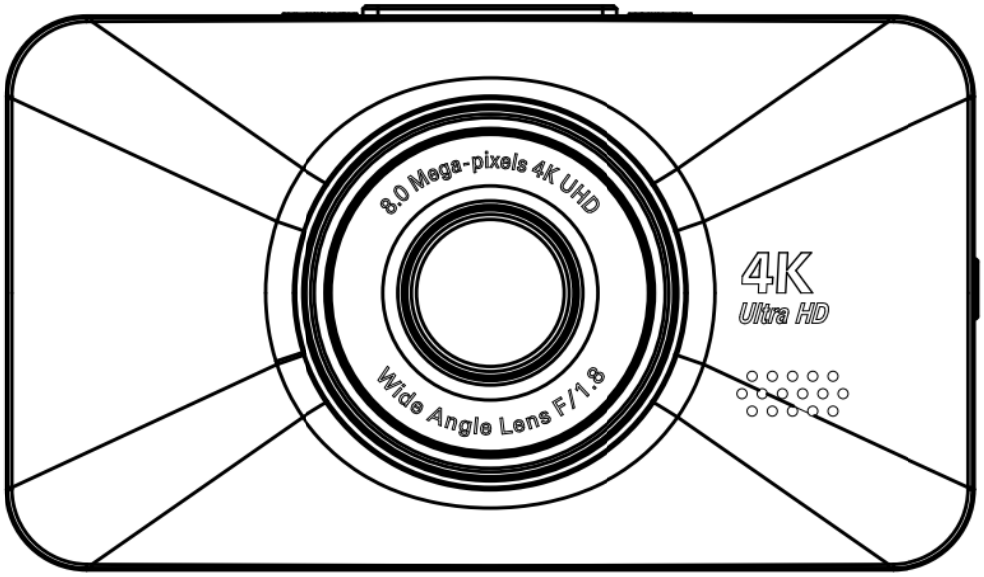
DASH CAM
User's manual



RoHS FC CE

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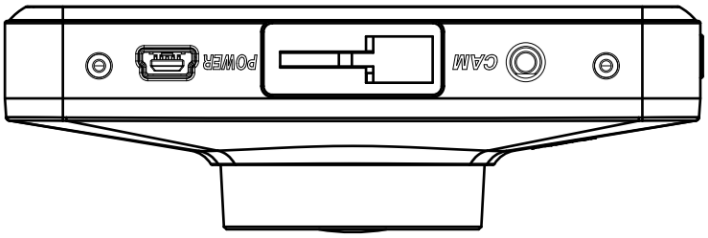
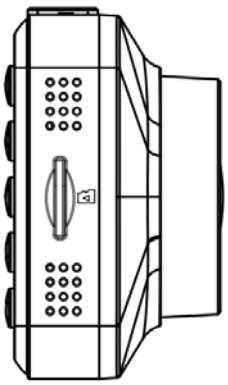
Important Notice

- Due to the fast power consumption of camera, it should be connected to an external power supply always, otherwise the built-in Lithium battery will run out quickly.Be sure to power the camera with the original power adapter included.
- For safety reasons, this camera has a small built-in Lithium battery, which is used to save the video file after external power supply cuts off (car turns off).
- This camera records video at high resolution. Be sure to use high speed Micro SD card (Class 10 or above). 32 GB -128 GB Micro SD card is recommended. Support Max 128 GB card.
- Before using this camera, please insert micro SD card to camera before power on then format it in the setting of camera,if it failed, please format it to FAT32 on computer firstly.
- This product is intended for using in vehicles only. Do NOT install the camera where it might block the driver's view of road (including the mirrors) or the deployment of the airbag.
- Be sure the camera lens is clean and there is nothing blocking the lens.
- DO NOT leave the camera in direct sunlight for a long period of time or where the temperature could go above 140°F(60°C).

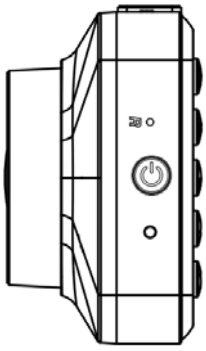
USB Port Mount Socket CAM



Memory
Card Slot

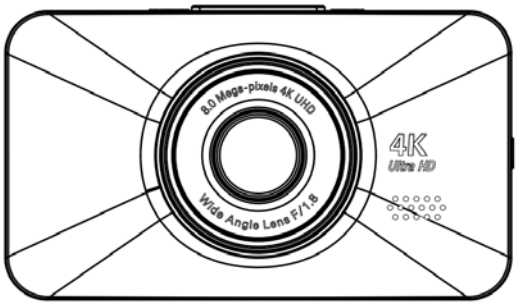


Power/Screen
On or off button



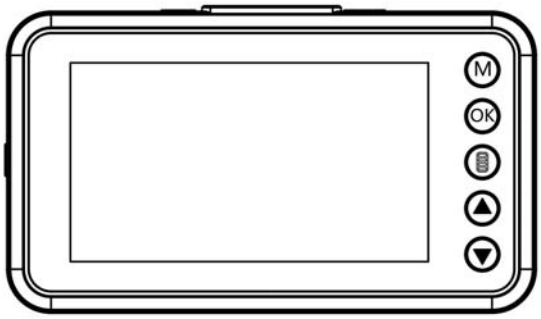
Reset button

Indicator light



Lens

Mode button



OK button
Locked/Menu
UP button/Rewind

Down button/Fast forward

Name	Icon	Function analysis
Power button		Long press the power button to start the device, long press to shut down. The screen can be switched on and off by short pressing power button under the power-on state.
Reset Button	R	When the machine fails, try to insert a pin into the reset hole to reset the machine.
Indicator light	/	Steady red light indicates charging, Flashing blue light indicates that the video is being recorded.
Mode button	M	Short press to switch: video mode, photo mode, playback mode, return.
0K button	OK	OK/recordbutton/photographbutton/back (in menu mode)
Menu/Locked		Menu entry or exit, lock/unlock/delete/return (in menu mode)
UP button		Up button/Rewind/WIFI on/off
Down button		Down button/Fast forward/record audio operation shortcuts
Lens	/	For shooting

Memory Card Slot	/	This camera records video at high resolution. Be sure to usehigh speed Micro SD card (Class 10 or above). 32 GB -128 GB Micro SD card is recommended. Support Max 128 GB card.
USB port	/	USB storage/charging
CAM	/	Used to connect the rear lens
screw	/	Used to fix the shell

◆ON/OFF

Long press and hold the power button to power on, and long press and hold again to power off. You can set the automatic shutdown in the menu (1 minute/3 minutes/5 minutes); when the dash cam stops recording video, it will automatically shut down according to the set time.

Turn off the screen

In the power-on state, short press the ⏻ key once to turn the display,and all keys could turn on the display.

The sleep time (1 minute/3 minutes/5 minutes) can be set in the menu. During the recording process, the driving recorder will automatically turn off the screen according to the set time. Video recording will continue after the screen is turned off.

Charging

Use the car power supply, connect the USB port, and charge the driving recorder. The symbol is displayed as . when charging, and as hen fully charged, the entire charging time is about 1 hour.

Video

1. When the machine detects the power input, it will automatically turn on and start recording automatically (the "" in the upper left corner is flashing), press the key to op/start recording. When the sign in the upper left corner changes from red to yellow it means the current recording is locked.When the upper left corner mark is yellow, it is in the locked state. You need to press the OK key and other signs to turn red before continuing to press the Menu/Locked key to adjust the settings.

2. Press any key during the recording process to display the hidden icons on the recording screen.

3.In the video mode and the icons are displayed, press the key to open or close the recording.

4.In the video mode and the icons are displayed,press the key to

lock the current video.

5. During the recording process and the icons are displayed, press the down key to turn on or off the audiorecording.

Photo

During video recording, press the M key to take a picture .

In the standby mode(not recording), press the M button to switch to the photo mode, and then press the OK button to take a photo at a time.

Video mode and photo mode interface

Front camera and Rear camera display switching

When connecting the rear camera, press the △ button to alternately switch the front camera, the rear camera or the simultaneous display of both cameras. (If the screen of the rear

camera is displayed before the shutdown, the screen of the rear camera is also displayed when the machine is turned on again.)

◆Playback and deletion of files

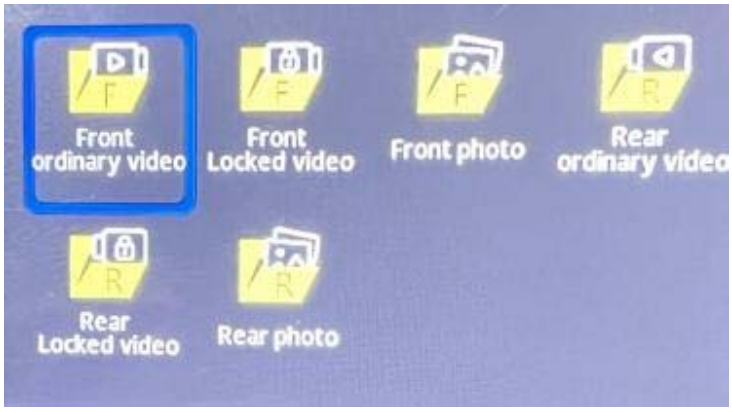
This mode allows you to playback recorded video or view photos.

1. Push OK to stop video recording firstly, then push M twice to switch.

2. Push △ and ▽ to scroll through the recorded files/photos.

3. Push OK to view all recorded videos, push OK again to playback video you want. When the video is playing, you can push OK to pause video. Push ▤ to choose delete current video or not.

Note: Push Ⓜ to return to the playback mode.



Setting Menu

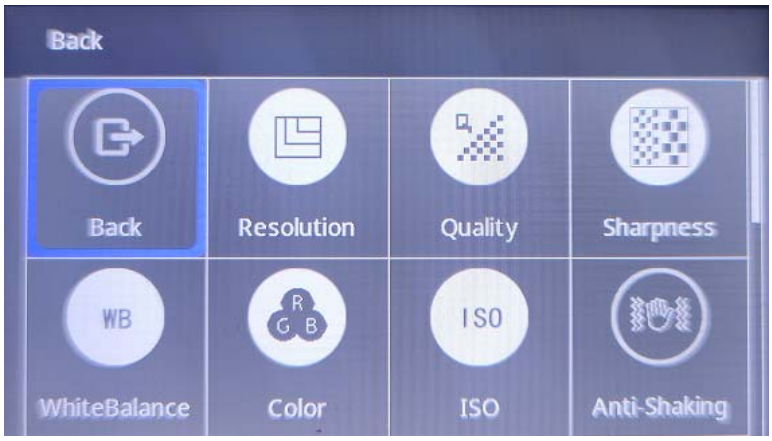
Menu in video mode

In the Video mode(standby,not recording), short press the button to enter the camera menu, and use the up/down buttons to select the sub-menu to be set for setting.

Resolution	4K / 2K / 1080P

Loop Record	Off/1 min/3 min/5 min
EV	±2
License Plate	On/Off Default: Off
Audio record	On/Off Default: On
Date stamp	On/Off Default: On
G-Sensor	Off/Low/Middle/High Default: Middle
Parking Guard	On/Off Default: Off
Auto Power off	Off/1min/3min/5min Default: Off
Screen saver	Off/30s/1min/3min/5min Default: Off
Frequency	50Hz/60Hz
USB Mode	USB storage/ charge Default: charge
Mirror Image	On/Off Default: Off
Speaker	Mute/Low/Middle/High Default: Middle
Boot sound	On/Off Default: On
Key Sound	On/Off Default: On
Language	multilingual
Date/Time	Press OK key and Mode key to select time, date, date format and time format respectively for setting Press up/down keys to adjust date, time, date format, time format
Time Zone	±12
Speed Unit	KMH/MPH
GPS test	Display the current GPS signal status and latitude and longitude information
Format	Whether to format the memory card

Default	Whether to restore factory settings
Asr	On/Off　Automatic Speech Recognition
Version	Current system version with WIFI come with a QR code



Menu in photo mode

In the photo mode, short press the button to enter the camera menu, and use the up/down buttons to select the sub-menu to be set for setting.

Resolution	3M 2048*1536；5M 2592*1944； 8M 3264*2448 10M 3648*2736； 12M 4032*3024
Quality	Fine/Normal/Economy
Sharpness	Strong/Normal/Soft
White Balance	Auto/Daylight/Cloudy/Tungsten/Fluorescent
Color	Color/Black&White
ISO	Auto/100/200/400
Anti-Shaking	ON/OFF

Auto Power off	Off/1min/3min/5min Default: Off
Screen saver	Off/30sec/1min/3min/5min Default: Off
Frequency	50Hz/60Hz
Mirror Image	On/Off Default: Off
Boot sound	On/Off Default: On
Language	multilingual
Date/Time	Press OK key and Mode key to select time, date, date format and time format respectively for setting Press up/down keys to adjust date, time, date format, time format
Time Zone	±12
Speed Unit	KMH/MPH
Format	Whether to format the memory card
Default	Whether to restore factory settings
Version	Current system version

Tip: 1. When the GPS function is turned on, you can see the positioning icon and the current speed in the recording interface.

2. When the GPS function is turned on, the player <gpsplayer.exe> will be automatically generated in the Micro SD card, and install the player <gpsplayer.exe> on the computer. When connected to GPS, the dash cam will record real-time GPS coordinates in the video file. You can view your driving route and speed on the player while the video is playing on the player <gpsplayer.exe>on your computer.

◆How to connect to WIFI

1. Before search for “Roadcam” on App Store or Google Play Store ,download the APP.

Down oad on the App Store

ANDROID APP ON Google play

RoadCam

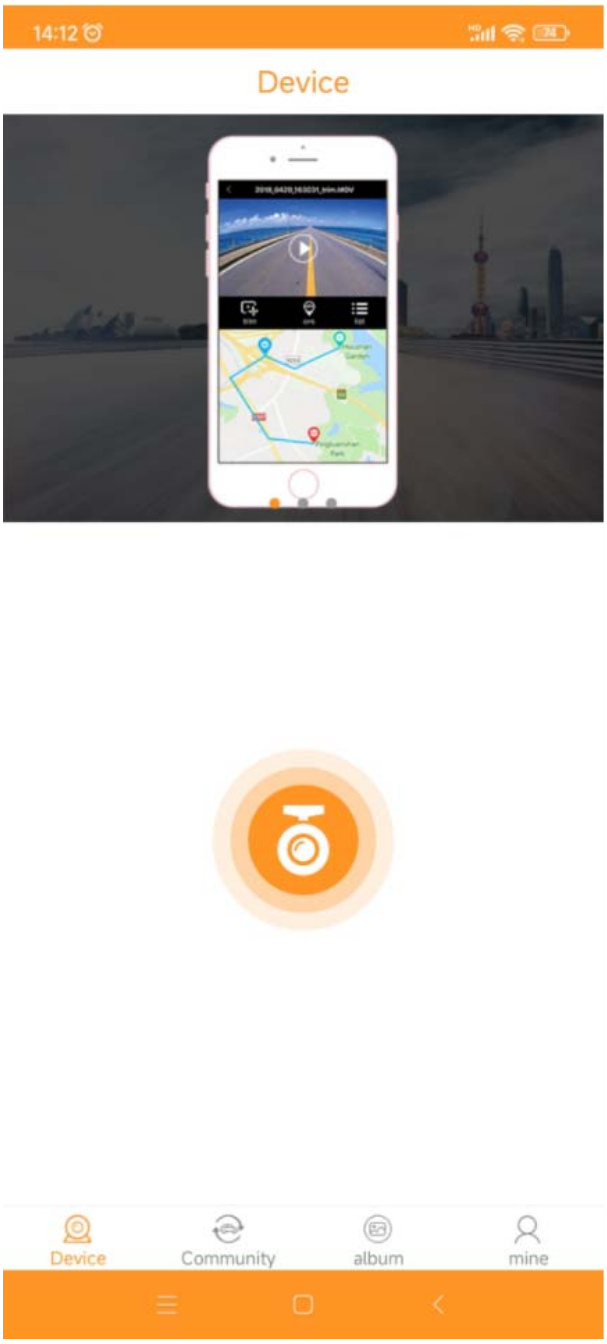
2. Turn on the dash cam, and the WiFi icon is displayed as shown in the left figure (All icons will be hidden after 5 seconds without

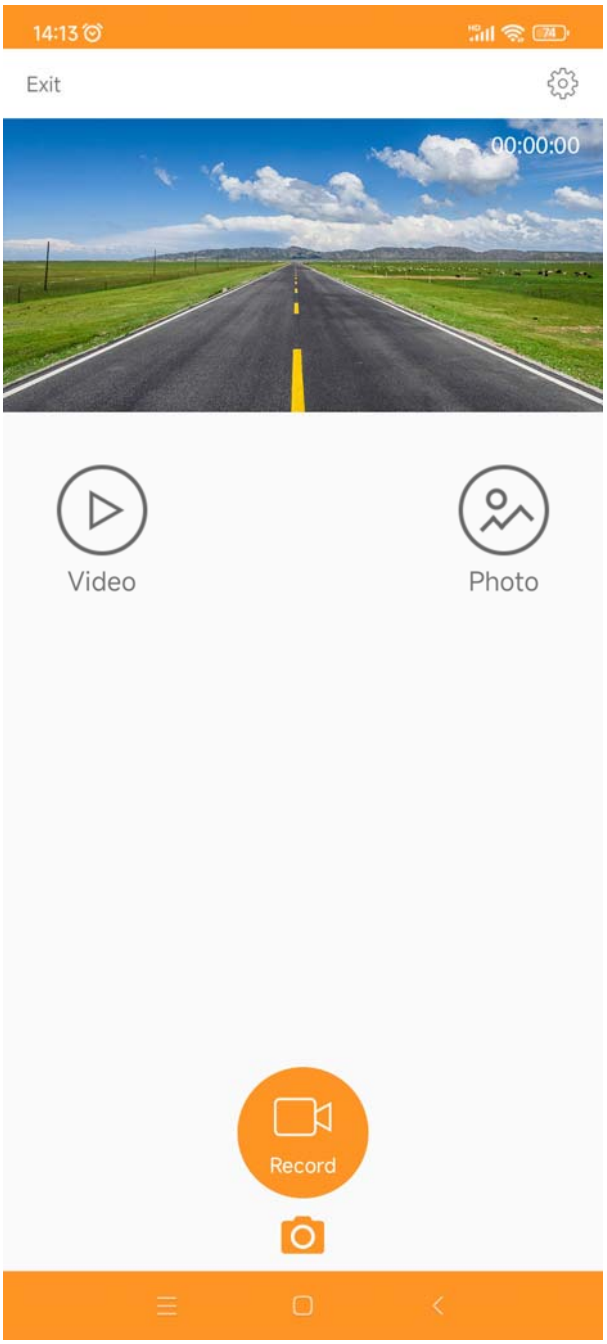
operation, you need to press any key to display the icons.);Long press the UP button to enter the WiFi mode, as shown in the right figure: The WiFi hotspot name is SBC_ xxxxxx,the password is 12345678.（**Tips：** After the mobile phone is connected to the dash cam through WIFI, you cannot make any settings on the dash cam. If you need to set it, you can use the APP.）

3. After the mobile phone is connected to the WiFi hotspot name, open app Roadcam, click the device icon in the middle to enter the image screen.

(1) At the beginning of default recording, you can click the Record icon to stop recording. You can also click the Photo button to take photos.(Note: When the mobile phone and the dash cam are synchronized via WIFI, the mobile phone stops recording, the dash cam will also stop recording, and the mobile phone and the dash cam will save the recorded video at the same time.)

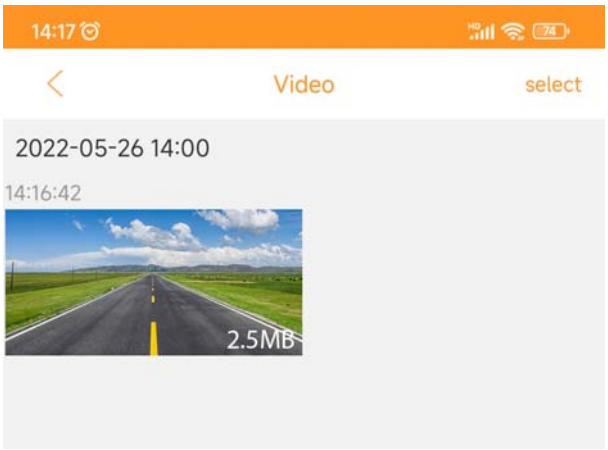
(2) Browse the video in the dash cam card: click the Video / Photo icon.

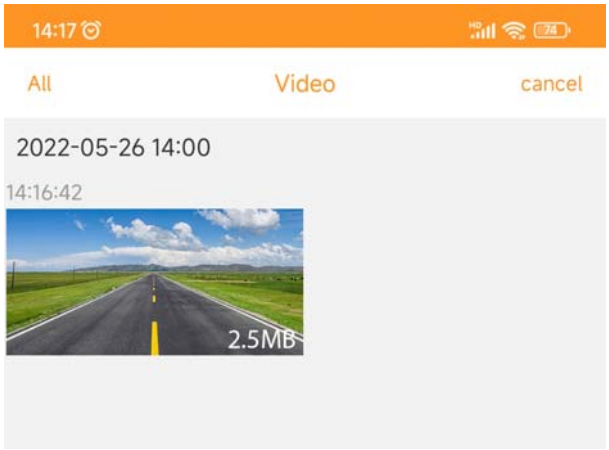


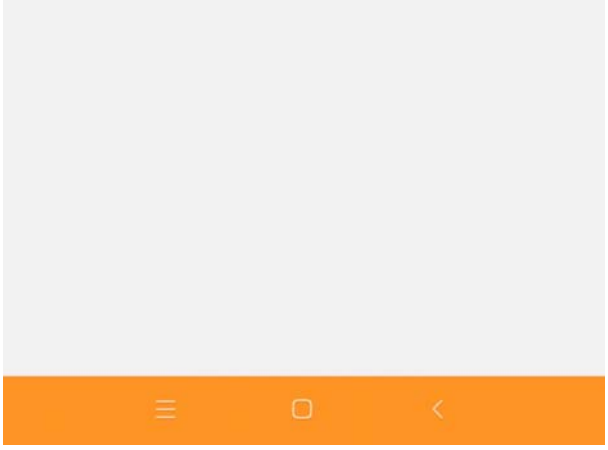


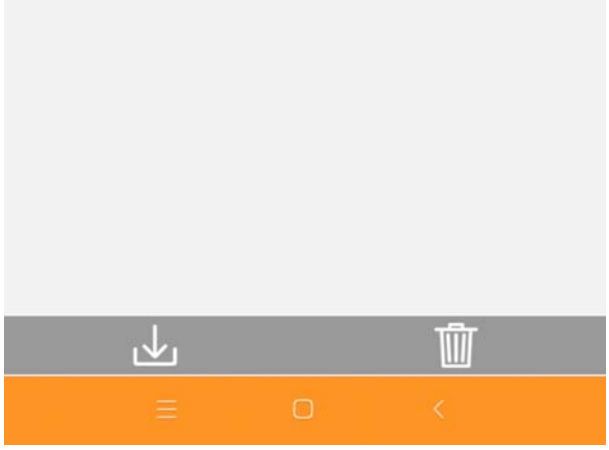
(3) Download the files in the dash cam card.

Click " Select " to select multiple files, download the files to the mobile phone, or delete the files in the memory card.(Note: Videos containing emergency wake-up recordings cannot be deleted on the mobile phone.)



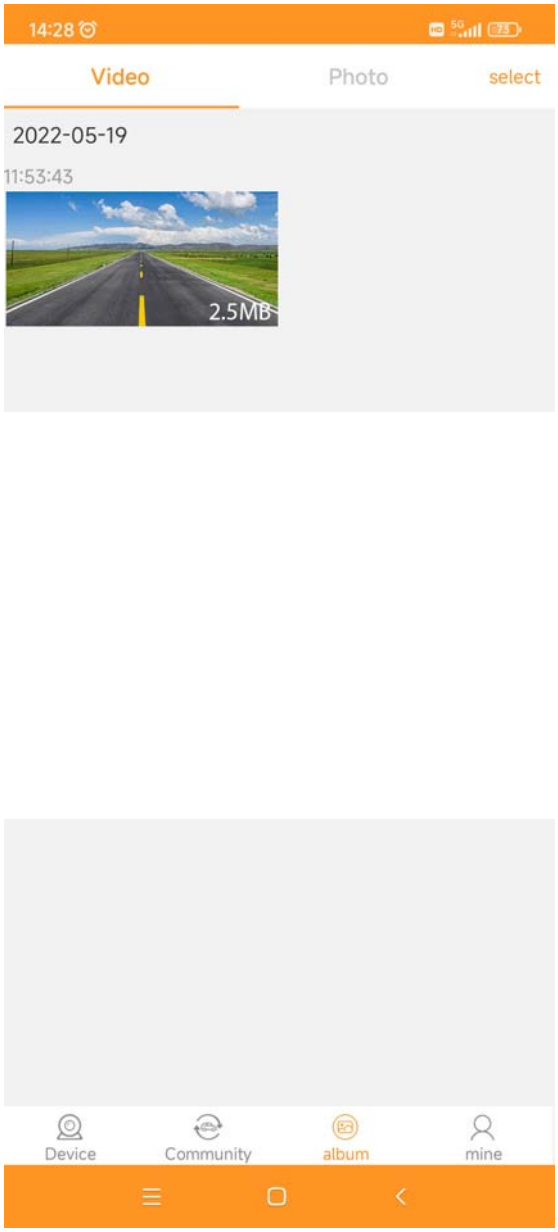


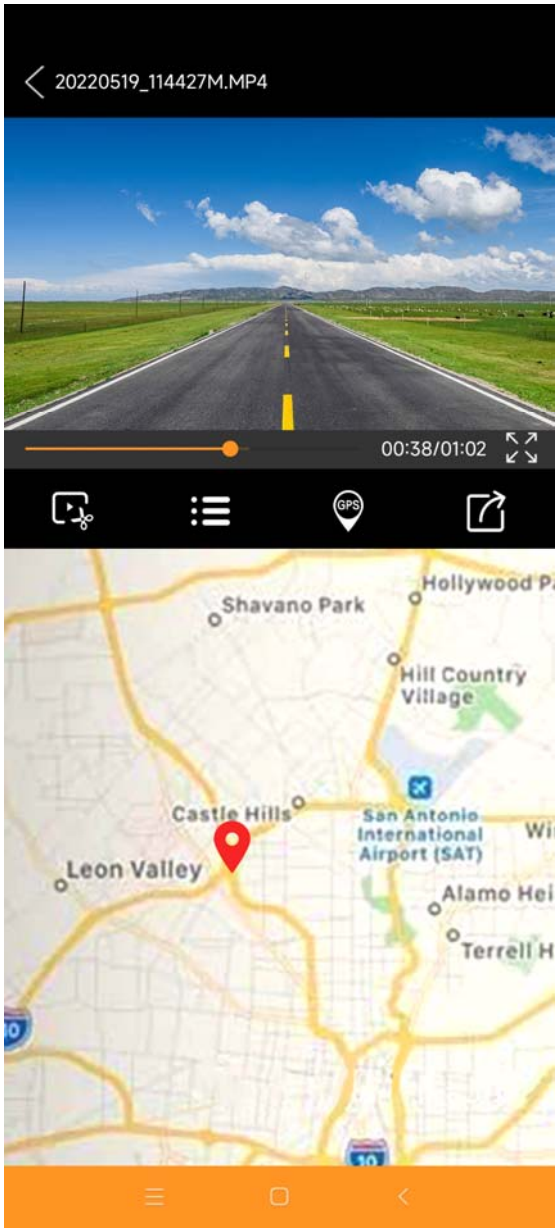




3. Track of browsing video files.

After the phone is connected to the dash cam via WIFI, the downloaded video will be saved to the phone memory first. The mobile phone is connected to the data network. Open App Roadcam, click the album and enter the file browsing screen. If the video file has GPS information, the video will be automatically loaded into the GPS track.

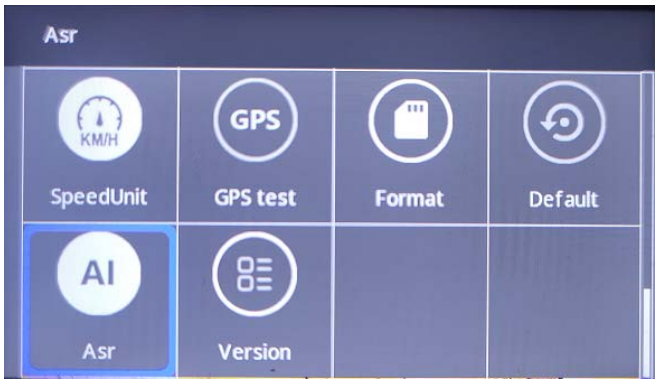


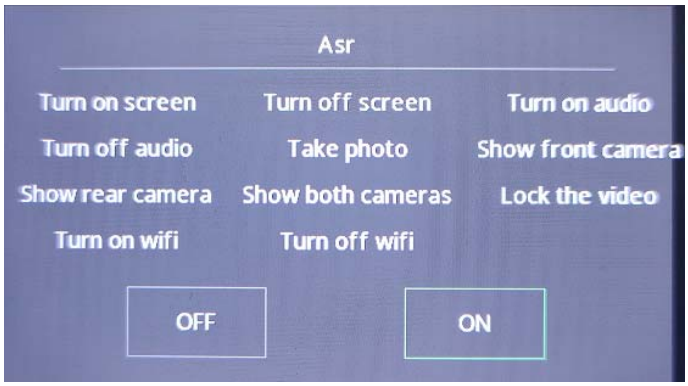


ASR - Automatic Speech Recognition

Only English instructions are supported.

1. Selectthe Asr option in the Menu,there are 11 instructions.
2. Click "on" to turn on the Asr, Click "off" to turn off the Asr.





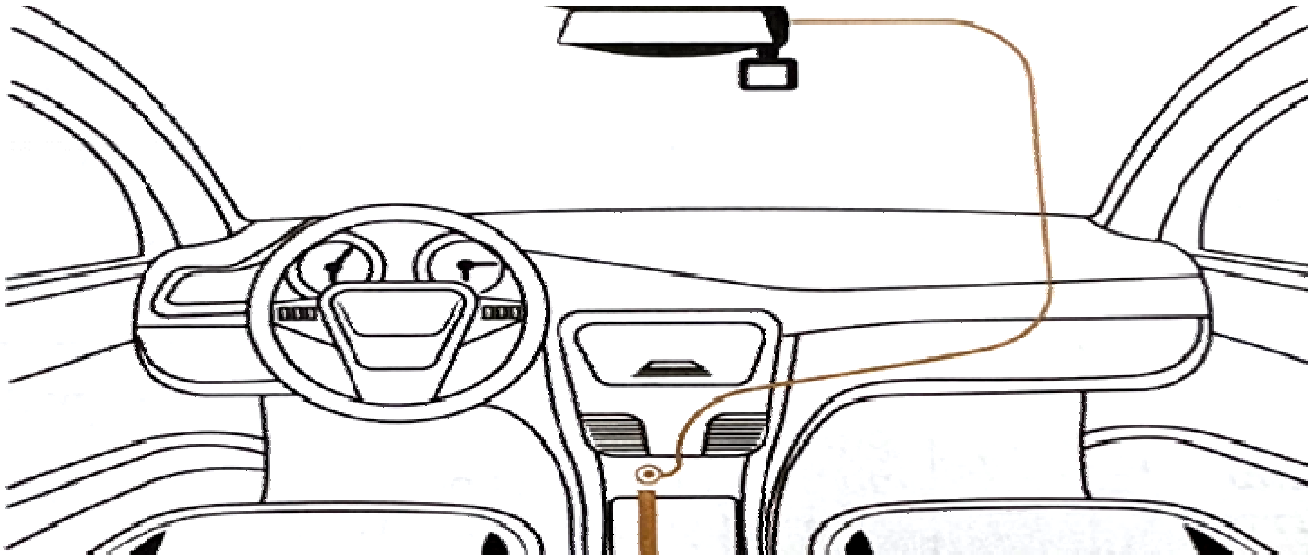
How to install the suction cup holder

Use the suction cup mount to install the dash cam on the windshield. The recommend place is near the rear view mirror facing front, adjust the angle of lens for the best coverage over the hood and the road ahead, so camera can record what happens.

1. Please wipe the dust or water stains on the windshield with a clean cloth before installing the suction cup.

2. After determining the position, press the suction cup on the windshield, and then slide the small handle on the suction cup to the left to lock it. In this way, the

suction cup will be tightly attached to the windshield. It can be easily removed by sliding to the right when removing.



How to connect to the cigarette lighter socket

1. Before installation, please check the the function work well,and be sure to use high speed Micro SD card (speed Class 10 or above), and format the card in the camera menu before recording.

Note：The Camera will auto power on/off with the car engine is on/off.

2. Connect the included power adapter between camera and cigarette lighter, and use the cable clips and crowbar tool provided to hide wire inside the the interior trim board for better appearance and avoid that small children fuss with the wires.

3. The cable of the rear camera needs to be connected to the dash cam (there are 2 pictures for reference). The rear camera should be installed above the license plate. For more durability, we recommend drilling two screw holes to install the camera.

Note: 1.It is recommended to install it under the guidance of professionals. Those who have experience in the installation of driving recorders can install it by themselves.
2. Please correct the position of the camera before installation, and check whether the wire of the rear camera is long enough before installation to avoid reinstallation due to insufficient length.

5. The excess red wire near the rear camera is used for reversing. Connect the red wire from the rear camera to the power positive wire of reversing light, the parking guide line of rear camera will show when the reverse gear engaged.

Note: No need to connect the red wire of rear camera with the reverse lights if you don't want rear guidance when put the car in reverse gear, and the dash cam will still record both front and rear.

Specification

Video codec performance	H.264/Resolution 3840*2160@30fps (4K)
Lens Aperture	F/1.8
Lens	170° Ultra HD Wide Angle
Display	3 inch IPS LCD
Rear camera	1080P AHD Rear camera
Power Interface	MINI USB 5V/2A；
Battery	Built-in polymer lithium battery (300mAh)
Operating temperature	14°F~122°F(-10°C~50°C)
storage temperature	-4°F~140°F(-20°C~60°C)
Reversing video	support
GPS	support
WDR	support
Starlight Color Night Vision	support
Parking Guard	support
WIFI	Support “Roadcam” APP
ASR - Automatic Speech Recognition	Supports 11 instructions
G-Sensor	Built-in 3-Axis Impact Accelerometer Gravitaonal Sensor to lock current video.

Memory card	High-speed micro SD card (Class 10,maximum support 128GB)
File format	Video file format is MP4, photo format is JPG

Common problems and solutions

Q: Even though set the screen saver, but the screen willrandomly come back on.

A: The power supply might not be stable, please change another car charger to try.

Q: Why dash cam drain car battery?

A: Please check whether the cigarette lighter is still on after you turn off car engine.

Q: Without external power supply, the camera only lasts alittle time or can't turn on.

A: The built-in lithium battery is very small for safety reason,
which is not designed to work alone. So please keep the camera connected to external power supply.

Q: The camera keeps starting and off?

A: That could be the parking monitor function being triggered when detecting a vibration after dash cam is powered off.

Q: The dash cam will automatically stop while recording.

A: 1.Check whether the Micro SD card is full. If yes, we are afraid there are many locked video which cannot be overwritten automatically by loop recording because of the high sensitivity of G-sensor.

2. Check whether you use SANDISK/Samsung/Kingston brand card, high-speed Class 10 or above, 32GB-128GB is optimal.It will cause many problem of product because of many fake cards in market.

3. Format the Micro SD card in the setup menu of camera or on computer.

4. Check whether the connection of car charger is loose. If the car charger works well but the problem exists, please take dash cam to your home, use USB cable to connect with your phone adapter, then plug it to socket, check whether dash cam will turn on.

Q: If the video played on the computer is somehow not fluent or jammed.

A: 1.Try to play the video with other video players, such asPotplayer or VLC player.

2.Make sure that the Micro SD card fits the requirement: Write Speed is over 10MB/S.

Q: There are stripes interference in the image.

A: There should be wrong light frequency According to the local main frequency, make the appropriate settings 50HZ or 60HZ.

Q: When connect the camera with PC by USB cable, it willshow "Mass Storage" and "Charge", I can not do any thing.

A: It is used for reading the files of micro SD card, you can directly view photos and playback videos on PC. If you need to operate camera, please connect it with cigarette lighter by car charger we provided.

Q: The rear camera does not show an image or the picture is intermittent.

A: Please reconnect the connector of the rear camera, and insert

the rear camera into the camera again.

Q: Suction Cup mount cannot attach on windshield well?

A: Removed the protective film of suction cup mount firstly and attach it to the windscreen which is cleaned. If it doesn't work, warming the suction cup or windscreen then try it again.

Q: The camera crashes or malfunctions after certainoperations or setting changes.

A: The unsuitable settings or operations might cause that the system crashes, please use a pin to press the RESET button to reset the camera.

NO:C303 20220601

FCC Warning Statement

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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, and (2) this device must accept any interference received, including interference that may cause undesired operation.

The device has been evaluated to meet general RF exposure requirement.