

4G Ultra 4K MINI DASHCAM

User Manual



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Dear User,

Hello! Thank you for choosing our product. It is our great honor to serve you, and your trust and support are the driving force behind our continuous improvement.

Before using the dash camera, please read this manual carefully. The manual combines text and illustrations to provide a clear and intuitive explanation of the product's operation.

Please note that, due to differences in production dates and batches, some features or descriptions in this manual may differ slightly from the actual product. In such cases, the physical product shall prevail.

Part 1: Construction Introduction

1. Size & interface



2. Button function

2.1 Power button

short press it to enter into the screen saver mode or wake up the screen.

2.2 reset hole

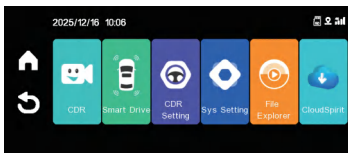
via this button, we can reset the dashcam.

3. Micro SD Card & SIM card insert direction



Part 2: Product UI Overview

when we power the dashcam on and its main UI as below:



CDR: is for the recording mode

smart drive: when we click this and we will enter into the adas bsd ui and we can set it there.

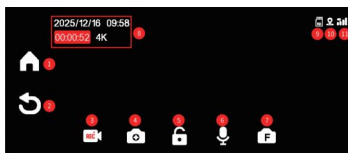
CDR setting: mean set the recording parameter

sys setting: mean set the language, volume etc

file explorer: playback the video files in the tf card.

cloudspirit: click it, will see the QR code for the app, we can scan it to bind with our phone

【CDR UI】



① home button, click it back to the main ui

② back up

③ recording icon

④ take photo button

⑤ lock the current video file

⑥ audio record click it to close or open

⑦ Front camera resolution: displays the video quality of the front camera.

⑧ show the date time, and recording time

⑨ the tf card status ⑩ gps status ⑪ 4g signal status

【Smart drive UI】



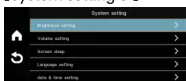
we can sent the BSD, ADAS function in this menu.

【CDR setting UI】



we can set the parameters related with the recording in this menu.

【System setting UI】



set the language and date time etc in this menu.

【file explorer UI】



we can playback the video files in the tf card when we open this function.

【Cloud spirit UI】



When the 4G signal icon appears on the screen, open the "Cloud Spirit" app and scan this QR code to bind your phone with the dash camera. After binding, you can configure the dash camera settings directly through the mobile app.

Part 3: Functions

1. Automatic Recording after power on

After inserting the TF card and SIM card into the dash camera, and powering it on, the recording will start automatically. Each video clip is 1 minute long, as set in the firmware. This duration cannot be changed through the app.

2. G-sensor

When an accident occurs, the dash camera will automatically lock the video recorded before and after the event. These locked video files cannot be overwritten by loop recording, even when the TF card is full.

You can adjust the G-sensor sensitivity in the settings menu of the mobile app "CloudSpirit".

3. Park monitor

When the vehicle ignition (ACC) is off, the dash camera can still monitor the car.

If an impact is detected, it will send an alert to the mobile app and capture a photo along with the notification.

4. Time-Lapse Recording

The time-lapse recording function captures video at a rate of one frame per second.

To configure this feature, go to Set Time-Lapse Recording Duration and choose between 12 hours, 24 hours, or turn it off.

Note: Time-lapse mode can only be used when the dash camera is powered via a Hardwire kits.

5. BSD function

When a moving object enters the blind spot detection area, the dash camera will send an alert to the mobile app and capture one or more photos.

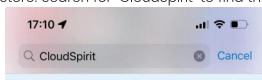
6. ADAS Function

The dash camera is equipped with a Lane Departure Warning (LDW) feature.

Part 4: How to use the phone app “CloudSpirit”?

1. App download

Method1: Download the app from the Google Play Store or App Store. Search for “CloudSpirit” to find the app, as shown below:



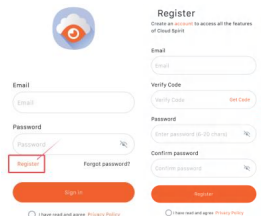
CloudSpirit
Photo & Video

Open

Method2: Download the app by scanning this QR code.



2.Account register



Register
Create an account to access all the features of Cloud Spirit

Email

Verify Code
 [Get Code](#)

Password
 [Get Code](#)

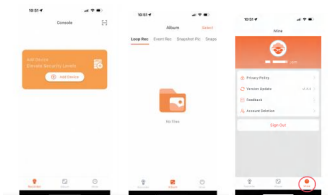
Confirm password
 [Get Code](#)

[Register](#) [Forgot password?](#)

☐ I have read and agree [Privacy Policy](#) ☐ I have read and agree [Privacy Policy](#)

If you do not have an account, you will need to register one first. You can use your email as the username, and please make sure to remember your password.

If you already have one account, and then log in, after log in we will get the interface as this :

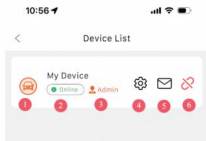


3.Bind with phone

After log in, we will see this interface, click it to scan the QR code on the screen of dash cam.



After bind the dash cam with your phone, it will be like this:



- ① Device icon: tap this icon to enter the main UI for live video monitoring.
- ② Network status: displays the current status of the dash camera online or offline.
- ③ Admin permission: the first user to bind with this dash camera becomes the administrator. Other users cannot bind without your permission.
- ④ Settings: tap this icon to configure dash camera parameters.

- ⑤ Alarm message list: tap this icon to view alarm notifications.
- ⑥ Unbind Phone: tap this icon to unbind your phone from the dash camera.

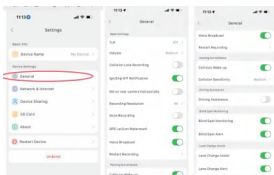
4. Live video check



- ① : after you plug in the rear cam, here will show the Front/Rear icon to switch the cams display.
- ② : display the memory card status after the TF card inserted.
- ③ : display the gps signal status.
- ④ : display 4G signal status after the dash cam inserted with sim card.
- ⑤ : Audio record or mute record.
- ⑥ Press icon, and become red color microphone , will support two way talk to the driver function.
- ⑦ : click will switch from horizontal and vertical screen display.
- ⑧ Capture pictures or video remotely from the dash camera.
- ⑨ Find my car this function will provide the car position and navigate to the car
- ⑩ Geofence: this function still under development, please ignore it.
- ⑪ Trajectory: could choose the date to playback the car gps log track.

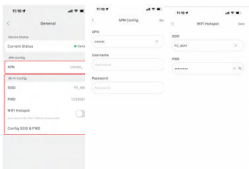
5. Parameter settings via the APP

To configure the dash camera parameters, tap the settings icon to access the menu shown below:
Click "General" to set all the parameter.



You can also configure network settings, including the SIM card APN, by tapping the Network option.

In addition, you can change the Wi-Fi hotspot name and other related settings.

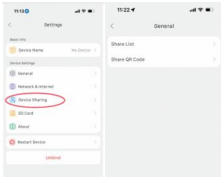


6. Share the binding QR code

If you are the first person to bind with the dash cam, other users will not be able to bind it unless they obtain your permission.

If you wish to share your device with other users for binding, you can click "Device Sharing" to share the QR code with them.

Additionally, within the share list, you can monitor which users are binding to your device and can unbind them from the list.



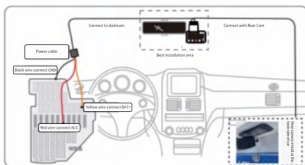
Part 5 : How to install the dash cam?

Installation Guide:

1. Turn off the car engine.
 2. Insert the TF card into the dash cam.
- Note: Please use a TF card rated Class 10 or above.
3. Mount the dash cam securely in a suitable position on the front windshield.
 4. Connect the yellow wire to the car's constant power fuse (BAT+), the red wire to ACC, and the black wire to ground.
 5. Connect the power cable to the Type-C port on the dash cam.
- Note: When routing the power cable, it can be neatly tucked along the edge of the windshield.
6. Install the rear camera above the license plate, ensuring it is properly aligned.
- The cable can be routed along the roof or side panels of the vehicle.
- After installation, connect the rear camera to the AV IN port on the dash cam.
7. Adjust the lens position to ensure it is level with the ground.
 8. Start the engine and check that the dash cam is operating properly.

Wiring Layout Guide:

As shown in the figure below, route the cables along the car's rubber sealing strip toward the location where the dash cam is to be installed.



Note: Open the car's fuse box and connect the wires as follows:

- Yellow wire: Connect to the car's constant +12V power supply (equivalent to the battery's positive terminal, BAT+)
- Red wire: Connect to the car's ignition power +12V (ACC-ON).
- Black wire: Connect to the vehicle's ground wire (negative terminal, GND).

Part 6: Product specification

DDR		1GB DDR3L
4G module		Quectel EC800K
Internal storage	ROM	128MB
	RAM	128MB
GPS position		Built in passive GPS+Beidou dual-mode antenna
Display screen		3.69inch ips screen, MIPI interface
Operation system		Linux
4G network support		FDD-LTE:B1/B3/B5/B8, TDD-LTE: B38/B39/B40/B41 WCDMA:B1/B5/B8
Front camera		4K/3840*2160@25fps, 140 degree view angle
Rear camera		1K/1920x1080@25fps, 130 degree view angle
Remote monitor		Supports remote live view, playback, TF card format, and remote reboot via the mobile app.
BSD (blind sport detect)		Support
ADAS function		Support
GPS trace play back		Support
WiFi		802.11b/g/n 2.4GHz, support WiFi hotspot (need to open after bind)
Video file check & download		Support remotely check video file in the TF card and download it.
G-sensor function		3 axis G-sensor, support loop record.
Parking monitor		Support
Video compression		H.264
Video format		TS
Time lapse record		Support 12 hour or 24 hours.
Software upgrade		Support the upgrade via TF card
External memory card		Support max 512GB card(Not included)
Micro phone		Built-in

Loudspeaker	Built-in
Button	2 button on the side of dash cam
Reset function	Support
Power input	DC12V (Type-C input). Supports a wide voltage range from 12V to 24V.
ACC	Support ACC detection
Working temperature	-20 °C ~ +70 °C
Storage temperature	-30 °C ~ +80 °C

Part 7: Troubleshooting

Under normal operating conditions, if any issues occur with the product, please refer to the following troubleshooting methods:

Note: If the product becomes unresponsive due to improper operation, disconnect the power plug and reconnect it to restore normal operation.

1. Unable to take photos or record videos

Check whether the TF card has sufficient storage space and is not write-protected.

If recording stops automatically, it may be due to insufficient write speed.

Please use a high-speed TF card (Class 10 or above) compatible with SDHC, marked with the C10 logo.

2. "File error" message appears during playback

This may be caused by a data storage error, resulting in incomplete files.

Please use the dash cam's Format function to reformat the TF card.

3. Image appears blurry or foggy.

Check if the lens is dirty or has fingerprints.

Wipe the lens gently with clean lens paper before use.

4. Image appears too dark when shooting bright scenes (e.g., sky or water)

High-contrast scenes may affect the dash cam's automatic exposure.

Adjust the camera angle to optimize brightness and exposure.

5. Horizontal stripes appear on the image

This issue is caused by an incorrect light source frequency setting.

Please set it to 50Hz or 60Hz according to your local power supply frequency.

6. Dash cam freezes

Disconnect the power supply and reconnect it to restore normal operation.