

4K UHD 2160P

Dash Camera

User Manual



1. Button introductions



■ Power button

- ◆ Press for 3 seconds to turn on or off, and press for more than 6 seconds to force turn off

■ OK button

- ◆ Short press to start or pause recording

■ UP/WIFI

- ◆ Setting interface: menu UP function
- ◆ Press UP button for 3 seconds to turn on or off WiFi. **WiFi is default off**
- ◆ Press UP can switch front and rear lens (Note: dual recording mode supports this function)

■ DOWN/Switch

- ◆ Setting interface: menu DOWN function
- ◆ Recording interface: Short press to close and open sound recording

■ MENU button

- ◆ When the recording is paused: short press MENU go to menu function
- ◆ Recording in the start state: short press MENU to lock the current file

■ Reset

- ◆ If the camera has abnormal recording or WiFi disconnection, you can restart the camera by pressing the reset button shortly

■ TF card slot

- ◆ please use 32-256GB (class 10 U3 or above) TF card

2. Installation guide

- (1) Turn off the car engine
- (2) Find a suitable position in the car that does not affect driving, then wipe the surrounding glass, install the bracket and hang the camera
- (3) Tear off the protective film on the lens, make sure the lens is clean, adjust the lens position, so that the lens and the ground remain at a level
- (4) Plug one end of the power cord into the power socket of the camera, and the other end into the power socket of the car
- (5) Start the engine and check if the camera has been installed correctly

3. Recording/ taking pictures instructions

■ Recording

Turn on the camera and enter recording mode, the upper left corner of the screen shows the video icon . Start recording, there will be a red dot flashing on the screen under recording status. At the same time in the recording, you can not operate the menu and switch the working mode, then short press OK to stop the recording

■ Taking pictures

In the stop recording state, short press MODE to switch to photo mode, the upper

left corner of the screen shows the photo icon . Short press OK to take a picture, short press MEMU to enter picture setting, short press MODE to switch to playback mode

■ Video/picture playback

- ◆ In photo mode, press MODE to switch to playback mode, with the playback icon  displayed in the upper left corner of the screen
- ◆ Short press on the UP to select the file upwards
- ◆ Short press on the DOWN to select the file downwards
- ◆ Short press the OK to play the selected video file
- ◆ Short press MENU to enter menu setting, where you can delete or unlock files

■ Setting

In the three (recording, photo, playback) mode pause state, short press MEMU to enter the menu, and then short press once again to switch to the settings menu



. By short press UP or DOWN, select different setting, select the setting that need to be changed, by short press OK to enter to change, then short press the MENU to exit the menu interface

4. Install APP & Connect wifi

■ Install APP

(1) Search "LuckyCam" in app store, or scan the follow QR to download the app

(IOS-QR-Code)



(Android-QR-Code)



(2) After install the app will prompt "if you want "LuckyCam" to access the photos of your phone", click "OK"

■ Connect wifi

(1) Enter MENU in the pause recording state, press MENU again to switch to Setup menu, select WiFi, select "On", (or long press UP for more than 3 seconds to open WIFI), and then the screen will display the WIFI name and password (No need to enter the password when connecting again)

(2) Enter the phone WLAN settings interface, find the camera WIFI such as: **NVT_CARDV*******, enter the password to connect, WIFI initial password is: **12345678**

(3) After the phone and recorder interconnection successfully, you can open the APP to view the real-time screen or recorded video and pictures. (Because this recorder is true 4K pixels, when real-time viewing, pixels will be compressed, to get true 4K HD video, please download the video and then watch)

(4) Click APP to enter the download interface, the recorder screen will jump to download transmission interface, back to the APP main interface through the phone, the recorder screen to resume the recording interface

(5) Long press UP more than 3 seconds to exit the WIFI, press OK and the recorder will come back to record

Mobile APP operation interface button function diagram (1)

Front and rear camera switch

(Note, band-limited rear lens)

Photo button

Video display time

Live video screen

Start / pause recording



Video resolution selection

Recording on / off button

Mobile APP operation interface button function diagram (2)

TF card recording

Video file list

Picture file list

Phone download file list

Recorder TF card file

Download icon



■ Video preview

When the APP is successfully connected to the recorder, the recorder in the state of stop recording, click the "folder" menu, click to play one of the videos (Note: direct preview will have video progress buffer)

■ Download

click"  ", to download the video to the phone

click"  ", to to see the pictures

Note: The video played back by the mobile phone is compressed. If you want to watch the original high-definition video, please download and play it on your mobile phone or insert the TF card into your computer to watch

5. GPS tracker & rear camera

■ GPS tracker

(1) The GPS module is a square accessory in the box and must be powered up to work. Connect the power cable to the socket on the GPS, and then connect the GPS to the power socket on the recorder, and then you can use it after plugging in.

(2) GPS connection success, there will have a GPS icon on the screen.

(3) GPS connection success, the stored video will marked with the corresponding coordinates (longitude and latitude), and the speed of the car

(4) When playback the video on the phone, it will play the GPS tracking information

(5) The GPS module with tape on this side must be attached to the front windshield so as to receive a stable signal. (Remember not to reverse the paste, otherwise it will disturb the GPS direction)



■ Rear camera

(1) Connect the rear camera, the screen will display the rear recording video in real time

(2) At the same time, the TF card will save the rear camera video with the file suffix "B"

(3) Rear camera should be installed near the license plate. Both the rear viewing and reverse guidance images are sharp and clear. To use the reversing function, please install the rear camera in position



6. Basic settings

(1) **Resolution:** The default video resolution is: **3840*2160+1920*1080 25P** The menu also contains 2560*1440+1920*1080 30P and FULL HD, select the corresponding resolution and click OK to switch the resolution. **(2160P is true 4K)**

(2) **Loop Recording:** default is 3 minutes, click "Loop Recording" menu, the video length can be set to 1 minute / 3 minutes / 5 minutes

(3) **WDR:** default is "On", which means it automatically captures more light and adjusts brightness to produce clear, color-accurate videos and pictures even in low-light conditions

(4) **G-sensor:** the default setting is "medium", which corresponds to the sensitivity of the vibration when the file is locked

(5) **EV Exposure:** default is +0.0, with various options available in the menu

(6) **Record Audio:** The default setting is "On". Turn on video recording, select "Off" to turn off recording

(7) **Date Stamp:** The default setting is "On", which shows the time and date of the recorded video

(8) **WiFi:** default setting "Off", choose "On" or long press UP button to open, connect via mobile app

(9) **Date/Time:** Select the menu to pop up the date and time, manually adjust the current time and date, or connect to the APP settings menu and select time settings, click "Auto Sync" to set the current date and time

(10) **Auto Power Off:** Default setting "Off", menu setting 1min /3min /5min

- ◆ Select "Off", that is, in the state of stopping recording, the camera will not automatically shut down

- ◆ Select "1 minute" that is, in the state of stop recording, the camera will automatically shut down in 1 minute

(11) **Rear Camera Mirror:** default setting "on", that is, whether to pull back into a mirror

(12) **default is "3 minutes"**, click to select menu (Off / 1 min / 3 min / 5 min)

- ◆ Select "Off", i.e. the display will be on for a long time

◆ Select "1 minute", that is, the display will enter the screen saver black mode after 1 minute

(13) **Beep Sound:** default is "On", that is, to open the key sound

(14) **Language:** default language "English", there are multiple languages in the setting menu

(15) **GPS:** Select "On" to display the GPS symbol icon on the screen, select "Off" to close the GPS symbol icon on the screen

(16) **Timezone:** default time zone is GMT +8:00, the menu can choose the global time zone

(17) **Speed Warning:** The default is 100km/h, you can choose to set between 70-140km/h in the menu, that is, after choosing 100km/h, if the vehicle driving speed is greater than this speed, the machine will sound a beep. (GPS must be linked before using this function)

(18) **Speed Unit:** default is KM/H, the menu contains KM/H, MPH optional

(19) **Frequency:** default for 50Hz, the menu contains 50Hz, 60Hz optional

(20) **Format:** formatting select "Confirm" that is to delete all data on the TF card

(21) **Default Setting:** Select "Confirm" that is to restore the factory settings

(22) **Motion detection:** default setting "off", can be set in the APP, such as select "on" that is, in the recorder stop state, sensing the object in front of the movement, the recorder automatically record 10 seconds and then stop. Recorder automatically record 10 seconds after stopping

7. Parameters

CPU	NOVATEK NT96670
Imagine sensor	SONY STARVIS CMOS
Display	3.0inch IPS
Pixels	800M (3840*2160+1920*1080)
HUD	Real 4K
Video format	MP4
Speaker	support
Voltage	DC 5V
Memory	TF card, U3 class10 or above, max support 256GB
Operation temperature(°C)	(-20°C-70°C)
language	multi-language
Automatic logging of power on	support
Loop recording	support
WDR	support
GPS	support
Delay shutdown	support
Parking monitor	Support, need connect the hardwire kit
G-sensor	support
Lock	support
Recording	support
Video Code	H.264/H.265

8. Common Problems and Solutions

Problem	Causes and Solutions
Unable to start	Make sure the vehicle is in ACC "ON" or ignition
Crash	Press the reset button to restart
Unable to record, send "beep beep beep" alarm	No TF card, TF card failure, or TF card can not be recognized, you can replace the TF card or format the TF card
Unable to connect	Mobile devices such as cell phones need to be close to the recorder, select the SSID in the settings, and enter the correct password
No live preview	Make sure the connection is normal, reopen the APP after exiting
Image lag	The cell phone APP appears abnormal or program error, re-download and install APP and reduce the software running on the phone
Settings save error	Check if the connection is OK

Note: TF card formatting

As TF card is in working condition, long-term use of TF card will produce fragments or damage, please check and format TF card regularly (**Suggestion: check and format TF card regularly every month**)

9. Important Notes

- (1) Please pay attention to set the time zone when you use it for the first time
- (2) it is recommended to use the original SD card, Samsung and other class 10 or U3 or above TF card to avoid incompatibility problems. (Support 32--

256GB class 10 U3 or above TF card)

(3) because the recorder for true 4K pixels, when playing the recorded video on the computer or TV, please download the 4K special player, it is recommended to download PotPlayer and VLC media player. (If you use a player that does not support 4K video playback, it will cause the video screen lag.)

(4) Please use original accessories provided by us, just in case of compatible issues after using other's, especially use 2 or 3 in 1 cigar socket will lead to 100% insufficient current supply

(5) Because this product is super capacitor powered, not battery powered, so if you need to use the parking monitoring function must be connected to the buck cable (not included) to the car distribution module, because the installation of the buck cable line is very complex, it is recommended to go to the local auto repair center for installation, the buck cable must be purchased separately. (Battery power supply is easy to age, not resistant to high temperature and cold, and prone to explosion, so super capacitor is more advantageous and safer than battery power supply method.)

(6) WIFI connection distance available for 15 feet, more than this distance will automatically disconnect

(7) in the use of the recorder encounter problems or difficulties, please contact us first after-sales customer service: topbulls@163.com, we will solve for you as soon as possible

10. Disclaimer

Car recorder is an instrument that records the process of driving through video, pictures and sound. Accidents occur only as an auxiliary reference

Special note: the car recorder must be in the normal recording state, in order

to record the file. But in the following cases will lead to image damage or loss

- ◆ In the video recording, pull out the TF card, will lead to the last video file damage or lost
- ◆ In the video recording, abnormal power failure will lead to the last video file damage or loss
- ◆ Recorder in the recording process suffered a destructive collision will lead to video damage or loss
- ◆ The recorder suffered a violent collision during the recording process, resulting in a loose memory card, which will damage the file or cause the file to be lost

FCC WARNING

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.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: 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.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum 20cm distance between the radiator and your body: Use only the supplied antenna.