Brigade

2/1+1 Channel AI Dashcam

C6 Lite 2.0

User Manual

Contents

Preface

About This Product Manual

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Abbreviation Explanation

Acronym	Full Name
ADAS	Advanced Driver Assistance System
DSC	Driver Safety Cabin
DMS	Driver Monitoring System
LDW	Lane Departure Warning
HMW	Headway Monitoring Warning
FCW	Forward Collision Warning

Product Overview

Product Name Description

The C6 Lite 2.0 is a dual-lens model, equipped with one road-facing camera and one cabin-facing camera, while the C6 Lite 2.0-S is a single-lens model, featuring only a road-facing camera (*supports connecting an additional AHD camera*). Unless otherwise specified, this document refers to the product as "C6 Lite 2.0" by default. Please distinguish between these two products.

Product Introduction

The C6 Lite 2.0 is an AI-powered dashcam designed to enhance driver safety and improve fleet management efficiency. Leveraging advanced AI technology, it actively detects risky driving events and unsafe behaviors, providing real-time alerts to drivers to help avoid potential hazards. The system also uploads event data to the fleet management platform for driver training purposes. Additionally, it transmits real-time vehicle location and operational data to the platform, offering high-quality remote communication and video playback to streamline fleet management and boost overall efficiency.

AI Features

The C6 Lite 2.0 uses advanced video analysis technology and machine vision to automatically detect road hazards and unsafe driver behaviors. The system continuously monitors and triggers both visual and auditory alerts to remind the driver to pay attention to safety. Additionally, relevant alarm footage is automatically uploaded to the cloud for real-time monitoring and review.

➢ ADAS Features

		
LDW	**HMW**	**FCW**

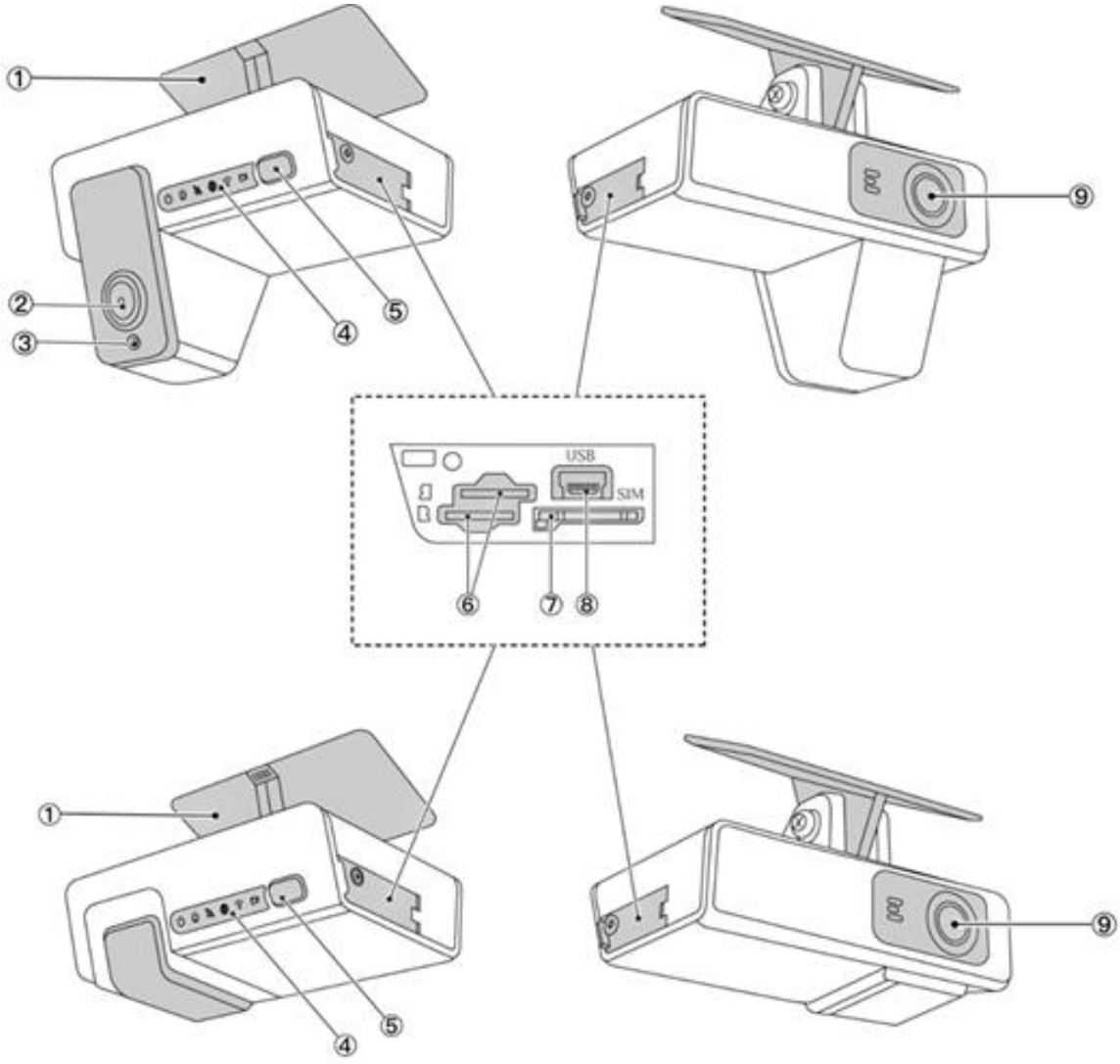
➢ DSC & DMS Features

			
Lens Covering	**Yawning**	**Phone**	**Smoking**
			
Distraction	**No Driver**	**Seat belt**	**Fatigue Driving**

Note	The built-in DSC algorithm doesn't support accurate fatigue driving detection. Only the C6 Lite 2.0-S supports the DMS algorithm and requires a compatible DMS camera, such as CA29M.

Product Appearance and Component Names

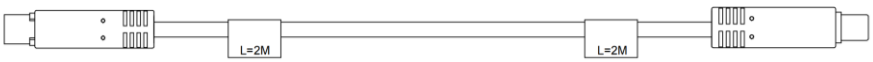
- **C6 Lite 2.0(Top) & C6 Lite 2.0-S(Bottom) Front & Side View**



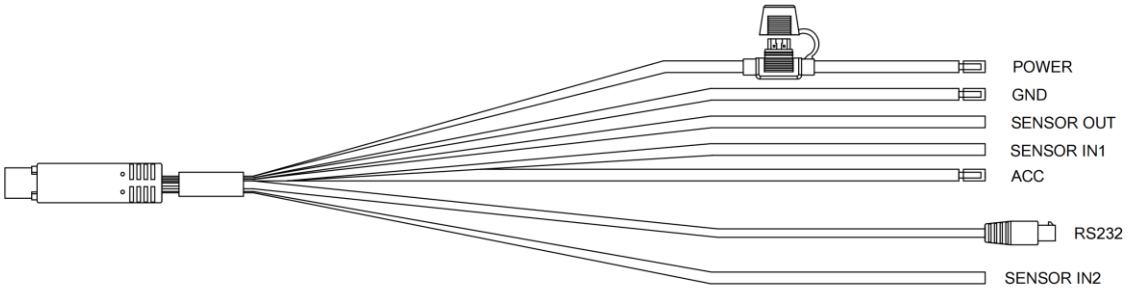
No.	Name	Description
1	**Installation Bracket**	A mounting bracket designed to secure the camera installation. It is equipped with 3M adhesive for firm attachment to glass, is compatible with various vehicle cockpit interiors, and is easy to install. The bracket's adjustable angle ensures an optimal field of view
2	**Cabin-facing Camera**	A built-in, ultra-wide-angle cockpit camera that supports up to 1080P HD recording. The main unit integrates a DSC algorithm capable of detecting various driver behaviors *(Note: This camera is not included in the C6 Lite 2.0-S model)*
3	**Infrared Light**	Provides illumination under low-light or night-time conditions, ensuring that the camera can record clear video in all lighting environments

<table>
<tr><td>4</td><td>Status Indicator Light</td><td>
<table>
<tr><th>Indicator Light</th><th>Icon</th><th>Off</th><th>On / Flashing</th></tr>
<tr><td>Power Indicator</td><td>⏻</td><td>No power supply</td><td>● Power supply normal</td></tr>
<tr><td>Alarm Indicator</td><td>🔔</td><td>No alarm currently</td><td>● (Flashing) Alarm triggered</td></tr>
<tr><td>GPS Signal Indicator</td><td>🛰</td><td>GPS positioning normal</td><td>● Positioning error
● (Flashing) Poor positioning quality</td></tr>
<tr><td>Network Status Indicator</td><td>🌐</td><td>Connected to server</td><td>● Not connected to server
● (Flashing) Airplane mode</td></tr>
<tr><td>WiFi Status Indicator</td><td>📶</td><td>WiFi is in Disable or Client mode</td><td>● AP mode
● WiFi error</td></tr>
<tr><td>Recording Status Indicator</td><td>📹</td><td>Normal recording</td><td>● Recording stopped / Malfunction</td></tr>
</table>
</td></tr>
<tr><td>5</td><td>Function Button</td><td>
<table>
<tr><th>Single Click</th><th>Double Click</th><th>Long Press</th></tr>
<tr><td>Emergency Alarm</td><td>Activate AP Mode</td><td>Enable/Disable Privacy Mode</td></tr>
</table>
</td></tr>
<tr><td>6</td><td>Micro SD Card Slot</td><td>Supports dual Micro SD card storage (up to 1TB each), allowing simultaneous recording of both the primary and secondary video streams, thereby offering flexible storage options for data recording</td></tr>
<tr><td>7</td><td>SIM Card Slot</td><td>Features an integrated 4G communication module, enabling real-time data upload and remote access via the 4G network</td></tr>
<tr><td>8</td><td>Micro USB Port</td><td>Primarily used for maintenance purposes such as firmware updates, device configuration, or troubleshooting</td></tr>
<tr><td>9</td><td>Road-facing Camera</td><td>Equipped with a wide-angle front lens that supports up to 1080P HD recording. The main unit includes an ADAS algorithm capable of detecting road conditions</td></tr>
</table>

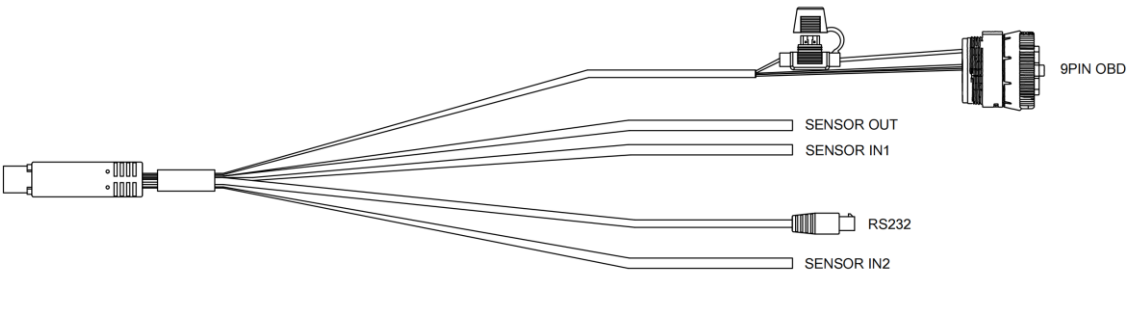
Cables



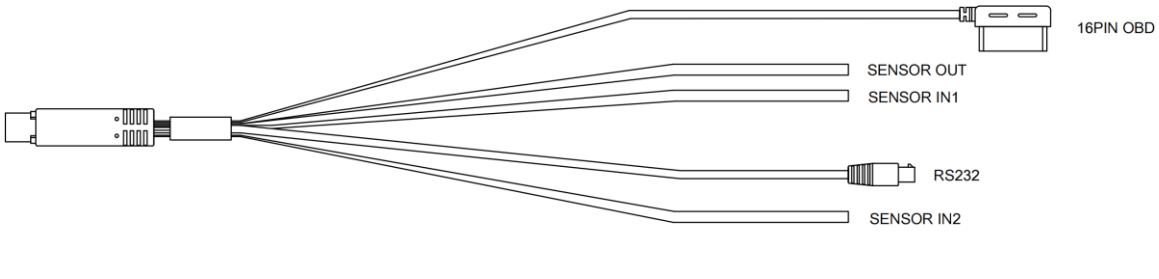
2m Extension Cable — Standard



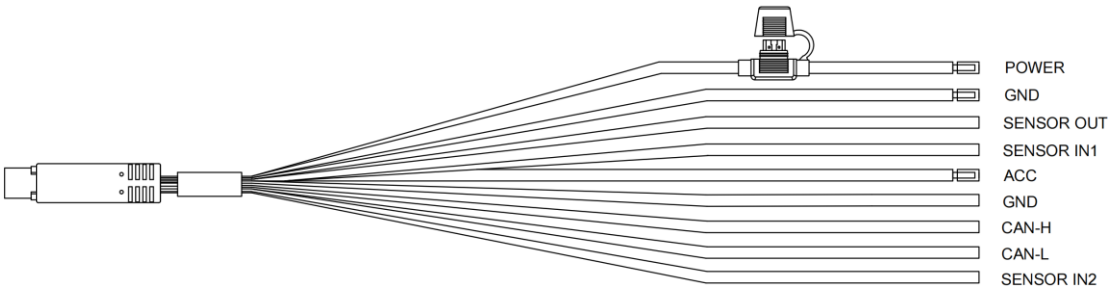
RS232 Version - Open Wire Power Cable — Standard



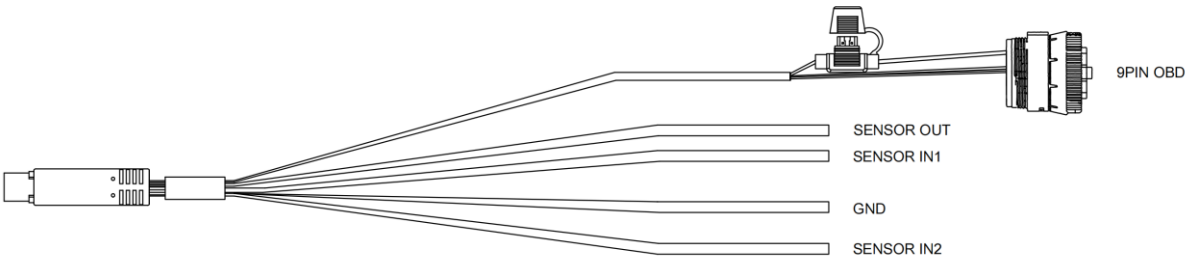
RS232 Version - 9PIN OBD Power Cable — Optional



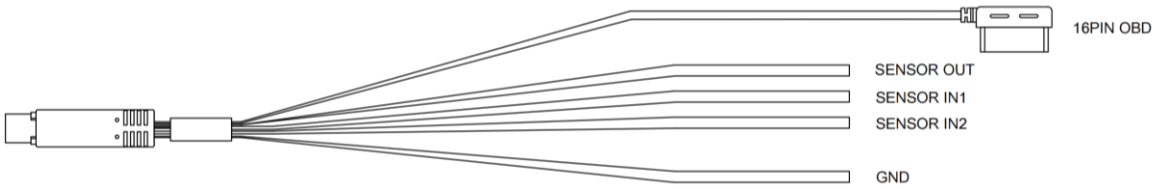
RS232 Version - 16PIN OBD Power Cable — Optional



CAN Version - Open Wire Power Cable — Standard



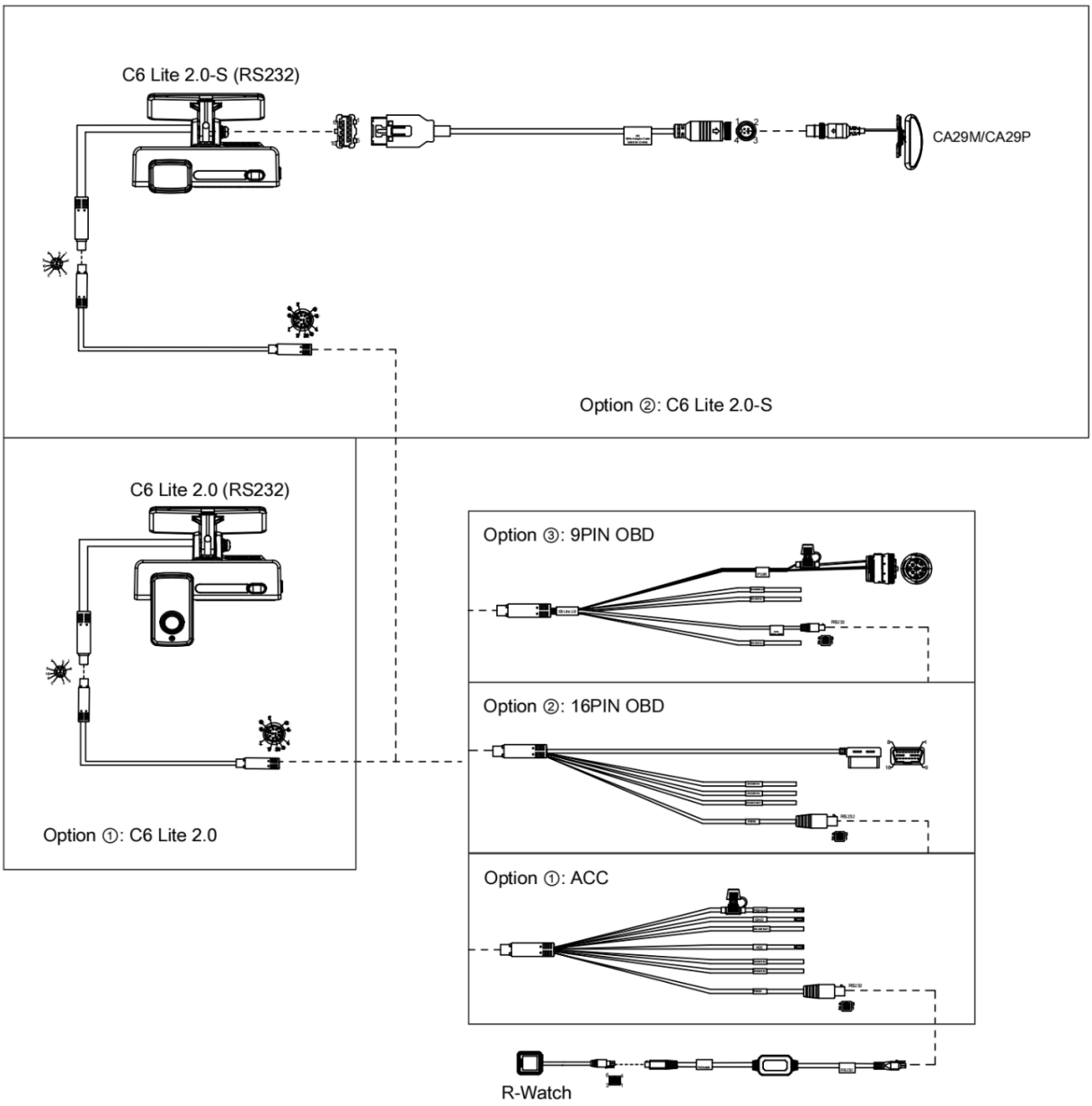
CAN Version - 9PIN OBD Power Cable — Optional



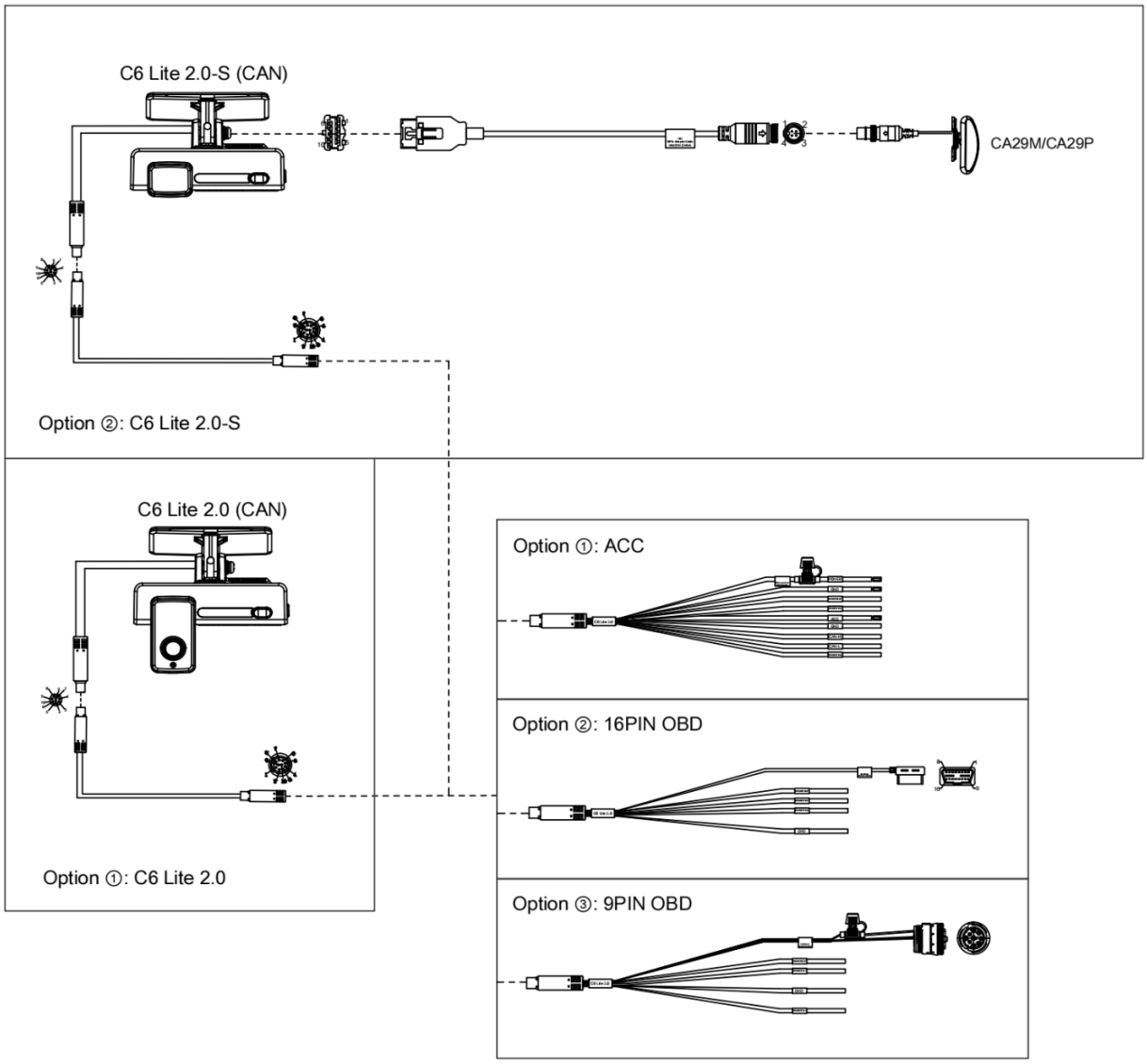
CAN Version - 16PIN OBD Power Cable — Optional

System Connection Diagram

RS232 Version



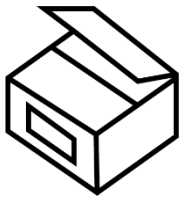
CAN Version


C6 Lite 2.0-S (CAN)
CA29M/CA29P
Option ②: C6 Lite 2.0-S
C6 Lite 2.0 (CAN)
Option ①: C6 Lite 2.0
Option ①: ACC
Option ②: 16PIN OBD
Option ③: 9PIN OBD

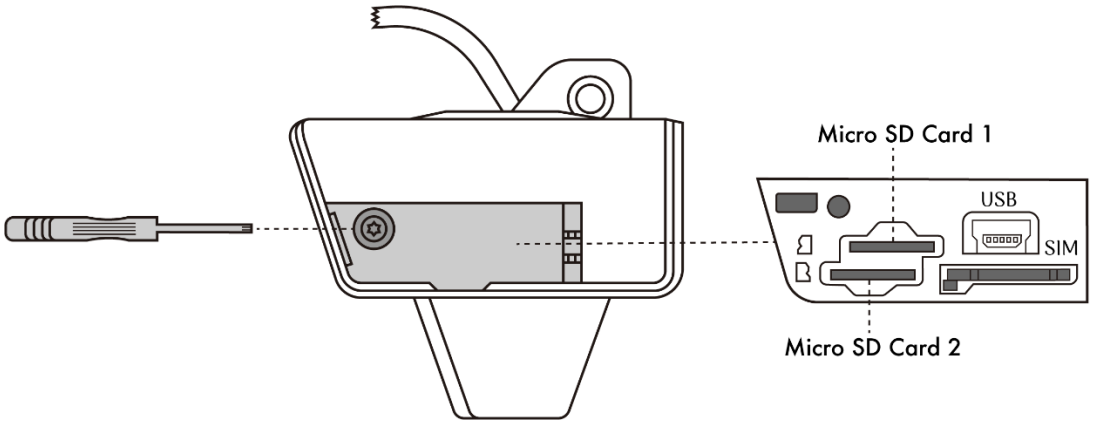
Quick Installation Guide

Preparation Tools

Before installation, please prepare the following materials and tools:

			
Product Kit	**Screwdriver**	**Smartphone/Tablet**	**Micro SD Card**
			
Nano SIM Card	**5m Measuring Tape**		

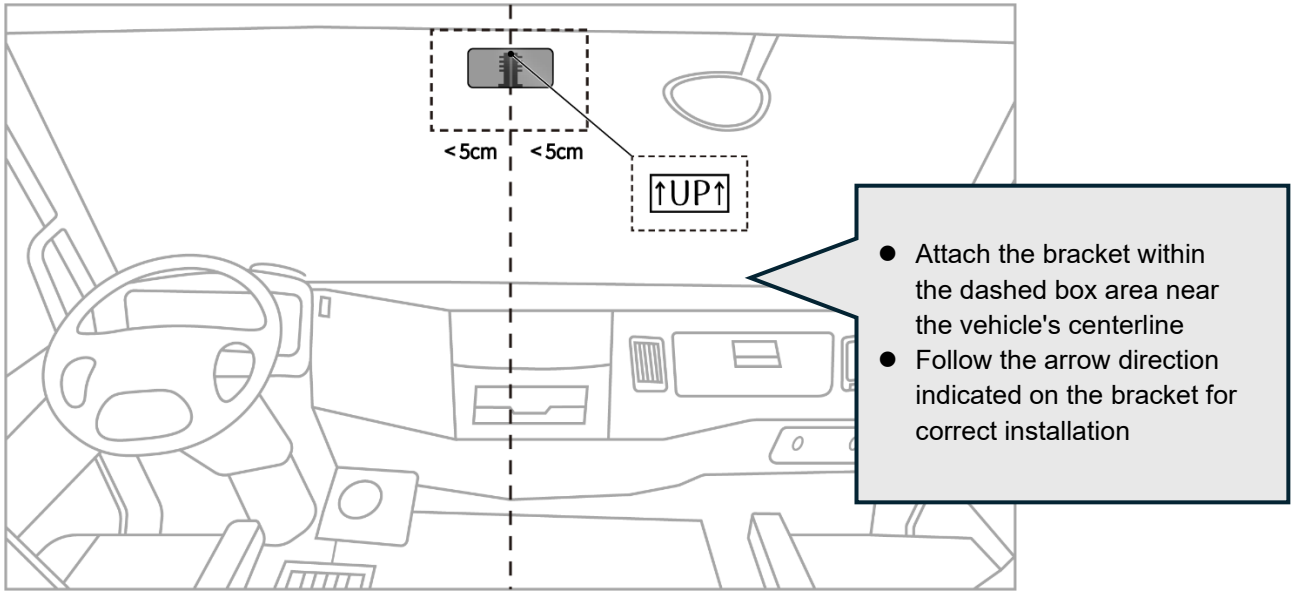
Step 1: Insert SIM Card and Micro SD Card



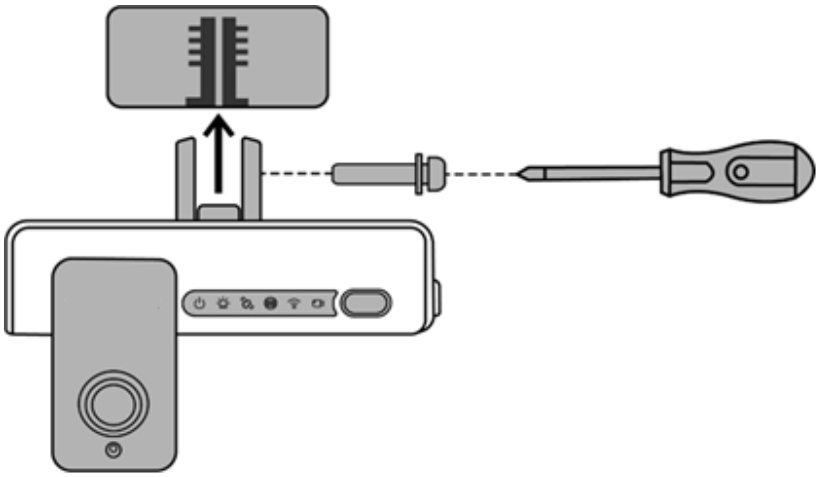
Warning	• Please use an **industrial-grade SIM card (MP2)**. The use of **consumer-grade SIM cards (MP1) is prohibited**. The company is not responsible for any issues caused by using a non-industrial SIM card • The **Micro SD card must be Class 10 or higher**

Step 2: Install the Mounting Bracket

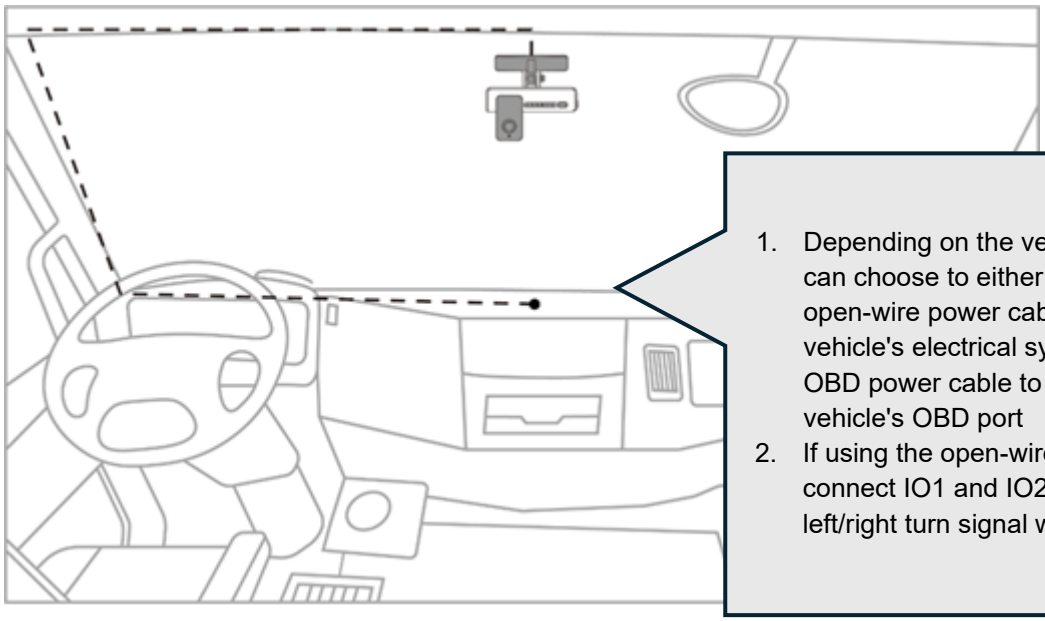
Before installation, ensure the vehicle is parked on a level surface and the engine is turned off



Step 3: Install the Device



Step 4: Wiring and Power Connection



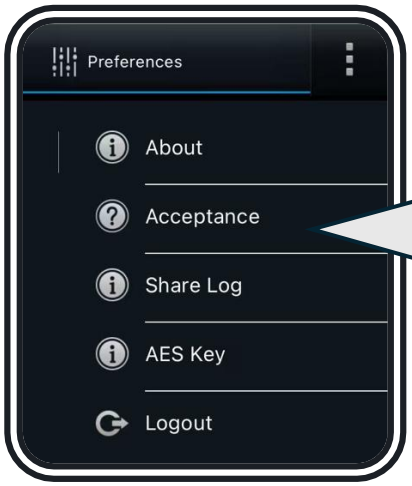
1. Depending on the vehicle model, you can choose to either connect the open-wire power cable directly to the vehicle's electrical system or use the OBD power cable to connect to the vehicle's OBD port
2. If using the open-wire power cable, connect IO1 and IO2 to the vehicle’s left/right turn signal wires

At this point, the device installation is complete

Device Login

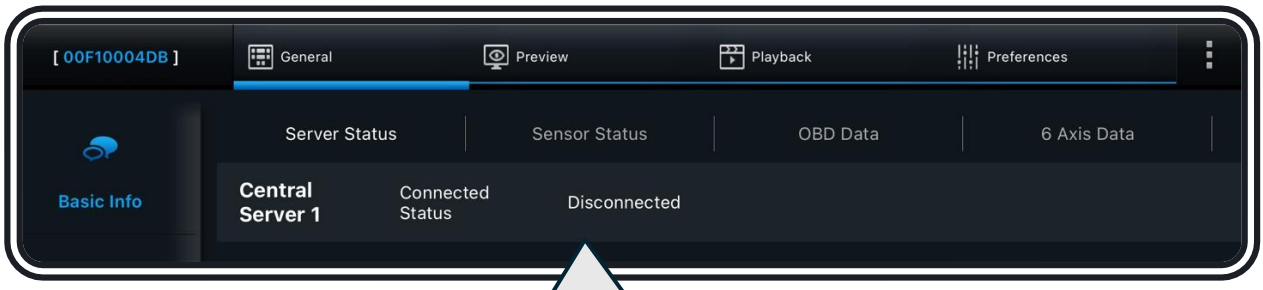
Note	**AP Mode**: To connect to the device's Wi-Fi hotspot, the device must be in AP mode. The device will be in AP mode for the first 3 minutes after startup. You can also manually switch to AP mode at any time by double-clicking the function button on the device
	Mobile App Installation: ● For Android users, search for Veyes in Google Play to download ● For iPhone users, search for Veyes in the App Store to download

1. Click **Search** to enter the Wi-Fi settings. Select the corresponding device hotspot and connect. The initial hotspot name will be the device's **Serial Number**, which can be found on the label on the device
2. Enter the **Username** and **Password**, The default credentials are: **admin / admin**
3. Click **Log in** to access the operation interface



1. Click the top-right corner to view information such as the APP version and other details
2. **Acceptance**: Acceptance Mode. This mode is used for testing or accepting the device in a static environment. It triggers AI alerts based on a preset vehicle speed

General Information Viewing

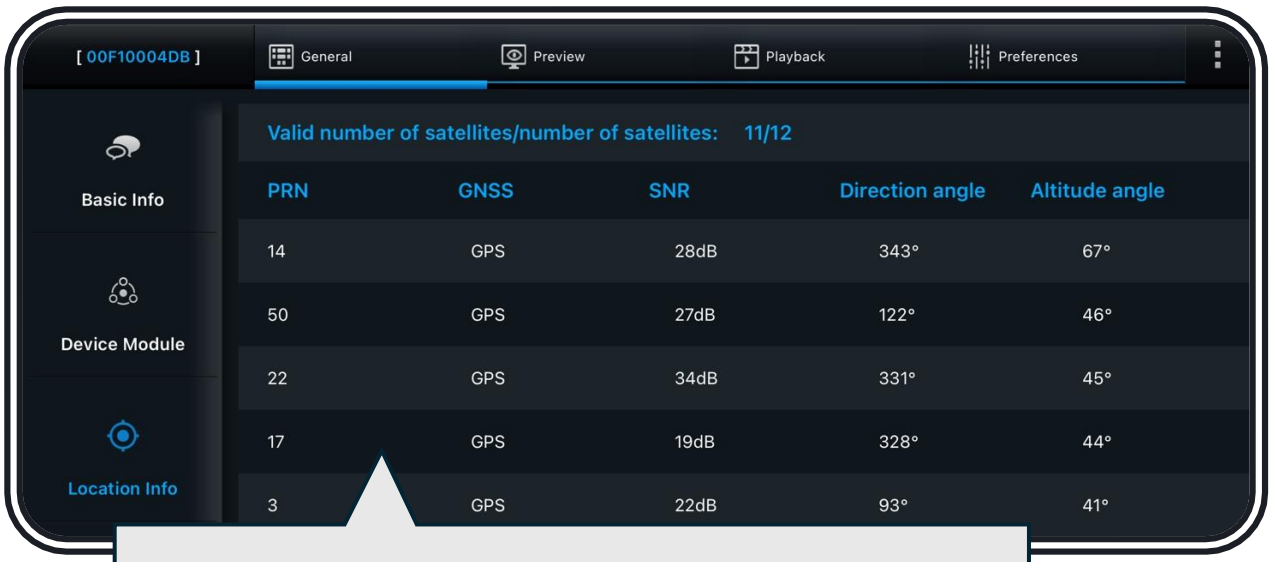


Click **General** → **Basic Info** to view the device's basic information:

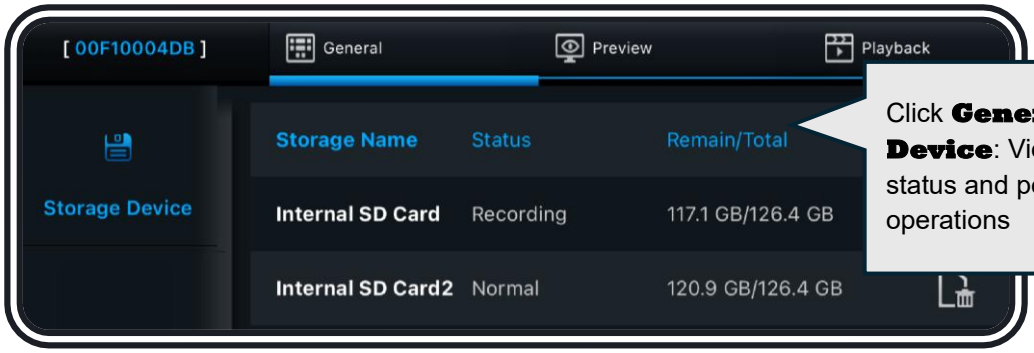
1. **Server Status**: View the server connection status
2. **Sensor Status**: View the high/low voltage status and usage of the I/O
3. **OBD Data**: View the vehicle data read by the device from the OBD port
4. **6 Axis Data**: View the G-Sensor's six-axis data
5. **Others**: View the ACC status, pulse status, device status, and iButton status
6. **Calibration Status**: View the AI algorithm calibration status

Note	**iButton**: A peripheral device used for **driver identity verification**. It requires pairing with the product **Power Box Plus** to function properly. Both iButton and Power Box Plus must be purchased separately

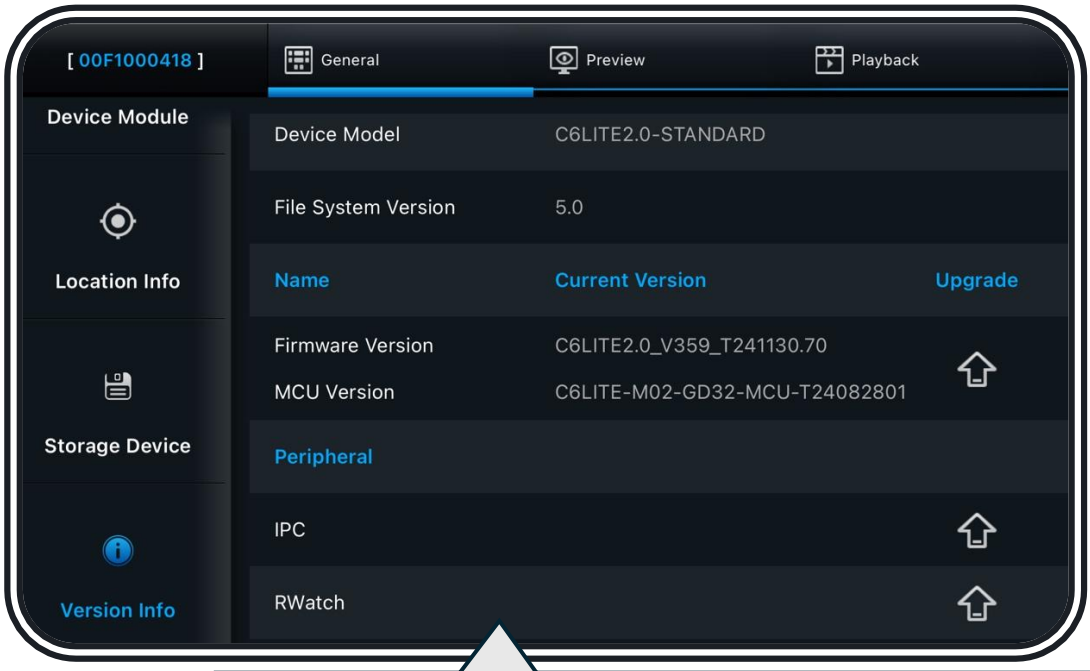
Click **General** → **Device Module**: View information about the device's Wi-Fi, 3/4G, eSIM, Positioning, and Bluetooth modules



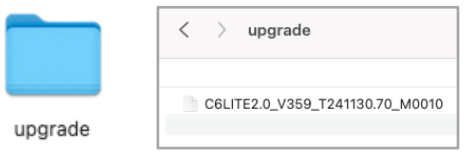
Click **General → Location Info**: View the satellite signal quality of the device



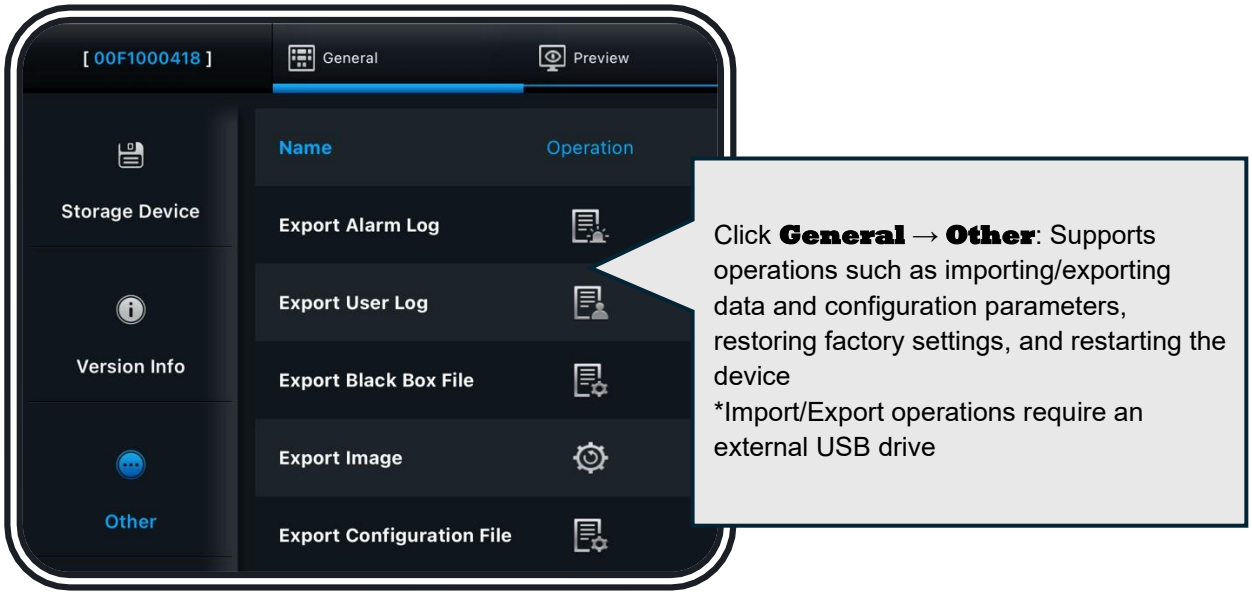
Click **General → Storage Device**: View the storage status and perform formatting operations



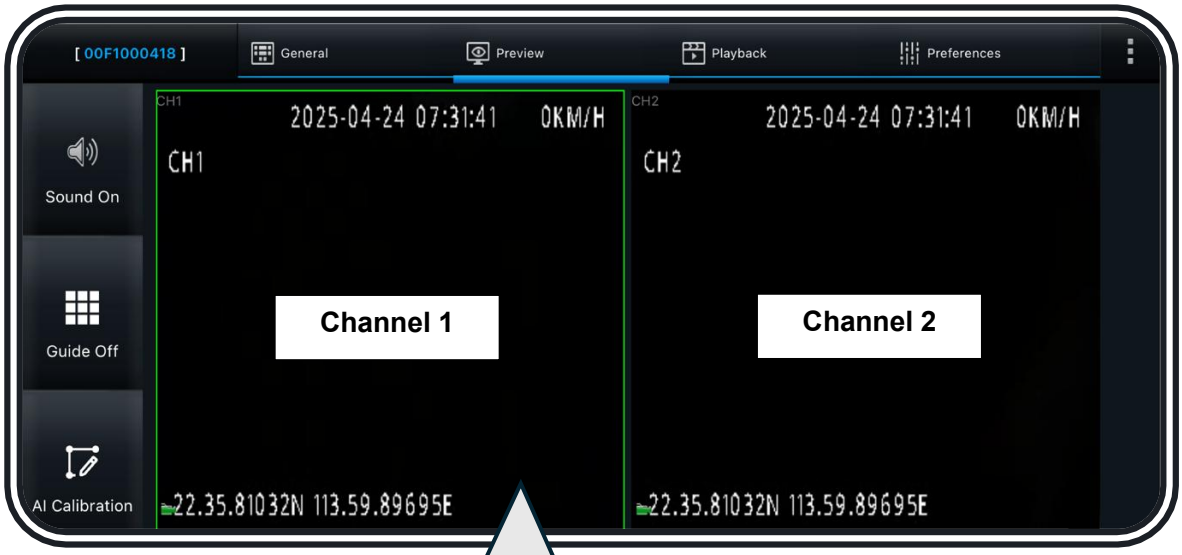
Click **General → Version Info**: View or upgrade the software version

Upgrade Steps	Image Explanation
1. Prepare a **USB flash drive** and create a folder named **upgrade** in the root directory. Then place the upgrade package into the folder	
2. Connect the USB flash drive to the device via the **maintenance cable**	
3. Click **Upgrade**	

Note	The above steps outline the local upgrade process via Veyes. The device also supports online upgrades through the Brigade Video Telematics platform. For details, please refer to the platform documentation or consult relevant personnel.



Video Preview



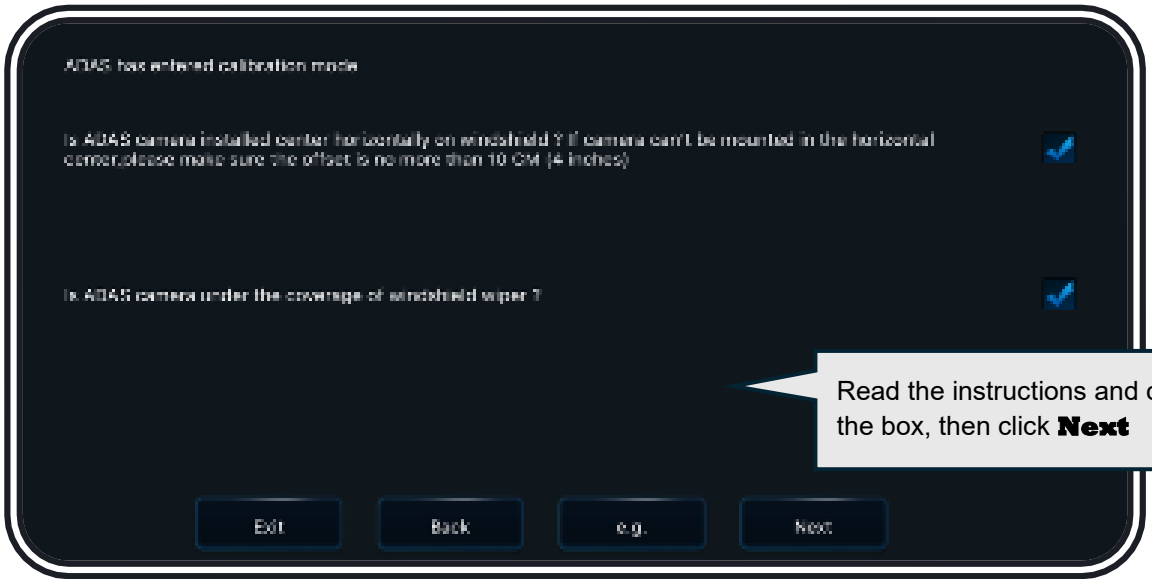
Click **Preview:** View the real-time feed of each channel. Double-click to enlarge the preview. If no camera is connected or the camera channel is damaged, "Video Loss" will be displayed. It supports the operation of turning sound on/off, turning grid on/off, and AI calibration

AI Calibration

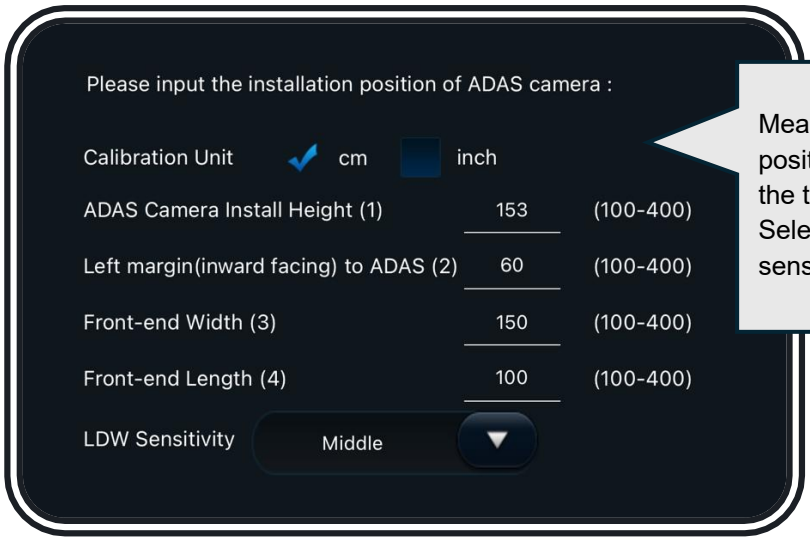
ADAS Calibration

Click the **AI Calibration** in the preview interface → **ADAS**, to enter the ADAS calibration interface

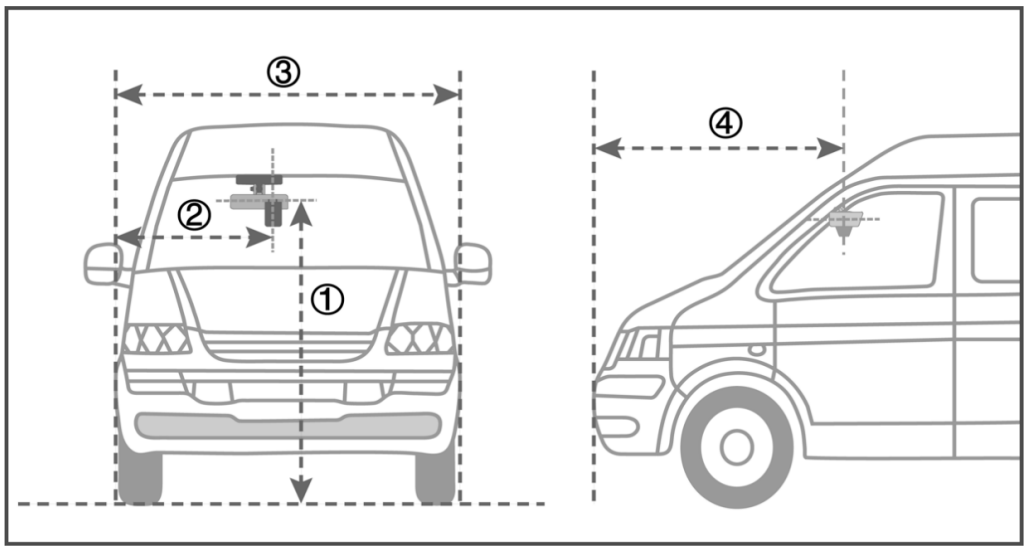
Select the corresponding **ADAS channel** (Channel 1), then click **Calibration**



Read the instructions and check the box, then click **Next**

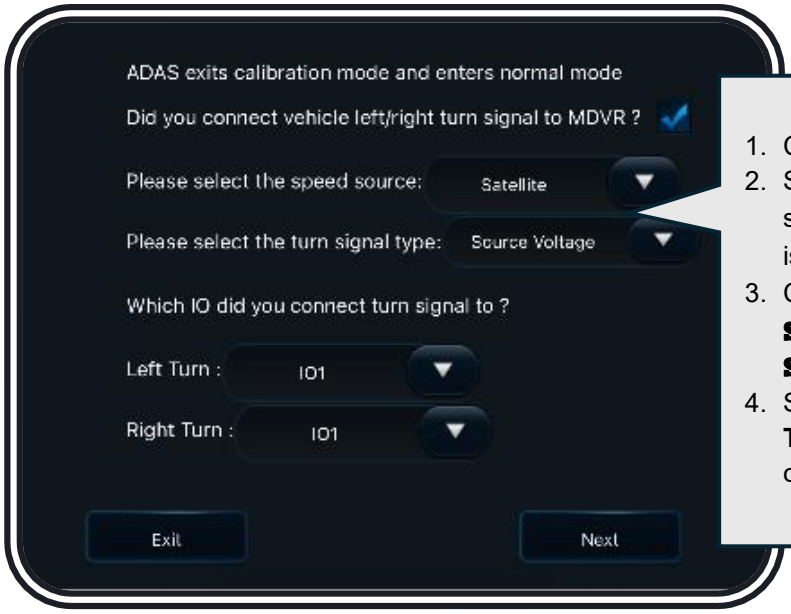


Measure and enter the installation position parameters. Please refer to the table below for details.
Select the appropriate LDW sensitivity, then click **Next**

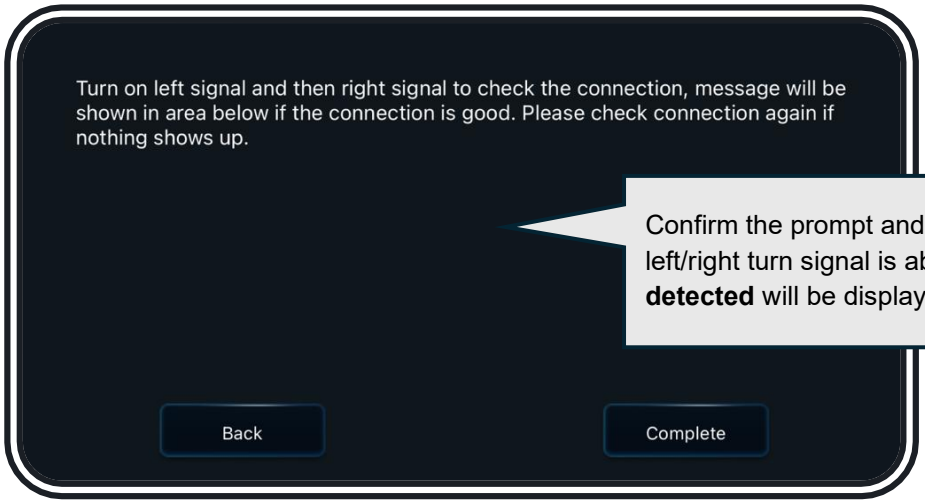


①	Vertical distance from the camera to the ground
②	Horizontal distance from the camera to the outer side of the vehicle's left front wheel
③	Horizontal distance between the outer sides of the vehicle's front wheels
④	Distance from the camera to the front of the vehicle

Click **Next**



1. Confirm the prompt and check the box
2. Select the corresponding speed source：**Satellite** or **OBD** (default is Satellite).
3. Choose the signal source type：**Source Voltage** (level signal) or **Source Pulse** (pulse signal).
4. Select the corresponding **Left / Right Turn IO** based on the actual wiring configuration



Confirm the prompt and click **Complete**. If the left/right turn signal is abnormal, **No signal detected** will be displayed

Warning

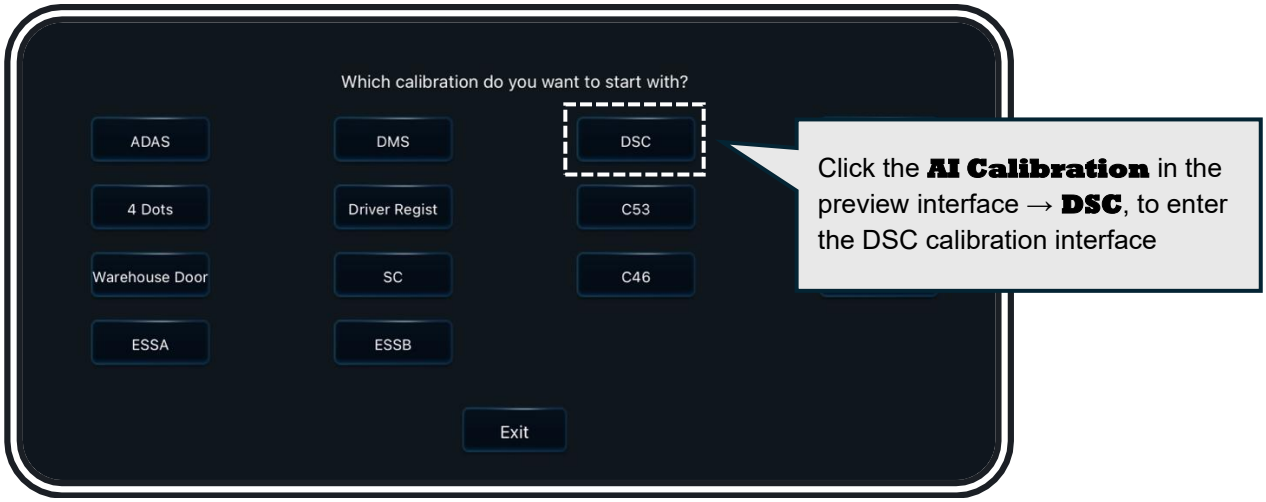
- **ADAS camera calibration must be performed strictly according to the requirements**: All parameters required during installation and calibration must be measured accurately, and the left/right turn signal verification must be strictly followed
- **Failure to follow the required procedures** will prevent the ADAS system from accurately detecting road information, which may affect its judgment ability, potentially reducing the accuracy of alerts or causing the system to malfunction
- The company **does not assume responsibility** for any functional issues caused by improper installation or calibration

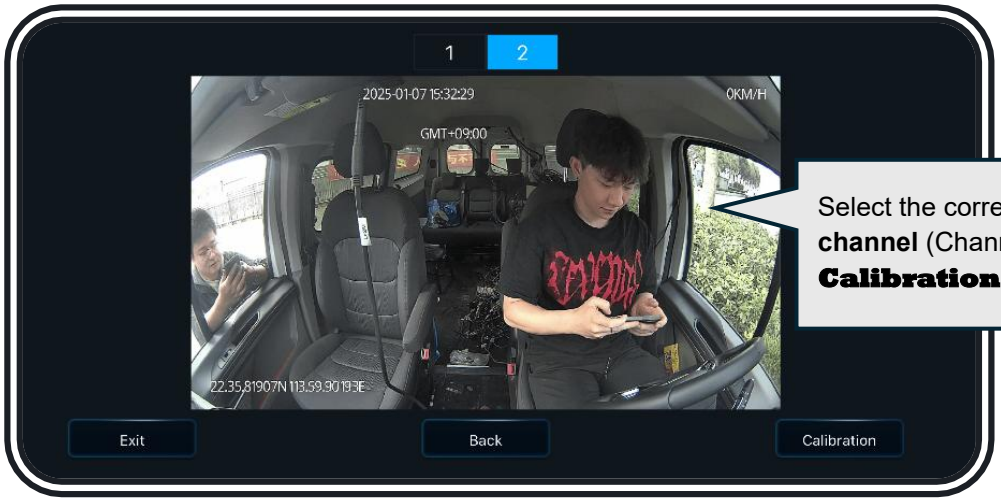
At this point, the ADAS calibration is complete

DSC Calibration

Note

The C6 Lite 2.0 supports DSC automatic calibration and is the recommended calibration method. If you choose automatic calibration, please navigate to **AI Alarms → Calibration Parameter** and enable the relevant settings. The following is the manual calibration process:



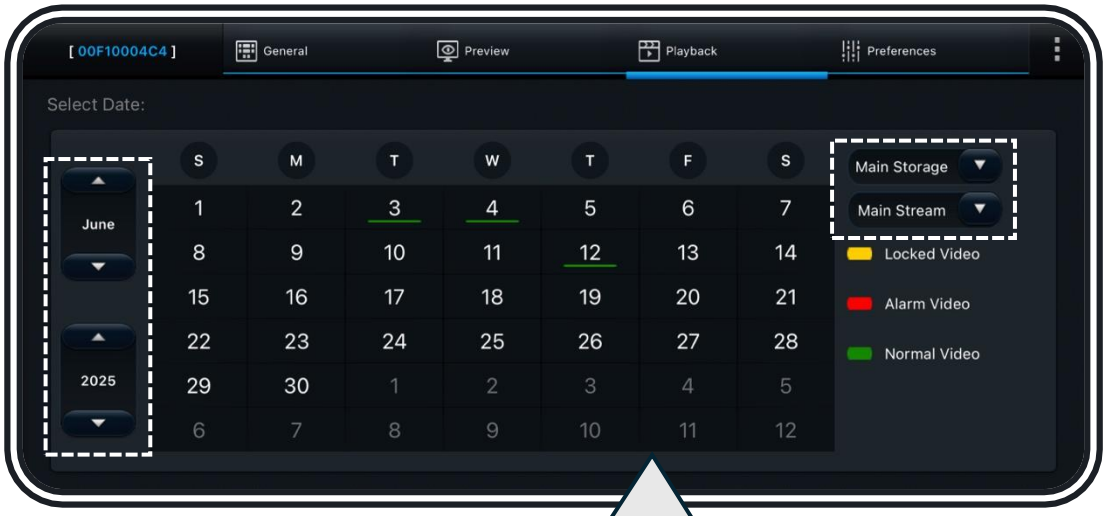


Select the corresponding **DSC channel** (Channel 2), then click **Calibration**

Choose the appropriate left/right steering based on the actual situation, and click **Save**

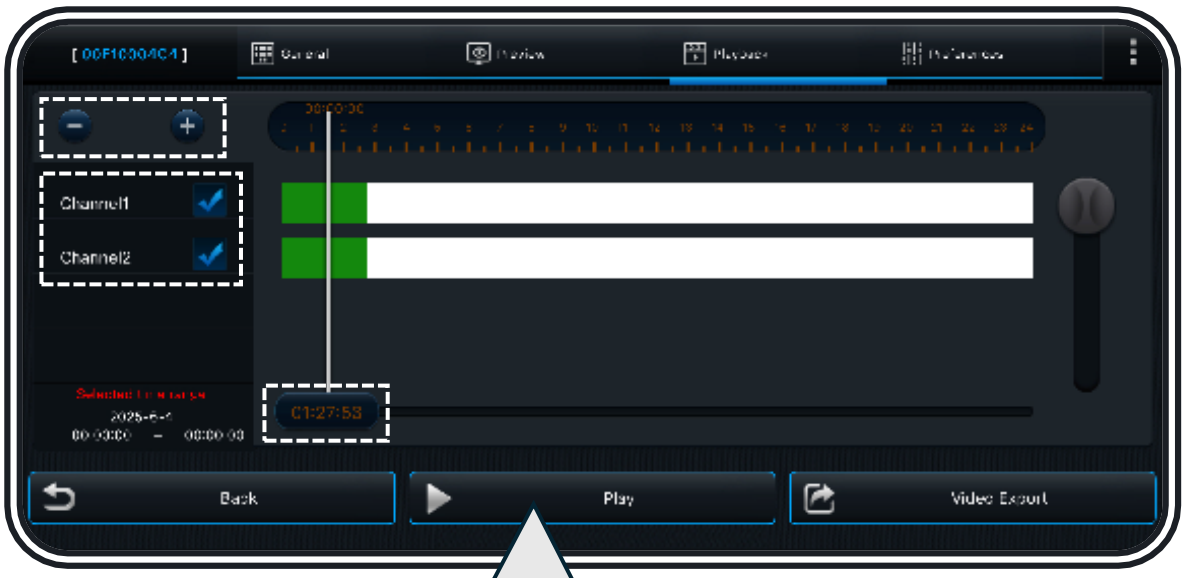
At this point, the DSC calibration is complete

Video Playback



1. Click **Playback**, and you can select the **year and date** on the left side of the screen. In the calendar, the color bar under each date indicates that there is video recorded on that day, with different colors representing different types of videos
2. On the right side of the screen, you can select the **Primary / Secondary Storage** (The C6 Lite 2.0 supports two Micro SD cards). In the storage, you can choose between **Main / Secondary Streams**:
   - **Main Stream**: HD quality, primarily used for video recording storage, providing video evidence
   - **Sub Stream**: SD quality, mainly used for remote preview and can also be used for long-duration video storage

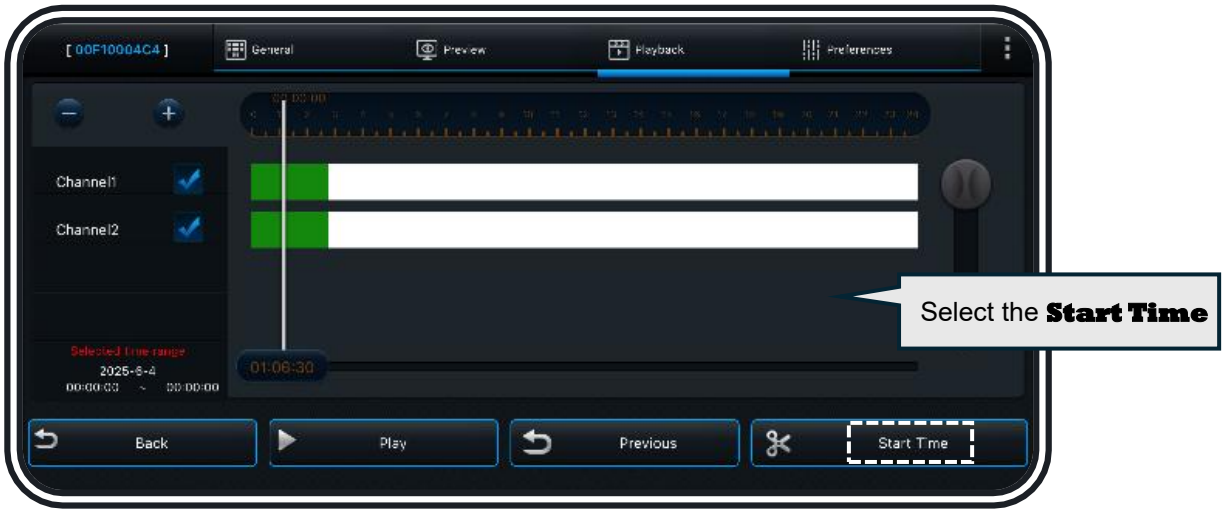
Select the channel you want to playback, then click **Next**

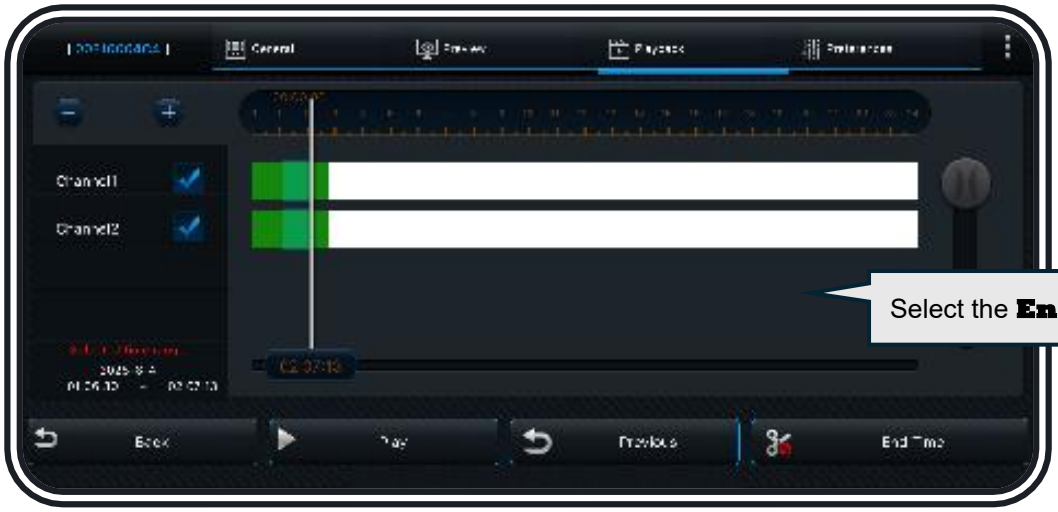


1. The top section shows the timeline. You can zoom in/out the timeline by clicking the button in the top-left corner
2. Check the box for the channel you want to playback
3. The color bar on each channel represents the type of video recorded during a specific period
4. Drag the timeline to start the playback from a specific time point
5. Click **Play** to start the playback

Video Export

Refer to the last page of the previous section's diagram, then click **Video Export**:





Warning	Exporting in **MP4 format** allows playback on regular media players. Exporting in **H.264 format** requires a dedicated player (MDR-Dashboard client). The H264 format contains more raw data, which is helpful for troubleshooting. If you require after-sales support, please choose to export in H264 format

Basic Configurations

Note	In all configuration parameter interfaces, after modifying the parameters, click the **Save** button at the bottom of the screen to save the changes. Click **Default** to restore all the default parameters on that interface
Warning	Due to the wide range of features of this product, this user manual only covers the most used settings. If you have any other questions, please feel free to contact us

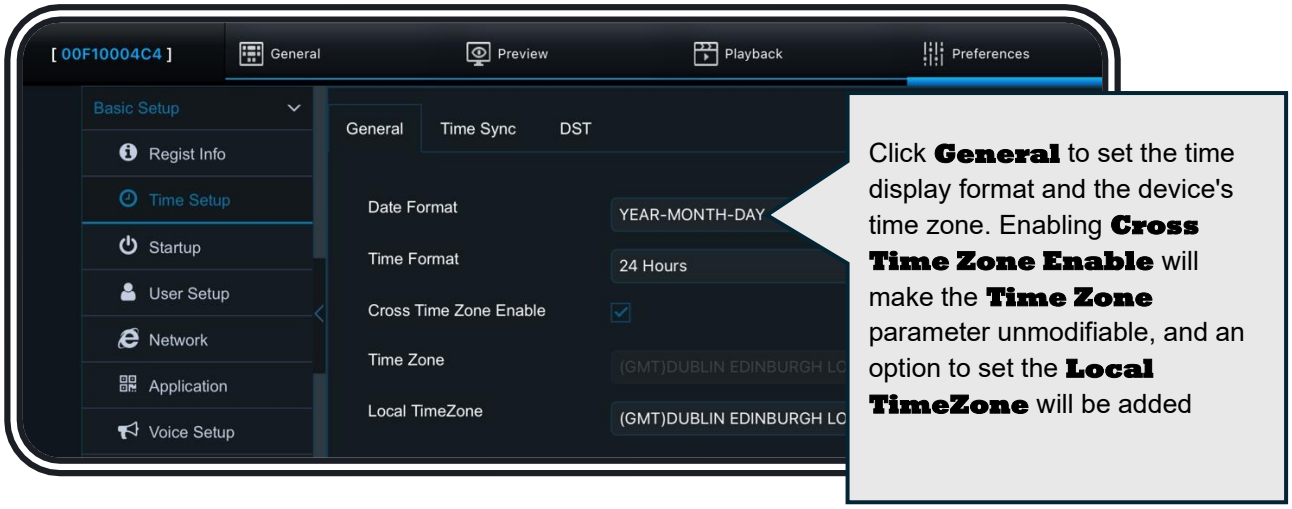
Registration Information

Click **Preferences** – **Basic Setup** – **Regist Info**:

Note	Once you enter the license plate number, the Wi-Fi hotspot name will be renamed to the license plate number. You will then need to reconnect to the Wi-Fi and log in to Veyes again

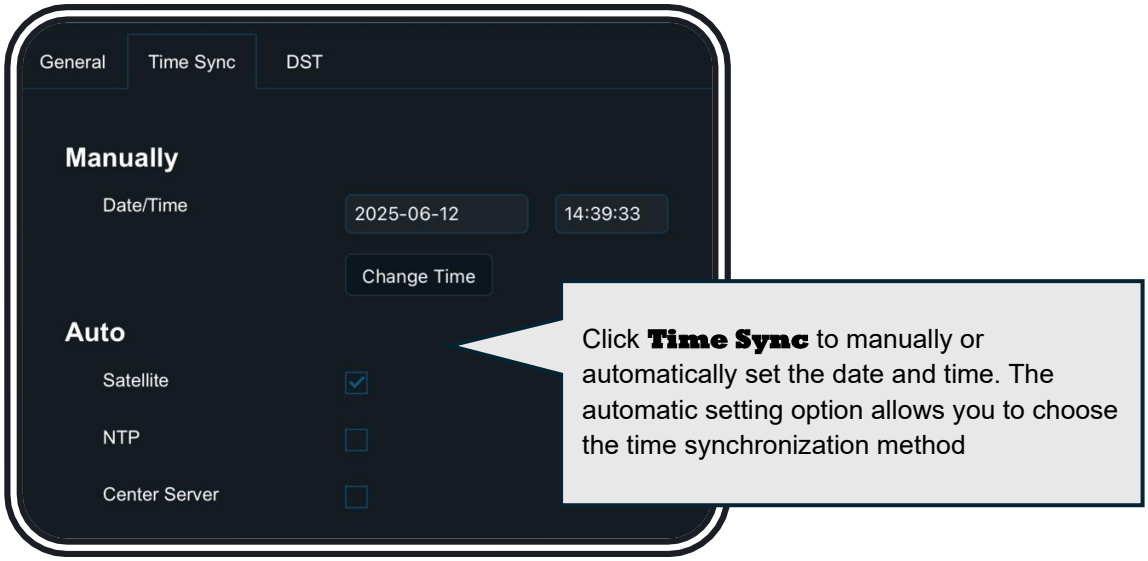
Time Setup

Click **Preferences – Basic Setup – Time Setup**:



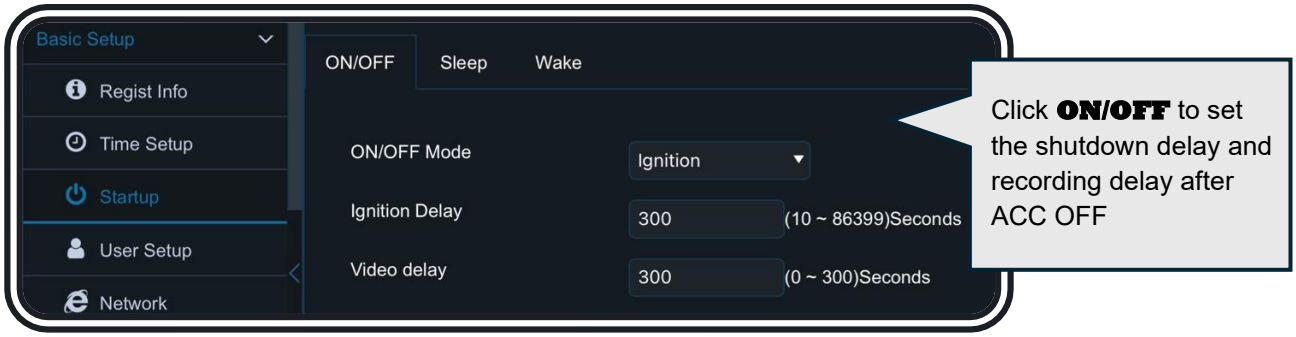
Note

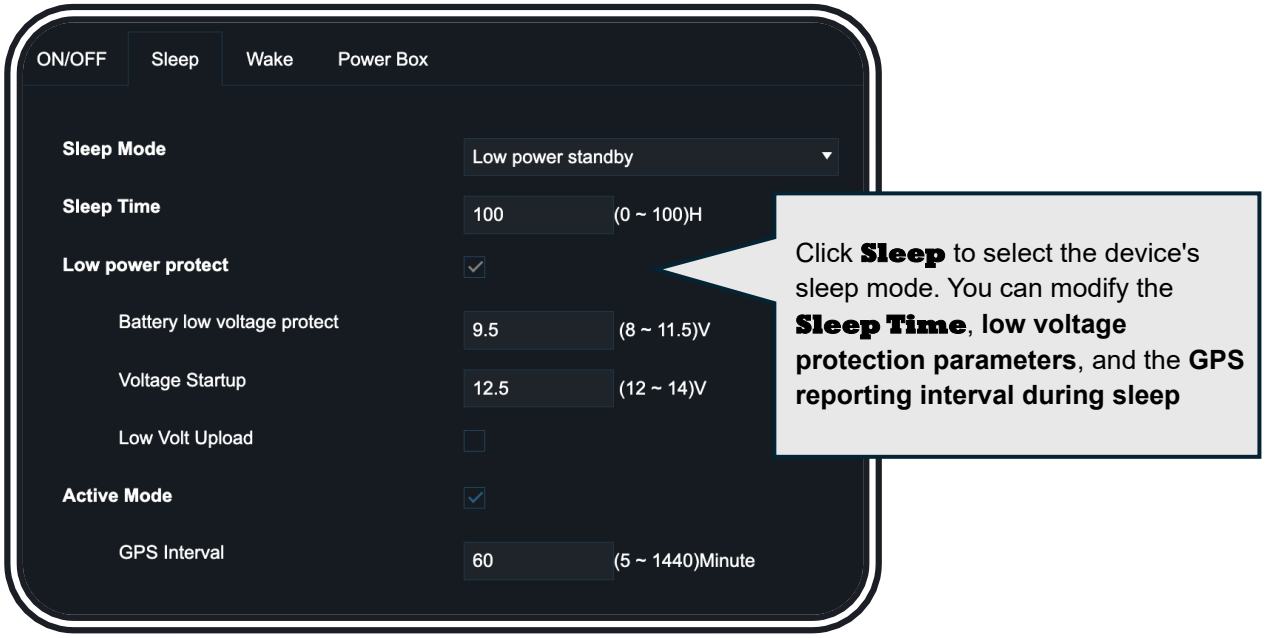
Cross Time Zone Enable: When the vehicle and platform are in different time zones, enable this option to maintain proper communication between the device and the platform. Once enabled, the **Time Zone** setting becomes unmodifiable, and both the platform and the device will use the UTC (Zero) time zone for data exchange. A **Local TimeZone** setting is added to be used for overlaying time zones on the video recordings



Startup Setup

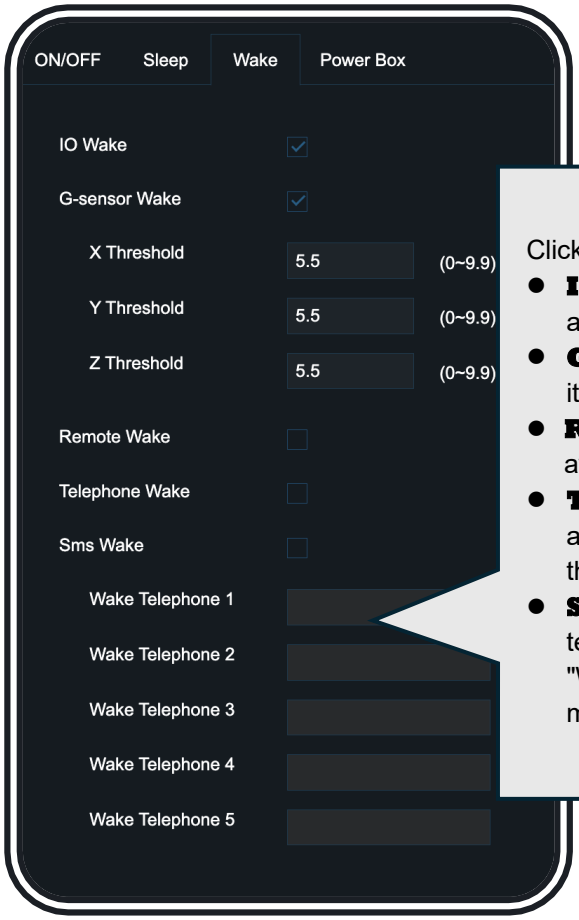
Click **Preferences – Basic Setup – Startup**:





Note

- **No consumption standby:** Zero power standby (i.e., off). The device will not be awakened, and it cannot interact with the platform
- **Low power standby:** The device is in low power standby mode, where it can be awakened and interact with the platform
- **Sleep Time:** This parameter indicates the duration the device stays in low power standby mode without being awakened or started. After this time, the device will enter zero power standby
- **Battery low voltage protect:** When the battery voltage falls below the set value, the device will enter low power standby mode when ACC ON and zero power standby mode when ACC OFF
- **Voltage Startup:** In low power standby mode, when the battery voltage exceeds the set value, the device will return to normal startup mode
- **Low Volt Upload:** When enabled, the device will report to the platform when the low voltage protection is triggered



Click **Wake** to select the device's wake-up method:

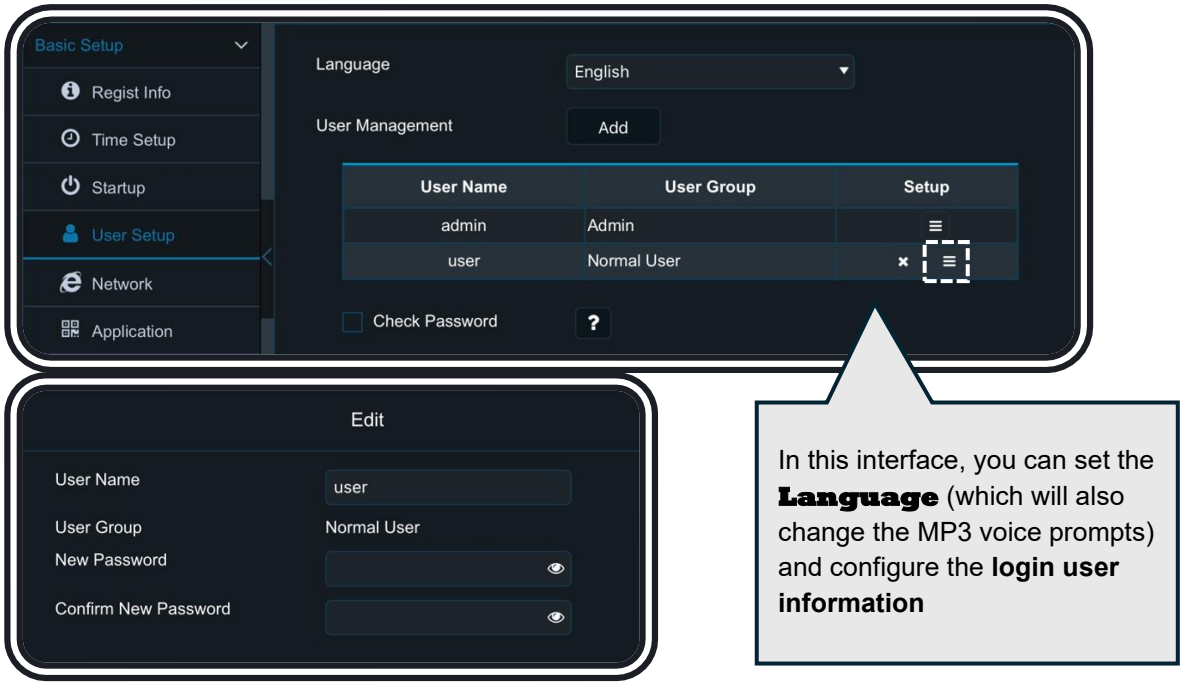
- **IO Wake:** The device will be awakened after an IO alarm is triggered
- **G-Sensor Wake:** The device will be awakened when its **motion** exceeds the threshold
- **Remote Wake:** The device will be remotely awakened by issuing a command from the platform
- **Telephone Wake:** The device will be awakened by a phone call, requiring a pre-configured phone number that supports wake-up
- **SMS Wake:** The device will be awakened by sending a text message to the device, with the message content as "WAKEUP". The phone number that supports wake-up must be pre-configured

Warning

The **Telephone Wake** and **SMS Wake** functions require the SIM card in the device to support SMS and voice call services

User Setup

Click **Preferences – Basic Setup – User Setup**:

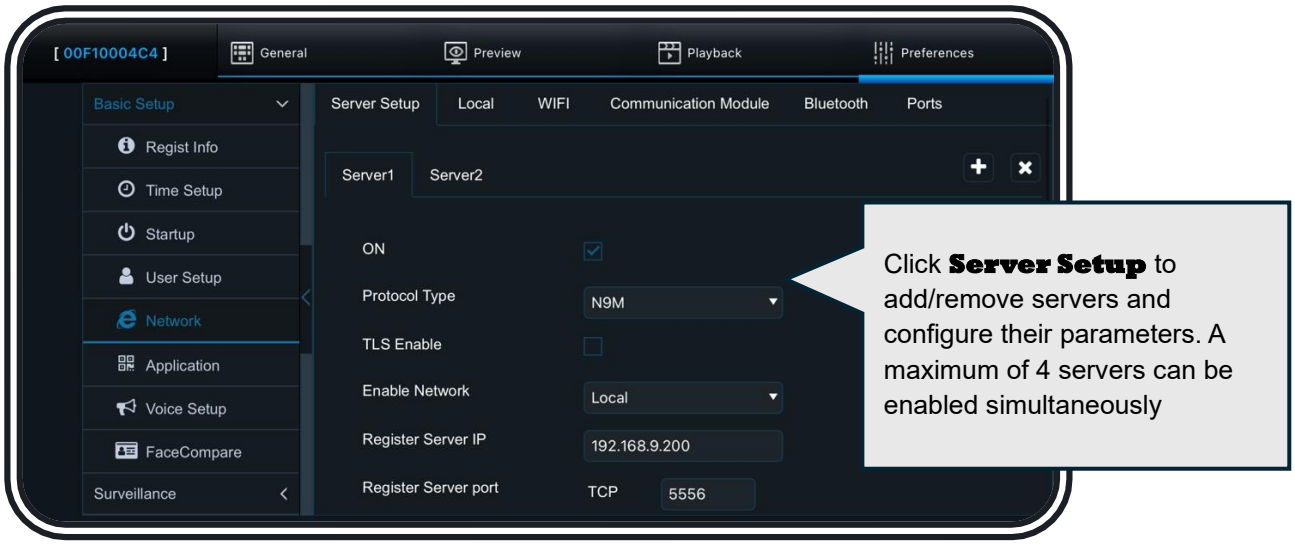


Warning

- The Veyes App's interface language will automatically switch according to the phone's system language and is not affected by the **Language** setting
- **Admin**: There is only one admin account, which has the permission to add/delete normal users and set parameters. A maximum of two normal users can be added
- **Normal User**: A default **Normal User** account is created, which only has permission to view settings

Network Setup

Click **Preferences – Basic Setup – Network**:



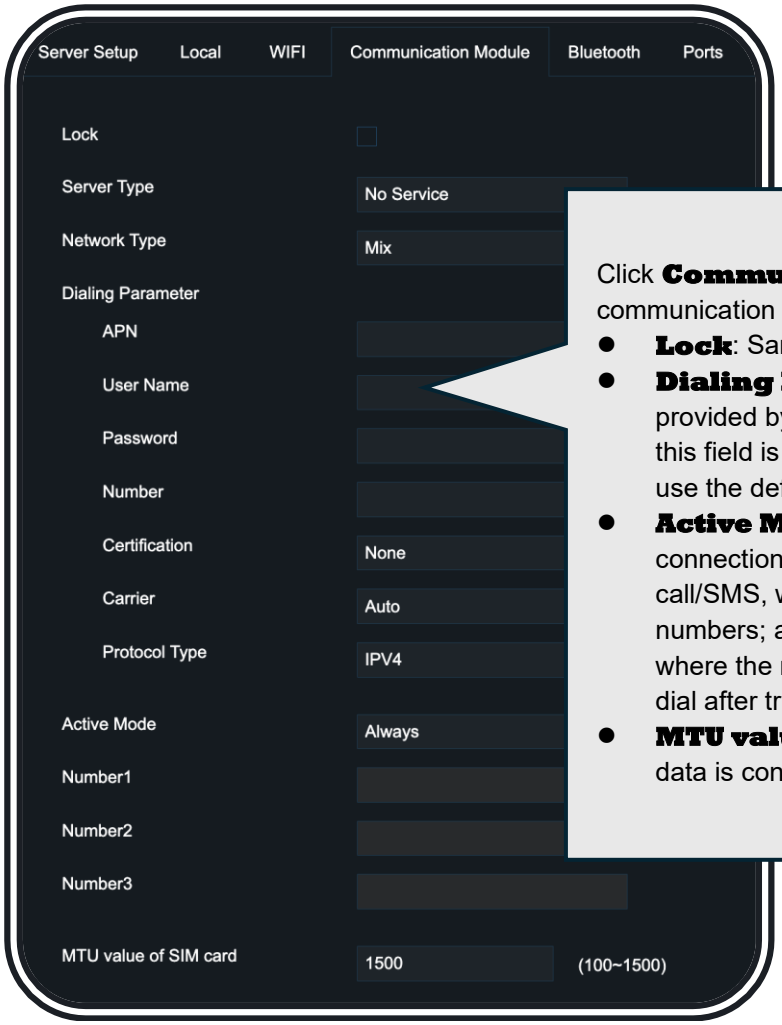
Note

- **Enable Network**: You can choose between wired network, Wi-Fi, communication module, or adaptive. Adaptive means the system will automatically select the available network for platform connection, with priority given to Wi-Fi > Wired Network > Communication Module
- During normal device operation, data between the device and the platform can be transmitted via TLS encryption to ensure the security of the interaction. (TLS encryption is unavailable in sleep mode.)
- The registration server and media server addresses and ports must be the same
- SMS commands can be used to modify the server parameters. For specific usage, please consult the relevant personnel

Note

- **Lock:** When enabled, the Wi-Fi parameters cannot be imported or modified, and will not be affected by factory reset
- **Enable:**

Disable	Wi-Fi is disabled. The device defaults to AP mode within 3 minutes (configurable) after power on. If no Veyes connection is made within 3 minutes, the device will exit AP mode, and the module will enter sleep mode
AP	**WIFI Mode**: Choose 2.4G **ESSID**: The name of the device's hotspot (defaults to the serial number) **Hotspot**: After enabling the hotspot, mobile devices can connect to the device's hotspot for internet access. You can configure the encryption method **Whitelist**: Only mobile devices with IP addresses in the list are allowed to connect. You can add up to 5 IP addresses
Client	**ESSID:** The ID and password of an available external Wi-Fi network. The device will automatically search for nearby valid Wi-Fi networks and report to the platform through that network. You can configure the encryption method



Click **Communication Module** to configure the communication module settings:

- **Lock**: Same as above, see **WIFI – Lock**
- **Dialing Parameter**: Enter the parameters provided by the SIM card manufacturer. By default, this field is empty, and if left empty, the device will use the default dialing parameters
- **Active Mode**: Select **Always** for constant connection mode; select activation via phone call/SMS, with a maximum of 3 available phone numbers; also select **Sensor** switch activation, where the network module will only be activated to dial after triggering the IO sensor
- **MTU value of SIM card:** Default is **1500**; the data is configurable

Application Setup

Click **Preferences – Basic Setup – Application**:

Click **FTP Server**, which supports configuring the FTP server for uploading or downloading files and images.

Sound Setup

Click **Preferences – Basic Setup – Voice Setup**:

Face Comparison Setup

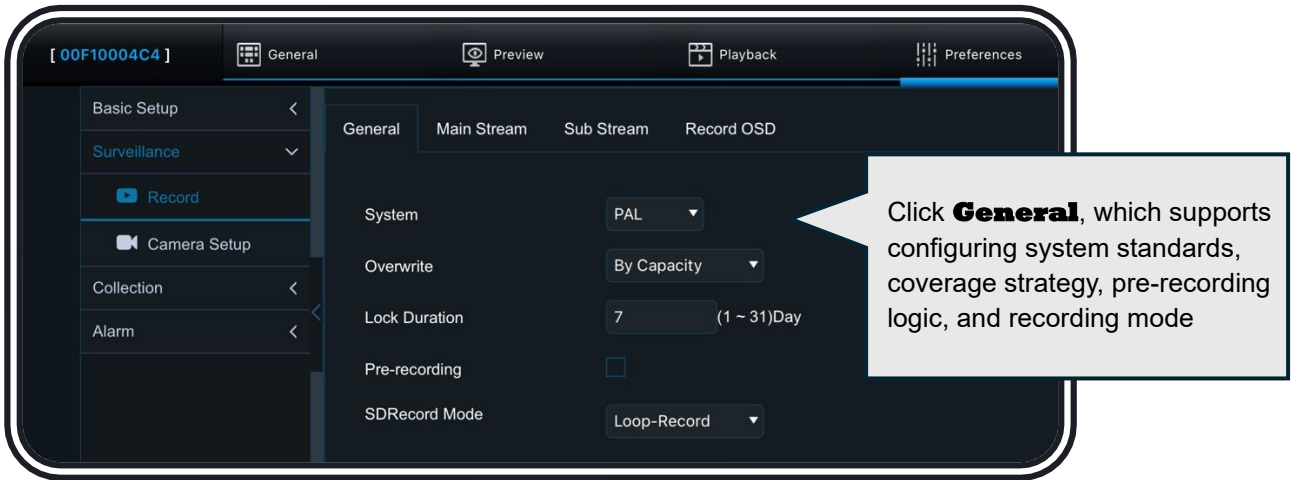
Click **Preferences – Basic Setup – FaceCompare**:

Note	Face snapshot methods: • **Swipe Snap:** This feature is not supported for online face recognition. • **ACC Snap:** When switching from ACC OFF to ACC ON, and vehicle speed is detected, the device will take a snapshot. • **Return Back Snap:** When no driver is detected and a driver is later detected, the device will take a snapshot. • **Time Snap:** Allows setting a scheduled snapshot time. **Enable Online Facial Comparison:** Online face comparison toggle, requires the Brigade Video Telematics platform. If unchecked, it switches to offline face comparison functionality

Video Recording

Recording Setup

Click **Preferences – Surveillance – Record**:



Warning	**System:** The system format includes PAL and NTSC. The system format must match the external camera format (only C6 Lite 2.0-S supports connecting an AHD camera), otherwise, the device will not recognize it

Note

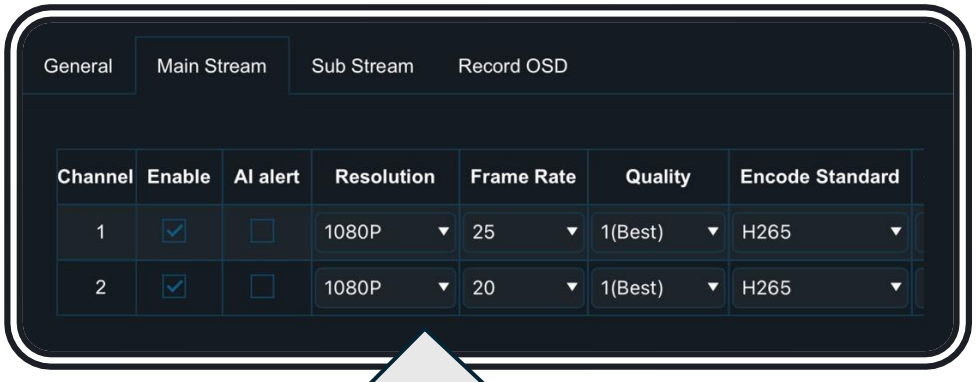
Overwrite:

- **By Days**: Overwrite by days, storing recordings for n days. If the SD card is full before n days, overwriting will occur in advance
- **By Capacity**: Overwrite by capacity, automatically overwriting old recordings when the remaining capacity is less than 1%
- **Never**: No overwriting, recording will stop when the storage is full
- **By Minutes**: The logic is the same as **By Days**

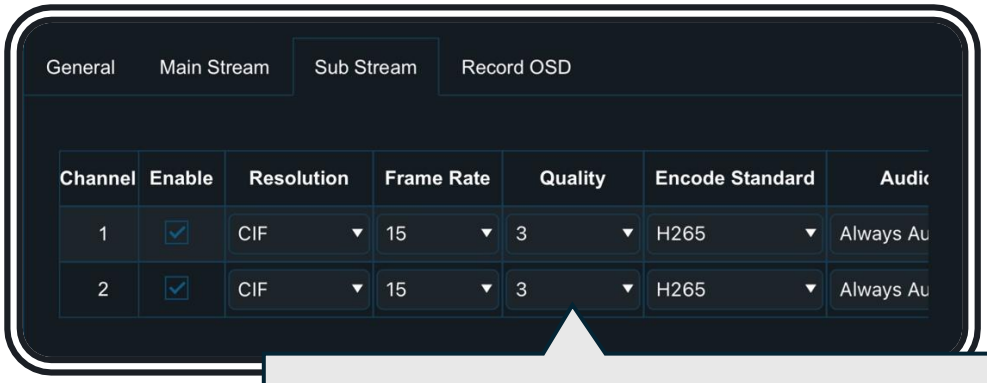
Pre-recording: When in alarm recording, it will link the recordings from a specified time before the alarm trigger (configurable) for event analysis

SDRecord Mode: Set the recording mode for the secondary SD card (SD Card 2)

- **Sub-Record**: Store sub-stream recordings
- **Mirror Record**: Refer to the main SD card (SD Card 1) and store the main stream recording
- **Alarm Backup**: Only store the main stream recording when an alarm occurs
- **Loop-Record**: The secondary card (SD card 2) and the main card (SD card 1) have the same status and function as a single storage unit. Both cards record in a loop cycle, overwriting older footage, and store main stream video recording.



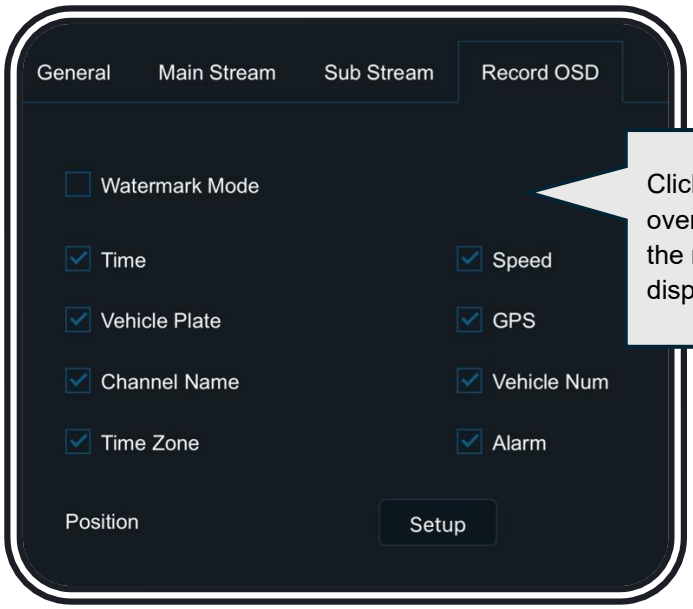
Click **Main Stream**, which supports configuring the video **Resolution**, **Frame Rate**, video **Quality**, **video compression standard**, **Channel Name**, **Recording Mode**, **Audio recording**, **video quality during alarm**, **video encoding method**, and **audio encoding method** for each channel



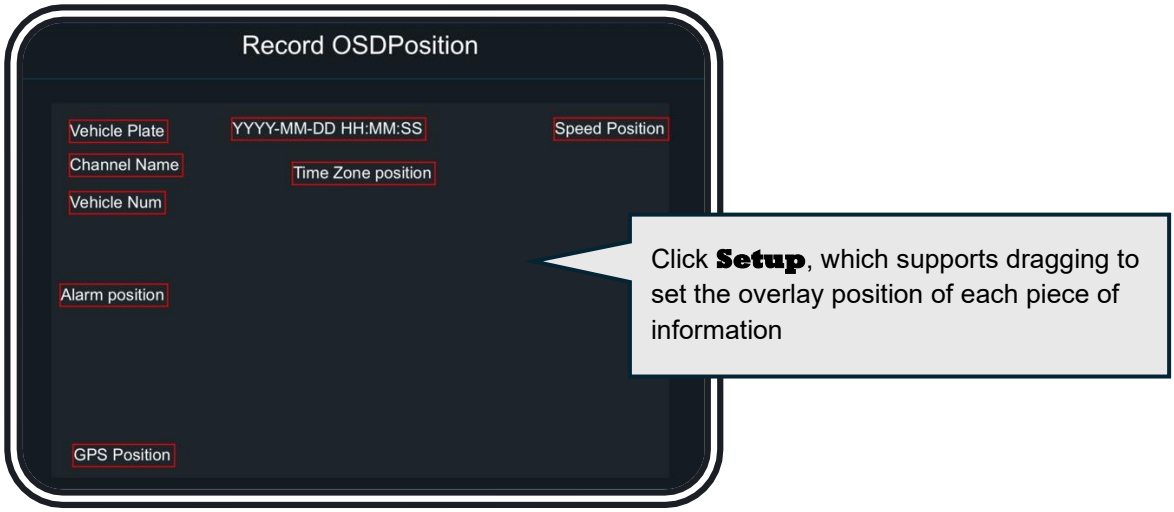
Click **Sub Stream**, which supports configuring the following parameters

Note

- **Resolution**: Selectable video resolution
- **Frame Rate**: Selectable video frame rate
- **Quality**: Selectable video quality, 1-8
- **Encode Standard**: Selectable video compression standard, H264/H265
- **Channel Name**: Modifiable channel name
- **Record Mode**: Selectable recording mode, startup recording/timed recording/alarm recording
- **Audio**: Select whether to enable audio recording
- **Alarm Quality**: Selectable alarm video quality, 1-8
  Encode Mode: Selectable video encoding mode, CBR/VBR
- **Audio Coding Format**: Selectable audio compression method

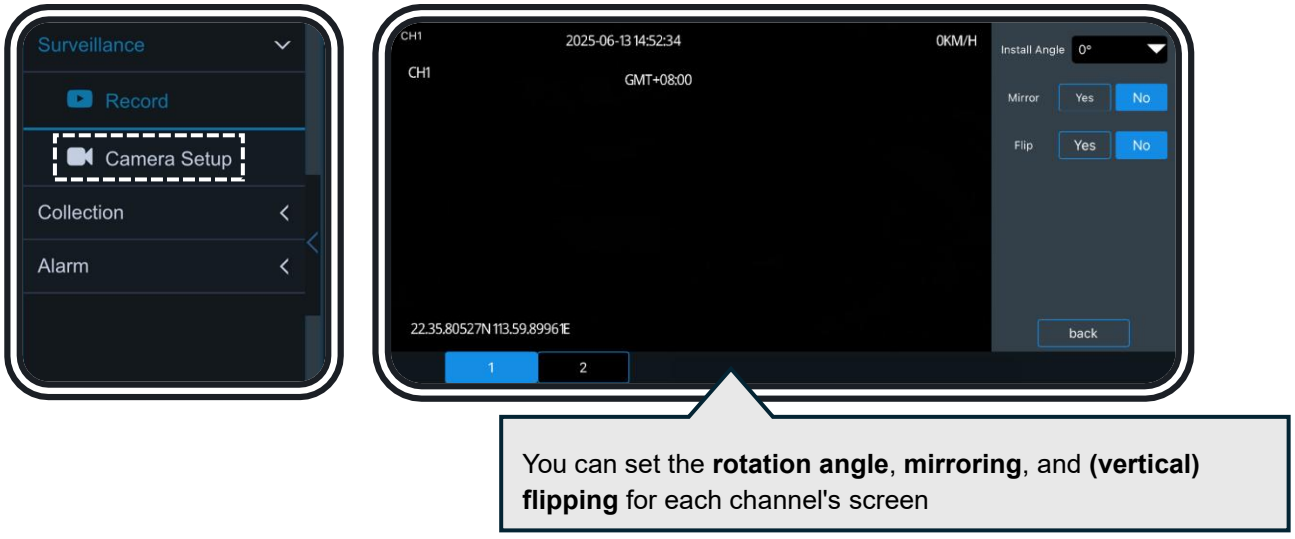


Click **Record OSD**, which supports overlaying the selected information onto the recording screen, and it can be displayed in the platform preview



Camera Setup

Click **Preferences – Surveillance – Camera Setup**:

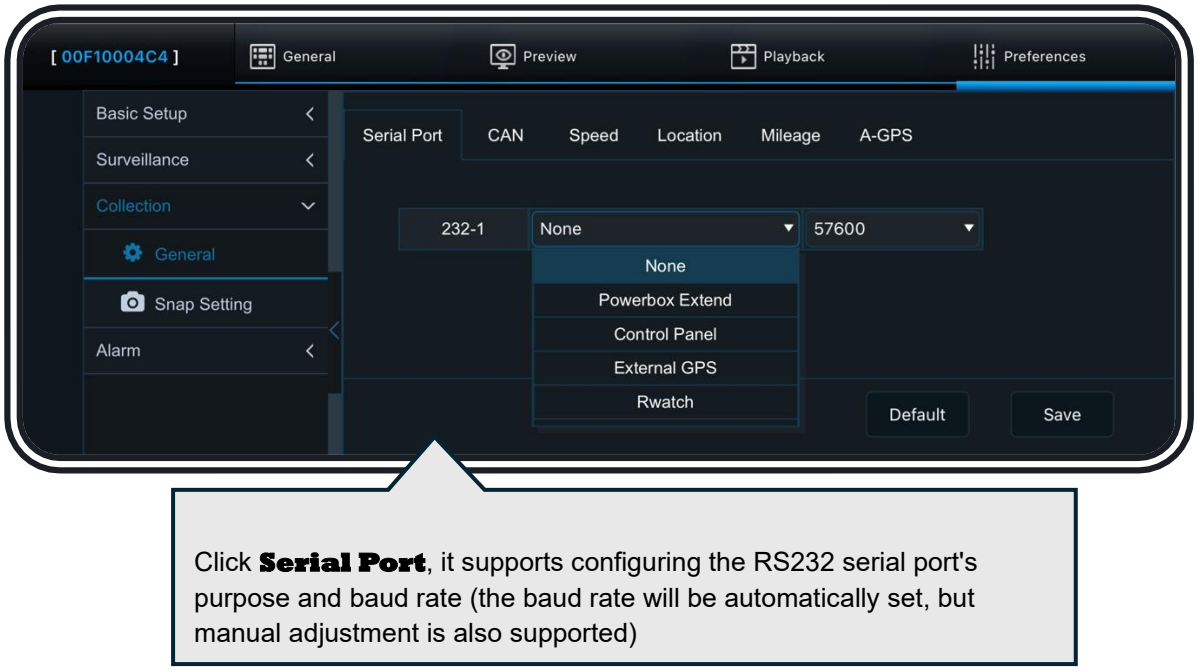


Warning	Under normal circumstances, the device's default screen angle is set to the optimal (best) angle at the factory. Please do not modify the angle or perform any mirror flipping operations. If intentional modifications lead to abnormal video display or AI detection functionality, the company is not responsible

Data Collection

General Setup

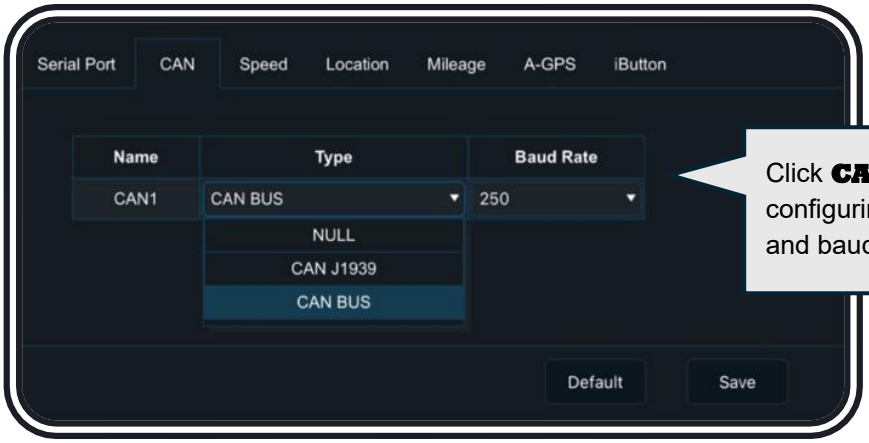
Click **Preferences – Collection – General**:



Click **Serial Port**, it supports configuring the RS232 serial port's purpose and baud rate (the baud rate will be automatically set, but manual adjustment is also supported)

Note

Only the RS232 model supports configuring this function. If the purchased model is a CAN model, this interface will still be present, but the configuration will not take effect



Click **CAN**, it supports configuring the protocol type and baud rate for CAN

Note	Only CAN models support configuring this purpose. If the purchased model is an RS232 model, this interface will still exist, but the configuration will not take effect

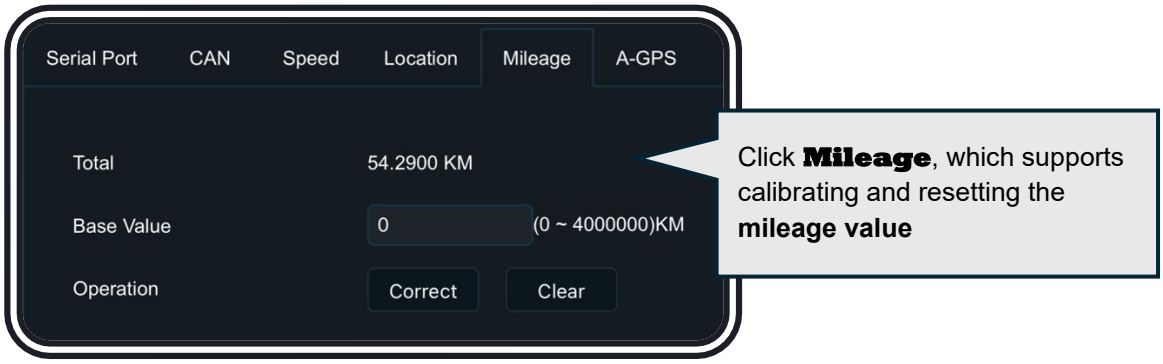
Note	• Only CAN models support selecting **CAN** as the **speed Source**. • Only RS232 models + Power Box Plus support selecting **OBD** as the **speed Source**. • When the **speed Source** is set to **Mix**, it supports configuring the priority of speed sources.

Click **Location**, which supports configuring **GPS positioning mode**, **reporting mode**, and related parameters

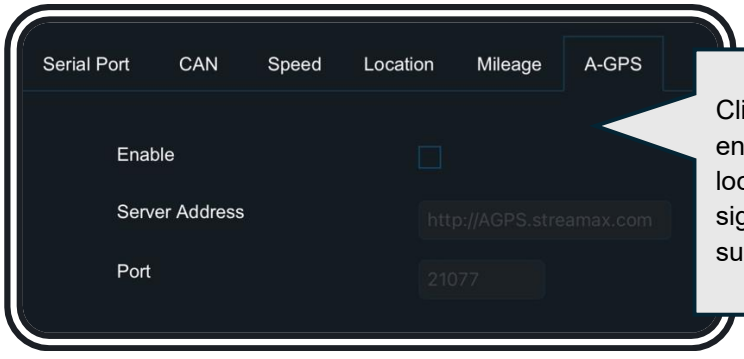
ACC Status	Fixed Reporting	Conditional Reporting
ACC ON	• **Timed Reporting**: The reporting interval can be configured • **Distance-Based Reporting**: The reporting distance can be configured. Both of the above options can be selected at the same time	Configure **Moving Start** and **Moving Stop**, as described below
ACC OFF	Sleep Reporting: For more details, please refer to the **Startup Setup**	

Note

- **Moving Start**: When the vehicle speed exceeds a certain value and stays above it for a specific period, the vehicle is considered to have started, and reporting will follow the configured time or distance logic under this option.
- **Moving Stop**: When the vehicle speed drops below a certain value and stays below it for a specific period, the vehicle is considered to have stopped, and reporting will follow the configured time logic under this option.
- **GPS Heading Change**: Reporting will occur when a significant change in vehicle heading is detected. The angle and reporting interval can be configured.
- The vehicle's ACC status will be reported along with the GPS information.



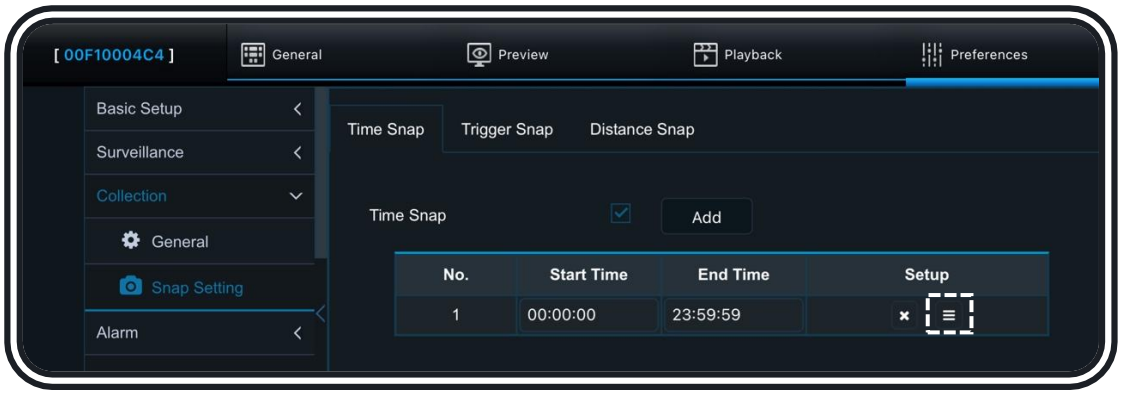
Click **Mileage**, which supports calibrating and resetting the **mileage value**

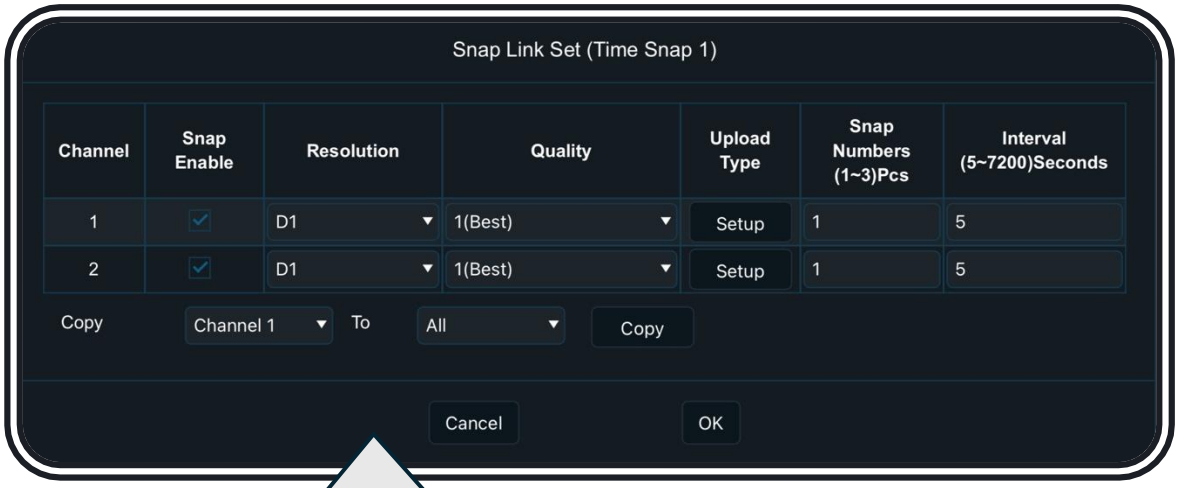


Click **A-GPS**, to configure the server, enabling the device to obtain real-time location information from the server in weak signal areas (this feature is currently not supported)

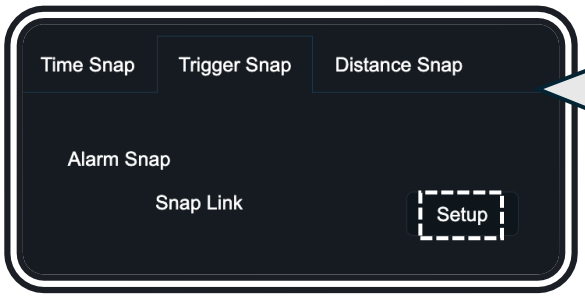
Snap Setup

Click **Preferences – Collection – Snap Setting**:

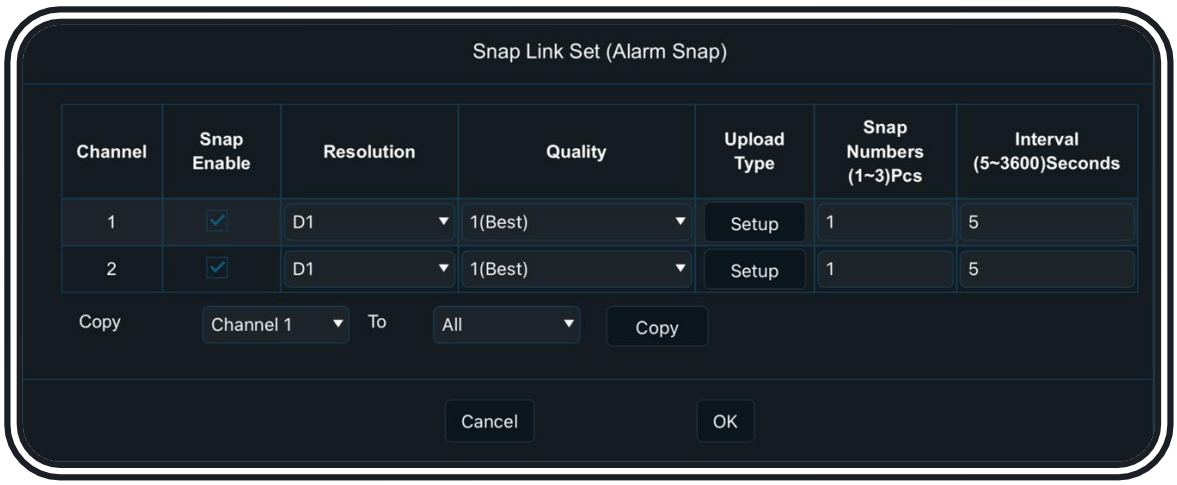




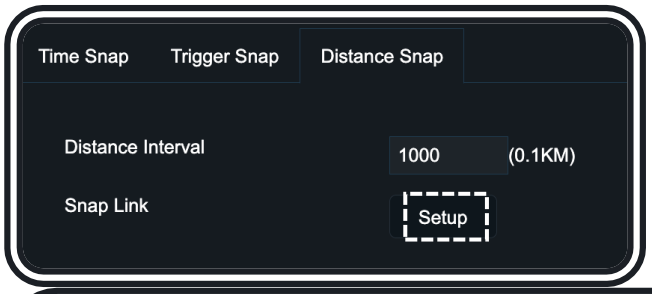
Click **Time Snap**, which supports configuring a timed switch strategy. Each time period can be configured with its own snap parameters: **Channel**, **Resolution**, image **Quality**, **upload method**, **number of snapshots**, and **snapshot Interval**. A maximum of 8 time periods is supported



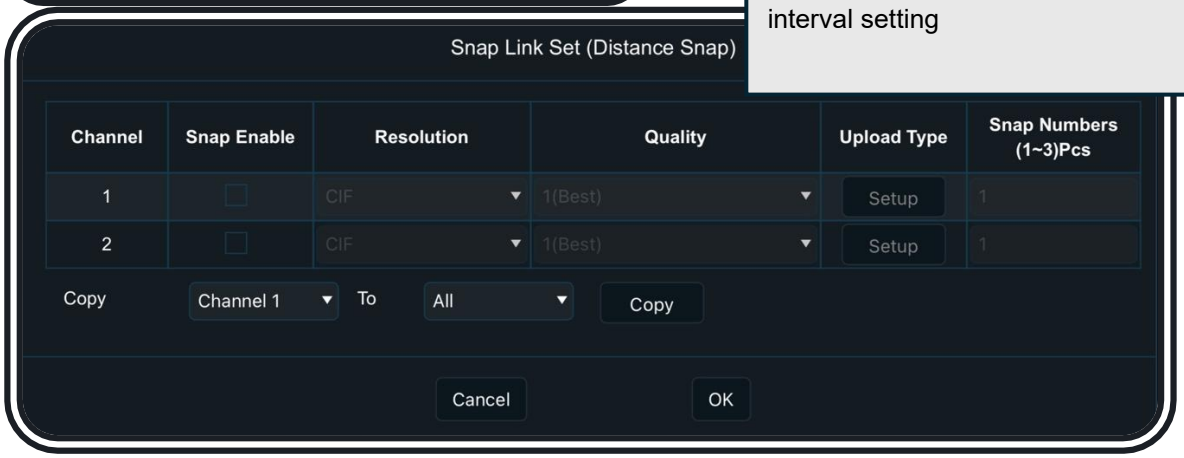
Click **Trigger Snap**, which supports configuring ordinary alarm snapshots. The configuration parameters are the same as those in **Time Snap**



Note	This interface is only related to general(non-AI) alarms, such as IO alarms, GPS loss alarms, etc. Snapshots will be taken after the alarm is triggered. AI alarms have a separate snapshot logic and interface, which is unrelated to this configuration interface



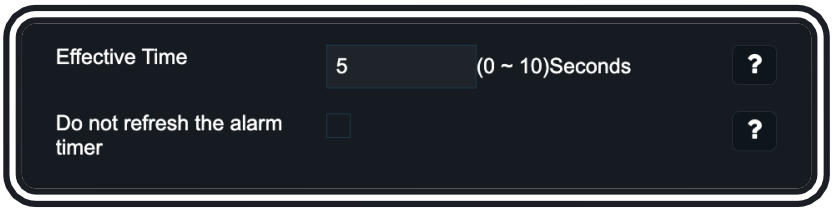
Click **Distance Snap**, which supports configuring distance-based snapshots. The configuration parameters are basically the same as those in **Time Snap**, with the only difference being that distance-based snapshots do not have a time interval setting

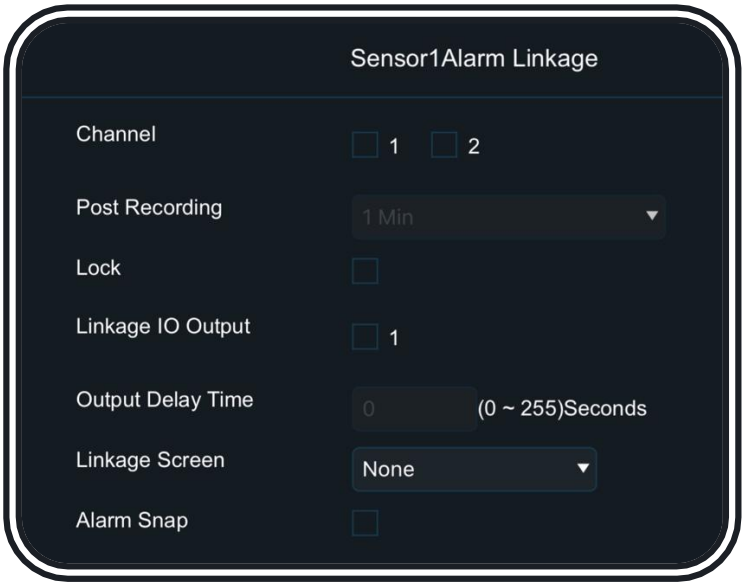


Alarm Setup

All alarms can be configured with two **Alarm Type** options. To avoid repetitive information, the explanation is provided here:

Alarm Type	Explanation
Alarm	When the type is set to **Alarm**, the device will record the alarm data and report it to the platform.
Event	When the type is set to **Event**, the device will record the alarm data but will not report it to the platform.





All alarms (including both non-AI alarms and AI alarms) can be configured with **Trigger** and **Linkage**. Some options are common configurations. To avoid repetitive information, the explanation is provided here:

Configuration	Common Options	Explanation
Trigger	**Effective Time**	Select a time range. Multiple alarms of the same type triggered within this time range will be considered as a single alarm
Trigger	**Do not refresh the alarm timer**	By default, this option is unchecked, meaning that multiple alarms of the same type occurring within a certain time range (Effective Time) will be considered as a single alarm, and the Effective Time will reset accordingly When checked, multiple alarms of the same type occurring within the same time range will still be considered as a single alarm. However, the Effective Time will not reset. This means that if the total duration of the alarm exceeds the Effective Time, the alarm will end, and the total duration will be recorded as the Effective Time. After the Effective Time has passed, a new alarm entry will be recorded, starting from the end of the previous alarm
Linkage	**Channel**	After an alarm ends, one or more channels can be selected, and these channels will be marked as alarm recordings
Linkage	**Post Recording**	After an alarm ends, the selected channel's video will be delayed for a certain period and marked as an alarm recording
Linkage	**Lock**	Locked alarm recordings cannot be overwritten until the recording protection period ends or until manually unlocked. Even if the storage space is full, they will not be overwritten
Linkage	**Linkage Screen**	The C6 Lite 2.0 does not support external screens, so this option is invalid
Linkage	**Alarm Snap**	This option is only available for non-AI alarms. When checked, it will trigger image capture based on the previously configured **Snap** settings. For details, refer to the **Snap** section

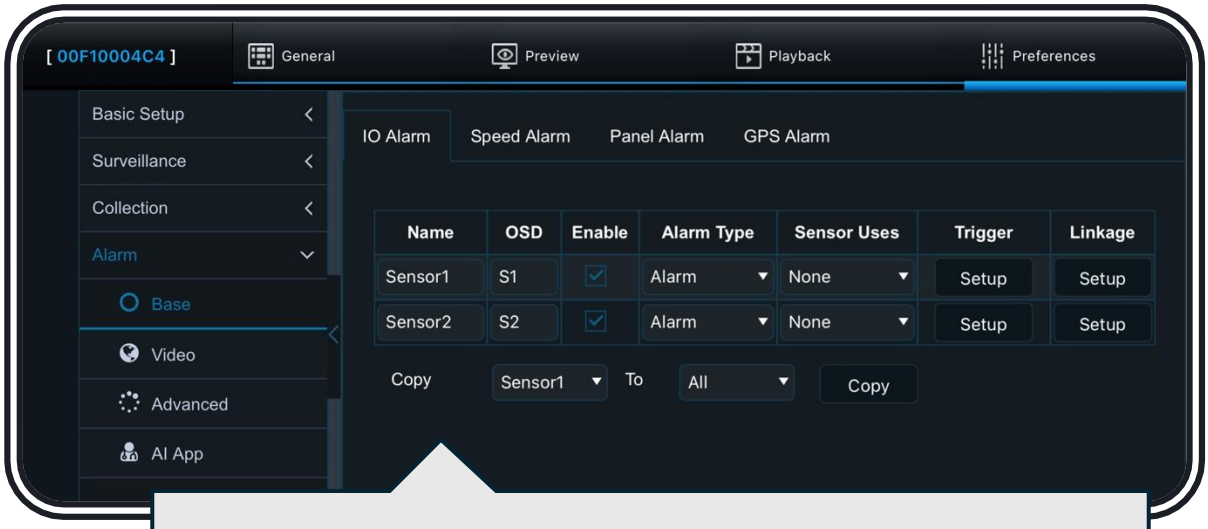
For AI alarms, in addition to some general options already mentioned above, there are also options that are specific to AI alarms only. To avoid redundant information, the explanation is provided here:

Configuration	Common Options	Explanation
Trigger	**Lvl1 Speed Range**	Some AI alarms assess the danger level based on speed values, categorizing them into Level 1 and Level 2, which will be differentiated in the audio alerts
Trigger	**Lvl2 Speed Range**	Some AI alarms assess the danger level based on speed values, categorizing them into Level 1 and Level 2, which will be differentiated in the audio alerts
Trigger	**Sensitivity**	Determine the trigger sensitivity of the alarm

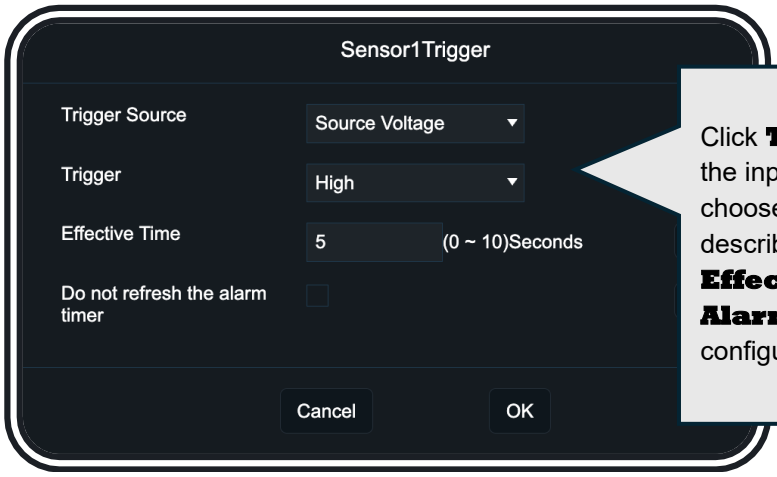
Basic Alarms

Click **Preferences – Alarm – Base**:

IO Alarm

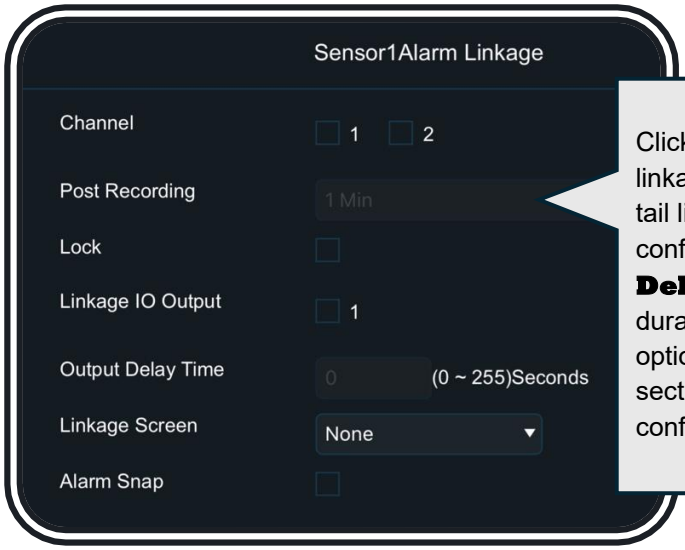


The C6 Lite 2.0 tail wire has two sensor wires (labeled). Please select the appropriate **Sensor Uses** based on the specific wiring method, such as left/right turn signals, reverse signal, etc.



Click **Trigger**, which supports configuring the input source of the IO signal. You can choose between **Voltage** or **Pulse**, as described in the table below. The options for **Effective Time** and **Do Not Refresh Alarm Timer** are explained in the general configuration section

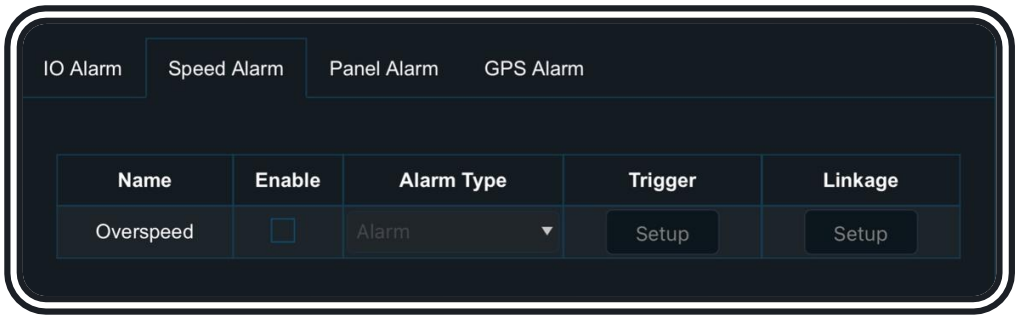
High Voltage	Normally low level, triggered by high level
Low Voltage	Normally high level, triggered by low level
Pulse	Normally low level, triggered by a high-to-low or low-to-high level change

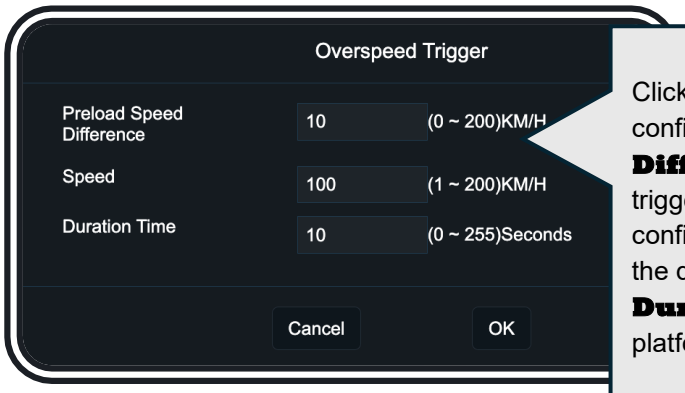


Click **Linkage**, which supports configuring the linkage function for the IO signal. The C6 Lite 2.0 tail line has a **Sensor Out** wire (labeled). By configuring **Linkage IO Output** and **Output Delay Time**, you can set the IO output and its duration after triggering an IO alarm. For other options, please refer to the general configuration section. For details, please refer to the general configuration description

Overspeed Alarm

Note	This alarm is different from the **Speed Limit Sign Alarm**



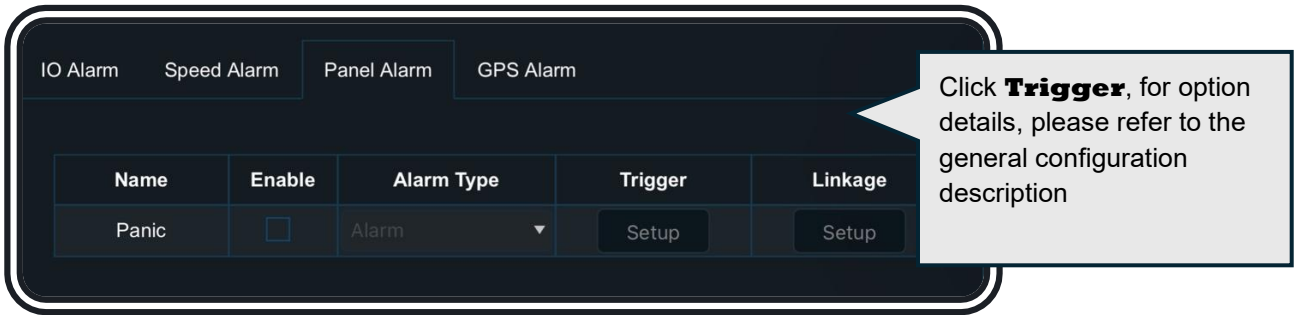


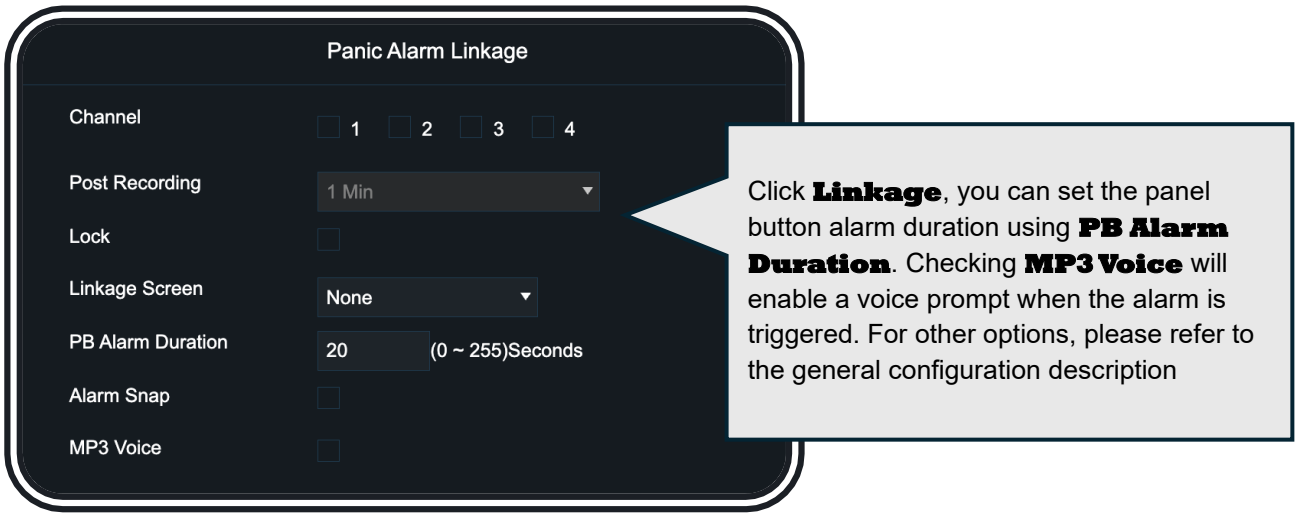
Click **Trigger**, when the vehicle speed exceeds the configured **Speed - Preload Speed Difference**, a pre-warning and voice alert will be triggered. If the vehicle speed exceeds the configured **Speed**, a voice alert will be triggered. If the driver does not slow down within the configured **Duration Time**, the alarm will be reported to the platform

Click **Linkage**, for option details, please refer to the general configuration description

Panel Button Alarm

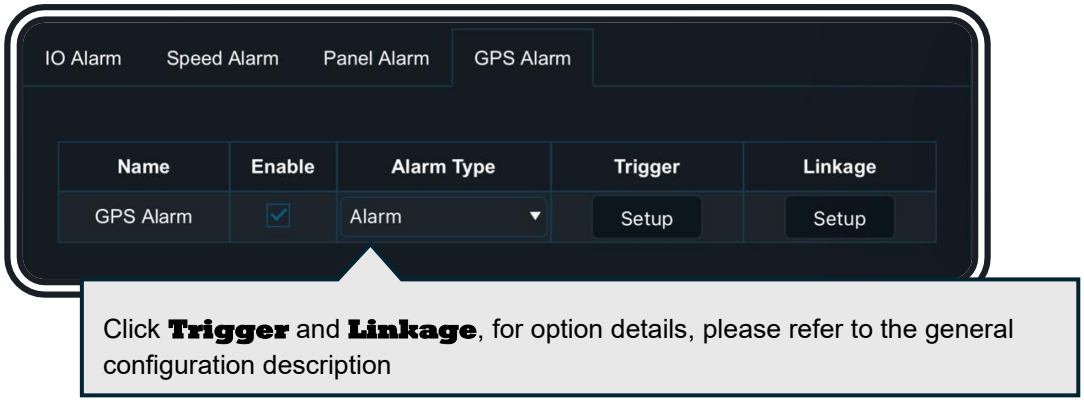
The C6 Lite 2.0 panel has a function button, which can trigger a **panel button alarm** with a single press.





GPS Alarm

A GPS alarm will be triggered when the GPS signal is lost.

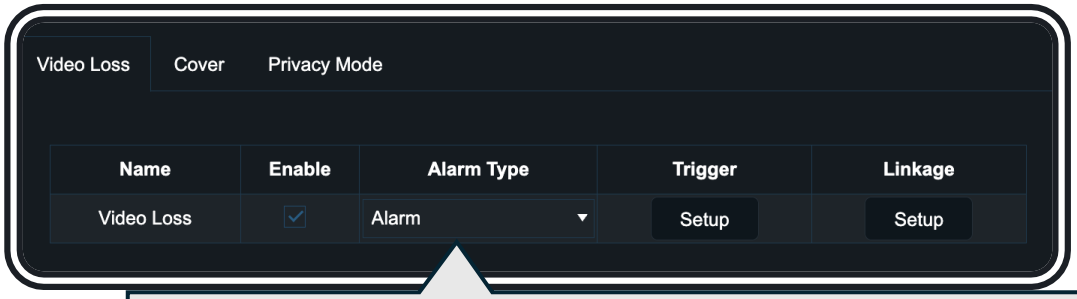


Video Alarms

Click **Preferences – Alarm – Video**:

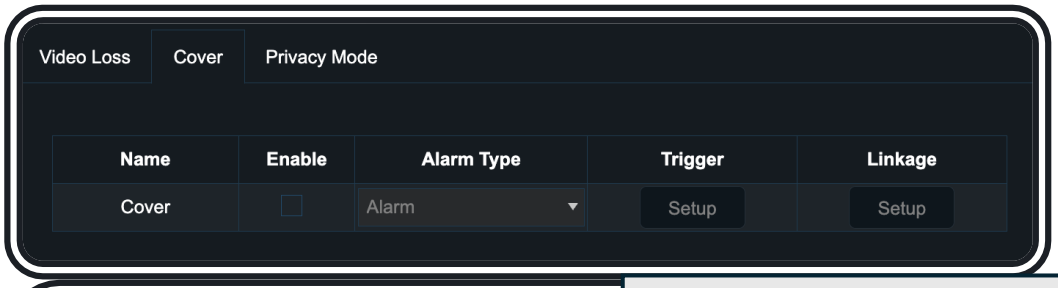
Video Loss Alarm

A **Video Loss Alarm** will be triggered when the camera experiences a malfunction or is physically disconnected



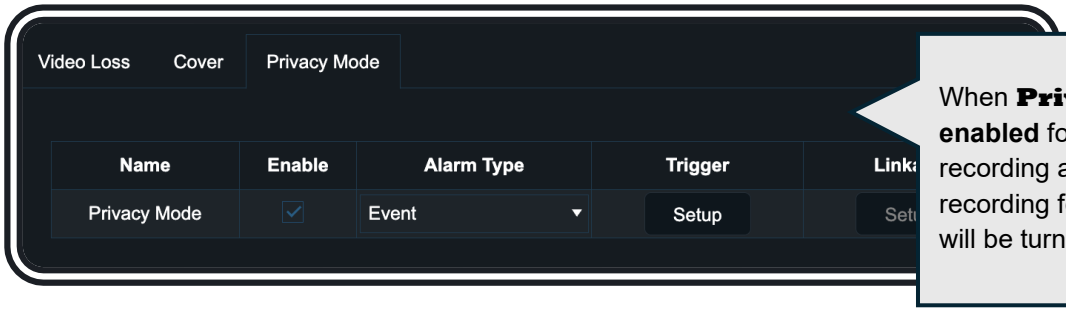
Click **Trigger**, select the channels for which the **Video Loss Alarm** should be enabled. For other options, please refer to the general configuration description.
Click **Linkage**, for option details, please refer to the general configuration description.

Camera Cover Alarm

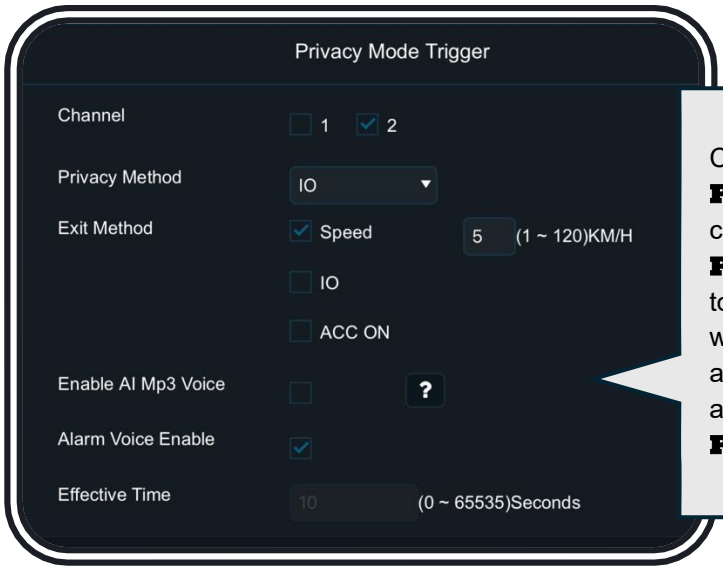


Click **Trigger**, select the channels for which the **Camera Cover Alarm** should be enabled. It supports configuring the sensitivity of the alarm trigger; it also supports setting the alarm trigger based on **Duration Time** and **Speed Range**, meaning that when the vehicle speed exceeds a certain value and the device detects camera obstruction for a specified duration, the alarm will be triggered. For other options, please refer to the general configuration description.

Privacy Mode



When **Privacy Mode** is **enabled** for a channel, recording and audio recording for that channel will be turned off



Click **Trigger**, select the **channels** for which **Privacy Mode** should be **enabled**. You can choose the **Entry/Exit Method** for **Privacy Mode**, **Enable AI Mp3 Voice** to allow AI algorithm detection and AI alarms with voice prompts while in **Privacy Mode**, and enable **Alarm Voice Enable** for voice announcements when entering/exiting **Privacy Mode**

Note

Privacy Mode Entry Methods:

- If **IO** is selected, the **IO** function must be set to **Privacy Mode**. For details, refer to the **IO Alarm** section
- If **ACC OFF** is selected, **Privacy Mode** will be activated when the vehicle's ACC is turned off

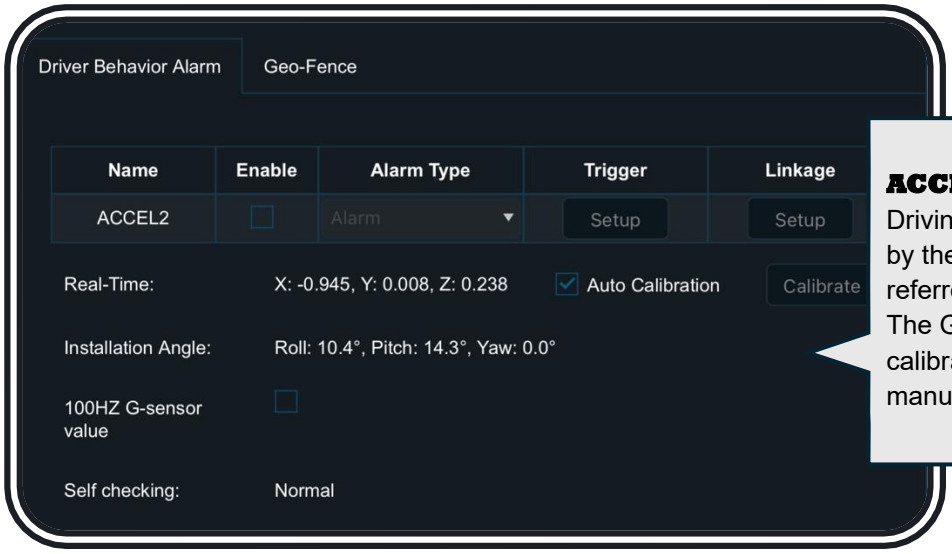
Privacy Mode Exit Methods:

- If **Speed** is selected, a speed value must be configured, meaning **Privacy Mode** will be disabled when the vehicle speed exceeds the set value
- If **IO** is selected, the **IO** function must be set to **Privacy Mode**. For details, refer to the **IO Alarm** section
- If **ACC ON** is selected, **Privacy Mode** will be disabled when the vehicle's ACC is turned on

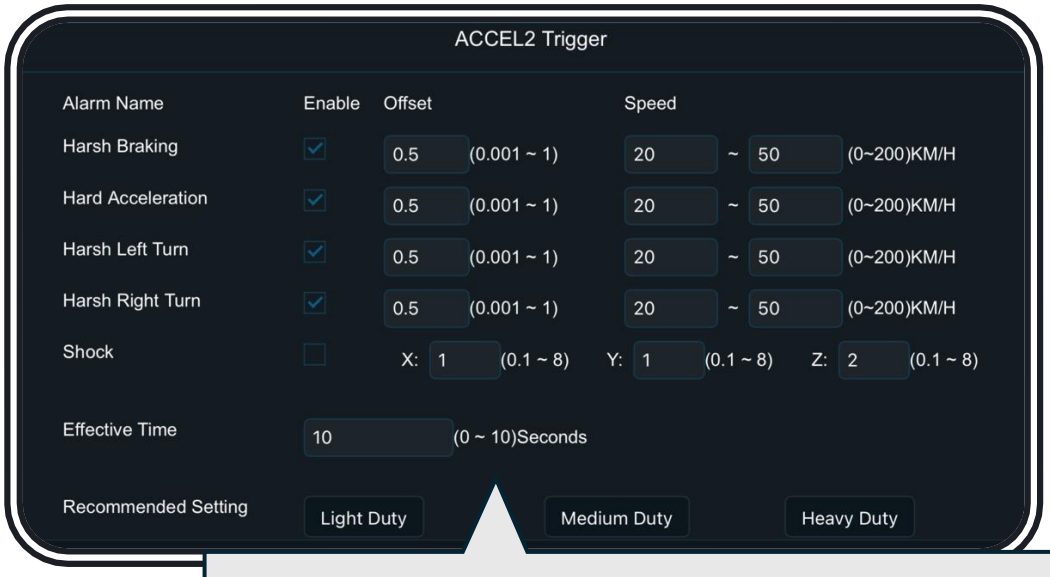
Advanced Alarms

Click **Preferences – Alarm – Advanced**:

Harsh Driving Alarm



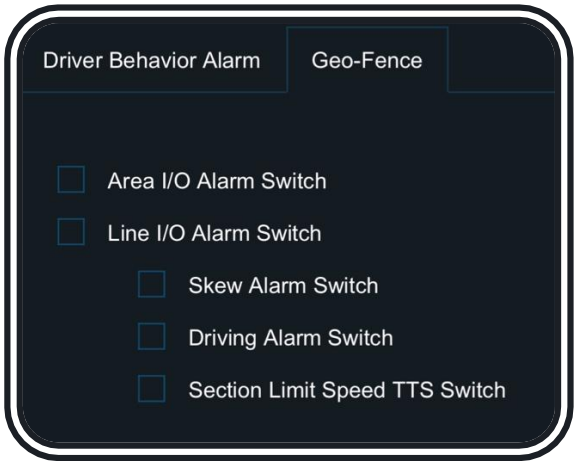
ACCEL2 refers to Aggressive Driving Alarm, which is triggered by the G-Sensor and is often referred to as a G-Sensor Alarm. The G-Sensor can be set to calibrate either automatically or manually



Click **Trigger**, you can adjust the **Offset** value to modify the sensitivity of each alarm: the smaller the offset value, the more sensitive the alarm detection. You can also select the vehicle type to use the corresponding inertial sensor model for optimal detection performance. For other options, please refer to the general configuration description

Click **Linkage**, for option details, please refer to the general configuration description

Geo-Fence Alarm

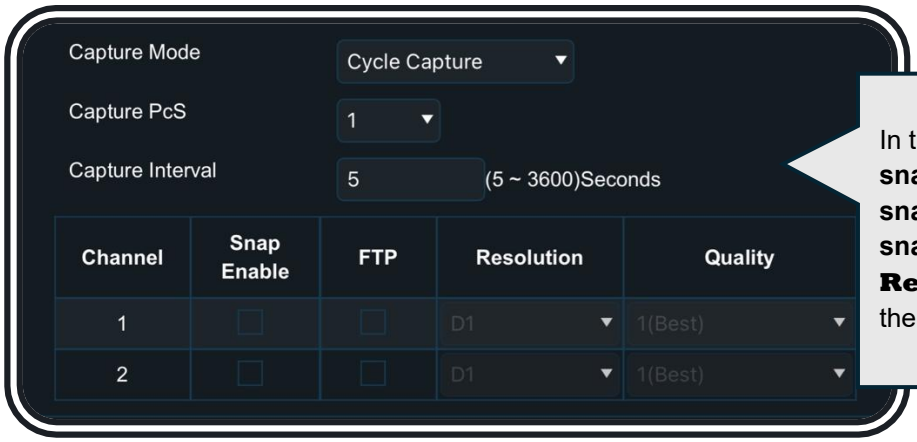


Click **Geo-Fence**, in this interface, you can select the entry/exit fence or route handling strategy. This feature requires integration with the MDR-Dashboard platform or Brigade Video Telematics platform

AI Alarms

Click **Preferences – Alarm – AI App**:

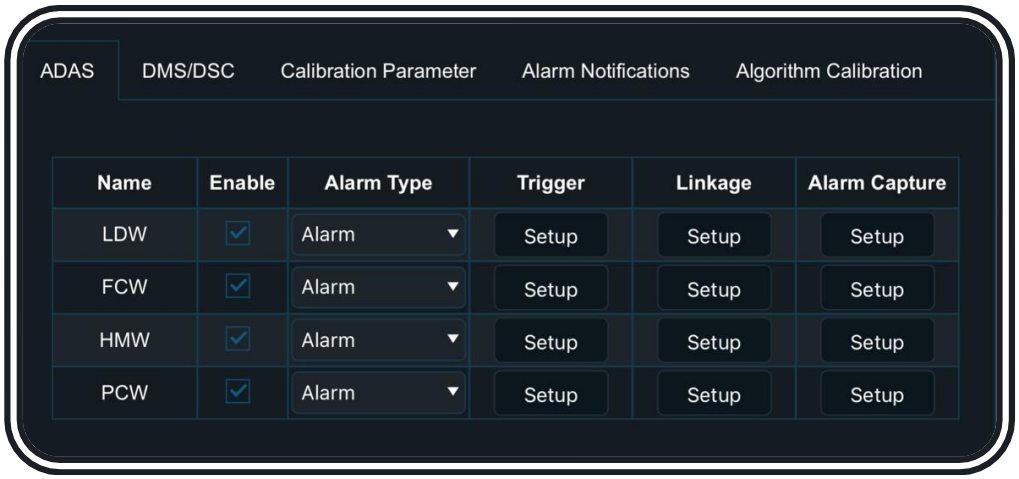
You can set the snapshot logic when an AI alarm is triggered. AI alarms have their own **snapshot logic**, which is independent of the **Snap Setting** section. For each AI alarm, click **Alarm Capture → Setup**:



In this interface, you can set the **snapshot mode**, **number of snapshots**, **snapshot interval**, **snapshot Channel**, and the **Resolution** and **Quality** of the snapshot images

Note	**Capture Mode:** ● Single Capture: Only one snapshot will be taken each time, and the total number of snapshots is determined by **Capture PcS**, while the interval between each snapshot is determined by **Capture Interval** ● Cycle Capture: The number of snapshots taken each time is determined by **Capture PcS**, and the interval between each snapshot is determined by **Capture Interval**, until the alarm ends

ADAS Alarms



LDW Alarm

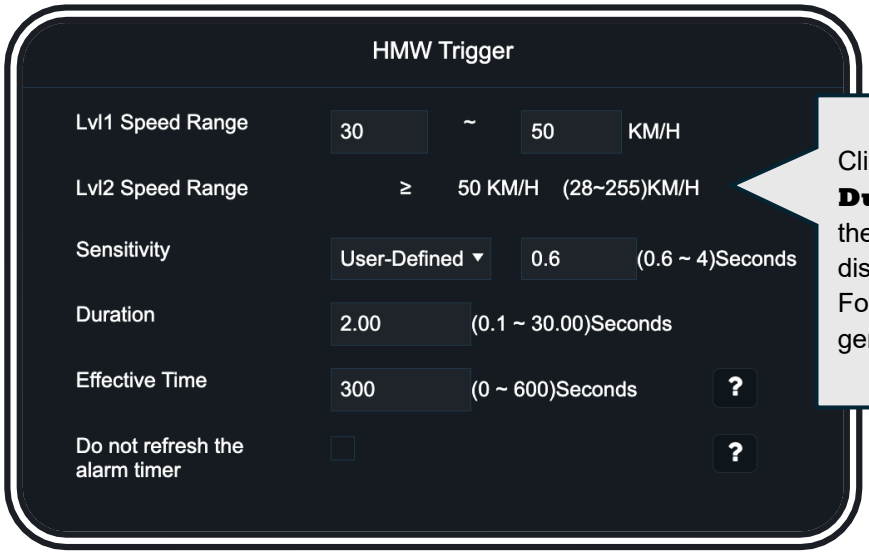
Click **LDW - Trigger**, option details, please refer to the general configuration description

Click **LDW - Linkage**, for option details, please refer to the general configuration description

FCW Alarm

Click **Trigger** and **Linkage**, for option details, please refer to the general configuration description

HMW Alarm



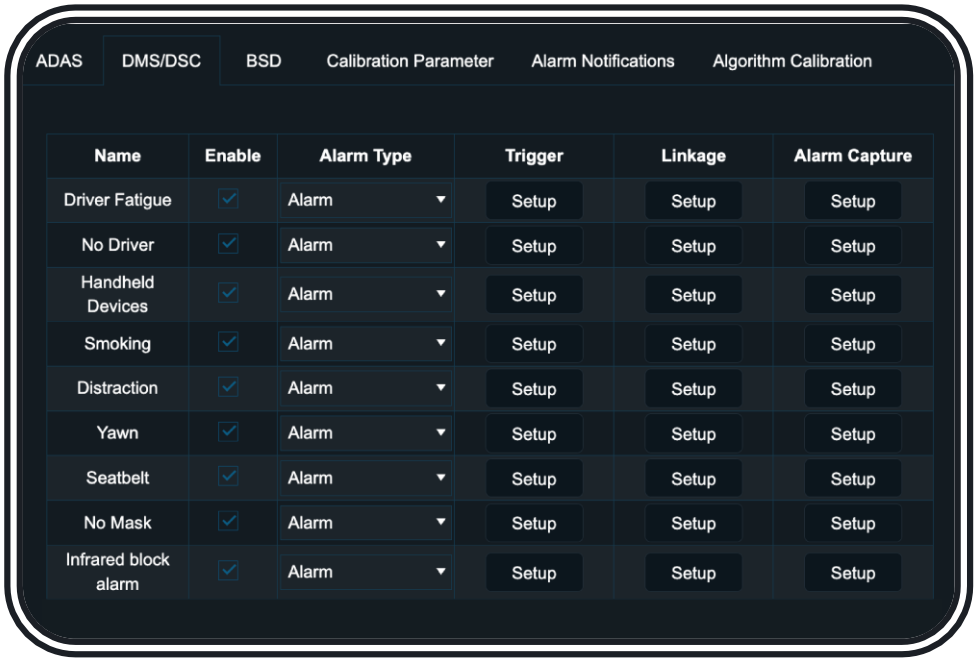
Click **Trigger**, you can set **Duration** to determine how long the vehicle should maintain a close distance before triggering an alarm. For other options, please refer to the general configuration description

Click **Linkage**, for option details, please refer to the general configuration description

PCW Alarm

Click **Trigger** and **Linkage**, for option details, please refer to the general configuration description

DMS/DSC Alarms



Driver Fatigue Alarm

Click **Trigger**, you can enable **frequent eye-closure detection** and set the **duration of a single eye closure**. If the set threshold is met, an alarm will be triggered. You can **also enable high-risk time periods** and **set a time range**, during which the alarm sensitivity will increase, and the threshold will be lowered. For other options, please refer to the general configuration description.

Click **Linkage**, for option details, please refer to the general configuration description

No Driver Alarm

Click **Trigger** and **Linkage**, for option details, please refer to the general configuration description

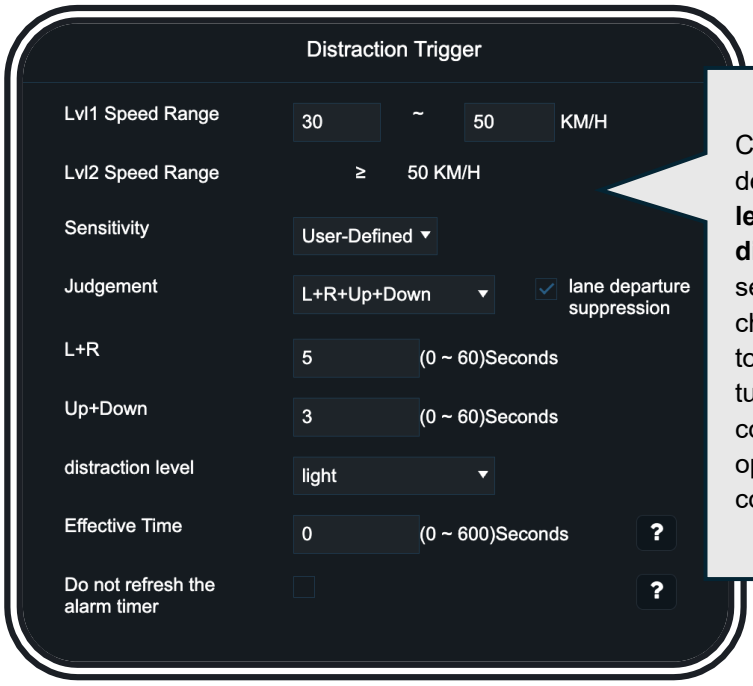
Handheld Device Alarm

Click **Trigger** and **Linkage**, for option details, please refer to the general configuration description

Smoking Alarm

Click **Trigger** and **Linkage**, for option details, please refer to the general configuration description

Distraction Alarm



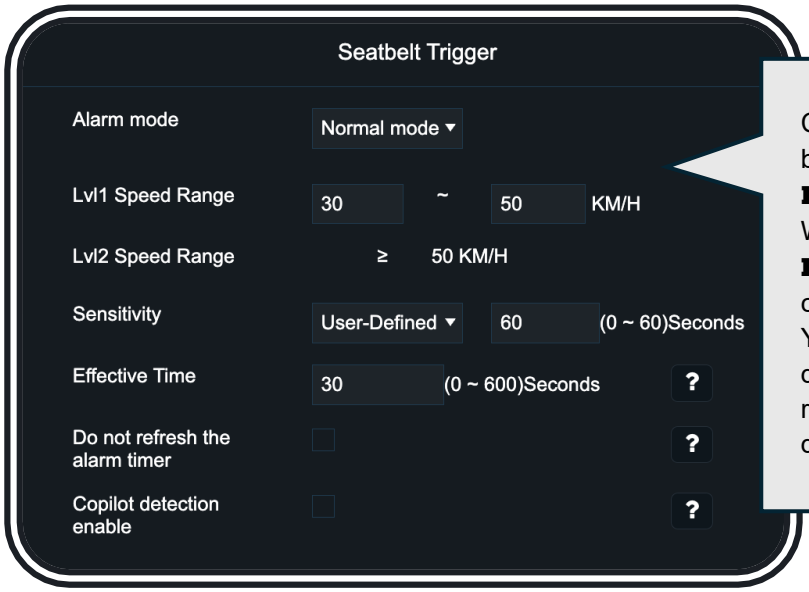
Click **Trigger**, you can set the criteria for determining driver distraction, whether it is **left/right distraction** or **up-down distraction**, and you can configure individual sensitivity settings respectively. You can also check **Lane Departure Suppression** to reduce false alarms caused by the driver turning their head to check mirrors or road conditions during large turns. For other options, please refer to the general configuration description.

Click **Linkage**, for option details, please refer to the general configuration description

Yawn Alarm

Click **Trigger** and **Linkage**, for option details, please refer to the general configuration description

Seatbelt Alarm



Click **Trigger**, you can choose between **Normal Mode** or **Regular Inspection Mode**. When selecting **Regular Inspection Mode**, you can configure the detection interval. You can also enable copilot seatbelt detection. For other options, please refer to the general configuration description

Click **Linkage**, for option details, please refer to the general configuration description

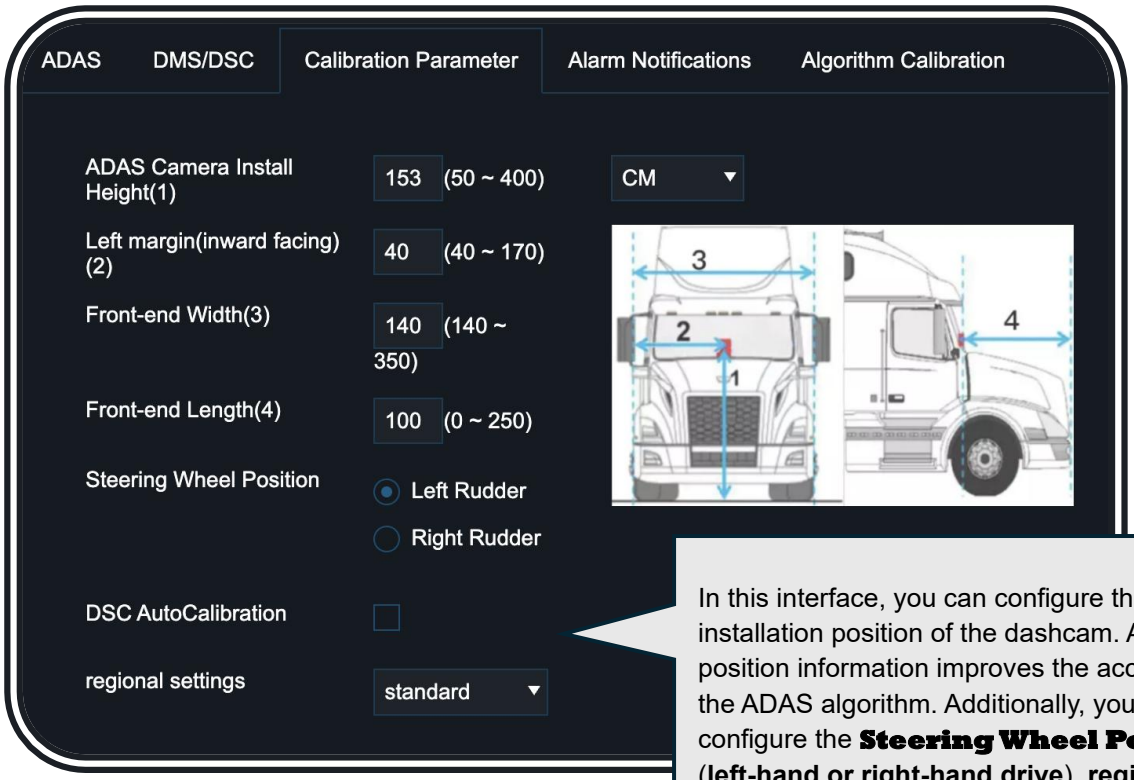
No Mask Alarm

Click **Trigger** and **Linkage**, for option details, please refer to the general configuration description

Infrared Block Alarm

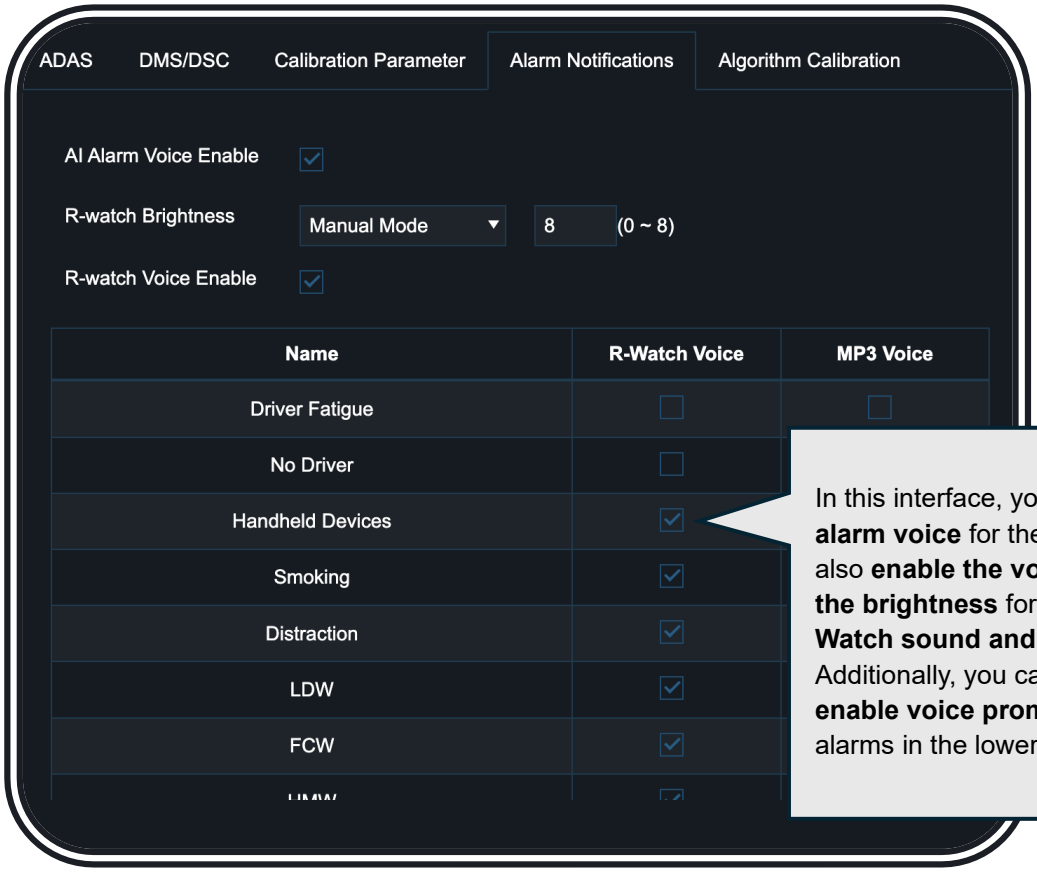
Click **Trigger** and **Linkage**, for option details, please refer to the general configuration description

Calibration Parameter

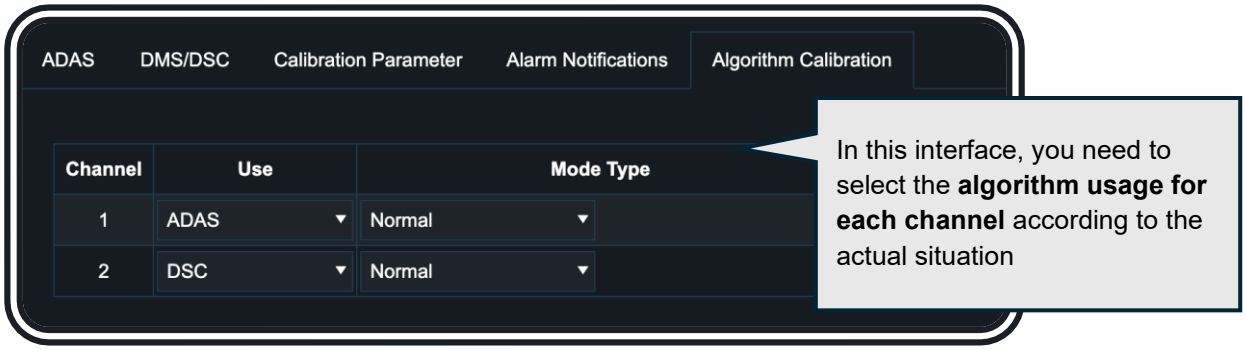


In this interface, you can configure the installation position of the dashcam. Accurate position information improves the accuracy of the ADAS algorithm. Additionally, you can configure the **Steering Wheel Position** (**left-hand or right-hand drive**), **region** (to enhance the recognition accuracy of stop signs and speed limit signs), and whether to enable **DSC automatic calibration**

Alarm Notification



Algorithm Calibration



The C6 Lite 2.0 only supports running two AI algorithms simultaneously, either **ADAS + DSC or ADAS + DMS** (requires an external DMS camera). Please select the algorithm usage for each channel based on the actual situation. More than two algorithms cannot be selected at the same time.