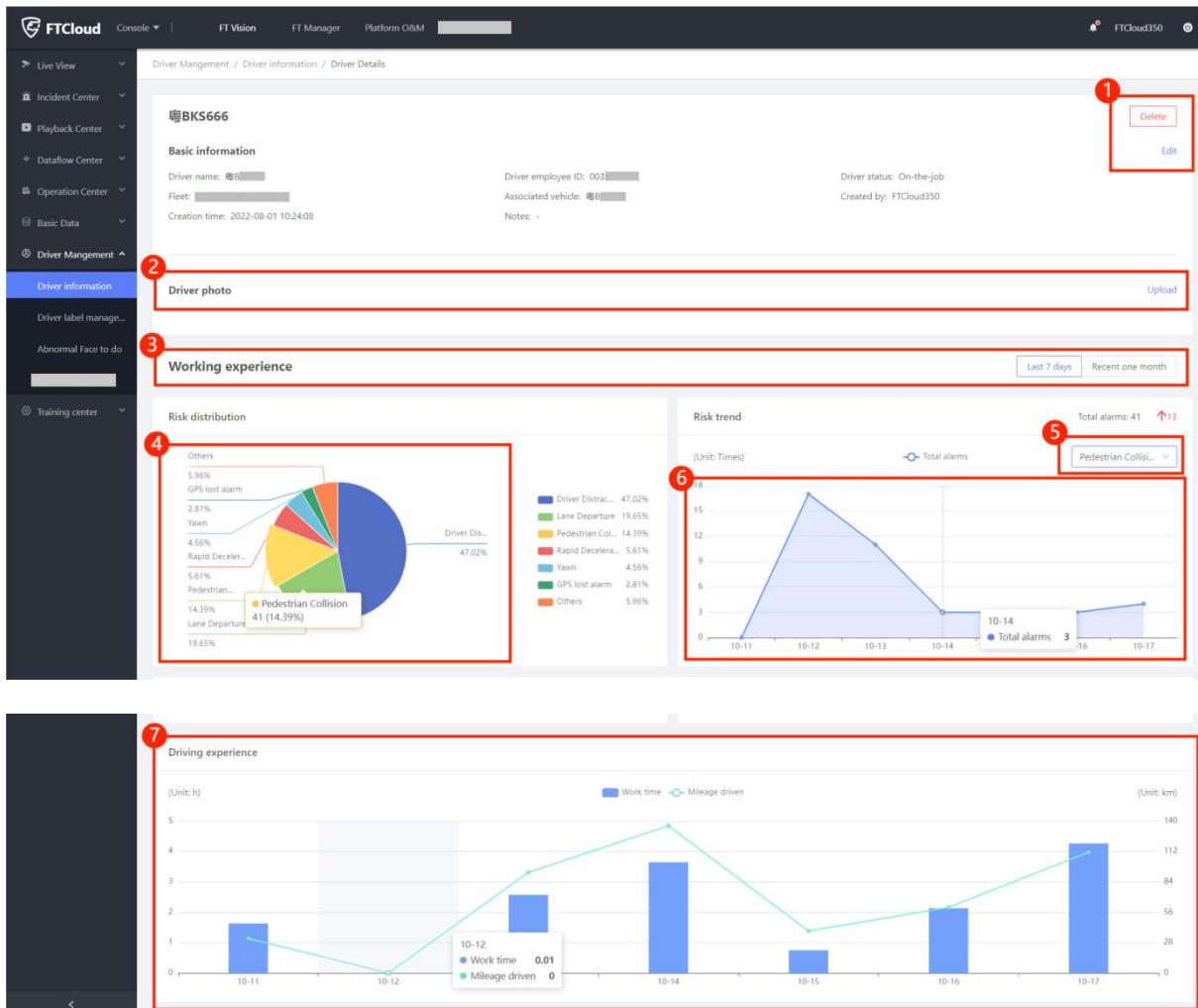
③ You can complete the editing and deleting operation of individual driver's information through the function buttons on the right side of the list;

④ At the lower right corner of the page, you can select or jump to any page;

⑤ Click the driver's name to open the driver details page.

- ① You can search the information of a driver by name, work number, status (on the job/resigned) and fleet;
- ② Such functions as add driver, batch delete, data export, refresh and column setting are supported;
- ③ You can complete the editing and deleting operation of individual driver's information through the function buttons on the right side of the list;
- ④ At the lower right corner of the page, you can select or jump to any page;
- ⑤ Click the driver's name to open the driver details page.

2) Driver details



- ① You can delete a driver and edit driver information here;
- ② You can click "Upload" to upload driver's photo;
- ③ You can choose to see the work overview for the last seven days or the last month, and after choosing, the risk distribution, risk trends and driving overview will change in conjunction;
- ④ You can click on the color area corresponding to each type of risk in the risk distribution pie chart to link to the risk trend chart, and move the mouse cursor over it to display the corresponding risk type and the number of alarms;
- ⑤ You can select the type of risk to be displayed in the selection box in the risk trends module;

⑥ The risk trend diagram can be linked with the selection of the risk type, and you can move the mouse cursor over it to display the number of alarms for the corresponding date;

⑦ The driver experience displays driving hours and mileage trend diagrams, which are linked with the selected time period (seven days or one month), and you can move the mouse cursor over it to display driving hours and mileage for the corresponding date.

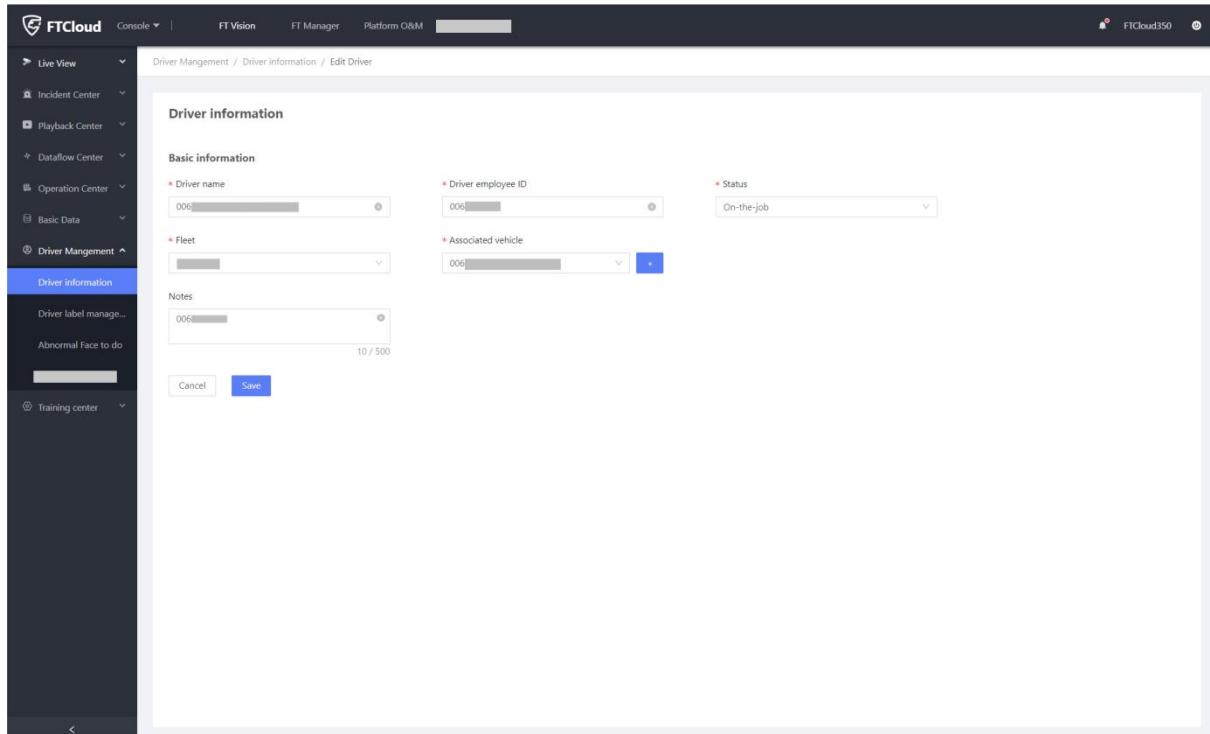
7.1.3 Details

1) Add driver

The screenshot shows the FTCloud Driver Management interface. On the left is a sidebar with various menu items like Live View, Incident Center, Playback Center, Dataflow Center, Operation Center, Basic Data, Driver Management (which is selected and highlighted in blue), Driver label management, Abnormal Face to do, and Training center. The main content area is titled 'Driver Management / Driver information / Add Driver'. It has two sections: 'Driver information' and 'Driver photo'. The 'Driver information' section contains fields for Driver name, Driver employee ID, Status, Fleet, Associated vehicle, and Notes (with a character limit of 500). The 'Driver photo' section has a button to upload photos. At the bottom, there are 'Cancel' and 'Save' buttons. A note at the bottom of the page specifies file types (jpg/png), size (300x300), and orientation (front face, even illumination).

Click "Add" to enter the add driver page. You need to enter the new driver's name, work number, status, fleet, associated vehicle and description, and upload driver photo. The items marked with red asterisks are required.

2) Edit driver information



You can open the driver information edit page by clicking driver information or the edit button on the driver details page. The driver information edit page is basically same as the add driver page, but the driver photos could not be uploaded on the edit page.

3) Batch processing

The screenshot shows the FTCloud interface for Driver Management. On the left, there's a sidebar with various menu items like Live View, Incident Center, Playback Center, Dataflow Center, Operation Center, Basic Data, Driver Management (which is selected and highlighted in blue), Driver label management, Abnormal Face to do, and Training center. The main content area is titled "Driver Management / Driver information". It has three search/filter fields: "Driver" (with placeholder "Please enter the driver's name/..."), "Status" (with placeholder "Please select"), and "Fleet" (with placeholder "Please select a fleet"). Below these are buttons for "Add", "Batch delete" (which is highlighted with a red box), and "Batch synchronization". The main table lists drivers with columns: Driver name, Driver employ..., Status, Fleet, Created by, Creation ti..., Operator, Operation ti..., and Operation. Several rows have checkboxes in the first column, and the second column shows driver IDs (e.g., 006, 003, 006, 003, 003, 007, 003, DriverA, 003). The table includes pagination at the bottom with links for 1, 2, 3, 4, 5, >, and a "Go to" input field for page numbers.

Check the boxes before the names of the drivers to be processed in batch and then click “Batch delete” to delete them in batch.

7.2. Driver label management

The screenshot shows the FTCloud Driver Management interface. On the left, there is a navigation sidebar with various options like Live View, Incident Center, Playback Center, Dataflow Center, Operation Center, Basic Data, Driver Management (with sub-options like Driver label management), Abnormal Face to do, and Training center. The 'Driver label management' option is highlighted with a red box. The main content area is titled 'Driver Management / Driver label management'. It displays a table with three rows of driver labels:

Label name	Label type	Status	Creation time	Create account	Operation
Speeding	Risk label	Off	2022-06-20 10:28:34	System pre-conf...	
Distracted driving	Risk label	Off	2022-06-20 10:28:34	System pre-conf...	
Fatigue driving	Risk label	Off	2022-06-20 10:28:34	System pre-conf...	

At the bottom right of the table, it says '3 in total' with navigation buttons (< >) and '20 / page'.

This module is mainly used to label drivers and facilitate the management of drivers based on labels; and driver labels can be viewed on the driver details page. (See 7.1.1/2) for driver details)

7.2.1 Module composition

The screenshot shows the FTCloud interface with the 'Driver Mangement / Driver label management' page selected. A red box highlights the table area. The table has columns for Label name, Label type, Status, Creation time, Create account, and Operation. Three entries are listed: Speeding (Risk label, status off), Distracted driving (Risk label, status off), and Fatigue driving (Risk label, status off). At the bottom right of the table are pagination controls: '3 in total', page number '1', and '20 / page'.

Label name	Label type	Status	Creation time	Create account	Operation
Speeding	Risk label	OFF	2022-06-20 10:28:34	System pre-conf...	<input checked="" type="checkbox"/>
Distracted driving	Risk label	OFF	2022-06-20 10:28:34	System pre-conf...	<input checked="" type="checkbox"/>
Fatigue driving	Risk label	OFF	2022-06-20 10:28:34	System pre-conf...	<input checked="" type="checkbox"/>

To display the names, types and status of labels.

7.2.2 Function introduction

The screenshot shows the same page as above, but with three numbered callouts (1, 2, 3) pointing to specific elements in the table header and body. Callout 1 points to the 'Status' column header. Callout 2 points to the 'Label name' column header. Callout 3 points to the 'Operation' column header. The rest of the page is identical to the first screenshot.

- ① You can choose to enable or disable the label;
- ② Click the label name to open the label details page;
- ③ Click the edit button to open the label edit page.

7.2.3 Details

Driver Mangement / Driver label management / Driver label details

Speeding

Labeling rules

* Specified alarm type: Speed limit sign alarm Speeding Alarm

Number of the specified alarms triggered exceeds alarms/12 consecutive hours,Mark the label for the driver

The valid period of the label is Day(s),The label is automatically canceled if the duration expires

Edit

- ① You can click the label name to enter the label details page to view the label information; if you need to edit the label information, you can click the "Edit" button in the upper right corner of the details page;

Label name	Label type	Status	Creation time	Create account
Speeding	Risk label	<input type="checkbox"/>	2022-06-20 10:26:34	System pre-creat...
Risk label	Risk label	<input type="checkbox"/>	2022-06-20 10:26:34	System pre-creat...
Violate driving	Violate label	<input type="checkbox"/>	2022-06-20 10:26:34	System pre-creat...

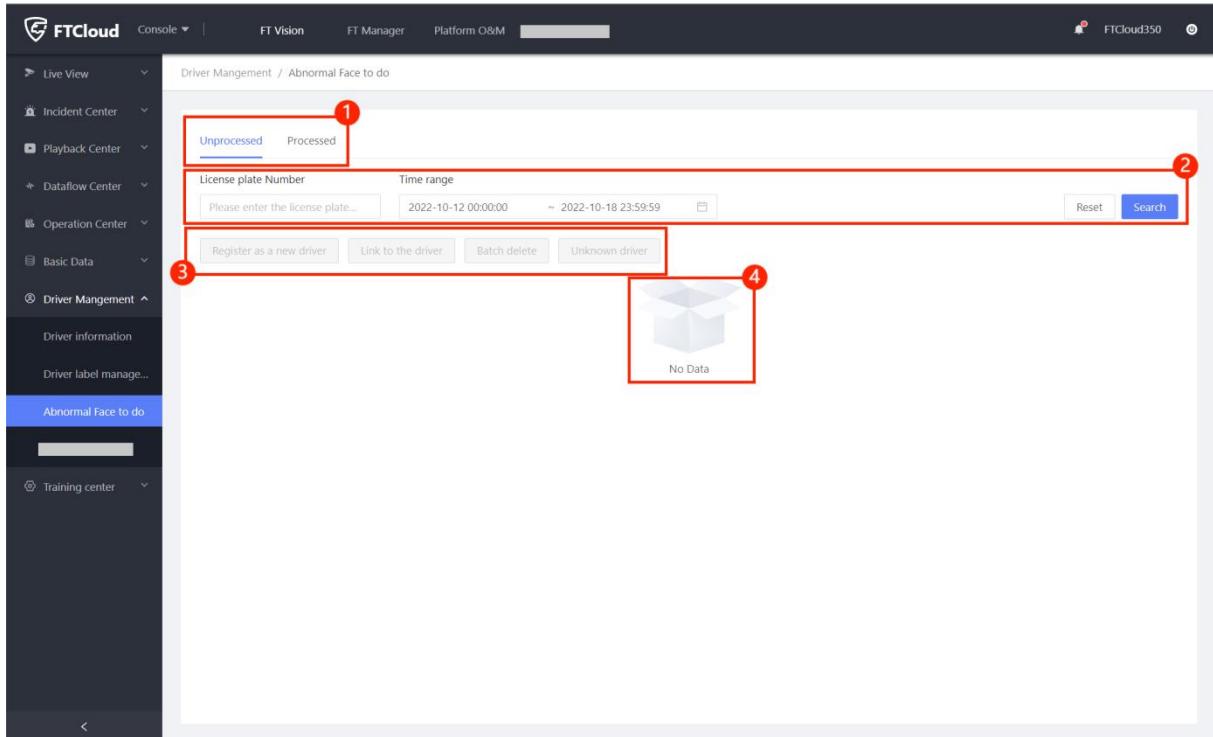
② You can also open the label edit page by clicking the edit button on the right side of the label list.

7.3 Abnormal face to do

The screenshot shows the FTCLOUD platform interface. The left sidebar has a dark theme with white text and icons. It includes sections like 'Live View', 'Incident Center', 'Playback Center', 'Dataflow Center', 'Operation Center', 'Basic Data', 'Driver Management' (which is expanded), 'Driver information', 'Driver label manage...', and 'Abnormal Face to do'. The 'Abnormal Face to do' item is highlighted with a red rectangle. The main content area is titled 'Driver Management / Abnormal Face to do'. It has tabs for 'Unprocessed' (which is selected) and 'Processed'. Below that is a search bar with 'License plate Number' placeholder, a date range from '2022-10-12 00:00:00' to '2022-10-18 23:59:59', and a search icon. There are four buttons below the search bar: 'Register as a new driver', 'Link to the driver', 'Batch delete', and 'Unknown driver'. To the right of these buttons is a small icon of an open box labeled 'No Data'.

This module can be used to process abnormal faces for the selected vehicle and time period.

7.3.1 Module composition



- ① You can choose to view processed or unprocessed abnormal faces;
- ② You can enter the license plate number to be searched, select the time period, and click "Search".
- ③ You can perform operations such as register as a new driver, link to the driver, batch delete and unknown driver;
- ④ To display the searched contents. If no data is available, it will display "No Data" .

8. Training center

This module can generate courses from video library or alarm evidence to be distributed to drivers, and the generated courses support repeat push.

8.1. Training management

The screenshot shows the FTCloud interface with the 'Training management' module selected. The left sidebar includes options like 'Live View', 'Incident Center', 'Playback Center', 'Dataflow Center', 'Operation Center', 'Basic Data', 'Driver Management', and 'Training center'. The 'Training management' option is highlighted with a red box. The main area displays a search bar with fields for 'Course name' (placeholder: 'Please enter the course name'), 'Video Source' (dropdown: 'All'), and 'Course generation time' (range: '2022-10-12 00:00:00' to '2022-10-18 23:59:59'). Below the search bar is a table with columns: Course name, Video Source, Status, Number of drivers for p..., Push times, Course generation time, and Operation. A message 'No Data' is displayed below the table.

This module displays the name, source and push information of the course.

8.1.1 Module composition

The screenshot shows the same FTCloud interface as above, but with two specific sections highlighted by red boxes. Box 1 highlights the search bar area, and Box 2 highlights the table area below it. The rest of the interface is identical to the first screenshot.

- ① You can search by course name, video source, and video generation time. Click "Reset" to clear the filtering criteria, and click "Search" to search.
- ② To display the searched course name, video source, status, number of drivers for push, push times, course generation time, and related operations.

8.1.2 Function introduction

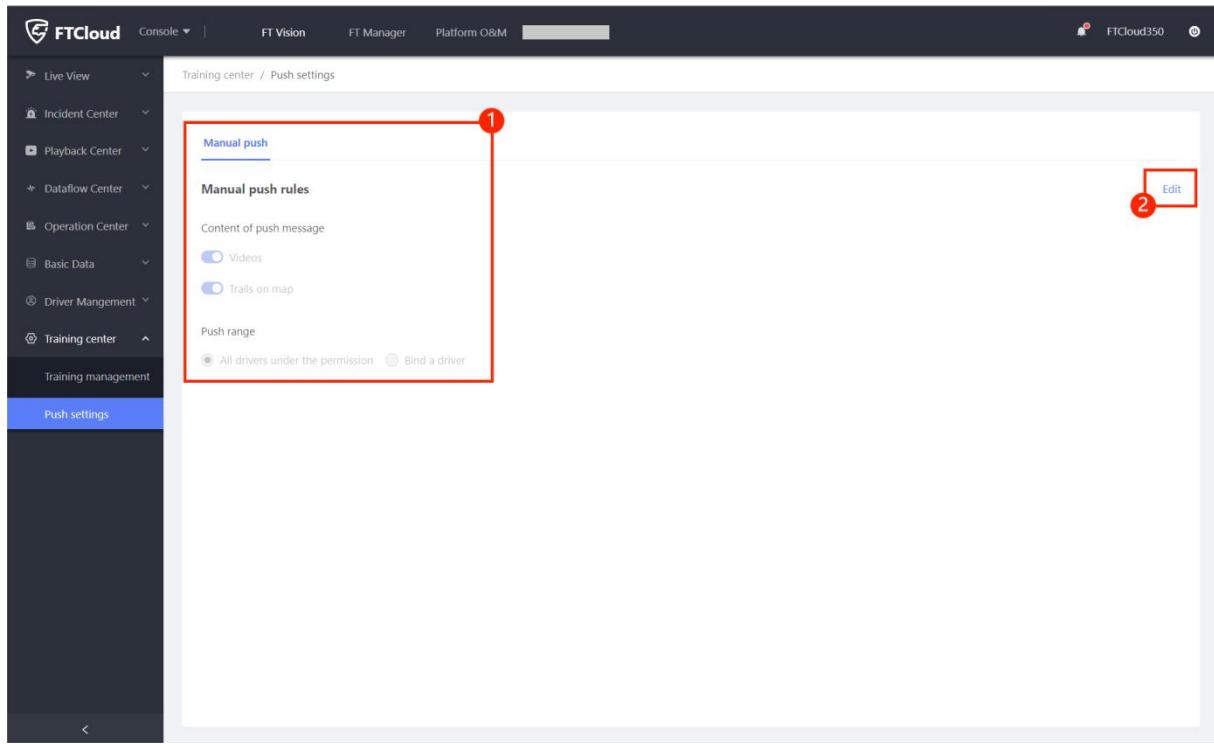
- ① When there are searched data, you can push the data, that is, you can push for this course individually. Click "push" to display the push window;
- ② When there is searched data, you can click the course name to enter the course details page; the details page shows the video and map tracks, and only the video will be displayed when there is no map track. The related operations in the video area is consistent with the video library (please see 3.2 for the video library); you can push the course, and you can also check the course push record.

8.2 Push settings

The screenshot shows the FTCloud web interface. At the top, there is a navigation bar with the FTCloud logo, 'Console', 'FT Vision', 'FT Manager', 'Platform O&M', and a user icon for 'FTCloud350'. On the left, a sidebar menu lists various modules: 'Live View', 'Incident Center', 'Playback Center', 'Dataflow Center', 'Operation Center', 'Basic Data', 'Driver Management', 'Training center' (which is expanded to show 'Training management' and 'Push settings'), and 'Push settings'. The 'Push settings' item is highlighted with a red box. The main content area is titled 'Training center / Push settings' and contains a section for 'Manual push' with a sub-section for 'Manual push rules'. It includes options for 'Content of push message' (with 'Videos' and 'Trails on map' toggles), 'Push range' (with radio buttons for 'All drivers under the permission' and 'Bind a driver'), and an 'Edit' button.

Currently, only manual course push is supported. You can set the content and scope of pushing in the push settings page.

8.2.1 Module composition



- ① You can edit push contents and scope here;
- ② Click the "Edit" in the upper right corner of the page to enter the edit mode.