



Industry Dashcam

Quick Start Guide

Legal Information

©2023 Hangzhou Hikvision Digital Technology Co., Ltd. All rights reserved.

About this Manual

The Manual includes instructions for using and managing the Product. Pictures, charts, images and all other information hereinafter are for description and explanation only. The information contained in the Manual is subject to change, without notice, due to firmware updates or other reasons. Please find the latest version of this Manual at the Hikvision website (<https://www.hikvision.com/>).

Please use this Manual with the guidance and assistance of professionals trained in supporting the Product.

Trademarks

HIKVISION and other Hikvision's trademarks and logos are the properties of Hikvision in various jurisdictions. Other trademarks and logos mentioned are the properties of their respective owners.

Disclaimer

TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, THIS MANUAL AND THE PRODUCT DESCRIBED, WITH ITS HARDWARE, SOFTWARE AND FIRMWARE, ARE PROVIDED "AS IS" AND "WITH ALL FAULTS AND ERRORS". HIKVISION MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY, SATISFACTORY QUALITY, OR FITNESS FOR A PARTICULAR PURPOSE. THE USE OF THE PRODUCT BY YOU IS AT YOUR OWN RISK. IN NO EVENT WILL HIKVISION BE LIABLE TO YOU FOR ANY SPECIAL, CONSEQUENTIAL, INCIDENTAL, OR INDIRECT DAMAGES, INCLUDING, AMONG OTHERS, DAMAGES FOR LOSS OF BUSINESS PROFITS, BUSINESS INTERRUPTION, OR LOSS OF DATA, CORRUPTION OF SYSTEMS, OR LOSS OF DOCUMENTATION, WHETHER BASED ON BREACH OF CONTRACT, TORT (INCLUDING NEGLIGENCE), PRODUCT LIABILITY, OR OTHERWISE, IN CONNECTION WITH THE USE OF THE PRODUCT, EVEN IF HIKVISION HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES OR LOSS.

YOU ACKNOWLEDGE THAT THE NATURE OF THE INTERNET PROVIDES FOR INHERENT SECURITY RISKS, AND HIKVISION SHALL NOT TAKE ANY RESPONSIBILITIES FOR ABNORMAL OPERATION, PRIVACY LEAKAGE OR OTHER DAMAGES RESULTING FROM CYBER-ATTACK, HACKER ATTACK, VIRUS INFECTION, OR OTHER INTERNET SECURITY RISKS; HOWEVER, HIKVISION WILL PROVIDE TIMELY TECHNICAL SUPPORT IF REQUIRED.

YOU AGREE TO USE THIS PRODUCT IN COMPLIANCE WITH ALL APPLICABLE LAWS, AND YOU ARE SOLELY RESPONSIBLE FOR ENSURING THAT YOUR USE CONFORMS TO THE APPLICABLE LAW. ESPECIALLY, YOU ARE RESPONSIBLE, FOR USING THIS PRODUCT IN A MANNER THAT DOES NOT INFRINGE ON THE RIGHTS OF THIRD PARTIES, INCLUDING WITHOUT LIMITATION, RIGHTS OF PUBLICITY, INTELLECTUAL PROPERTY RIGHTS, OR DATA PROTECTION AND OTHER PRIVACY RIGHTS. YOU SHALL NOT USE THIS PRODUCT FOR ANY PROHIBITED END-USES, INCLUDING THE DEVELOPMENT OR PRODUCTION OF WEAPONS OF MASS DESTRUCTION, THE DEVELOPMENT OR PRODUCTION OF CHEMICAL OR BIOLOGICAL WEAPONS, ANY ACTIVITIES IN THE CONTEXT RELATED TO ANY NUCLEAR EXPLOSIVE OR UNSAFE NUCLEAR FUEL-CYCLE, OR IN SUPPORT OF HUMAN RIGHTS ABUSES.

IN THE EVENT OF ANY CONFLICTS BETWEEN THIS MANUAL AND THE APPLICABLE LAW, THE LATTER PREVAILS.

Regulatory Information

FCC Information

Please take attention that changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Compliance

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

FCC Conditions

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

EU Conformity Statement

 This product and - if applicable - the supplied accessories too are marked with "CE" and comply therefore with the applicable harmonized European standards listed under the RE Directive 2014/53/EU, the EMC Directive 2014/30/EU, the LVD Directive 2014/35/EU, the RoHS Directive 2011/65/EU.

 2012/19/EU (WEEE directive): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see: www.recyclethis.info

 2006/66/EC (battery directive): This product contains a battery that cannot be disposed of as unsorted municipal waste in the European Union. See the product documentation for specific battery information. The battery is marked with this symbol, which may include lettering to indicate cadmium (Cd), lead (Pb), or mercury (Hg). For proper recycling, return the battery to your supplier or to a designated collection point. For more information see: www.recyclethis.info

Industry Canada ICES-003 Compliance

This device meets the CAN ICES-3 (A)/NMB-3(A) standards requirements.

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.

Safety Instructions

- Proper configuration of all passwords and other security settings is the responsibility of the installer and/or end-user.
- In the use of the product, you must be in strict compliance with the electrical safety regulations of the nation and region. Please refer to technical specifications for detailed information.
- Input voltage should meet limited power source or PS2 requirements according to the IEC60950-1 or IEC 62368-1 standard. Please refer to technical specifications for detailed information.
- Do not connect several devices to one power adapter as adapter overload may cause overheating or a fire hazard.
- Please make sure that the plug is firmly connected to the power socket.
- If smoke, odor or noise rise from the device, turn off the power at once and unplug the power cable, and then please contact the service center.

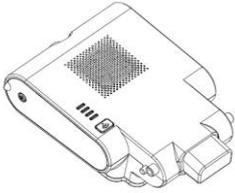
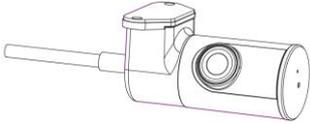
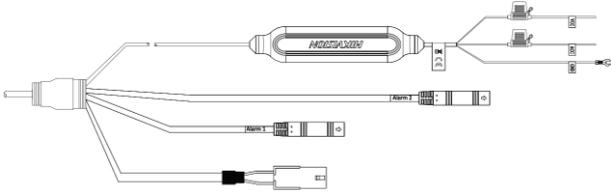
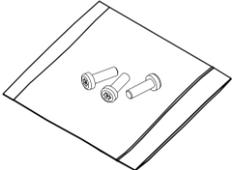
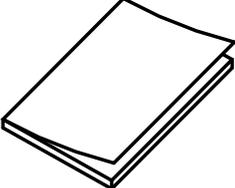
TABLE OF CONTENTS

Chapter 1 Package Check	1
Chapter 2 Introduction	2
2.1 Product Introduction.....	2
2.2 Product Features.....	2
2.3 Overview of the Dashcam	3
2.4 Wiring.....	5
Chapter 3 Installation	7
3.1 Install the TF Card and SIM Card.....	7
3.2 Install the Dashcam.....	7
3.3 Install the on-board Camera.....	10
Chapter 4 Quick Configuration	13
4.1 Front Page	13
4.2 Quick Configurations.....	14
Chapter 5 FAQ	17
5.1 Dashcam Start Failure	17
5.2 Video Recording Failure	17
5.3 Position Failure	17
5.4 Blurry Video Image.....	17

Chapter 1 Package Check

Please check the package of the camera for damages. After opening the package, please check the whether all the items are complete according to the table shown bellow. If all items are complete, then devices are ready for installation.

Table 1-1 Packing List

No.	Picture	Name	Number
1		Dashcam	1
2		On-board Camera	1
3		Cables	1
4		Screws	1
5		Quick User Guide	1

 **Note**

The mobile camera is optional, and the picture is for reference only.

Chapter 2 Introduction

2.1 Product Introduction

This dashcam is a video and audio intelligent monitoring product for vehicle. With advanced image acquisition technology and high-definition video recording technology, it records the front vision of the vehicle. With high-fidelity sound recording technology, it synchronizes the video and audio in the vehicle. With high-precision positioning technology, it offers excellent vehicle positioning service. It uses intelligent AI algorithm for driving behavior monitoring, which ensures the service quality and protects the legitimate rights and interests of drivers and passengers. The dashcam combines rich functions with excellent performance, stability, compactness, low power consumption and easy installation and maintenance. The product can be widely applied to vehicles such as ride-hailing cars, taxis, official cars and other industries cars.



This product is subject to active development, which means that some functions may differ from what is presented in this manual. Please refer to the actual product for your reference.

2.2 Product Features

- Up to 1080P resolution
- Supports 3-ch video, 1-ch audio (CH 1)
- Supports GPS and speed overlay on picture
- Supports built-in Wi-Fi module, supports Wi-Fi AP
- Supports 4G network
- Supports dual-TF card storage and recording overwrite
- Supports preview, playback and editing parameters via APP
- Supports built-in Gyroscope
- Compatible with 2-ch 720P TVI extended camera
- DSM alarm supports driving safety monitoring etc.
- Easy installation and operation
- Low power consumption and high performance
- Supports HCC and HCP Platforms

2.3 Overview of the Dashcam

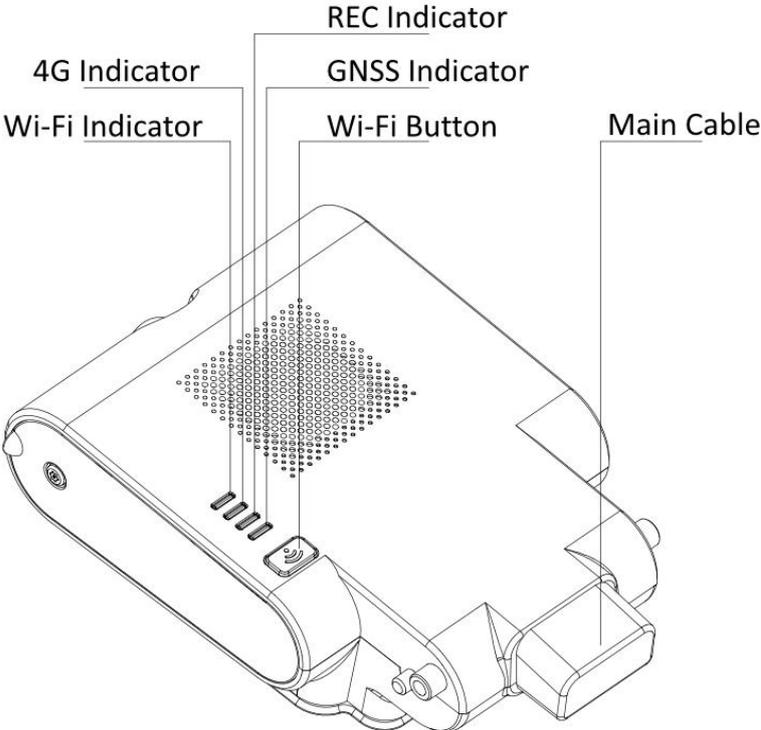


Figure 2-1 Bottom Panel

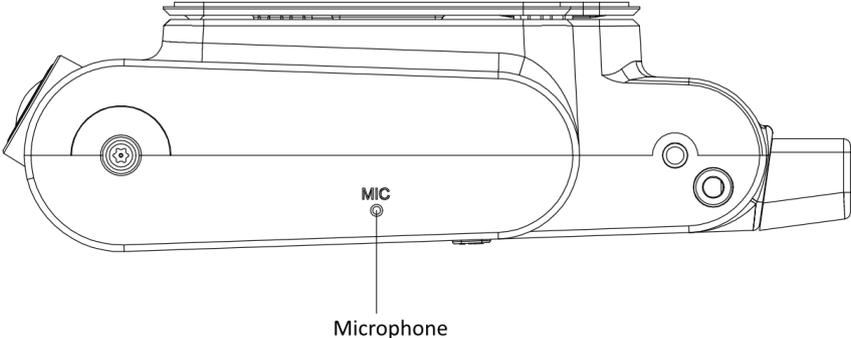


Figure 2-2 Left Panel

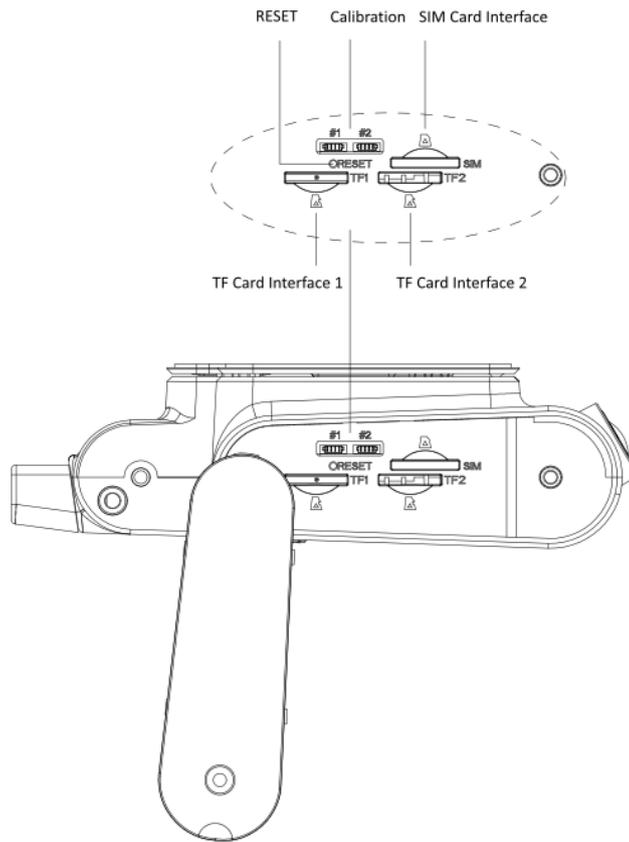


Figure 2-3 Right Panel

Note

Press Wi-Fi button to enable Wi-Fi AP.

When the dashcam is on, press shortly the RESET button with a solid insulator to restart the device. Press and hold for 5 seconds to restore to the default setting.

Refer to the following table for the meaning of indicators.

Table 2-1 Indicator Status and Meaning

Indicator	Status	Meaning
Wi-Fi Status Indicator	Constant	APP connected to the device
	Flickering	Wi-Fi AP on
	Off	Wi-Fi AP off
4G Status Indicator	Constant	4G signal and platform connection normal
	Flickering	4G signal normal but platform disconnected
	Off	No 4G signal
REC Status Indicator	Constant	Recording normal
	Flickering	Recording error, TF card to be checked
GNSS Status Indicator	Constant	Positioning normal
	Flickering	No positioning signal

2.4 Wiring

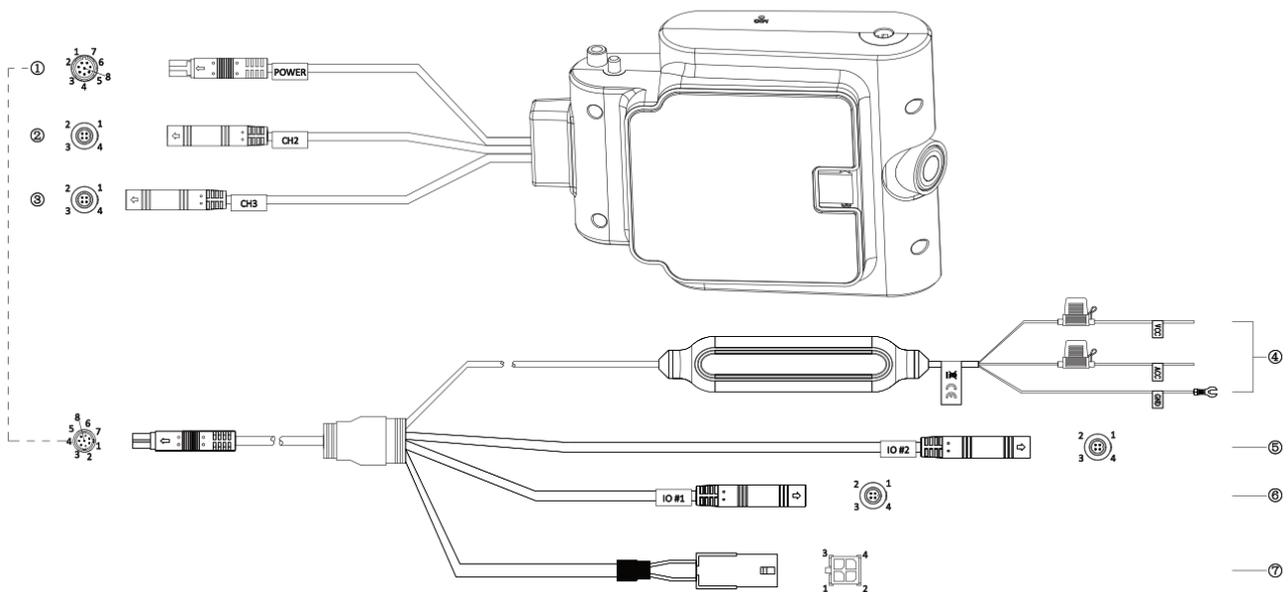


Figure 2-4 Wiring

- ① Power Interface: 8-pin BM male terminal connects to Power cable.
- ② CH2: 4-pin BM male terminal connects to 4-pin BM camera.
- ③ CH3: 4-pin BM male terminal connects to 4-pin BM camera.

- ④ Power Cable: ACC connects to vehicle ACC via the power connector, VCC connects to vehicle power positive via the power connector, GND to the ground line.
- ⑤ IO #2: Connects to alarm button, facilitate capture and upload alarm information to the platform connected.
- ⑥ IO # 1: Same as alarm 2.
- ⑦ RS232 serial port: Reserved connection to periphery.

Chapter 3 Installation

3.1 Install the TF Card and SIM Card

The TF card is for the storage of recordings and snapshots. The SIM card is for connecting to 3G/4G network. The installation method of both is the same.

The dashcam records videos in a loop. When the TF card storage is used up, then later recordings will cover earlier recordings. Please backup the recordings after an accident or other important events.



You need to format the TF card when using the TF card for the first time. To format the TF card, you need to insert the TF card into the dashcam and then choose the TF card formation option on the dashcam app. Formation with a computer will not work.

Step 1 Loosen the screw and open the cover from the bump of the cover.

Step 2 Push the TF card into either the TF1 or TF2 slot until you hear a click sound.

Step 3 Put on the cover and tighten the screw on the screw hole.



The recording will start once the TF card is installed. Contact the sales for specialized app to set up recording parameters and management.

3.2 Install the Dashcam

The dashcam can be installed on the front car windshield as shown in the following.

Step 1 Clean the windshield and make sure that the surface is dust free.

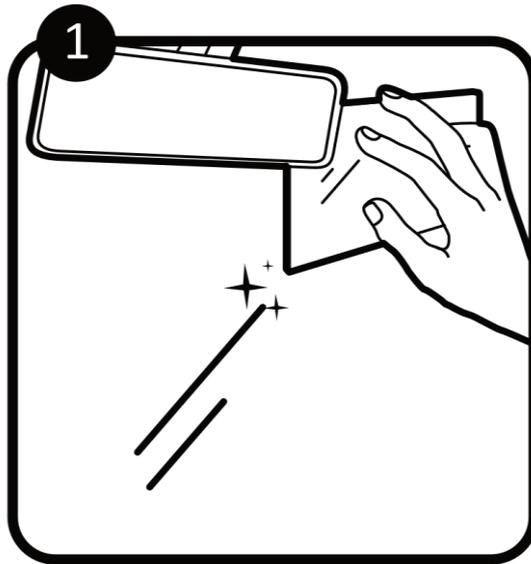


Figure 3-1 Clean the Windshield

Step 2 Tear off the 3M release paper and install the dashcam; connect it to power cord and wire the dashcam as shown below.

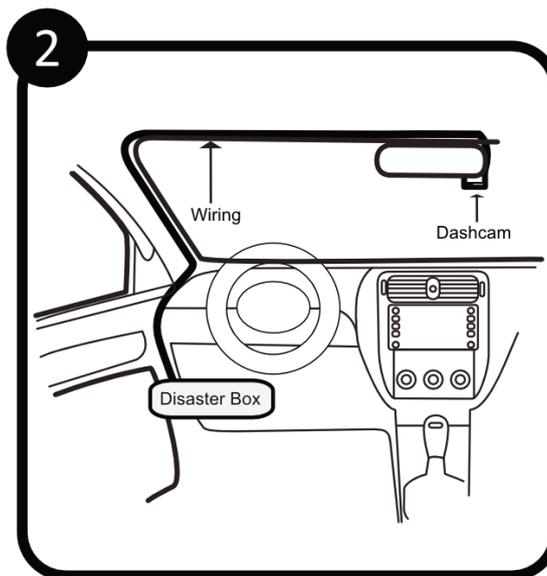


Figure 3-2 Install the Dashcam

Step 3 Connect the cables: ACC to the vehicle ACC, VCC to the positive of the vehicle power, GND to the ground.

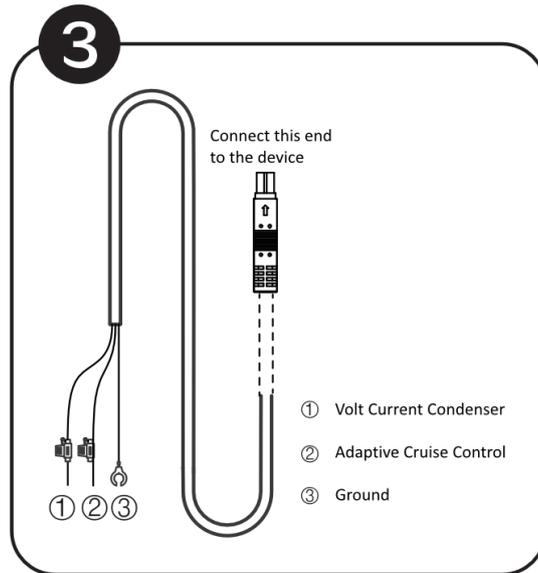


Figure 3-3 Connect the Cables

Step 4 Adjust the camera to the proper angle and fix the camera angle by tightening the fixing screw. When adjusting the dashcam, make sure that the horizontal line is between the sky and ground.

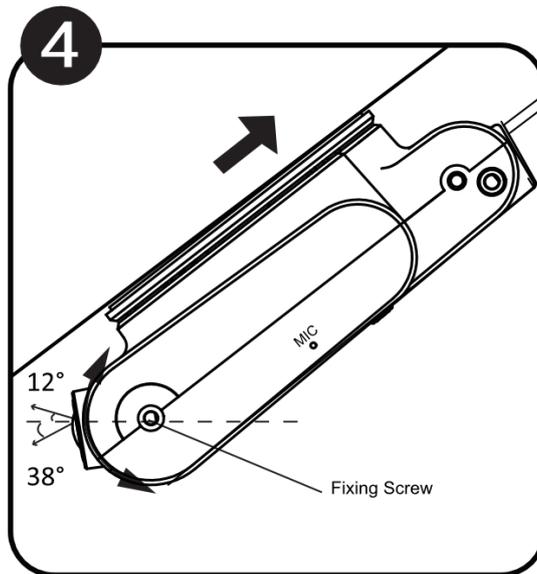


Figure 3-4 Adjust the Angle

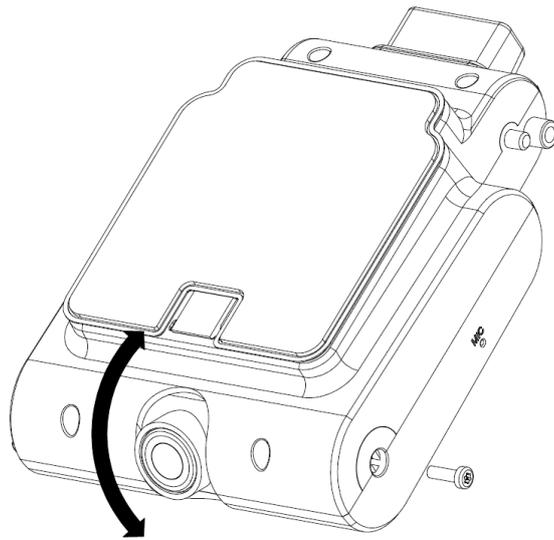


Figure 3-5 Adjust the Camera Angle

3.3 Install the On-Board Camera

The on-board camera can be installed on the inside of the front windshield, as shown in the follows.

Step 1 Clean the windshield and make sure that the surface is dust free.

 **Note**

The recommended install position is inside the windshield and make sure that the camera vision includes the whole vehicle interior.

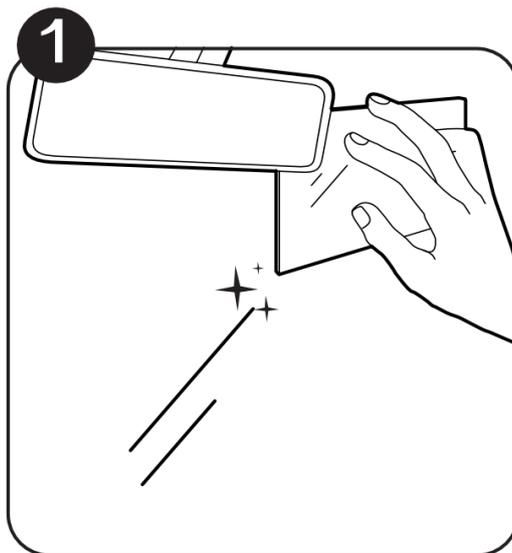


Figure 3-6 Clean the Windshield

Step 2 Fix the camera: tear off the release glue on the camera and press the camera on the installation position for 30 s.

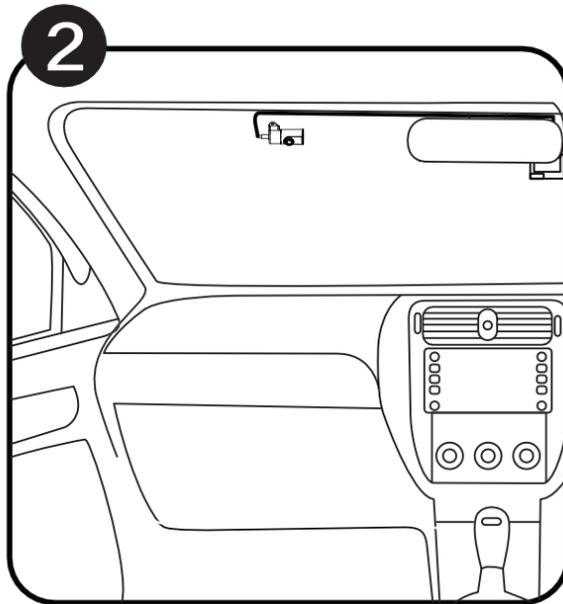


Figure 3-7 Fix the Camera

Step 3 Adjust the camera angle: after fixing the camera, rotate its lens to make sure that its view includes all the monitor area.

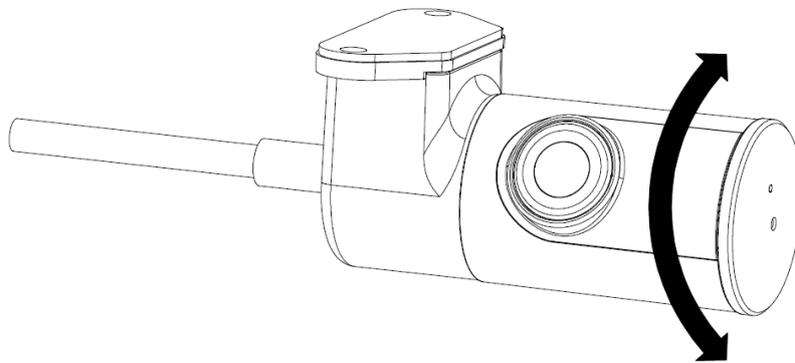


Figure 3-8 Rotate to Adjust the Camera Angle

Step 4 Fix the camera angle: after confirming the camera angle, tear off the sticker of on the anti-rotation lock and put the anti-rotation lock into the camera.

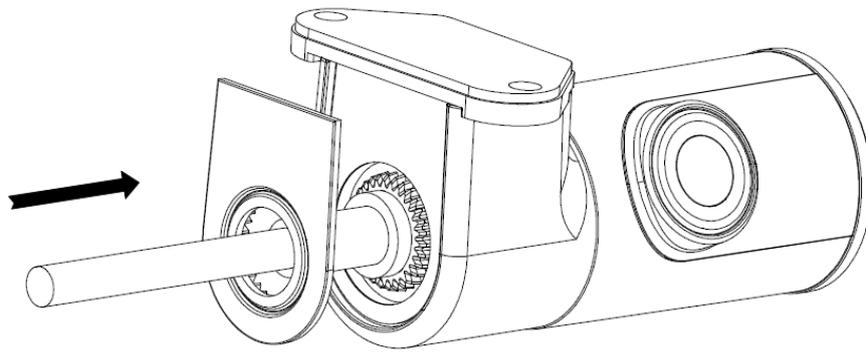


Figure 3-9 Fix the Camera Angle

Note

As the anti-rotation lock has to go through the cable of the camera, you should not connect the camera to the dashcam too early.

Step 5 Connect the camera cable to the CH2 of the dashcam cable.

Chapter 4 Quick Configuration

4.1 Front Page

The front page of the HAT-Dashcam app is the “Preview” interface. You can preview the image of the dashcam and configure its setup on the startup page. You can also open the menu on left to disconnect the connection and open the configuration center.

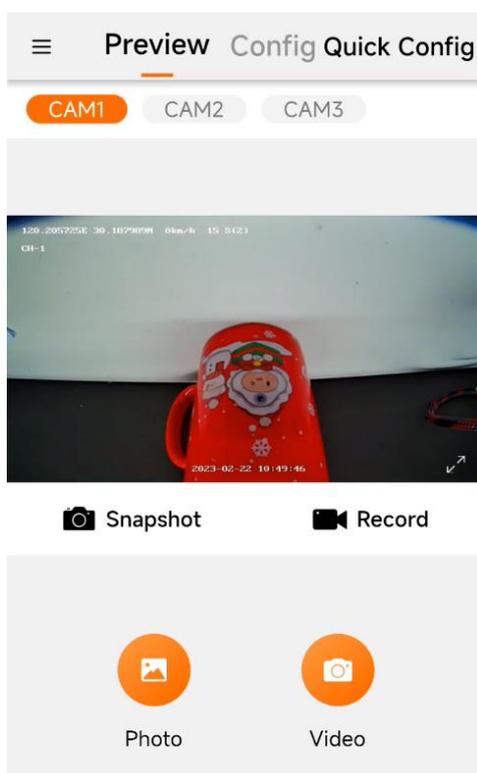


Figure 4-1 Front Page

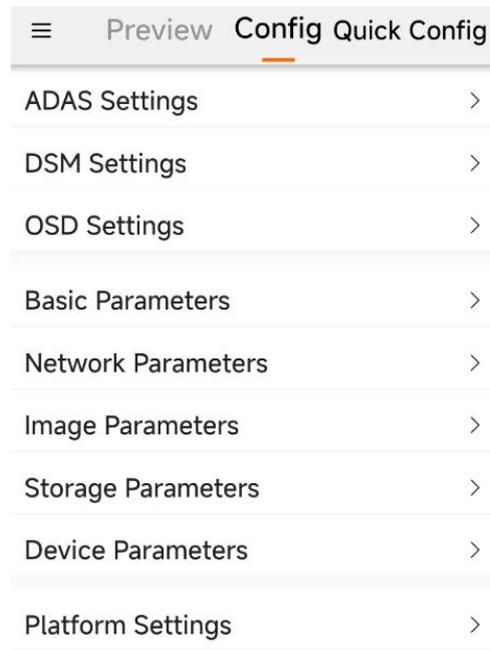


Figure 4-2 Configuration Page

4.2 Quick Configurations

You can set the plate number and color, and upload them to the platform.

Step 1 Tap the quick Config button the front page. You can also go to Config->Basic Parameters to fill in the plate number and color.

Step 2 On the quick Config interface, type in the plate number and choose the plate color. Tap Save and Next.

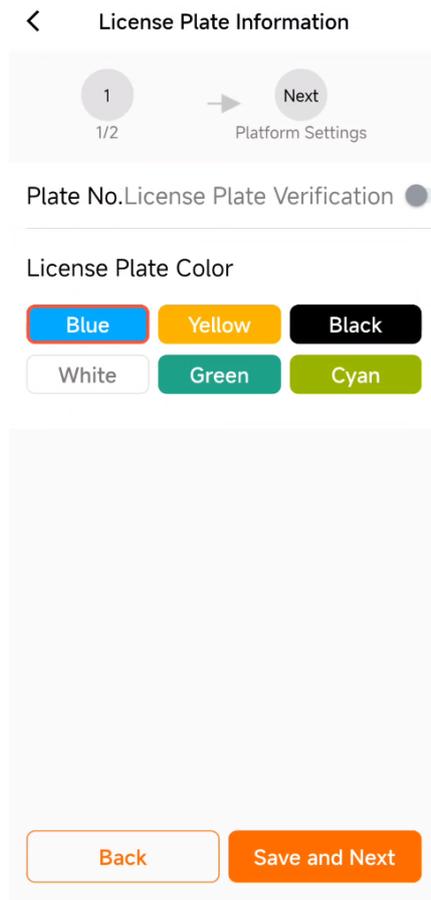


Figure 4-3 License Plate Information

Step 3 Type in the platform data according to your need. Tap "Finish and Reboot" to finish the plate information quick configuration.

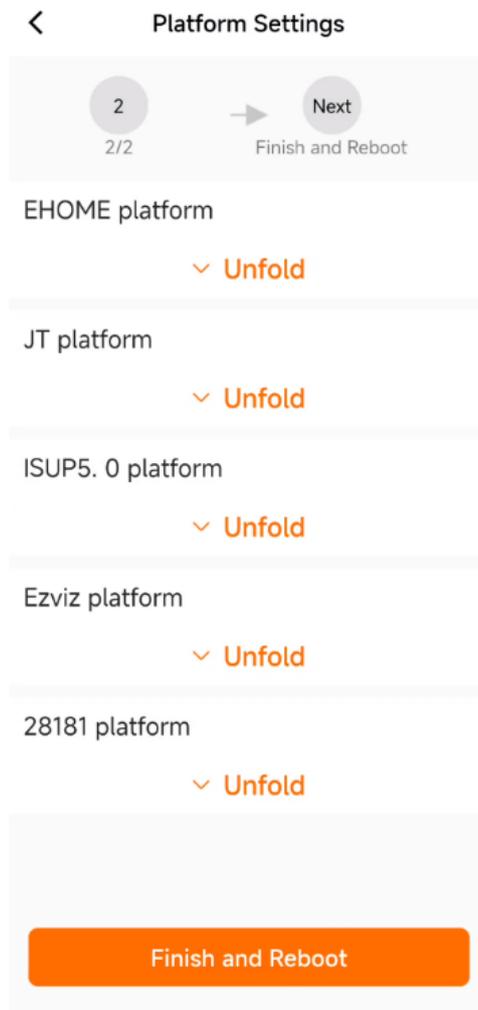


Figure 4-4 Platform Settings

Chapter 5 FAQ

5.1 Dashcam Start Failure

- Check whether the power supply is consistent with the required parameters of the dashcam.
- Check that the power cord is properly connected.
- Check that the vehicle power supply is normal.

5.2 Video Recording Failure

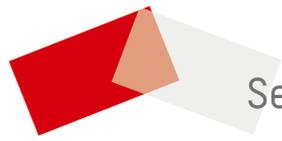
- Please confirm that the vehicle dashcam has inserted a TF card.
- Please confirm if the TF card is damaged, and if it is damaged, replace the TF card.
- Please try formatting the TF card.

5.3 Position Failure

- Please check whether there is any obstruction around the vehicle, drive the vehicle to an open road, the GNSS indicator is always on to indicate that the equipment is operating normally.
- Do not fix the dashcam on the special car film, some car film will affect the positioning signal, you need to move the dashcam to a place without the car film covering.

5.4 Blurry Video Image

- Please check that the lens protector has been removed.
- Whether the lens is dirty.



See Far, Go Further