



Dashcam
User Manual

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Symbol Conventions

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

Symbol	Description
 Note	Provides additional information to emphasize or supplement important points of the main text.
 Caution	Indicates a potentially hazardous situation, which if not avoided, could result in equipment damage, data loss, performance degradation, or unexpected results.
 Danger	Indicates a hazard with a high level of risk, which if not avoided, will result in death or serious injury.

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Chapter 1 HikDashcam App Settings

1.1 App Download

This dashcam (hereinafter referred to as the device) requires HikDashcam App for taking snapshots, recording videos and configuration. Scan the QR code below and download the App.



Figure 1-1 App Download

1.2 Device Management

HikDashcam can be used to add your dashcam (hereinafter referred to as the device) for remote management.



Note

Before device management, please make sure your device is properly powered on and the Wi-Fi hotspot function is enabled.

1.2.1 Add Device

Step 1 Open the HikDashcam.

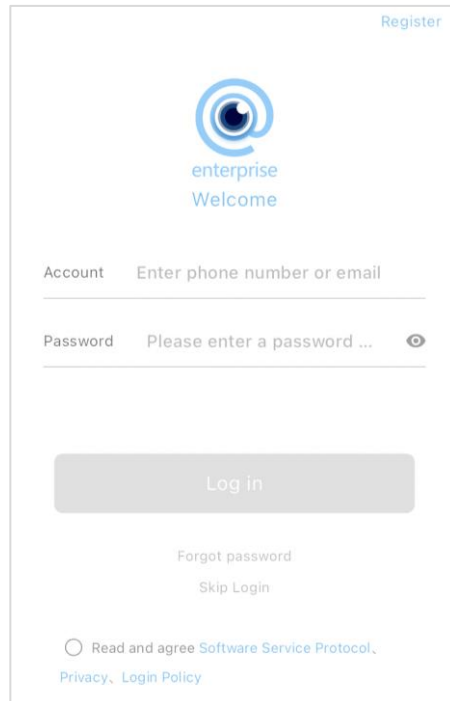


Figure 1-2 Open App

Step 2 Choose one of the following methods for login.

- If you already have created an account, please enter the account information.
- If you do not have an account and would like to create one, you can click **Register** for account creation.
- If you do not have any account and do not want to create one, click **Skip Login**.

Step 3 Click **Connect Wi-Fi** to follow the prompts to connect the device Wi-Fi.

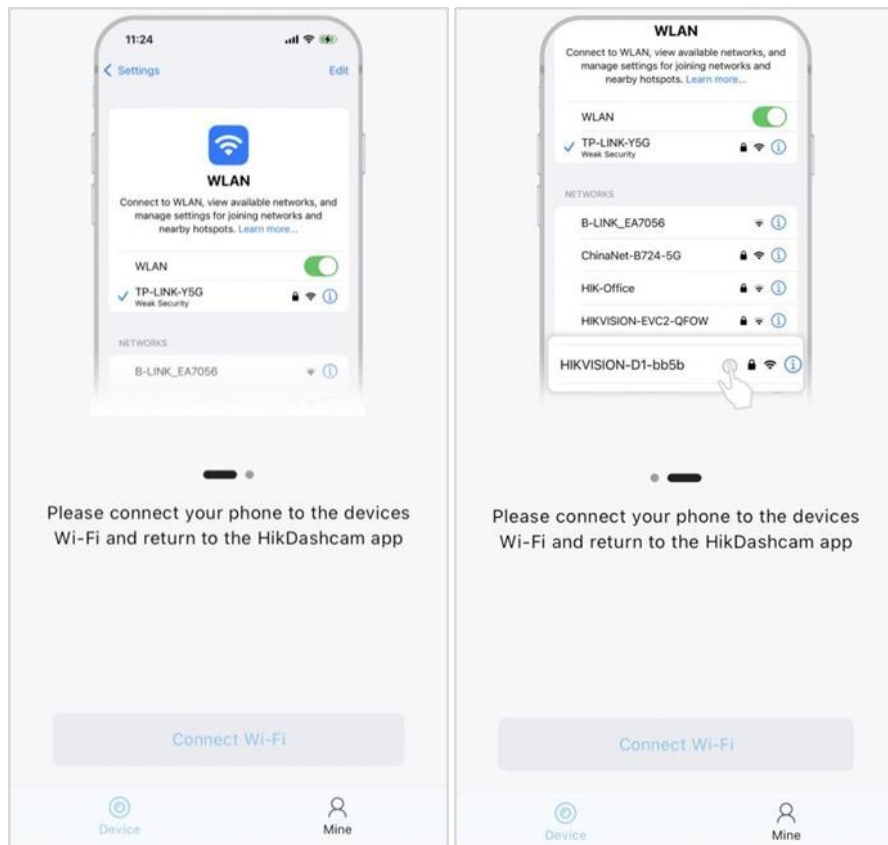


Figure 1-3 Connect Device Wi-Fi

Note

- The default device Wi-Fi hotspot name is **DASHCAM-G40V2-XXXX** (XXXX represents the last four characters of the verification code on the device).
- For first-time access, you are required to enter the default Wi-Fi password. The default password is **Dash12345**.

Step 4 (Optional) For first-time connection, create and confirm your new password for activation.

Activate Now		Activate
New Password	Enter new password.	
Confirm Password	Enter the new Wi-Fi pass...	
The password consists of 8 -16 characters, supports English and numbers, but does not support symbols Experience full function after activation.		

Figure 1-4 Activate Device

 Note

- After creating the new password, you should connect the device Wi-Fi via the newly set password.
- Please follow the prompts to set the password properly. We recommend that you should change your password regularly, especially in the high security system.

Step 5 Click **Enter Device** to enter the device page.

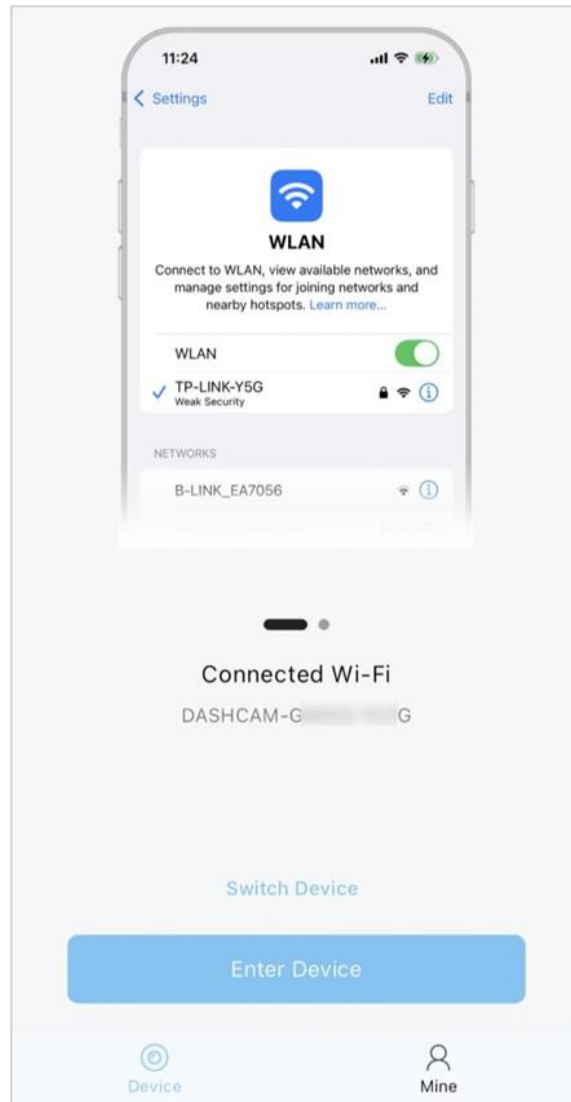


Figure 1-5 Enter Device

 Note

If you want to connect another device, click **Switch Device** and repeat Steps 3 to 5.

1.2.2 View Device

After enter the device page, you can view and manage your device as needed.

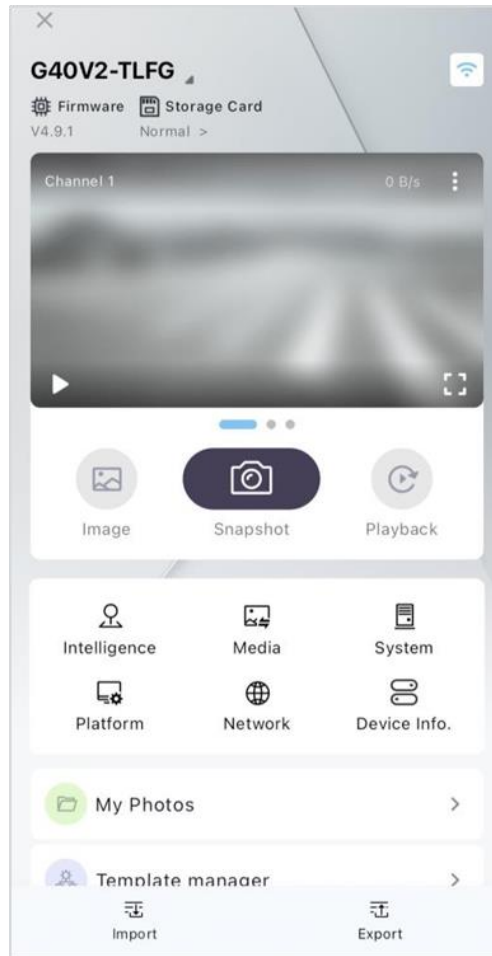


Figure 1-6 View Device

On the upper left corner of the application, you can view device name, firmware version, and storage card status. You also can:

- **View Device Detailed Info:** Click the device name to enter the device info page.

Device Info.	
Device Type	A1 G40
Device Serial Number	C 5
Custom Information	
Encrypted Information	0
Firmware Language	English
Master Version	V4.9.1
Firmware Version	V4.9.1 build20251208
MCU Version	A22089-SW- V6.0.0-build20250 916-706498-T-
Device Verification Code	UMTLFG
4GModule Version	EC200AEUHAR01A 21M16
DSP Version	V4.1.0 build20251203- svn725563

Figure 1-7 Device Info

- **Check Storage Card Details:** Click **Storage Card** to enter the storage card page to see details or format the storage medium.

Storage Medium		Format all
Storage Card1		
Total Capacity	58.94GB	
Residual Capacity	1.75GB	
Remaining Life of Memory Card	--	
Memory Card Health Status	--	
Memory Card Formatting	>	

Figure 1-8 Storage Medium

1.3 Video Surveillance Operations

1.3.1 Live View

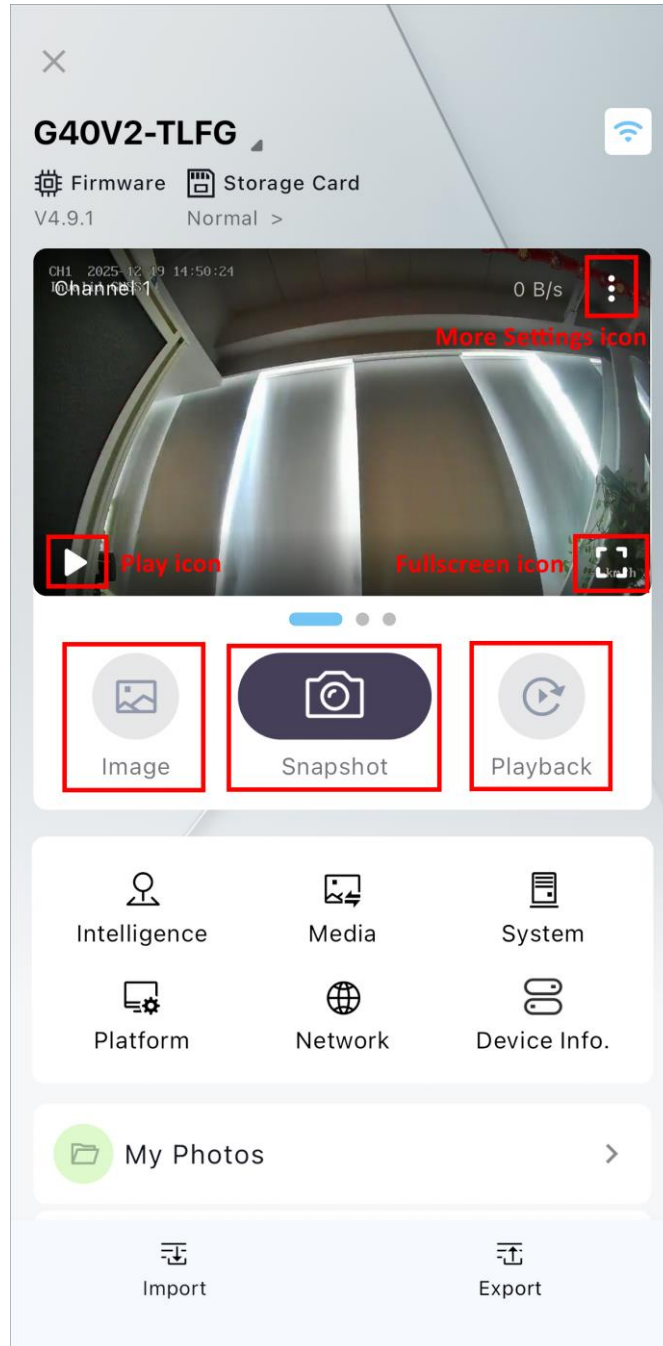


Figure 1-9 Live View

- Click the Play icon to view the camera's surveillance footage in real time. The channel number, timestamp, and GNSS status are displayed.
- Click the Fullscreen icon to enter fullscreen mode. In this mode, you can capture a snapshot, flip the surveillance screen horizontally, or flip it vertically.

- Swipe left or right on the surveillance screen to switch between channels.
- Click the **Snapshot** icon to take a screenshot of the current surveillance screen.
- Click the **Image** icon to browse the snapshot photos for each channel. You can manually select specific photos, click  -> **Select** next to each date to batch-select all photos from that day, or click the Select All icon to choose all photos at once, and then click the Download icon to save them to your album.

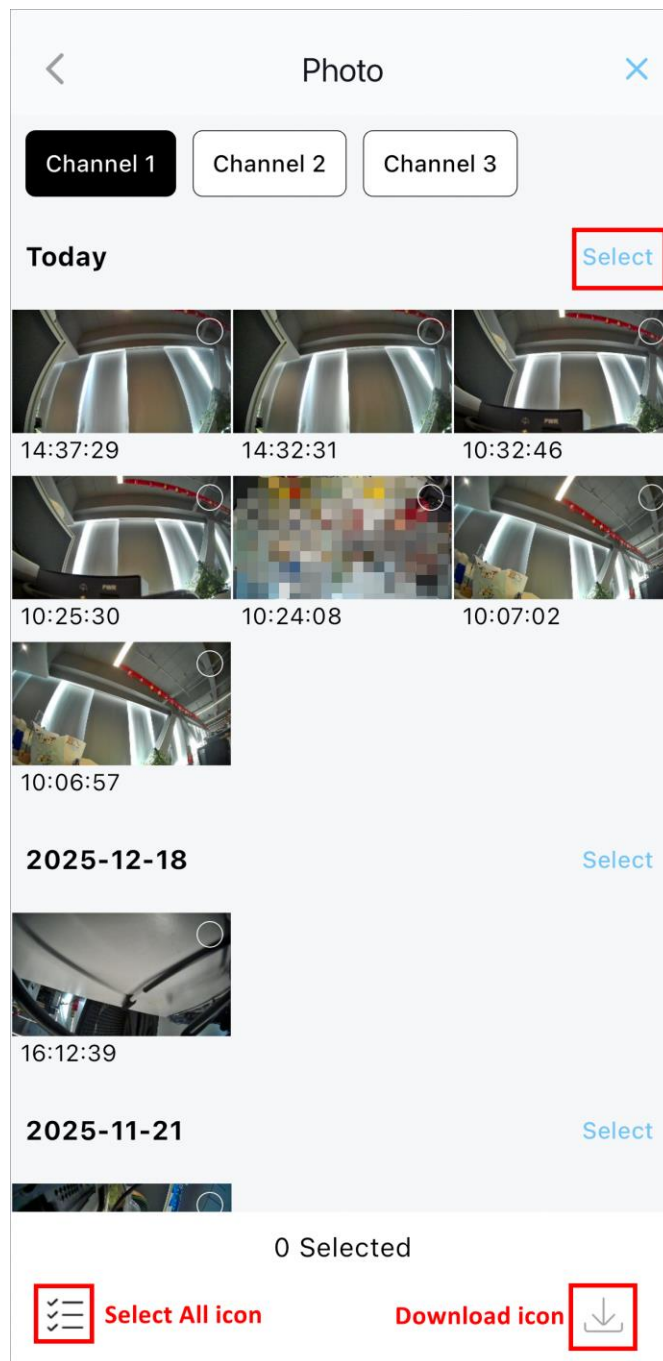


Figure 1-10 Snapshot Photos

1.3.2 Playback

Click the **Playback** icon to access both regular recordings and emergency event recordings for playback.

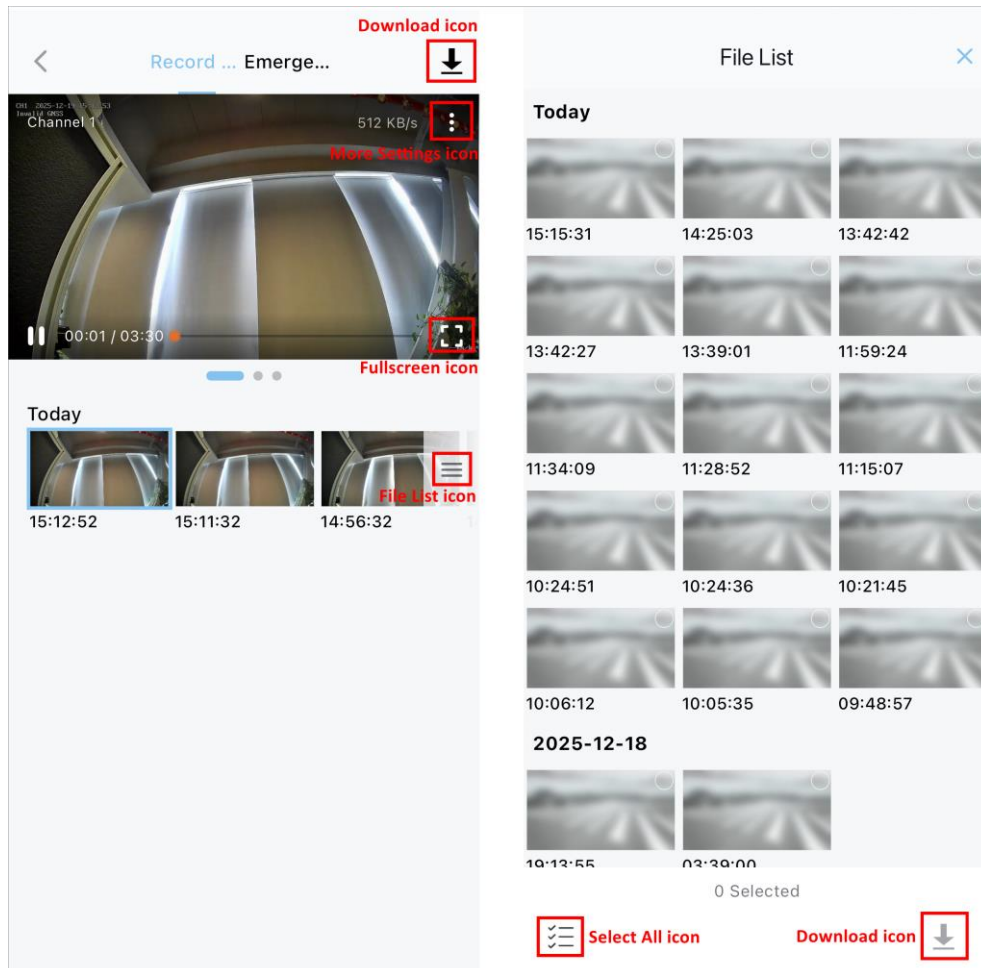


Figure 1-11 Playback

The following operations are supported:

- Select a video segment to start playback.
- Click the Fullscreen icon to enter fullscreen mode, where you can capture a snapshot.
- Click the More Settings icon to adjust playback settings such as speed, brightness, hue, saturation, and contrast using the corresponding controls.
- To save video files, select a segment and click the Download icon in the upper left corner to store it in your album. Alternatively, click the File list icon to enter the File List page, manually select files or click the Select All icon to choose all files, and then click the Download icon to save them to your album.

1.3.3 Picture Settings

Click the More Settings icon to adjust the brightness, hue, saturation, and contrast of the display.

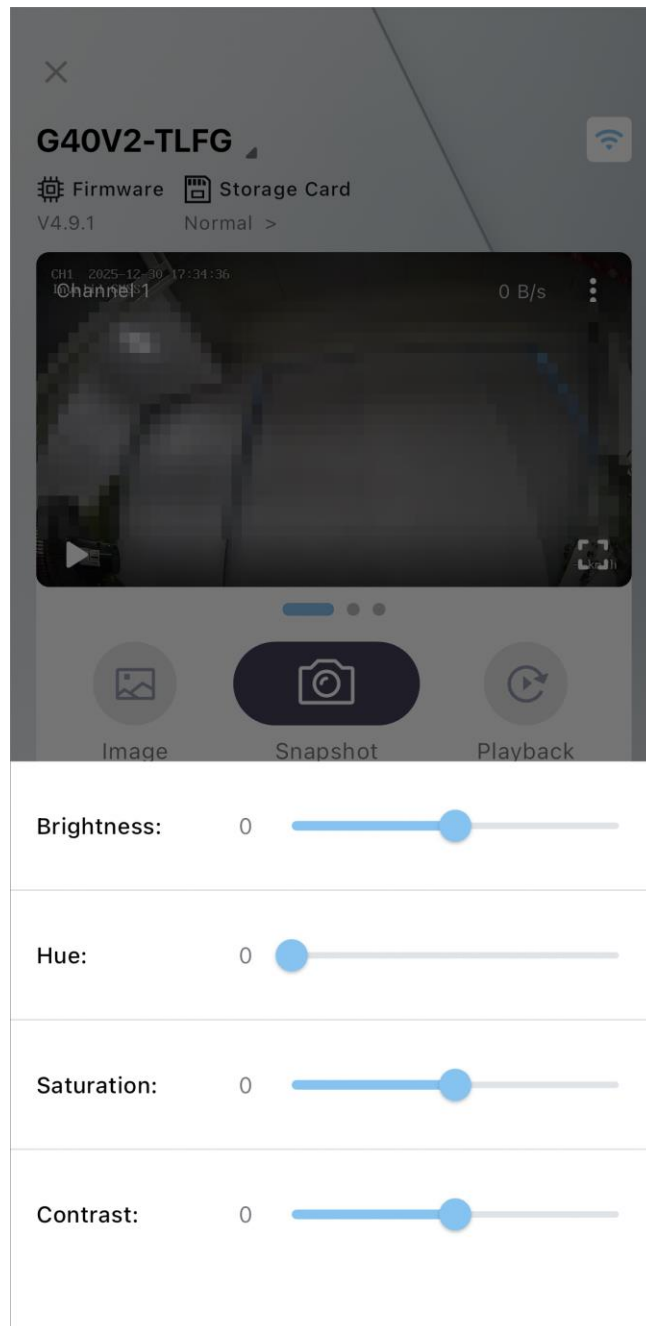


Figure 1-12 Picture Settings

1.4 Intelligence Settings

This workflow enables users to configure intelligent driving and monitoring features tailored to their operational needs, enhancing safety and situational awareness through customizable detection and alert systems.

1.4.1 ADAS

ADAS (Advanced Driver Assistance System) is a safety-focused technology designed to assist drivers in avoiding potential hazards and improving driving safety. It utilizes sensors, cameras, and algorithms to monitor the vehicle's surroundings and driving conditions. Key functions include collision warnings, lane departure alerts, pedestrian detection, traffic sign recognition, and more. By providing timely alerts and assistance, ADAS helps reduce the risk of accidents and enhances overall driving safety.

ADAS Settings

Click **Intelligence -> ADAS (Advanced Driver Assistance System) Settings** to enter the detailed driver assistance strategy configuration page, where you can configure advanced parameters such as warning sensitivity and sound alert types suitable for different driving habits or road conditions.

Step 1 Enter the **ADAS Settings** main page.

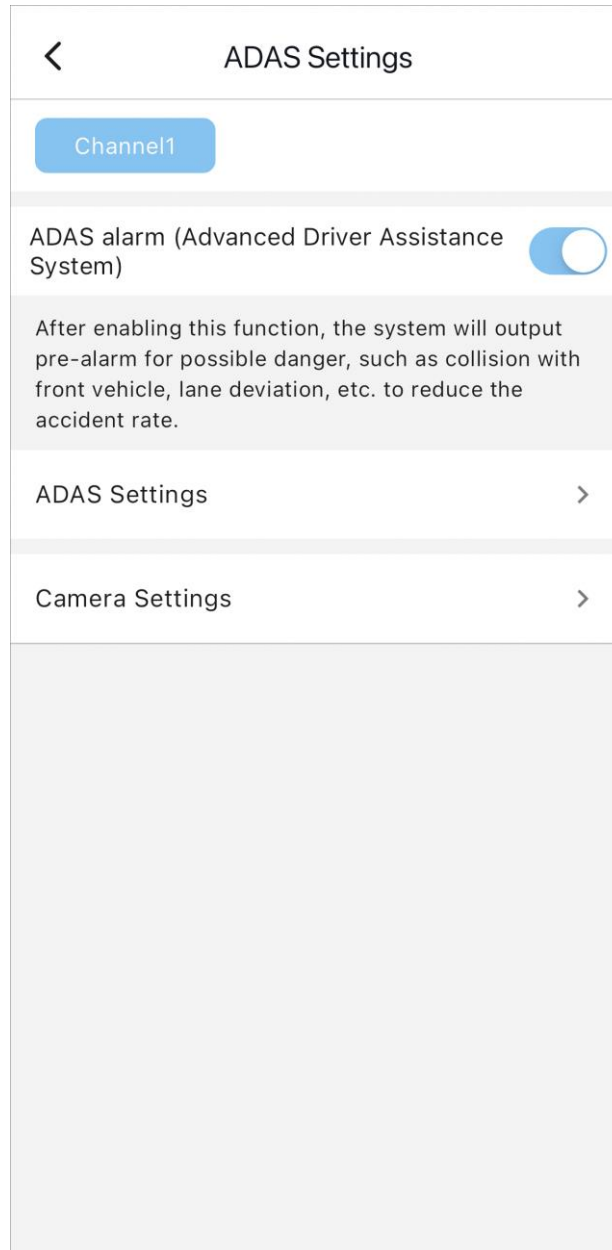


Figure 1-13 ADAS Settings Main Page

Channel1: The currently selected channel, used to distinguish data streams from different cameras or sensors. This is a fixed label and cannot be changed.

- **ADAS alarm (Advanced Driver Assistance System):** Enable/Disable

When enabled, the system will issue warnings upon detecting potential hazards (e.g., forward collision, lane departure, etc.) to reduce the risk of accidents.

 Note

This switch serves as the global master control. If turned off, all sub-functions will be disabled.

Step 2 Click **ADAS Settings** to enter the detailed function configuration page.

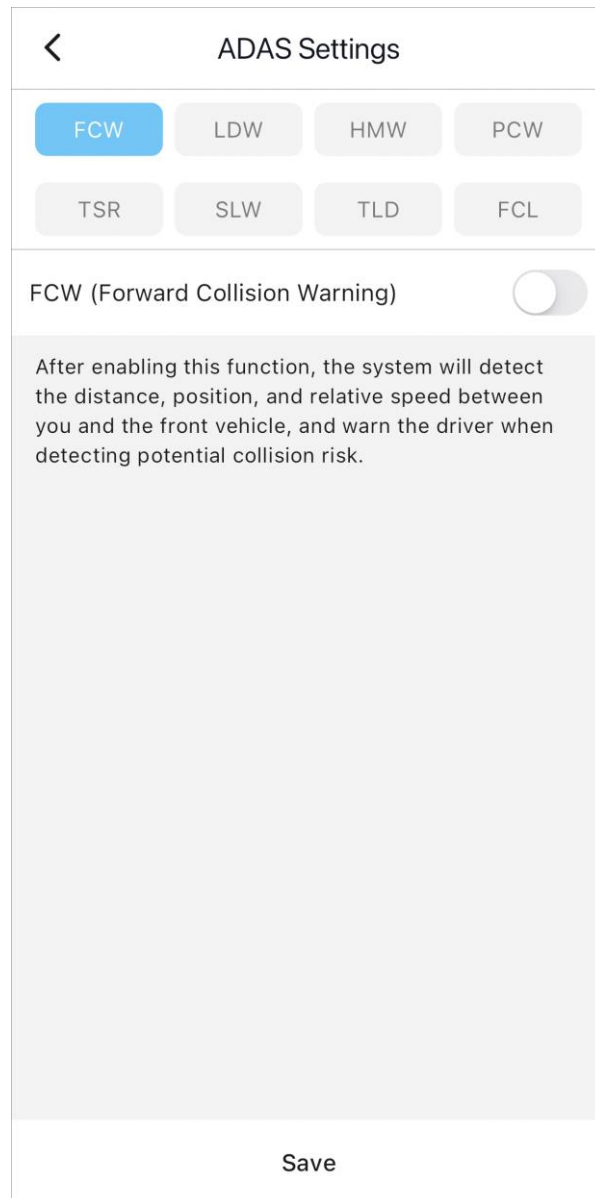


Figure 1-14 ADAS Function Configuration Page

- **FCW (Forward Collision Warning):** Monitors the distance and relative speed to the vehicle ahead, providing alerts when a collision risk is detected.
- **LDW (Lane Departure Warning):** Alerts the driver when the vehicle unintentionally drifts out of its lane.
- **PCW (Pedestrian Collision Warning):** Detects pedestrians ahead and issues warnings.
- **TSR (Traffic Sign Recognition):** Automatically identifies traffic signs such as speed limits and no- entry signs.
- **TLD (Traffic Light Detection):** Recognizes the status of traffic lights.
- **FCL (Front Car Leaving):** Reminds the driver when the vehicle ahead starts moving while the host vehicle remains stationary.

**Note**

The configuration of the FCW function is used as an example for explanation. The configuration of other functions is similar.

Step 3 Configure the FCW function.

When **FCW (Forward Collision Warning)** is enabled, the system will continuously monitor the distance, position, and relative speed to the vehicle ahead, and issue warnings upon detecting potential collision risks.

**Note**

This function relies on the front camera. Ensure the camera is clean and unobstructed.

- **Upload Capture to Platform:** When enabled, the system will upload image data captured during warnings to the backend platform for data analysis and incident review.
Ensure the device has a stable network connection and the platform account is authorized.
- **Upload Recording to Platform:** When enabled, the system will upload video clips recorded during warnings to the backend platform.
This function requires higher storage and bandwidth. Enable it based on actual needs.
- **Alarm Sound:** When enabled, the system will play an audible alert when a warning is triggered.
- **Speed Alarm Threshold (KM/h):** Sets the speed threshold for triggering warnings. The collision warning function will only activate when the vehicle speed reaches or exceeds this value.
Usage scenario: Increase the threshold (e.g., 60 km/h) for highways or urban expressways; decrease it for urban low-speed driving to improve sensitivity.
This parameter is mandatory. The typical range is 20–120 km/h, depending on the device model.

Step 4 Click **Save** to save all current configurations.

Configurations take effect immediately after saving. No device restart is required.

Step 5 Optional: To configure other ADAS functions (e.g., LDW, PCW, etc.), return to Step 2 and click the corresponding tabs.

Step 6 Optional: To adjust camera parameters, click **Camera Settings** to enter the camera configuration page.

Camera Settings

Step 7 Click **Intelligence -> ADAS (Advanced Driver Assistance System) Settings -> Camera Settings** to enter the camera installation position calibration page.

 Camera Settings	
Longitudinal Distance(cm)	130
Distance From the Camera to the Ground	
Distance to Vehicle Head(cm)	150
Distance Between Camera Lens and Vehicle Head	
Distance to Left Wheel(cm)	90
Horizontal Distance Between Camera Lens and the Outer Edge of Left Front Wheel	
Distance to Right Wheel(cm)	90
Horizontal Distance Between Camera Lens and the Outer Edge of Right Front Wheel	
Vehicle Head Percentage(%)	19
Proportion of vehicle head in camera	
Hidden Line	
Save	

Figure 1-15 Camera Settings

 Note

This page is used to input the physical installation parameters of the camera relative to the vehicle, ensuring the ADAS system can accurately calculate distances and positions.

Step 8 Set Longitudinal Distance(cm).

The vertical height from the center of the camera lens to the ground. This parameter affects the system's accuracy in judging the distance to obstacles ahead. It must be measured precisely and filled in according to the actual installation height.

Step 9 Set Distance to Vehicle Head(cm).

The horizontal distance from the center of the camera lens to the foremost point of the vehicle (vehicle head). This parameter is used to calibrate the system's perception of the

relative position of vehicles or obstacles ahead. Recalibration is necessary if the installation position is offset.

Step 10 Set **Distance to Left Wheel(cm)**.

The horizontal distance from the center of the camera lens to the outer edge of the left front wheel. This parameter is used for lane line recognition and lateral safe distance calculation, especially affecting warning accuracy during curves or lane changes.

Step 11 Set **Distance to Right Wheel(cm)**.

The horizontal distance from the center of the camera lens to the outer edge of the right front wheel. Together with the left wheel parameter, this establishes the vehicle's lateral coordinate system, ensuring the system correctly identifies the vehicle's position within the lane.

Step 12 Set **Vehicle Head Percentage(%)**.

The percentage of the camera image's height occupied by the vehicle's head. This parameter is used for the system's automatic field of view calibration. A value that is too small may cause the system to misjudge distances ahead; a value that is too large may result in the loss of effective field of view.

Step 13 Click **Save** to save all camera parameters.

1.4.2 DSM

DSM (Driver State Monitoring) is a safety system designed to monitor the driver's physical and mental state in real time. Using infrared cameras or other sensors, it detects signs of fatigue (e.g., yawning, prolonged eye closure), distraction (e.g., looking away from the road), or other unsafe behaviors (e.g., smoking, using a phone). When risks are identified, the system issues alerts (such as sounds or dashboard warnings) to prompt the driver to regain focus. DSM aims to reduce accidents caused by human factors and enhance overall driving safety.

Click **Intelligence -> DSM (Driver State Monitoring) Settings** to enter **DSM Settings** main page and switch between different channel identifiers used to distinguish data streams from different cameras or sensors.

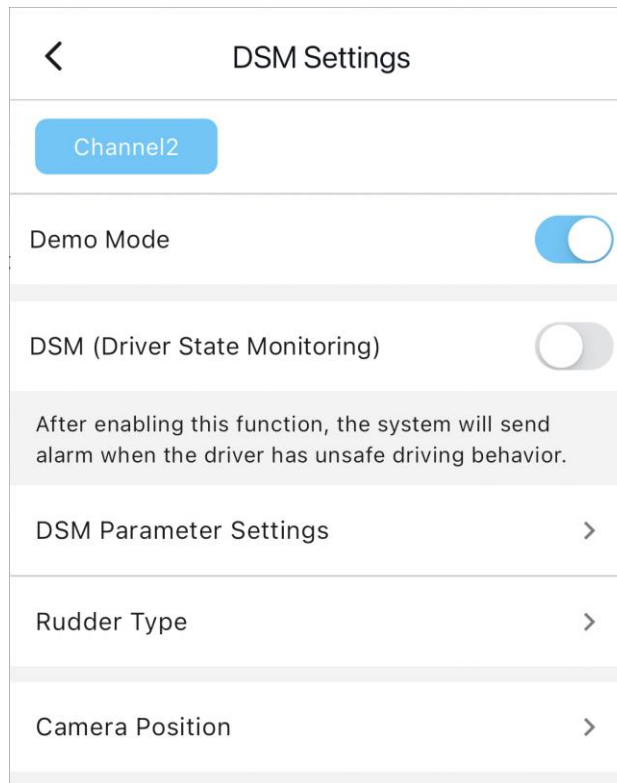


Figure 1-16 DSM Settings

- When **Demo Mode** is enabled, the system enters demonstration mode, where some alarm functions may be disabled. This mode is only for functional demonstrations. Keep it disabled during normal use.
- When **DSM (Driver State Monitoring)** is enabled, the system will monitor driver behavior in real time and trigger alarms when unsafe driving behaviors (such as fatigue or distraction) are detected. This function is a core safety module and is recommended to remain enabled.

DSM Parameter Settings

Step 2 Click the Fatigue Driving button in the top tab bar to enter the fatigue driving monitoring configuration page.

- This function is used to detect the driver's fatigue state. The system triggers an alarm when unsafe driving behavior is identified.
- Other optional tabs (such as Make Phone Call, Smoking, etc.) correspond to other driver behavior monitoring type.

Step 3 Enable the fatigue driving monitoring function.

When enabled, the system will analyze driver behavior in real time and trigger alarms. It is recommended to enable this function in scenarios requiring driver state monitoring (e.g., long-distance transport, night driving).

Step 4 Configure the data upload options.

Upload Capture to Platform Switch: When enabled, image data captured by the system will be automatically uploaded to the management platform for post-incident review or data analysis.

Upload Recording to Platform Switch: When enabled, video clips recorded by the system will be uploaded to the platform, suitable for scenarios requiring complete behavior playback.

Step 5 Configure alarm sound.

Alarm Sound Switch: When enabled, the system will play an audible alarm upon detecting dangerous behavior to alert the driver.

Volume Adjustment Slider: The slider can be dragged to adjust the volume level. A higher value indicates louder volume. Adjust according to the actual driving environment.

Step 6 Set the speed alarm threshold.

Speed Alarm Threshold (KM/h): When the vehicle speed reaches or exceeds this value, the system will trigger a speed limit alarm.



Note

This parameter is mandatory and is measured in kilometers per hour (KM/h). Adjust according to road speed limit requirements.

Step 7 Set the sensitivity level.

- High: Highest sensitivity, prone to triggering alarms. Suitable for scenarios with extremely high safety requirements.
- Middle: Default sensitivity, balances false alarms and missed detections.
- Low: Lowest sensitivity, reduces false alarms. Suitable for scenarios with good road conditions and stable driving habits.

Rudder Type

Click **Rudder Type** to enter the steering wheel type settings page. It is used to adapt to the vehicle's steering wheel installation position, ensuring the camera's field of view aligns with the driver's face to improve recognition accuracy.

- Left: Suitable for left-hand drive vehicles (e.g., Mainland China, USA, most European countries). After selecting this option, the system will optimize the image processing algorithm to match the driver's posture and perspective in left-hand drive vehicles.
- Right: Suitable for right-hand drive vehicles (e.g., UK, Japan, Australia). After selecting this option, the system will automatically adjust the facial detection area and gaze tracking direction to ensure accurate recognition in right-hand drive environments.

Camera Position

Click **Camera Position** to enter the camera position settings page.

- **A-pillar:** A-pillar installation mode. Suitable for scenarios where the camera is installed on the inner side of the vehicle's A-pillar, with a forward-facing perspective ideal for monitoring the driver's facial orientation.
- **Rearview:** Rearview mirror installation mode. Currently selected (blue dot), suitable for scenarios where the camera is integrated into the rearview mirror, with a perspective more focused on the driver's face. This is the mainstream installation method.

**Note**

Selecting an incorrect installation position may reduce monitoring accuracy. Choose the corresponding option based on the actual hardware installation location.

1.4.3 Face Settings

Face recognition settings, used for face registration, parameter adjustment, and permission management. When enabling face recognition for specific individuals (such as vehicle owners or authorized drivers), access this section.

Add Face

Click **Face Settings** -> **Facial Information** -> **New** to enter the face addition page. Set the parameters as required and click **Save** to save the face information.

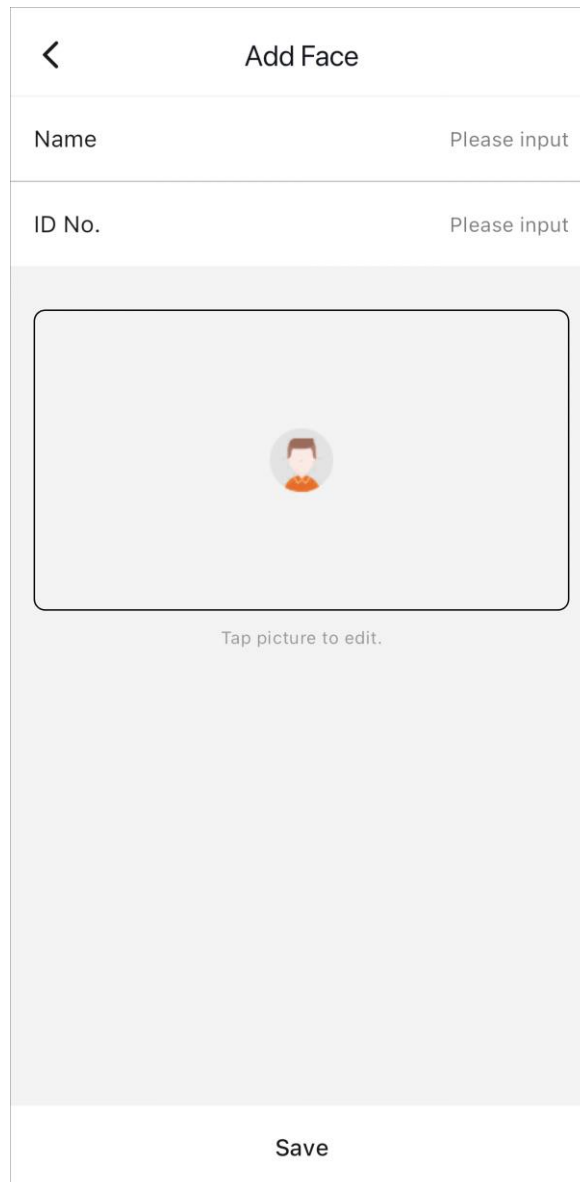


Figure 1-17 Add Face

- **Name:** (Required) Enter the name corresponding to this face here for system identification and log recording.
- **ID No.:** (Required) Enter the unique identification number of the person, such as an employee ID or the last six digits of their ID card, for backend data association.
- **Face photo area:** Click the default avatar icon in the center to activate the camera for face capture. Ensure sufficient lighting and that the face is directly facing the camera. The image will be automatically saved to this entry after successful capture.

Facial Parameter Settings

Click **Face Settings** -> **Facial Parameter Settings** to enter the parameter configuration page. For multi-channel devices, different channels can be switched for independent configuration.

Facial Parameter Settings		Save
CH2		
Face Comparison		
Enable	☒	
Face Detection Interval(s)	1200	
Face Similarity	75	
Face Statistics		
Enable	☐	
Face Detection Interval(s)	300	
Face Rating	10	

Figure 1-18 Facial Parameter Settings

- **Face Comparison**

When **Face Comparison** is enabled, the system will activate the face recognition and comparison function for identity verification or access control.

- **Face Detection Interval(s)**

Detection interval, in seconds.

A smaller value means more frequent recognition but increases system load; a larger value increases response delay. Adjust based on actual usage frequency.

- **Face Similarity**

Similarity threshold. This value determines the strictness of recognition approval. A higher value (e.g., 90) is stricter, suitable for high-security scenarios; a lower value (e.g., 60) allows easier passage, suitable for daily convenience.

- **Face Statistics**

When **Face Statistics** is enabled, the system will collect statistics such as face detection count and matching success rate, used for analyzing system usage or optimizing algorithms.

Note

This function is only effective when enabled, which is used to control the sampling frequency for statistical data.

- **Face Detection Interval(s)**

Statistical detection interval, in seconds.

- **Face Rating**

Rating threshold. Used to score the quality of recognition results; a higher value indicates better image quality. This parameter affects the "High-Quality Recognition Rate" metric in statistical reports.

1.5 Media Settings

On the device page, click **Media** to enter the media page for configuration.

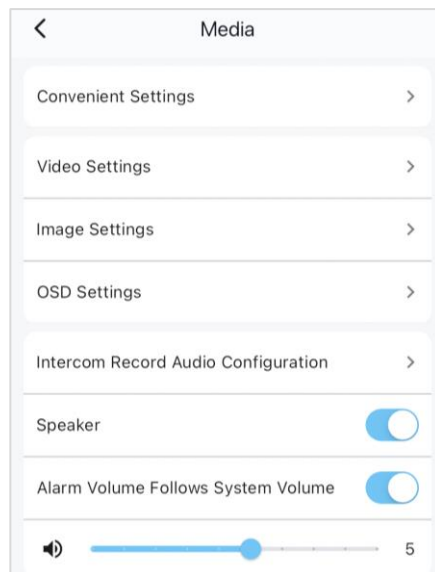


Figure 1-19 Media

Note

Certain modification of settings requires device rebooting to take effect. The actual interface prevails.

1.5.1 Convenient Settings

Step 1 Click **Convenient Settings**.

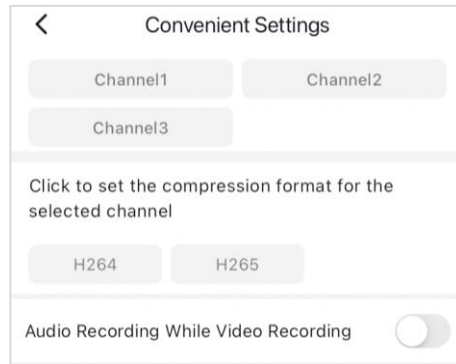


Figure 1-20 Convenient Settings

Step 2 Select the channel to be configured.

Step 3 Choose the video compression format.

- **H264:** A widely-used format balancing quality and file size.
- **H265:** A more efficient format offering better compression (smaller files) at similar quality levels.

Step 4 Enable/disable **Audio Recording While Video Recording**.



Note

After this function is enabled, audio will be captured during video recording.

1.5.2 Video Settings

Step 1 Click **Video Settings**.

The screenshot displays the 'Video Settings' screen with a back arrow at the top left. The settings are organized into sections: Channel selection (Channel1, Channel2, Channel3), Stream selection (Main-stream, Sub-Stream), Stream Type (Video, Mixed), Compression Format (H264, H265), Resolution (1920*1080, 1280*720), Frame Rate (10, 15, 25, 30), and Max. Bit Rate (512Kbps, 1Mbps, 2Mbps). A 'Save' button is located at the bottom center.

Figure 1-21 Video Settings

Step 2 Select the channel and stream to be configured.

Step 3 Select bit rate type.

- **Constant:** Bit rate remains fixed regardless of scene complexity.
- **Variable:** Bit rate adjusts dynamically based on scene complexity.
- **Self-adaptation:** An intelligent encoding method that dynamically adjusts the video bit rate in real-time based on changing network conditions, scene complexity, and encoder capabilities.

Step 4 Select stream type.

- **Video:** This stream type transmits video data only.
- **Mixed:** This stream type includes both video and audio data.

Step 5 Choose the video compression format.

- **H264:** A widely-used format balancing quality and file size.
- **H265:** A more efficient format offering better compression (smaller files) at similar quality levels.

Step 6 Select video resolution.

- **1920*1080:** Full High Definition (FHD) resolution, providing sharp and detailed video.
- **1280*720:** High Definition (HD) resolution, offering a balance between quality and bandwidth usage.

Step 7 Select frame rate.

- **10 fps:** Captures 10 frames per second, suitable for low-motion scenarios to save bandwidth.
- **15 fps:** A moderate frame rate for smoother video in general use.
- **25 fps:** Commonly used in regions with PAL systems for natural motion.
- **30 fps:** Standard for regions with NTSC systems, ensuring smooth video playback.

Step 8 Select max. bit rate.

- **512 Kbps:** Low bit rate, ideal for limited bandwidth but may reduce video quality.
- **1 Mbps:** Medium bit rate, suitable for standard HD streaming.
- **2 Mbps:** Higher bit rate, providing better video quality for FHD resolution.

Step 9 Click **Save**.

1.5.3 Image Settings

Step 1 Click **Image Settings**.

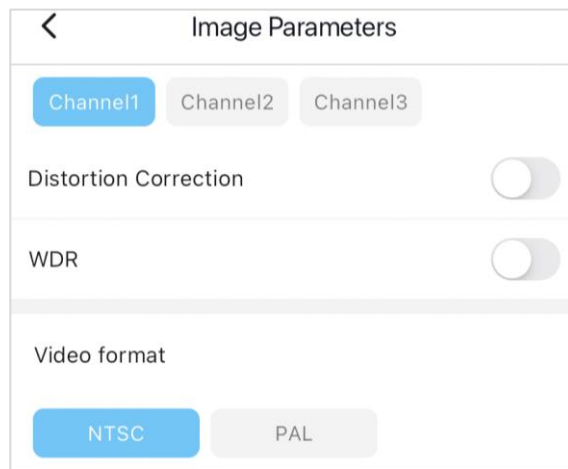


Figure 1-22 Image Parameters

Step 2 Select the channel to be configured.

Step 3 Set image parameters according to needs.

- **Distortion Correction:** A toggle to enable or disable lens distortion correction. When enabled, it corrects optical distortions such as barrel or pincushion effects caused by the camera lens.
- **WDR:** A toggle to enable or disable WDR technology. WDR balances exposure in scenes with both very bright and dark areas, improving overall visibility and detail.
- **Video format:** Options for selecting the video standard: NTSC (common in North America/Japan) or PAL (common in Europe/other regions).
- **Mirror Type:** Defines the mirroring effect applied to the image.

1.5.4 OSD Settings

You can edit the information overlay that appears on the video feed for each channel.

Step 1 Click **OSD Settings**.

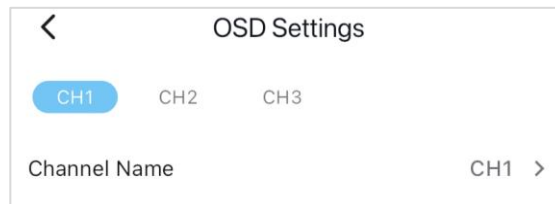


Figure 1-23 OSD Settings

Step 2 Select the channel to be configured.

Step 3 Click > to edit the channel name.

1.5.5 Audio Settings

At the bottom of the media page, you can set certain audio features, such as intercom record audio configuration, speaker status, and alarm volume follows system volume.

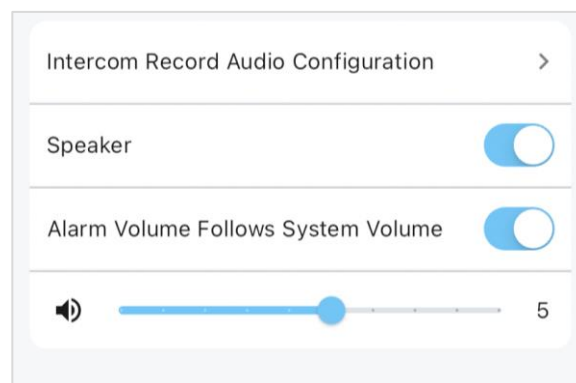


Figure 1-24 Audio Settings

- **Intercom Record Audio Configuration:** This allows users to configure how audio from the intercom is recorded. It includes options for audio encoding format during video/intercom usage.

- **Speaker:** This toggle enables or disables the speaker function. When it is turned on, audio (e.g., intercom voice or alarms) will be output through the speaker of the device.
- **Alarm Volume Follows System Volume:** When it is enabled, the alarm volume will synchronize with the system's general volume settings. If it is disabled, the alarm volume can be adjusted independently.

1.6 Platform Settings

On the device page, click **Platform** to enter the platform page for configuration. Available parameters for different platforms may vary. The following lists all relevant platform parameters. The actual interface prevails.

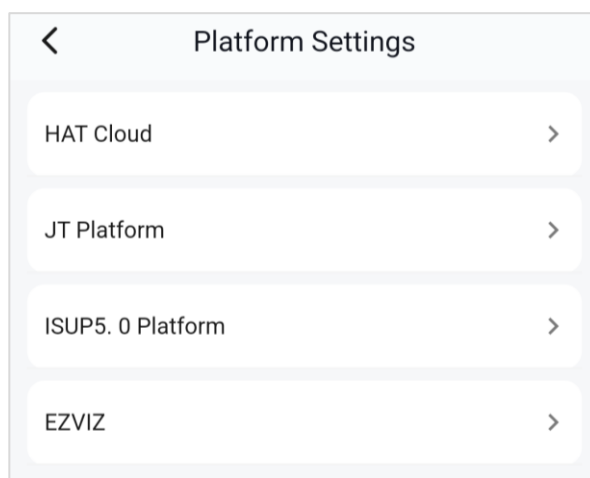


Figure 1-25 Platform

After choosing the platform to be configured, you may continue to enable/disable the platform or modify certain platform parameters as needed. The following parameter explanations are for your reference.

- **Platform Warning:** After enabling this function, you activate the system capability to detect, notify, and handle predefined abnormal events or triggers.
- **IP Address:** Current platform server IP address.
- **Port:** Port number for platform communication.
- **Mobile Phone No.:** Mobile number associated with the terminal.
- **Terminal ID:** Unique identifier for the device on the platform.
- **Sleep Reporting Interval:** The time interval at which the device sends status reports while in sleep mode. This ensures the system remains updated with minimal power consumption during inactive periods.
- **Emergency Alarm Reporting Interval:** The frequency at which the device transmits emergency alerts to the platform when a critical event is detected. A shorter interval may be used for rapid response.
- **Positioning Upload Interval:** The time interval between consecutive GPS or location data uploads to the platform. This determines how frequently the device's real-time location is updated.
- **Secret Key:** The unique authentication credential used to secure communication between the device and the platform.

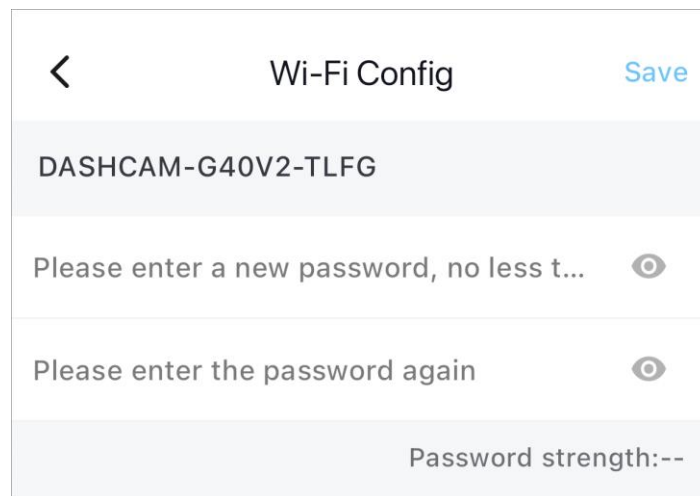
- **Channel Number:** The maximum number of simultaneous data streams or communication paths that the system can support.

1.7 Network Settings

Click **Device** -> **Enter Device** -> **Network** to configure the camera's network parameters.

1.7.1 Wi-Fi Settings

Click **Wi-Fi Config** to set your Wi-Fi password. The password should contain 8 and 16 characters.



The screenshot shows a mobile application interface for Wi-Fi configuration. At the top, there is a navigation bar with a back arrow on the left, the title 'Wi-Fi Config' in the center, and a 'Save' button on the right. Below the navigation bar, there are three input fields. The first field contains the text 'DASHCAM-G40V2-TLFG'. The second field is labeled 'Please enter a new password, no less t...' and has a toggle icon on the right. The third field is labeled 'Please enter the password again' and also has a toggle icon on the right. At the bottom of the form, there is a label 'Password strength:--'.

Figure 1-26 Wi-Fi Settings

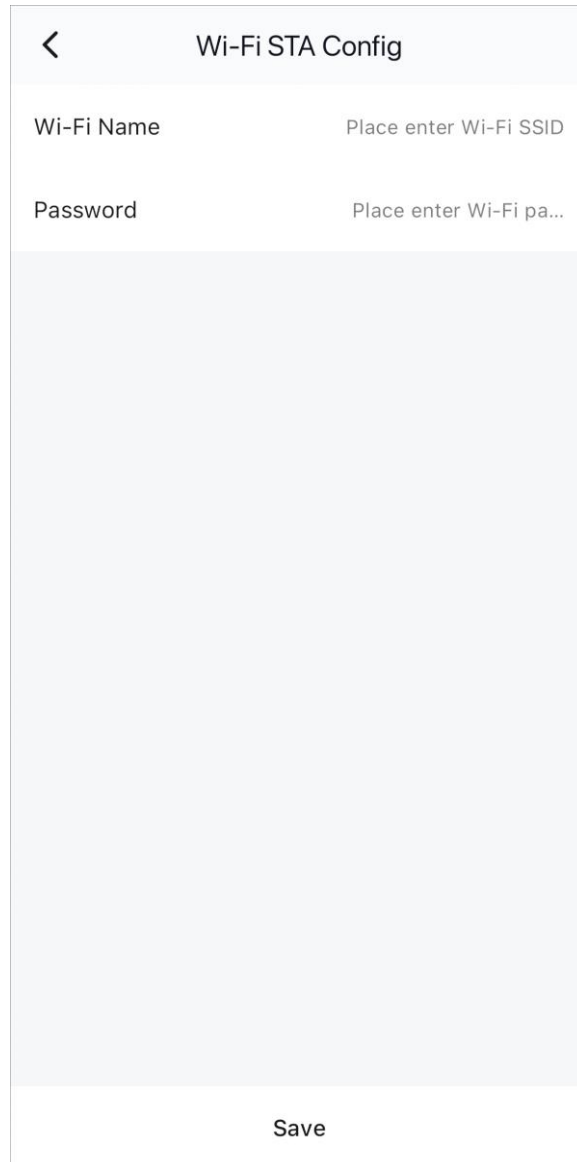
Note

- The password strength is displayed in real time. For enhanced security, we recommend use a strong password containing letters, digits, and special characters.
- The new password will take effect immediately upon being saved.

1.7.2 Wi-Fi STA Settings

The Wi-Fi STA function enables you to configure the camera as a wireless client, allowing it to connect to an existing Wi-Fi network for wireless operation.

Click **Wi-Fi Config** and set the Wi-Fi name (SSID) and password to establish the connection.

The image shows a mobile application screen titled "Wi-Fi STA Config". At the top left is a back arrow icon. Below the title, there are two input fields. The first is labeled "Wi-Fi Name" and has a placeholder text "Place enter Wi-Fi SSID". The second is labeled "Password" and has a placeholder text "Place enter Wi-Fi pa...". Below these fields is a large, empty light gray rectangular area. At the bottom center of the screen is a "Save" button.

Wi-Fi STA Config	
Wi-Fi Name	Place enter Wi-Fi SSID
Password	Place enter Wi-Fi pa...
Save	

Figure 1-27 Wi-Fi STA Settings

1.7.3 APN Settings

Access Point Name (APN) is a key configuration that enables the camera to connect to the internet via a mobile network. It defines how the camera accesses data services through carriers such as China Mobile, China Unicom, or China Telecom.

< APN Settings	
SIM1	
Dial-up Parameters >	
Dialing Status	Refresh
Module Status	Normal
SIM Card Status	SIM is not inserted.
Network Status	Abnormal
Signal Strength	0
Dialing Status	Waiting for dialing...
IP Address	
Subnet Mask Address	
Gateway Address	
DNS Address	
IMEI	862221085499712

Figure 1-28 APN Settings

Step 2 Click **APN Settings** -> **Dial-up Parameters** to configure the basic dial-up parameters.

< Dial-up Parameters

APN Please input

Dial-Up No. Please input

Dial-Up User Name Please input

Dial-Up Password Please input

Max. Transmission Unit 1000

Authentication Mode

Auto Select CHAP PAP

Frequency

auto Adjust 2G

3G 4G

Dialing Type

auto

Save

Figure 1-29 Configure Dial-up Parameters

- **APN:** Required. Enter the APN name provided by your mobile operator (e.g., "cmnet" or "ctnet").
- **Dial-Up No.:** Required. The default value is *99#. Some operators may require a specific number such as 981#.
- **Dial-Up User Name:** Optional. Enter the user name only if your operator requires authentication; otherwise, leave this field blank.
- **Dial-Up Password:** Optional. Used together with the user name. Leave blank if authentication is not required.

- **Max. Transmission Unit:** The value ranges from 576 to 1500 bytes, and the default value is 1000 bytes. It is recommended to use the default value for optimal compatibility with most network environments.

Step 3 Set the authentication mode.

- **Auto Select:** The device automatically negotiates and adopts the optimal authentication method.
- **CHAP:** Requires both a user name and password for authentication, providing higher security.
- **PAP:** Offers lower security and is recommended only for compatibility with legacy devices.

**Note**

If **CHAP** or **PAP** is selected, both the **Dial-Up User Name** and **Dial-Up Password** fields must be filled in.

Step 4 Set the frequency band.

- **Auto:** The device automatically selects the optimal frequency band from available 2G/3G/4G networks.
- **Adjust:** Allows manual configuration of band combinations. Recommended for professional use only.
- **2G:** Connects only to 2G networks. Suitable for areas with weak signal coverage.
- **3G:** Uses 3G networks only, offering a balance between speed and power consumption.
- **4G:** Connects exclusively to 4G networks for maximum data transmission speed.

**Note**

- Auto mode prioritizes connection stability by automatically selecting the optimal available band.
- If manual mode (i.e, Adjust) is selected, ensure the selected frequency bands are supported by your mobile operator and available in your current region.

Step 5 Set the dialing type.

**Note**

Currently, only Auto mode is available. The device automatically redials when a network disconnection is detected.

Step 6 Click **Save**.

**Note**

After saving the configuration, restart the dial-up service or reinsert the SIM card for the new settings to take effect.

Step 7 Optional: Click **Refresh** to check the latest dialing status. The available operations include:

- Check Module Operation Status

Module Status indicates the operational state of the communication module.

**Note**

If **Abnormal** is displayed, verify hardware connections or restart the device.

- Confirm SIM Card Status

SIM Card Status shows whether the SIM card is properly inserted.

**Note**

If the SIM card is not detected, insert the SIM card, wait for system recognition, and refresh the status.

- Check Network Registration Status

Network Status reflects the device's current network registration status.

**Note**

An abnormal status may result from weak signal, inactive SIM card, or carrier restrictions. Troubleshoot accordingly.

- View Signal Strength

Signal Strength is a numerical value ranging from 0 to 31, where lower values indicate weaker signals.

**Note**

Reposition the device or check antenna connections if the signal is poor.

- Confirm Dialing Status

Dialing Status indicates the current connection state.

For example, **Waiting for dialing** means the device is attempting to connect. If the status persists, review APN settings.

- View Network Address Information

The network address information contain the automatically assigned IP address, subnet mask, default gateway address, and DNS address.

**Note**

These fields are populated only after a successful dial-up connection. If the fields are left blank, the connection has failed.

- Record Device Identifier

IMEI: International Mobile Equipment Identity, a unique identifier for the device.

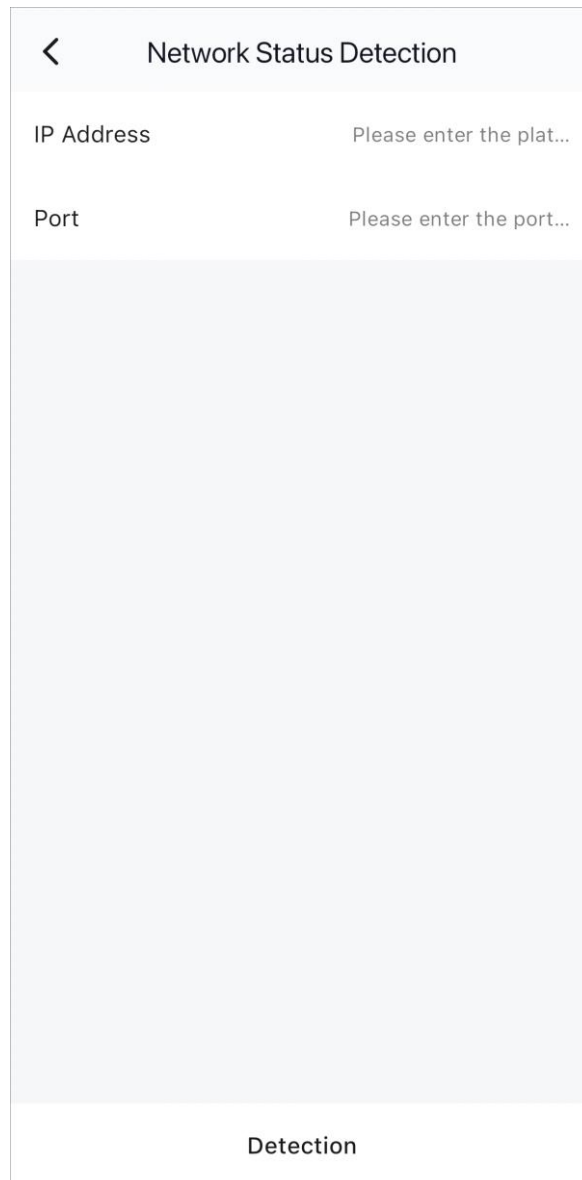
 Note

IMEI is assigned during manufacturing for carrier and management purposes, and cannot be modified.

1.7.4 Network Status Detection

This function quickly diagnoses connectivity between the camera and the target platform, helping users identify and troubleshoot connection issues.

Click **Network Status Detection**, enter the target platform's IP address and port number, and then click **Detection** to start the connectivity test.



The screenshot shows a mobile application interface for "Network Status Detection". At the top, there is a back arrow and the title "Network Status Detection". Below the title, there are two input fields: "IP Address" with a placeholder "Please enter the plat..." and "Port" with a placeholder "Please enter the port...". The bottom of the screen features a large, light blue rectangular area and a white button labeled "Detection".

Figure 1-30 Network Status Detection

1.7.5 Satellite Information Monitoring

Click **Satellite Information** to gain real-time insights into the device's connection with global navigation satellite systems (e.g., GPS).

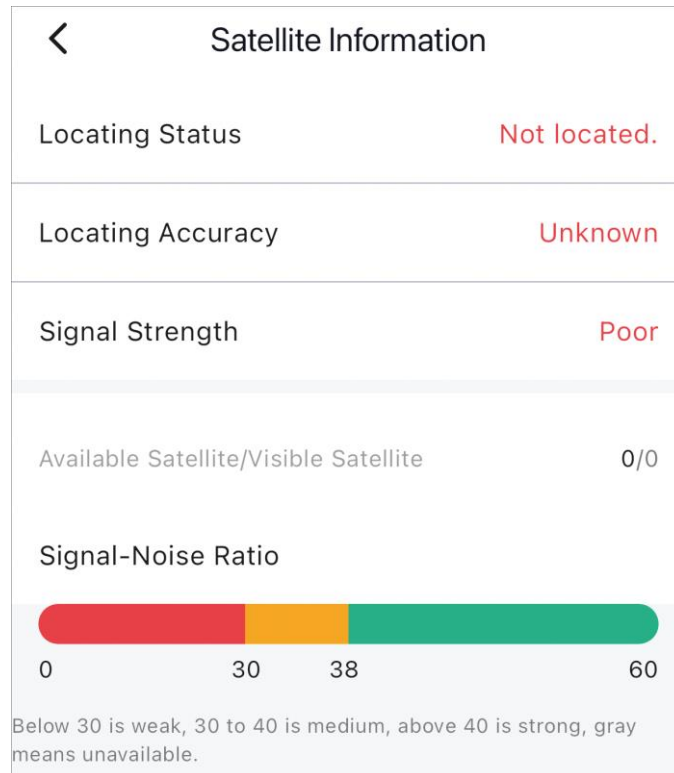


Figure 1-31 Satellite Information Monitoring

- View Locating Status

Locating Status: Displays the current positioning state. For example, Not Positioned indicates no valid GPS lock. A valid GPS lock enables the dashcam to record precise coordinates, speed, and direction, which is critical for reconstructing travel routes or verifying incidents.

Locating Accuracy: Shows the current accuracy level with a numerical value in parentheses. A lower value indicates better accuracy.

Signal Strength: Indicates overall signal quality. For example, Poor suggests weak or no satellite signal reception. Satellite signals provide highly accurate timestamps, ensuring that video recordings and event logs are synchronized with real time. This is vital for legal or insurance purposes. Without stable satellite signals, location data may be missing or inaccurate, reducing the evidential value of recorded footage.

- Check Available Satellites

Available Satellite/Visible Satellite: Displays the number of detected satellites in the format "X/Y", where X represents usable satellites and Y represents total visible satellites.

- Monitor signal-to-noise Ratio (SNR)

The SNR bar graph visually represents signal quality across a range of 0 to 60:

- Red zone (0 to 30): Weak signal

- Orange zone (30 to 40): Medium signal
- Green zone (40 to 60): Strong signal
- Gray zone: Unavailable/No data

 Note

Parameters such as signal strength, SNR, and the number of available/visible satellites help users assess whether the dash cam is operating under optimal conditions. Weak signals or insufficient satellites may lead to positioning delays or failures, especially in urban canyons or tunnels.

1.8 System Maintenance

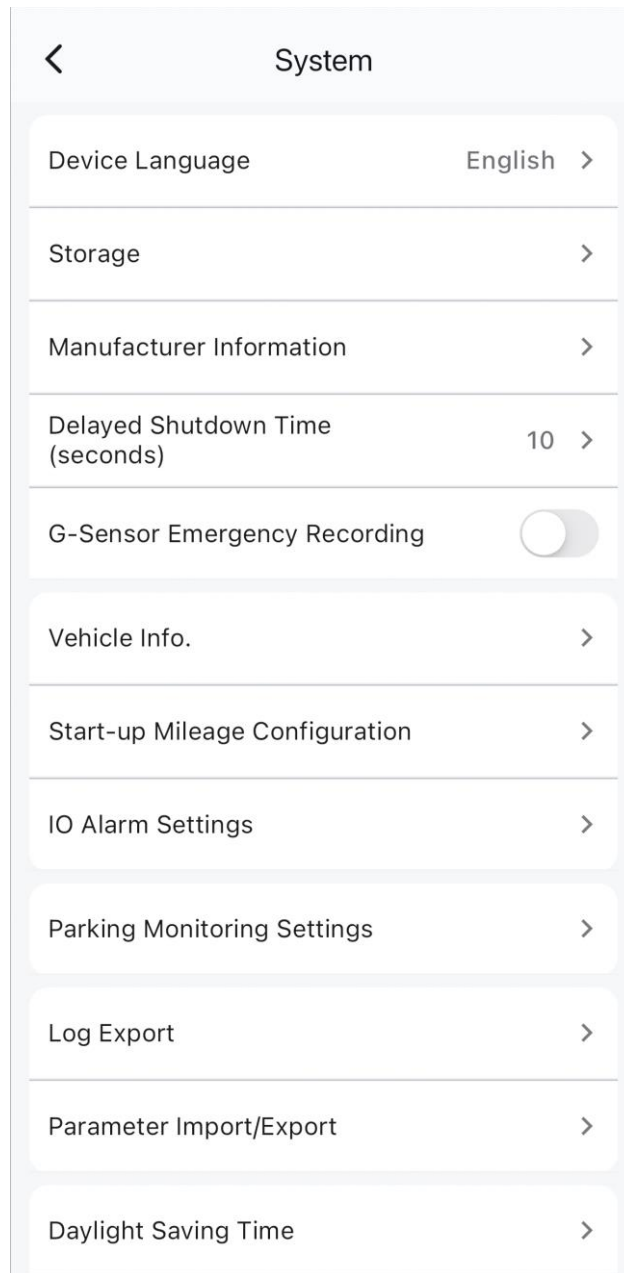


Figure 1-32 System Settings

- Device Language

Click **System** -> **Device Language** to enter the language selection page, supporting multi-language switching. Operate this item when the user needs to change the display language.

- Storage

Click **System** -> **Storage** to enter the device storage space management page, where you can view used/available space and clear cache. Regular checking is recommended to avoid functional abnormalities caused by insufficient storage.

- **Manufacturer Information**

Click **System** -> **Manufacturer Information** to view hardware information such as device manufacturer, model, and serial number, used for after-sales service or device identification.

- **Delayed Shutdown Time (seconds)**

For example, "10" indicates the device delays shutdown for 10 seconds after receiving the command. Users can modify this value as needed (recommended minimum value: 10 seconds) to prevent immediate power-off due to accidental operation.

- **G-Sensor Emergency Recording**

When **System** -> **G-Sensor Emergency Recording** is enabled, the device will automatically trigger emergency video recording and lock the clip if the vehicle experiences severe vibration or collision.

**Note**

Ensure sufficient storage space when enabled, otherwise normal recording functions may be affected.

- **G-Sensor Sensitivity**

Click **System** -> **G-Sensor Sensitivity** to select from three sensitivity levels:

- **Low:** Suitable for smooth driving scenarios, reducing false triggers.
- **Middle:** Default recommendation, balances sensitivity and false alarm rate.
- **High:** Suitable for bumpy road conditions or scenarios requiring high sensitivity recording.

**Note**

Selecting **High** may increase the risk of false recordings; adjust based on actual road conditions.

- **Vehicle Info.**

Click **System** -> **Vehicle Info.** to enter the basic vehicle information settings page, where you can fill in details like license plate number, vehicle model, VIN code, etc., used for log association and vehicle identification.

- **Start-up Mileage Configuration**

Click **System** -> **Start-up Mileage Configuration** to enter the mileage statistics settings upon vehicle startup. Configure options such as whether to reset the odometer and the starting mileage value. Suitable for fleet management or mileage auditing.

- **IO Alarm Settings**

Click **System** -> **IO Alarm Settings** to enter the external input/output port alarm configuration. Set digital input trigger conditions (e.g., door open, vibration) and corresponding alarm actions.

- **Parking Monitoring Settings**

Click **System** -> **Monitoring Settings** to configure monitoring strategies when the vehicle is parked. Set motion detection sensitivity, recording duration, power threshold, etc., to ensure security while the vehicle is stationary.

- Log Export

Click **System** -> **Log Export** to export system operation logs, alarm records, GPS tracks, and other data for troubleshooting or data analysis.

- Parameter Import/Export

Click **System** -> **Parameter Import/Export** to export the current device configuration parameters as a file, or import configurations from a file. Suitable for batch deployment or configuration restoration.

- Daylight Saving Time

Click **System** -> **Daylight Saving Time** to enter the automatic daylight saving time adjustment page. Enable/disable DST offset to ensure timestamp accuracy. Suitable for cross-time zone application scenarios.

- NTP Timing

Click **System** -> **NTP Timing** to enter the network time protocol configuration page. Set the NTP server address and synchronization interval to ensure the device time matches the standard time and avoid log timestamp errors.

- Partly Restore Default Settings

Click **System** -> **Partly Restore Default Settings** to selectively restore specific modules (e.g., network, alarms, storage) to factory default values without affecting user-customized data.

- Restore Factory Settings

Click **System** -> **Partly Restore Default Settings** to clear all user configurations and restore the device to its initial state. Be sure to back up important parameters before performing this operation.

- Reboot Device

Click **System** -> **Reboot Device** to restart the device immediately. It is used to apply new configurations or resolve temporary software abnormalities. The device will be briefly offline during reboot.

1.9 Vehicle Management

Click **Vehicle** -> + **Add** on the main interface to enter the vehicle addition page.

Figure 1-33 Add Vehicle

- **License Plate No.:** (Required) Enter the license plate number of your vehicle.
- **Device Serial Number:** (Required) Enter the device's serial number.

Click **Direct connection to obtain device serial number >** to automatically retrieve the serial number by directly connecting to the device.

**Note**

If automatic retrieval fails, manually enter the 12-digit serial number found on the back of the device or its packaging box.

- **Organization name:** (Required) Click the arrow on the right to select the affiliated organization.

This field is used to assign the vehicle to a specific organizational structure, facilitating permission management and data isolation.

**Note**

If no organization is available, please go to the **Mine** tab page to create an organization first, then return to this page to configure.

After confirming that all fields are correctly filled, click **OK** in the upper right corner to complete the addition. Upon successful addition, the system will automatically return to the vehicle list page and display the newly added vehicle information.

**Note**

If the addition fails, check whether the device serial number is correct, the network connection is stable, and ensure the organization has been correctly selected.

After adding, you can click on the vehicle to enter its details page for further operations such as device binding and parameter configuration.

**Note**

To add more vehicles, repeat the steps above.

Chapter 2 HCP Platform Settings

The HikCentral Professional (hereinafter referred to as HCP) platform connects to the device via ISUP5.0. On the HCP platform, you can test the registration of the device, preview, capture, playback/download videos, view the track playback, view alarms, and others.

2.1 Platform Login

To manage your device on the platform, ensure you have enabled ISUP5.0 platform and enter the platform parameters accordingly on HikDashcam. See **Platform Settings** for details.

Step 1 Download and install the Web Control Plugin at, for instance, <https://123.157.208.28:448/#/portal/>. After installation, refresh to enable the plugin.

Step 2 Log in to the HCP platform with the username and password.

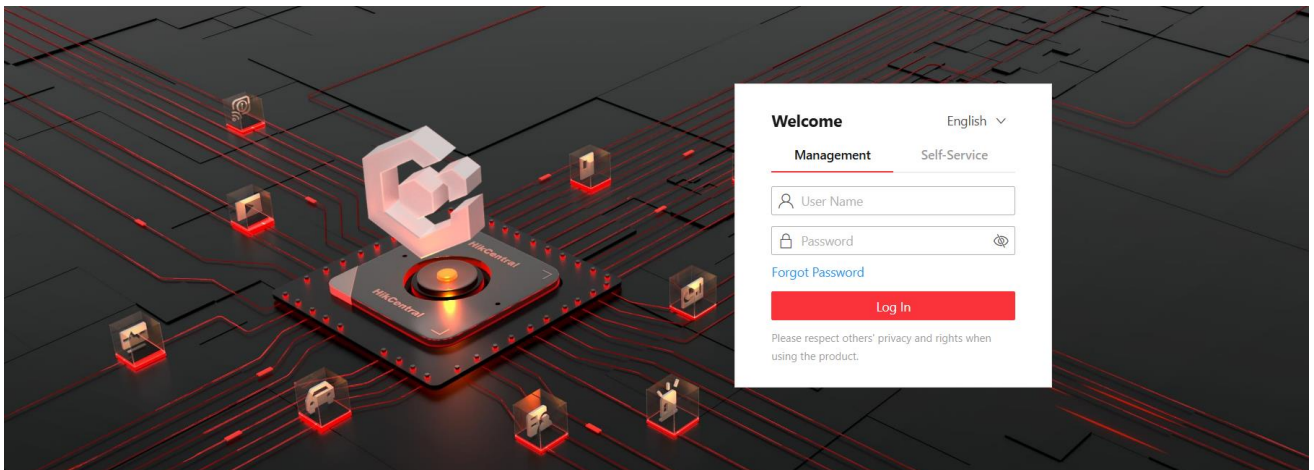


Figure 2-1 Login Interface of HCP Platform

2.2 On-Board Device Addition

If an on-board device supports the ISUP protocol, you can add it to the platform by its device ID. This way is cost-effective when you need to manage an on-board device on the public network without a fixed IP address.

Note

You should follow the instructions to install the web control properly and then the online device detection function will be available.

Step 1 On the top left of the Web Client, click **Device** -> **Device and Server** -> **On-Board Device**.

Step 2 Click **Add**.

Figure 2-2 Add On-Board Device

Step 3 Set basic information.

1. Select the adding mode.
2. Configure the related parameters.

Step 4 (Optional) Set picture storage.

1. Switch on **Picture Storage**.
2. Select a storage location.
 - If you select **Local Storage**, you need to click **Configure** to configure picture storage on the SYS server.
 - If you select **Hybrid SAN (CVR)**, **Cluster Storage**, **pStor**, or **NVR**, you need to select a storage medium from the drop-down list.

Step 5 Set device's time zone.

- **Get Device's Time Zone:** The time zone of the device will be automatically chosen according to the region of the device.
- **Manually Set Time Zone:** You can select a time zone and the settings will be applied to the device automatically

Step 6 Set resource information.

1. Select a streaming server.

2. (Optional) Check **Get Device's Recording Settings** to get cameras' recording settings configured on the on-board device.

Step 7 Click **Add** to finish or click **Add and Continue** to add another on-board device.

Step 8 (Optional) Perform the following after adding the device(s).

Edit On-Board Device	On the device list, click the name of an on- board device to edit it.
Configure On-Board Device Remotely	On the device list, click  in the Operation column to configure an on-board device remotely.
Reset Device's Time Zone	On the device list, select one or multiple on- board devices and click Time Zone to edit their time zones.
Delete On-Board Device	Select one or multiple devices and click Delete to delete them.
Search for On-Board Device(s)	Enter key words in the search box and click to search for specified on-board device(s)

2.3 Driving Monitoring

On the Driving Monitoring page, you can monitor driving vehicles to get their real-time information such as locations, speeds, and events. You can also play the live videos streamed from vehicle-mounted cameras, talk to drivers via two-way audio, track vehicles in real time, play back the tracks vehicles have traveled along, and add vehicles to the favorites list for quick and easy management. The following simply introduces the basic live view and playback operations. For other operations, please refer to the platform manual for details.

2.3.1 Live View

Step 1 On the top navigation bar, click **On-Board Monitoring** -> **Driving Monitoring**.

Step 2 Search for the ID of the device.

Step 3 Click the channel at which you want to preview.

2.3.2 Playback

On the preview window, click **Playback** to play recordings.

2.4 Alarm Settings

You can choose the alarm to be uploaded to the HCP platform and their sources, and recipients of the alarm.

Step 1 Click **Event and Alarm** -> **Event and Alarm Configuration** -> **Normal Event and Alarm**.

Step 2 Click **Add**.

Step 3 For **Triggering Event**, click **On-Board Monitoring** -> **Vehicle** and choose the ADAS and DSM alarms that you want to upload.

Step 4 Add or choose the resource(s).

Step 5 Set other related parameters.

Step 6 (Optional) Enable **Trigger Alarm** at **Alarm Settings**, and set the priority, recipients and others.

Step 7 (Optional) Click **Event and Alarm** -> **Event and Alarm Search** to view, search, or export the alarm information.

2.5 Device Vehicle Information Settings

You can view the vehicle(s) related to your device(s) and set the vehicle information accordingly.

Step 1 Click **Device** -> **Area**.

Step 2 Select the area the vehicle belongs and click **Vehicle**.

Step 3 Click the vehicle license plate No. to enter the vehicle information setting page.

Vehicle Information

*License Plate No.

test

Driver / Driver Group

Please select. ▾

None ▾

Vehicle Type

None ▾

Color

None ▾

Brand

None ▾

Fuel Tank Model

None ▾

Vehicle Picture



Device Information

*Link Device

test ▾

Save

Cancel

Figure 2-3 Vehicle Information Settings

Step 4 Set license plate No., driver / driver group, vehicle type, color, brand and others.

Step 5 Click **Save**.

Chapter 3 HAT Cloud Platform Settings

The HAT Cloud platform supports location monitoring, video preview, trajectory playback, video playback, alarm handling, alarm data analysis, etc.

3.1 Platform Login

Before You Start

To manage your device on the platform, ensure you have enabled HAT Cloud and configure the platform parameters accordingly on HikDashcam. See **Platform Settings** for details.

Step 1 Open a browser and enter the HAT Cloud platform address: <https://sg.hat-cloud.com:8045>.

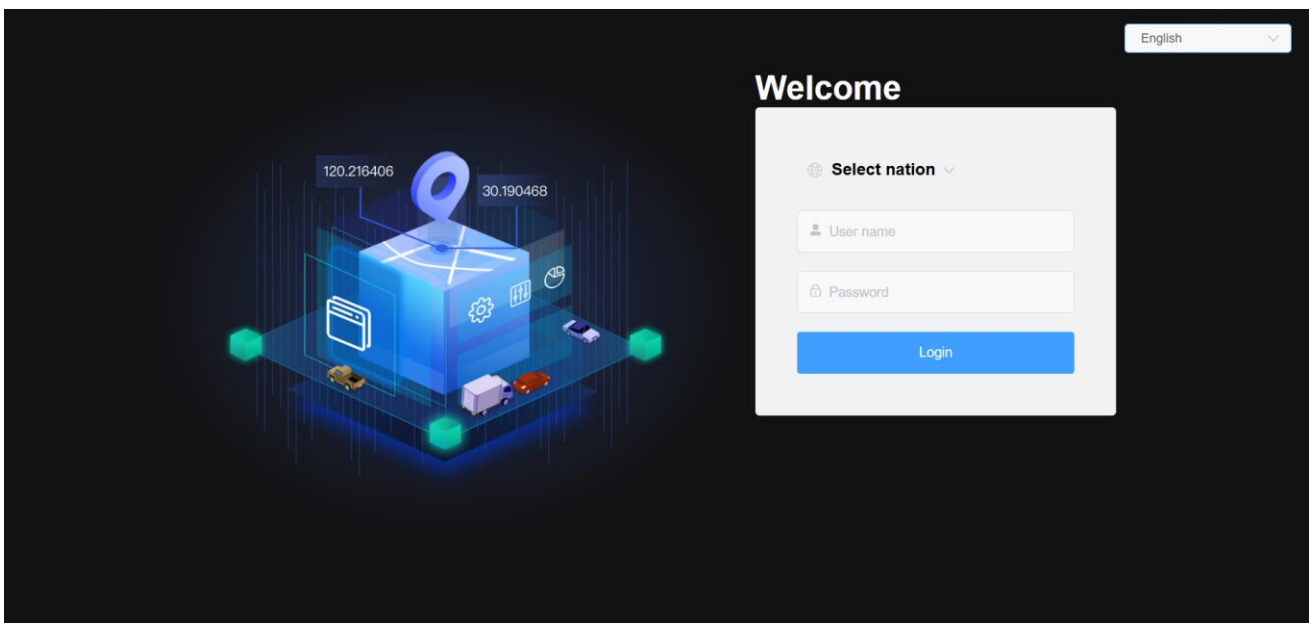


Figure 3-1 Log In to HAT Cloud

Step 2 Download and install the Web Control Plugin if prompted. After installation, refresh the page to activate the plugin.

Step 3 Select your country from the list provided.

Step 4 Log in to the HAT Cloud platform using your username and password.

3.2 Resource Management

3.2.1 Add and Bind Vehicle

Step 1 Click **Resource Management** -> **Vehicle Management**.

Step 2 Select a secondary or lower-level organization in the left tree, and click **Add** to enter the vehicle addition page.



Note

Vehicles cannot be added to the root directory.

Step 3 Configure the vehicle information and license plate number as required.

Vehicle Info

Basic Info [Custom View](#)

Plate No. Organization Plate No. Color

Body Color VIN Occupancy

Seats Vehicle Length(m) Vehicle Width(m)

Vehicle Height(m) Fuel Type Purchase Date

Insurance Expiry Manager Manager Phone

Frozen ☐ Yes ☒ No Attributes Service Start Time

Service End Time Auto-Freeze? ☐ Yes ☒ No Vehicle Model

Notes

Devices

Search SN To Add

Click + To Add

Device Type	Protocol	Current Timezone	Manufacturer	SN	Camera Channels	SIM No. Or Phone Number	Operation
Main	808	UTC+8:00	Hikvision	CH7383510	3		Unlink Delete

Drivers [Expand](#) [Cancel](#) [Confirm](#)

Figure 3-2 Vehicle Information Settings

Step 4 Optional: Bind the device in the device list.



Note

Both added device bindings and new device bindings are supported.

- When adding a device binding, enter the terminal phone number of the added device (with fuzzy query support) to quickly bind the device (only devices under the current organization can be searched).
- When binding a new device, enter the terminal phone number to quickly add and bind the new device.

Step 5 Optional: Configure associated driver information, which automatically sends photos to associated online devices when associated driver information contains photos.



Note

The platform also supports batch import of vehicles via excel templates, selecting drivers for batch binding and unbinding vehicles, sending driver information associated with vehicles to associated online devices for driver face attendance, etc. For details, please refer to the HAT Cloud User Manual.

3.2.2 Add Device

Step 1 Click **Resource Management** -> **Device Management**.

Step 2 Select an organization in the left tree, and click **Add** to enter the device addition page.

Step 3 Configure information such as organization, access protocol, time zone, device manufacturer, terminal phone number, number of video channels, model, etc.

The 'Add Device' dialog box contains the following fields and options:

- Organization: G40V2
- * Protocol: 808
- * Current Timezone: Select timezone
- SIM Type: Select SIM type
- SIM No. Or Phone Number: SIM No. Or Phone Number
- * Manufacturer: Hikvision
- * SN: Enter SN
- * Camera Channels: 1
- Device Name: Enter device name
- Device Model: Select device model

Buttons: Cancel, OK

Figure 3-3 Add Device

Upon successful vehicle and device addition, the device will go online.

Note

- Select the desired device and click **Configure** to set the channel number if the device channel number changes.
- Batch configuration of devices is supported.

3.2.3 (Optional) Add Driver

Step 1 Click **Resource Management** -> **Driver Management**.

Step 2 Select an organization in the left tree, and click **Add** to enter the driver addition page.

Step 3 Enter the driver's name and gender to add a single driver.

Driver Info

Basic Info

Name

Enter name

Organization

G40V2

Gender

☒ Male
☐ Female

Driver Code

Enter driver code

Cancel

OK

Figure 3-4 Driver Information Setting

Driver's license information can also be entered, and after adding the driver's photo, the photo will be automatically downloaded to the associated online device.

3.3 Vehicle Monitoring

3.3.1 Location monitoring

Step 1 Click **Vehicle Monitoring** -> **Vehicle Positioning Surveillance**.

Step 2 Select the device or vehicle(s) in the left organization vehicle tree for vehicle location monitoring, which mainly shows real-time location information of the vehicle(s).

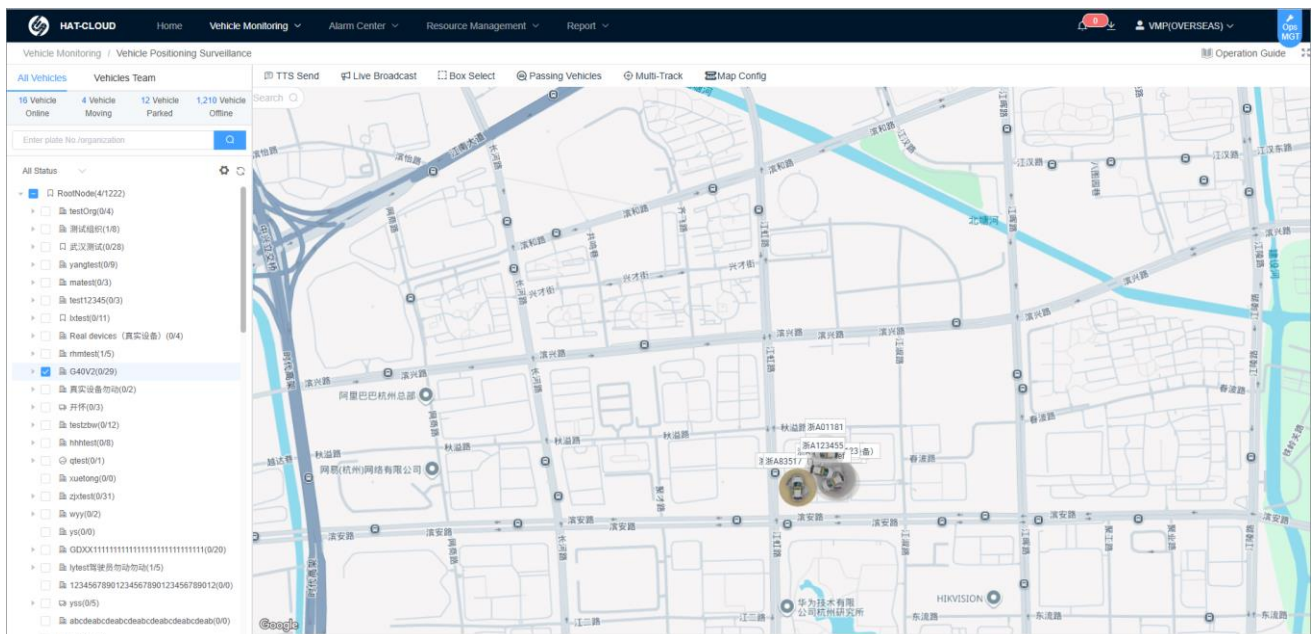


Figure 3-5 Location Monitoring



Note

If you select a device, real-time location information of all vehicles bound to the device will be shown.

3.3.2 Multi-Screen Preview

The multi-screen preview feature can preview multi-vehicle multi-path video footage.

Step 1 Click **Vehicle Monitoring** -> **Multi-Screen LiveView**.

Step 2 Select the vehicle in the left organization vehicle tree.

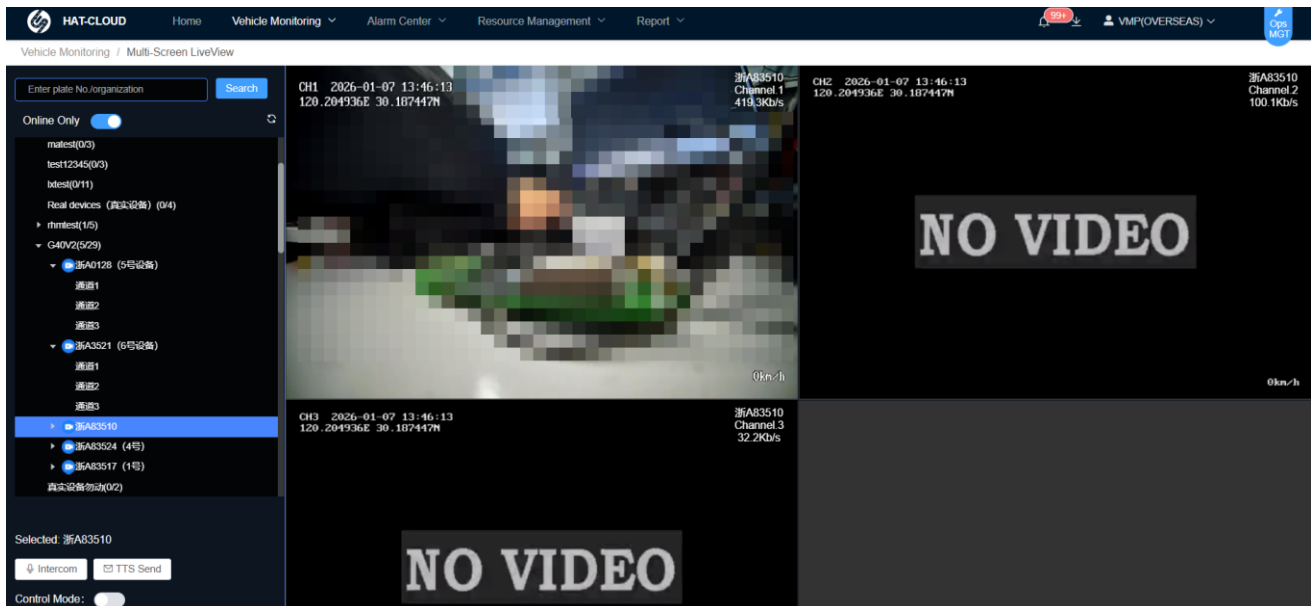


Figure 3-6 Multi-Screen LiveView

The preview of vehicle video footage is displayed in real time in the right video playback area, supporting simultaneous preview of multiple channels, overlay of channel number and video transfer rate, etc.

Step 3 Optional: Double-click a single channel to enter the single-screen liveview mode.

Note

You can use the corresponding buttons at the bottom of each channel to perform multiple operations as needed, including the Play/Stop Preview button, Standard/High Definition Switch Preview button, Preview Screen rotation button, Turn On/Off Sound button, Local Screenshot button, and Full Screen Display button. For details, please refer to the HAT Cloud User Manual.

3.3.3 Trajectory Playback

Step 1 Click **Vehicle Monitoring** -> **History Playback**.

Step 2 Select a vehicle by license plate No. in the organization vehicle tree.

Step 3 Set start time and end time in the calendar bar and click **Search** to query and replay historical trajectories.

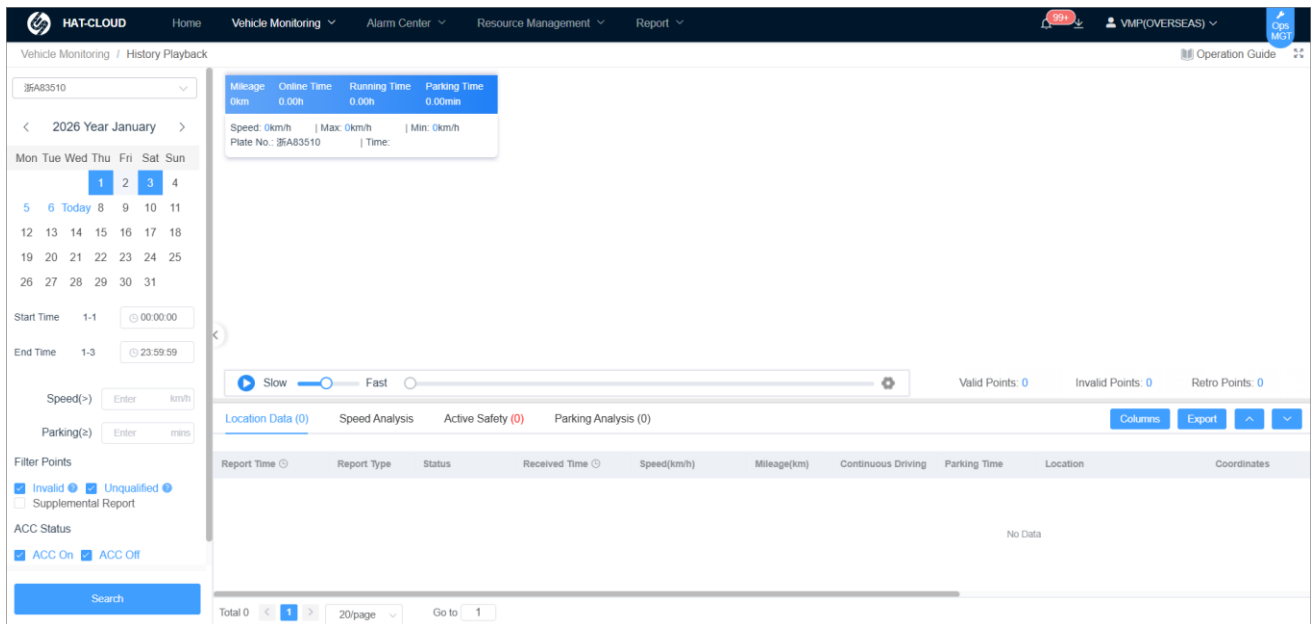


Figure 3-7 Trajectory Playback

The trajectory detail information page supports location data query, speed analysis, active safety statistics, and parking analysis.

3.3.4 Video Playback

Step 1 Click **Vehicle Monitoring** -> **Video Playback**.

Step 2 Select a vehicle by license plate No. in the organization vehicle tree.

Step 3 Select the date and set start/end time conditions in the calendar bar and click **Search** to access the video playback page, which supports fuzzy search for vehicles and channel selection for video playback.

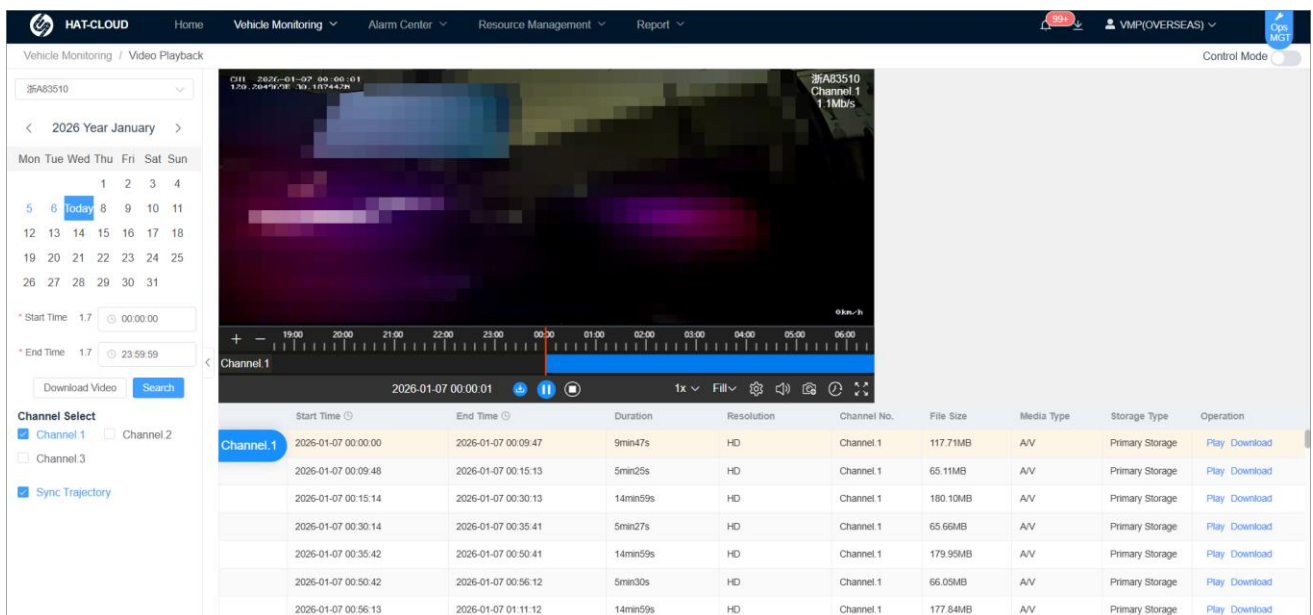


Figure 3-8 Video Playback

Note

- Video playback supports multi-channel playback. Currently, up to 2 channels are supported. Click on the channel name to switch between different channels for playback.
- You can also play or download the specified video as needed.

3.4 Alarm Center

In the alarm center, users can view alarm records generated by devices and platforms, configure alarm rules, view and count alarm handling, and provide data analysis for alarm data.

3.4.1 Alarm Rule Settings

Step 1 Click **Alarm Center** -> **Alarm Rule Setting**.

Step 2 View the list of alarm rules, filter alarms by alarm name, type, risk level, reminder method, whether to count, whether to focus, whether to platform record, and how to handle, or perform edit operations.

Alarm Name	Alarm Level	Risk Level	Alarm Method	Handling Method	Category	Counted	Key Focus	Log Record	Operation
☐ Blind Spot Information Alarm	Default	High	Popup, Sound, Effect	Manual	CMBS Alarm	No	☐	☒	Edit
☐ Camera Obstruction Alarm	Default	High	No Alarm	No Action	DSM Alarm	Yes	☐	☒	Edit
☐ Camera Signal Loss Alarm	Default	Normal	No Alarm	Manual	Vehicle Alarm	No	☐	☒	Edit
☐ Cell Phone Usage Detected	L1 Alarm	Critical	Popup, Sound, Effect, Quick Popup	System	DSM Alarm	Yes	☒	☒	Edit
	L2 Alarm	High	No Alarm	Manual					
☐ Cockpit Overcrowding Alarm	Default	Normal	No Alarm	System	DSM Alarm	Yes	☐	☒	Edit
☐ Collision Alarm	Default	Normal	Sound	No Action	ADAS Alarm	Yes	☐	☒	Edit
☐ Continuous Over-time Driving Alarm	Default	Normal	No Alarm	No Action	Vehicle Alarm	Yes	☐	☒	Edit
☐ Cumulative Driving Time Exceedance	Default	Normal	No Alarm	No Action	Vehicle Alarm	Yes	☐	☒	Edit
☐ Digital Tachograph Failure	Default	Normal	No Alarm	No Action	Vehicle Alarm	Yes	☐	☒	Edit
☐ Display Unit Failure	Default	Normal	No Alarm	No Action	Vehicle Alarm	Yes	☒	☒	Edit

Figure 3-9 Alarm Rule Settings

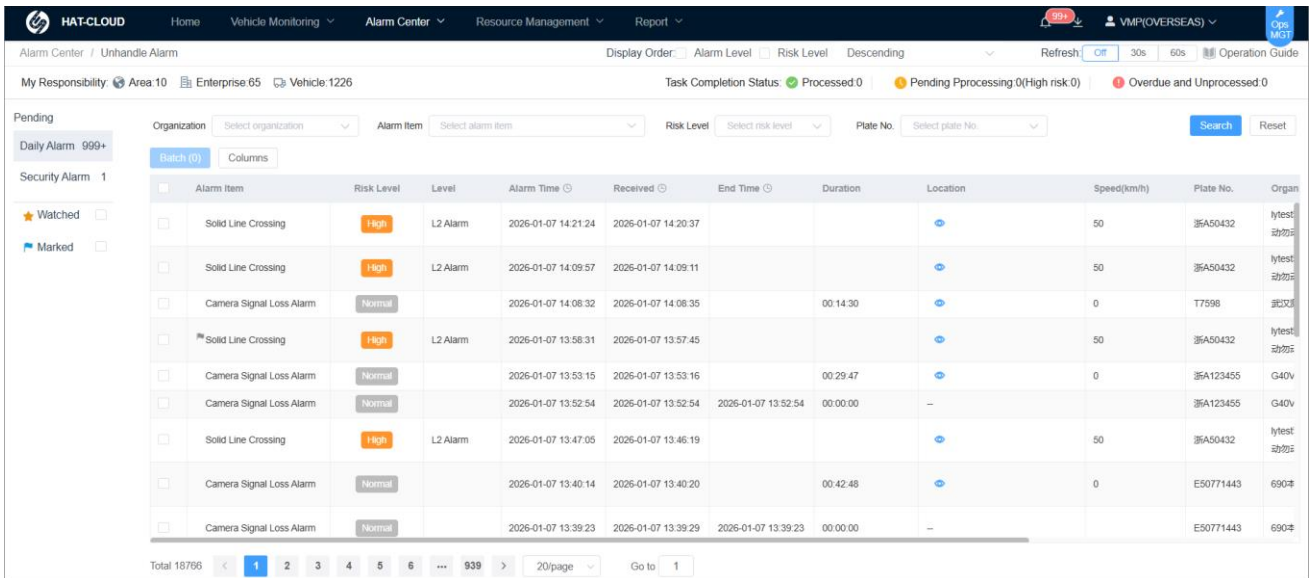
Step 3 Optional: Click **Adv Config** to perform advanced configuration, including:

- Configurable the number of alarm timeliness days (default 1 day), the time when alarms stop pushing each day (no further push of pending alarms after the configured time each day is reached).
- Configure the validity period of pending alerts. Once the validity period is exceeded, pending alerts will be automatically cleared from **Pending Alerts** and recorded as unprocessed alerts within the validity period.
- Choose whether to enable the delayed reporting processing configuration. Delayed reporting means that the alarm item is reported after a certain period of time.

- Set the handling method for the delayed reporting alarm item.

3.4.2 Pending Alerts

Click **Alarm Center** -> **Unhandle Alarm** or  to enter the pending alarm page, where you can view the basic alarms and safety warnings that have been configured and require manual processing and are within the validity period of alarm processing but have not been processed. You can filter and view the alarms to be processed by alarm type, license plate number, organization, risk level, marking, and concern.



Alarm Item	Risk Level	Level	Alarm Time	Received	End Time	Duration	Location	Speed(km/h)	Plate No.	Organ
Solid Line Crossing	High	L2 Alarm	2026-01-07 14:21:24	2026-01-07 14:20:37				50	浙A50432	lytest
Solid Line Crossing	High	L2 Alarm	2026-01-07 14:09:57	2026-01-07 14:09:11				50	浙A50432	lytest
Camera Signal Loss Alarm	Normal		2026-01-07 14:08:32	2026-01-07 14:08:35		00:14:30		0	T7598	武汉
Solid Line Crossing	High	L2 Alarm	2026-01-07 13:58:31	2026-01-07 13:57:45				50	浙A50432	lytest
Camera Signal Loss Alarm	Normal		2026-01-07 13:53:15	2026-01-07 13:53:16		00:29:47		0	浙A123455	G40v
Camera Signal Loss Alarm	Normal		2026-01-07 13:52:54	2026-01-07 13:52:54	2026-01-07 13:52:54	00:00:00	-		浙A123455	G40v
Solid Line Crossing	High	L2 Alarm	2026-01-07 13:47:05	2026-01-07 13:46:19				50	浙A50432	lytest
Camera Signal Loss Alarm	Normal		2026-01-07 13:40:14	2026-01-07 13:40:20		00:42:48		0	E50771443	690#
Camera Signal Loss Alarm	Normal		2026-01-07 13:39:23	2026-01-07 13:39:29	2026-01-07 13:39:23	00:00:00	-		E50771443	690#

Figure 3-10 Pending Alerts

Note

The platform also supports evidence center, alarm record, early warning ledger, etc. For details, please refer to the HAT Cloud User Manual.

3.4.3 Data Analysis

Click **Alarm Center** -> **Alarm Intervention Records** to query alarm intervention records by intervention time period, intervention person, intervention method and license plate number.

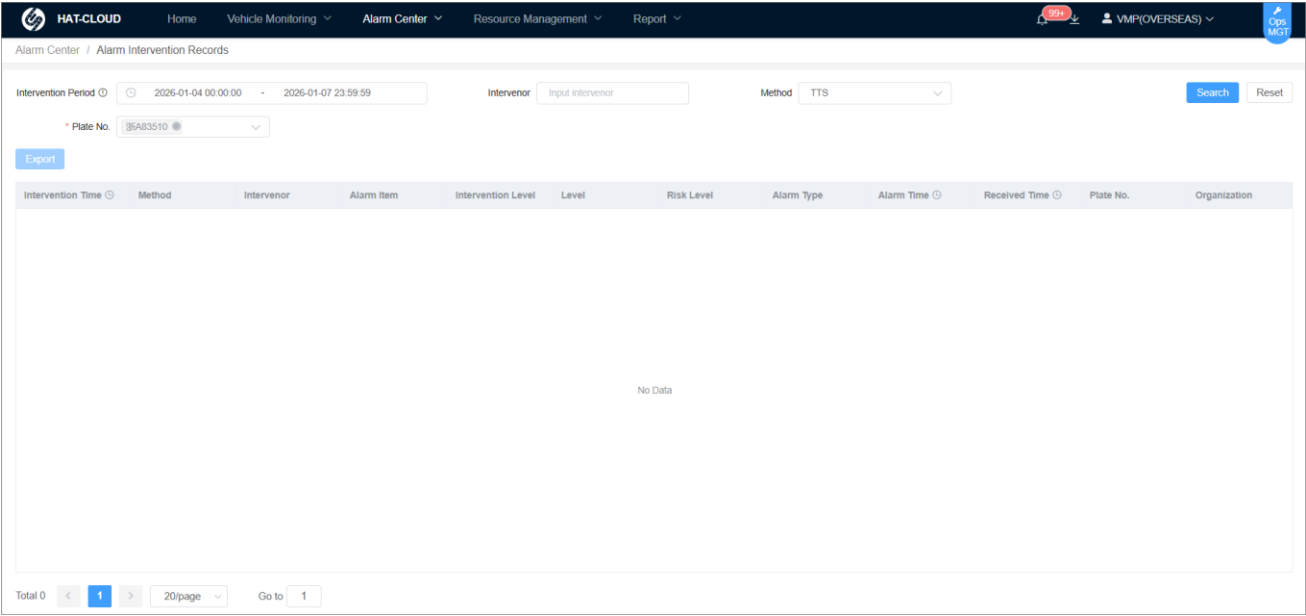


Figure 3-11 Alarm Intervention Records

Click **Alarm Center -> Vehicle Driving Behavior Statistics** to query vehicle driving behavior alarm statistics by organization, alarm item, license plate, time period.

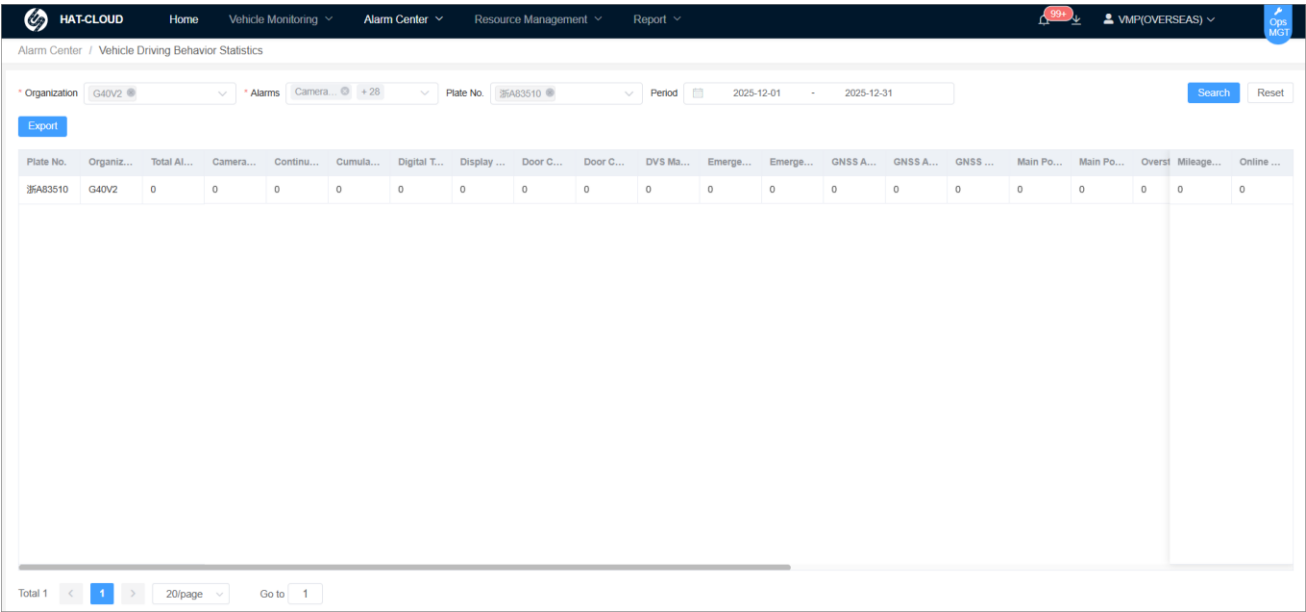
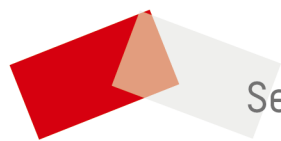


Figure 3-12 Vehicle Driving Behavior Statistics



See Far, Go Further