VANTRUE

Nexus 4S N4 S

USER MANUAL V1.4



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Warm Tips:

1. Please read the manual carefully before use.
2. The dash cam must remain connected to a power source for operation.
3. For safe driving, please do not set up products or use your phone to watch driving videos while driving.
4. This product requires an micro SD card to be inserted in order to record video.
5. Please do not disassemble the camera shell or repair it by yourself. If the product malfunctions, please contact VANTRUE official.
6. Please do not install the dash camera in a position that may block your driving vision.
7. Avoid exposing the product to high temperatures or humidity.
8. In order to continuously improve our customers' experience with our products, we will update the firmware from time to time. If you need, you can update the firmware.
9. Do not install the camera directly in front of the occupants to prevent accidental dislodgement causing a safety hazard.
10. Please note that you may not be able to connect to the Vantrue APP when using wireless CarPlay or Android Auto.
11. Please use this product as permitted by law.

1. Quick Start Guide

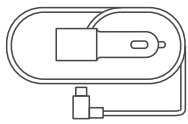
1.1 What's in the Box?



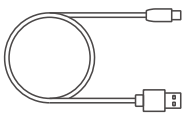
A. Vantrue N4S Dash Cam



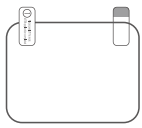
B. GPS Adhesive Mount



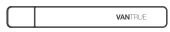
C. Car Charger (11.5ft)



D. USB Data Cable (only for data transmission, 3.3ft)



E. Electrostatic Stickers (2pcs）



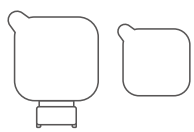
F. Crowbar



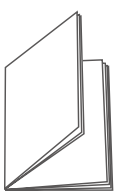
G. Dust-free cloth



H. Warning Sticker (2pcs)



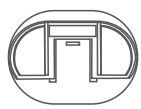
I. Spare Adhesive Stickers



J. Quick User Guide

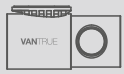


K. Cable Clips



L. Spare Bracket Base

Optional Accessories (Buy Separately)



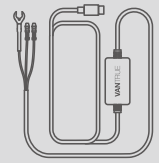
M. RC18 Rear Camera (non-waterproof)



N. RC09 Rear Camera (waterproof)



O. Rear Camera Cable



P. Hardwire Kit



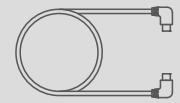
Q. CPL Polarizer



R. Remote Control



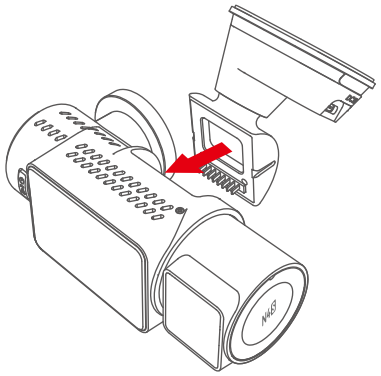
S. LTE Module

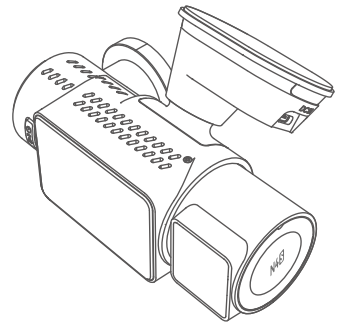


T. LTE Data Cable

1.2 Assembling the Device

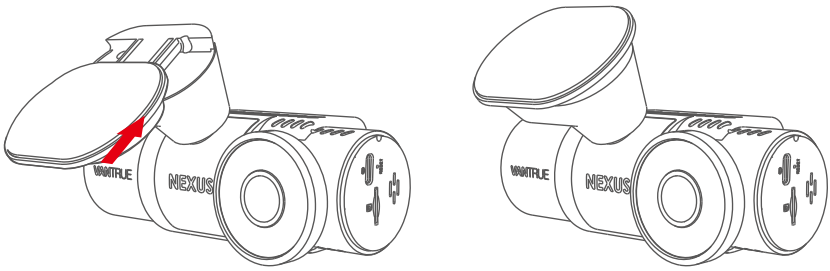
(1) Align the adhesive mount with the mount connector of the N4S main unit and fit it into place.



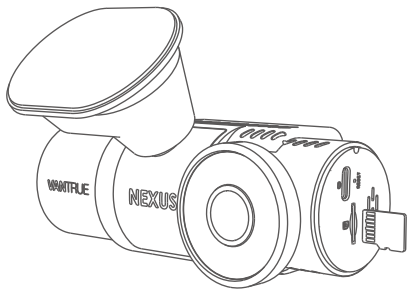


Note: Please keep the interface horizontally aligned when installing, a crisp 'click' sound indicates that the installation is in place. The adhesive surface needs to be removed from the protective film before installation to ensure a perfect fit with the mounting surface.

(2) The N4S dashcam mount has a detachable structure, so users don't need to remove the entire mount. The mount can be removed easily by detaching it from the mount base.



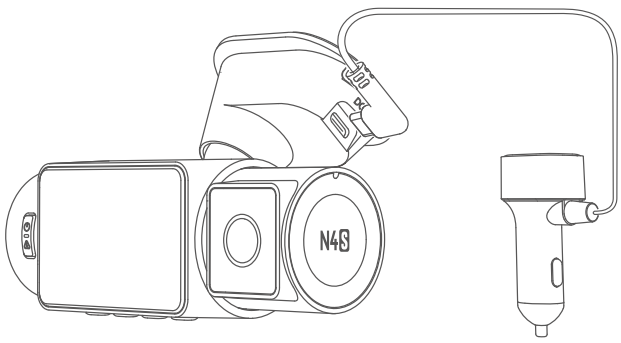
(3) Insert the memory card, and format it first after turning on the dash cam.



1.3 Installation and Setup

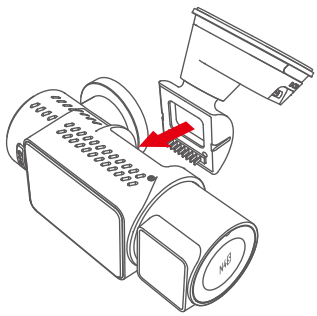
After assembly, power on the dashcam and configure the desired settings before mounting it on the vehicle's windshield.

(1) **Power On:** After connecting the main unit and the rear camera, please use the car charger to power it on and check if it works normally.

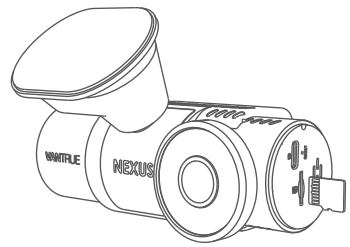


(2) **Confirm Settings:** When using the dash cam for the first time, you need to reset some basic settings such as date and time, language and region. Follow the on-screen prompts. After completing the settings, please confirm that the dash cam is working properly, then proceed with installation.

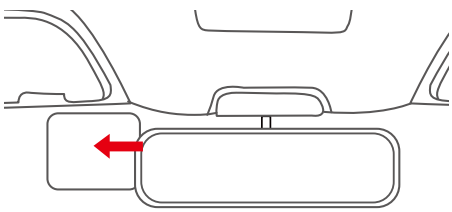
(3) **Proper Installation:** Make sure that the dash cam has been properly installed on the windshield of the vehicle and the camera is oriented to the road.



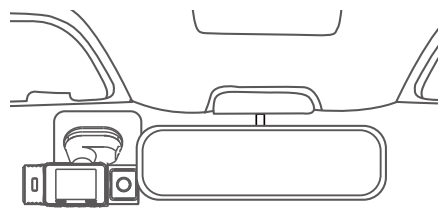
① Assemble the bracket



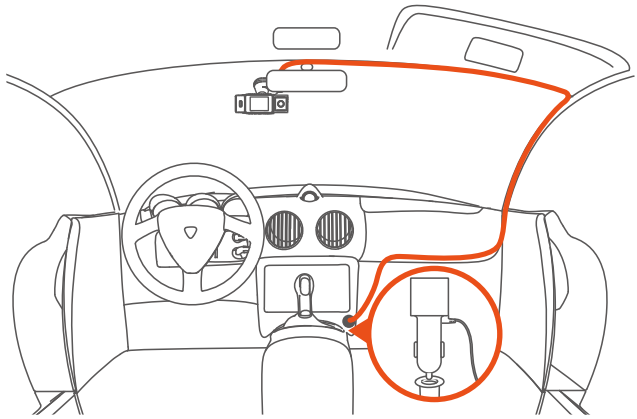
② Install the memory card



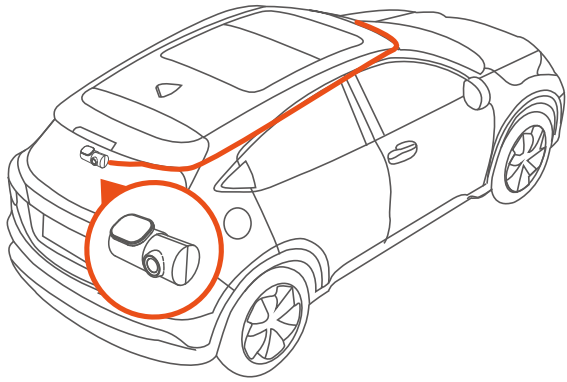
③ Install the electrostatic sticker



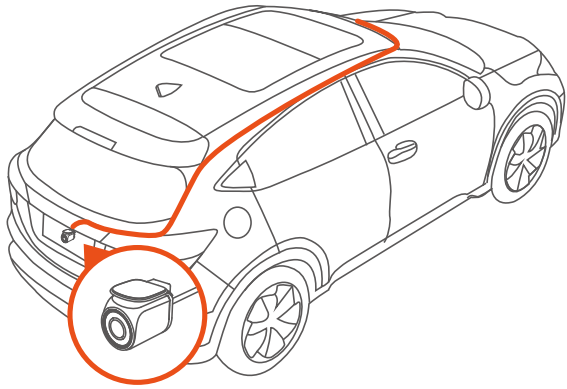
④ Install the dash cam



⑤ Installing the car charger adapter and wiring

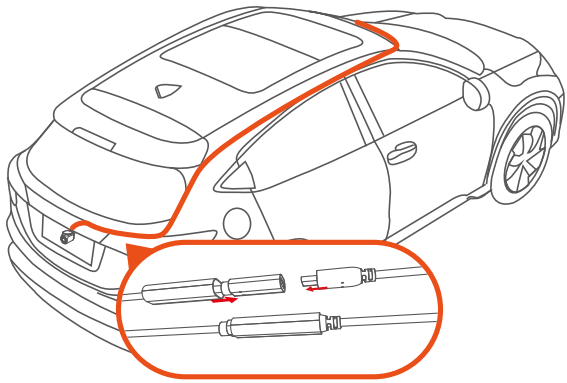


⑥ Installing RC18 the rear camera and wiring (Optional)



⑦ Installing RC09 the rear camera and wiring (Optional)

Note: When installing the optional RC09 rear camera externally, a heat shrink tubing must be slipped over the connection between the rear camera and the cable interface, and then heated to fit tightly around the joint to ensure sealing and achieve a waterproof effect.



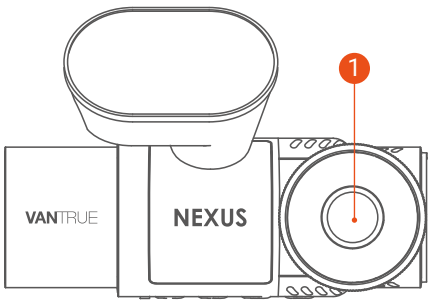
(4) **Start Recording:** After installation is completed, the dash cam will automatically begin recording video when the car starts. You can set the recording mode such as loop recording or emergency recording as needed.

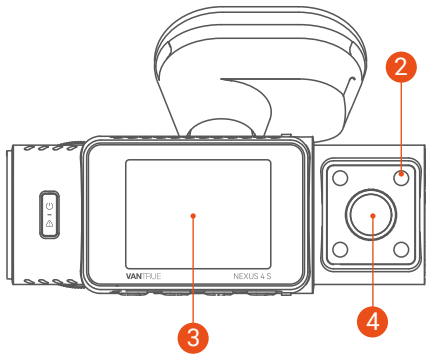
(5) **Power Off:** When not in use, you can disconnect the power cable or long press the power button to turn off the dash cam.

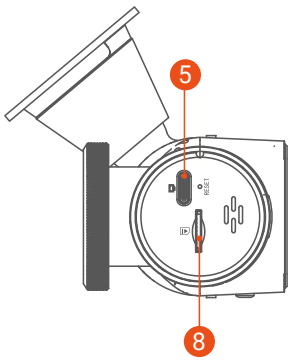
2. Basic Operation

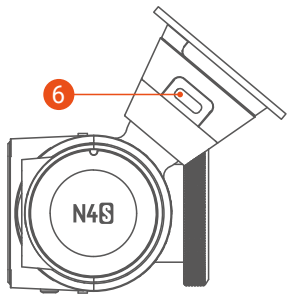
The instruction mainly introduces the screen icon, button description, function introduction and operation guide of N4S dashcam , which can help users understand the usage of N4S dashcam quickly.

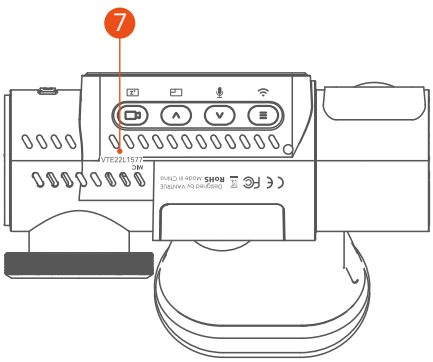
2.1 Camera Overview

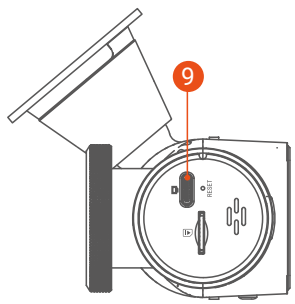






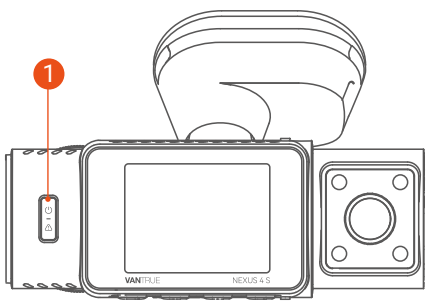


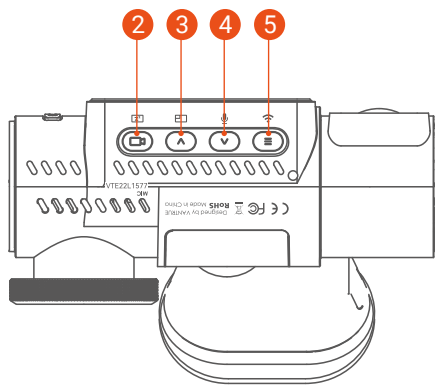


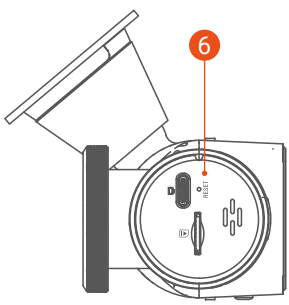


1. Front Camera
2. Infrared Lights for Cabin Camera
3. 2" IPS Screen
4. Cabin Camera
5. TYPE-C Port for Transferring Data
6. TYPE-C Port for Charging
7. Serial Number
8. Memory Card Slot
9. Rear Camera Port

2.2 Button Description



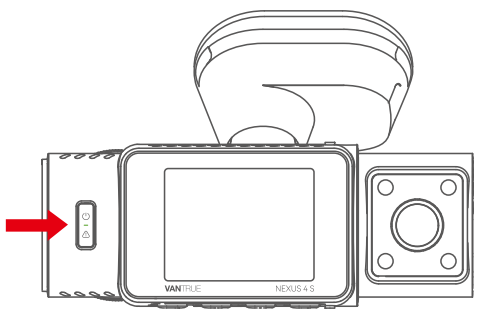




	Buttons	Instruction
1	 SOS /Power Button	• In the power-on state, long press to turn off the camera; in the power-off state, short press to turn on the camera. • In the recording interface and WiFi interface, short press to start emergency recording and snapshot. • In file browsing, short press to pop up the menu for deleting files.
2	 Record Button	• In the recording interface, short press to start or pause recording, and enter standby mode; long press to turn off the screen. • In the menu settings, short press to confirm an option. • In the playback video, short press to play the video or pause the video.
3	 Up Button	• During video recording, short press to switch the video window. • In the menu setting and file browsing screen, short press to select the previous option or file, and long press to scroll through the above options or files. • When playing back a file, short press to multiply the speed of the video.

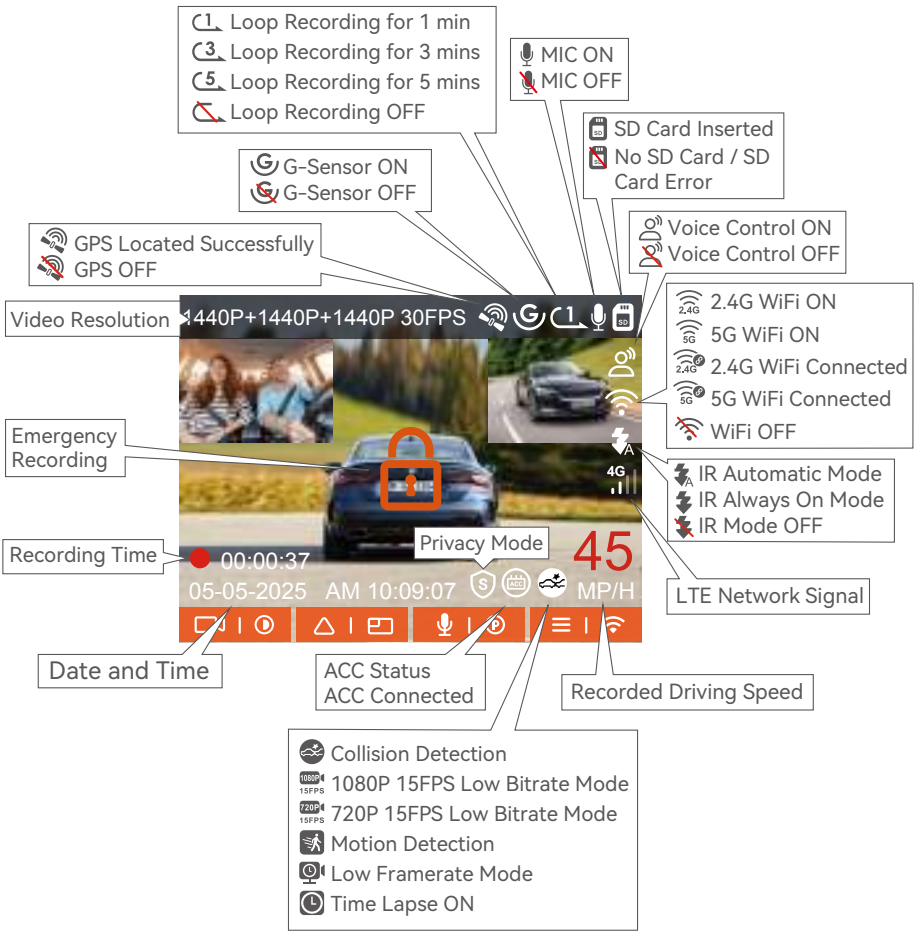
4	Down Button	• In the recording interface, long press to quickly enter the parking mode; short press to turn on/off the microphone. • In the menu settings and file browsing interface, short press to select the next option or file, and long press to scroll down to display the option or file.
5	Menu Button	• In standby mode, short press to enter the menu. • In power-on mode, long press to switch WiFi on or off. • In menu setting and file browsing interface, short press to return to the previous interface.
6	RESET	Short press to restart the camera.

2.3 LED Indicator Description



LED Status	Description
Power light	Green light steady: Standby mode.
	Green light flashing: Recording mode

2.4 Screen Overview



2.5 Operation Guide

The operation guide is mainly divided into two parts. The upper part focuses on the APP operation guide, while the lower part focuses on the dash cam operation guide. These sections are interrelated, please read thoroughly before operation.

(1) APP Operation Guide

The N4S dashcam connects to the phone via WiFi to realize the functions of real-time preview, changing the dash cam settings, downloading files, playing back videos on the phone, etc. Users need to install the Vanture APP on phone and use these functions via the APP.

(2) APP Download

Please scan the QR code below using your phone to download and install the Vantrue APP, and follow the prompts to complete the installation.

Download on the App Store

ANDROID APP ON Google play

(3) Add Device

WiFi function will be automatically turned on when you turn on the N4S dash cam. When there is no connection, WiFi function will be turned off after 10 minutes by default. After WiFi function is turned off, you can turn it on again through shortcut keys, voice control or menu.

Connection Method: After WiFi function is turned on, click "Add Device" on Vantrue APP, select "Nexus" series, choose N4S model, confirm the corresponding WiFi name, and then click “Join” to connect.


Connect
Add Device


Select device


Nearby devices

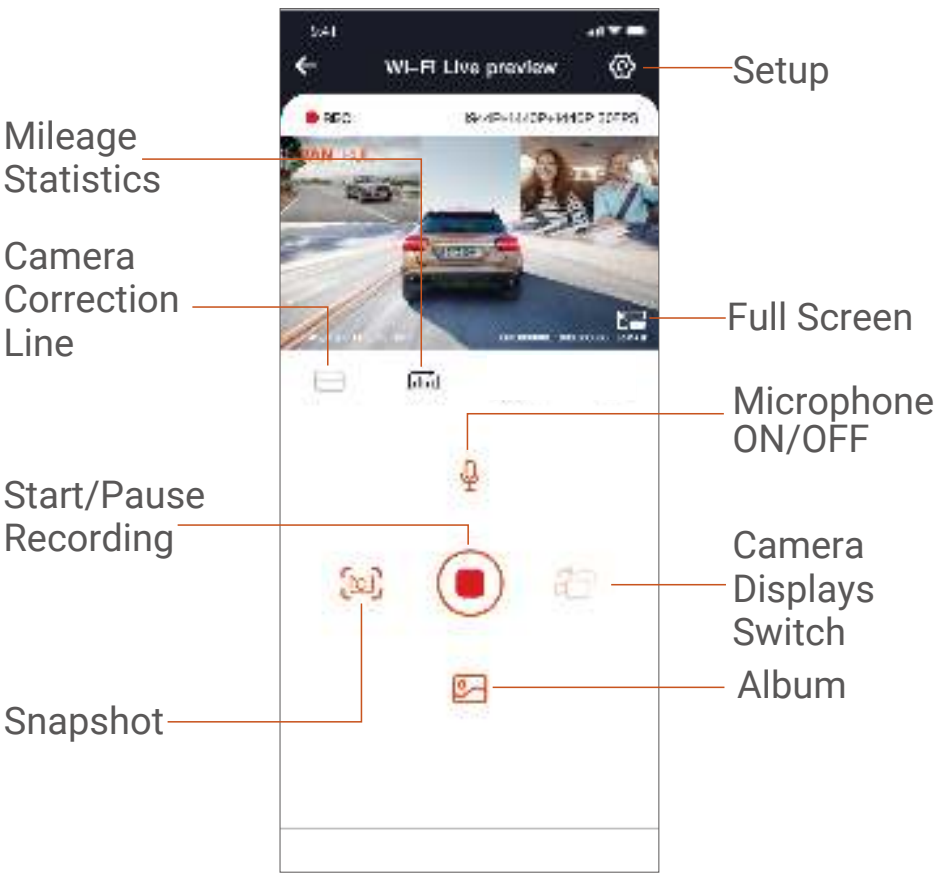
Note:

① Please check whether the WiFi function of your phone is turned on first.

② The initial password of this device is for initial login only. In order to eliminate security risks, please make sure to change the initial password in time after the initial login to prevent others from unauthorised access to the user's device or other undesirable consequences. Users need to change the WiFi password through the dash cam settings in the Vanture APP.

③ If you forget your password, navigate to "System Setup" and select "Restore Default Settings" . After restoring the default settings, the WiFi password is the initial password (12345678).

(4) APP Connection



After entering the real-time preview interface of APP, you can do the following operations.

① **Video Preview:** After the APP is connected successfully, it will enter the real-time preview interface, click the full screen button or horizontal playback, the real-time screen automatically switches to full screen preview mode. Click the window switch button to switch the front, and rear video windows, this function is only for multi-channel dash cam.

② **Playback Video:** You can view the recorded video or photo files in the micro SD card on APP, click "File" and then select the video to play back.

③ **Video Download:** You can choose to download videos or pictures in the micro SD card browse file interface or in the video playback. After downloading the video, you can playback it in the APP local file and view the GPS track of the video.

④ **Snapshot:** In the live preview interface, you can capture the current picture.

⑤ **Mileage Statistics:** Users can click to download the mileage information as needed. The mileage information will be saved in the APP as a picture or PDF file.

⑥ **Camera Correction Line:** The lens balance is corrected by the accurate cross line, so that the recording image will not be skewed.

(5) APP Upgrade

Open "Vantrue" APP, click "Me > About > Check Updates", then the APP will automatically detect if the current APP version is the latest version. If there is a new version of the APP, please operate as per the prompts and upgrade the version.

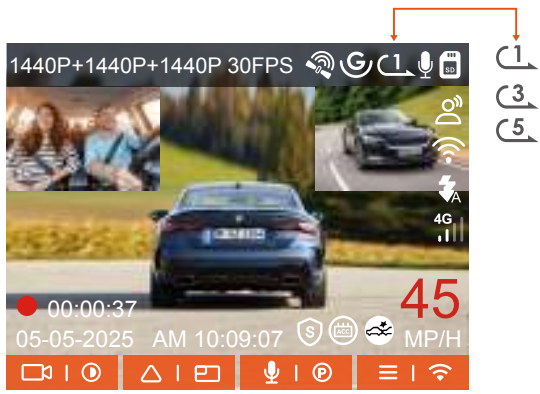


(6) Dash Cam Operation Guide

The important functions of N4S are introduced to facilitate users to grasp the usage of N4S functions more quickly.

A. Loop Recording

After inserting the memory card and connecting the power, the N4S will **automatically turn on and enter loop recording**. The duration of each recorded video will be saved based on the **loop recording time** you set, and the video file will be saved in the Normal Video folder. When the capacity of the Normal Video folder reaches 70% of the total capacity, the new loop recording file will automatically overwrite the original loop recording files. After this function is enabled, the video file will automatically overwrite the loop to ensure continuous recording.



Note:

① The normal operation of the loop recording function depends on the speed of the memory card, so please format the memory card regularly to avoid problems such as excessive memory card files and card aging that affect the normal loop recording.

② Please check the loop recording video regularly to avoid the necessary videos being overwritten by loop.

③ After loop recording is turned off, the lock video function will no longer work.

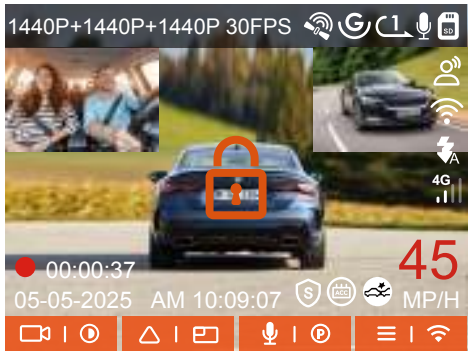
④ When the loop recording setting is turned off, the length of each recording is 20 minutes. When the memory card is full, the camera will stop recording and prompt “SD card is full!”.

B. Emergency Recording

When driving, the video can be locked manually by the user or automatically locked by the N4S dash cam if special circumstances occur.

- **Manual Lock:** Press the emergency recording button to lock the current video and snapshot. During the recording period, the user can press the button several times to snapshot.
- **Automatic Lock:** The dash cam will automatically trigger emergency lock when it detects an emergency.

After the recording is completed, the video will be stored in the emergency video folder and the photos will be stored in the photo folder to ensure that important videos will not be overwritten by loop recording.



Note:

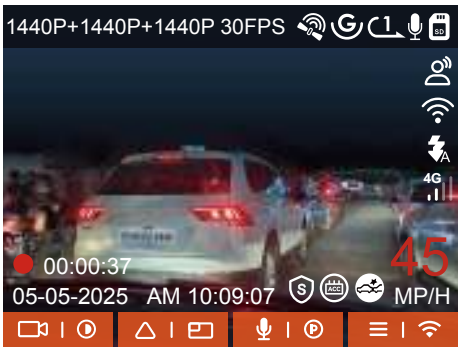
① The sensitivity of the automatic locking video trigger is determined by the sensitivity of the collision. The higher the sensitivity setting, the greater the probability of being triggered.

② When the total capacity of the event video files is 30% of the total capacity of the current memory card, the new event video files will automatically overwrite the old event video files.
We recommend checking and saving event video files regularly to avoid losing them.

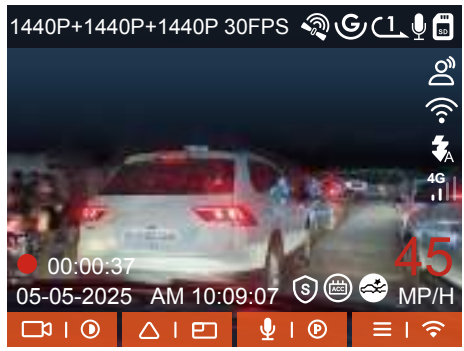
③ Lock recording will not trigger in either of the following situations: loop recording is off or time lapse recording is on. When loop recording is turned off/time-lapse recording is turned on, you can only snapshot under these situations.

C. Picture Quality Function and PlatePix™ Timer

The default picture quality mode is standard, users can turn on the PlatePix™ Mode as needed and set the automatic on/off time with the PlatePix™ timer. This function prioritizes the enhancement of license plate clarity, avoiding the blurring of license plate due to lighting problems, which may affect the evidence of accidents.



Turn on PlatePix™ Mode



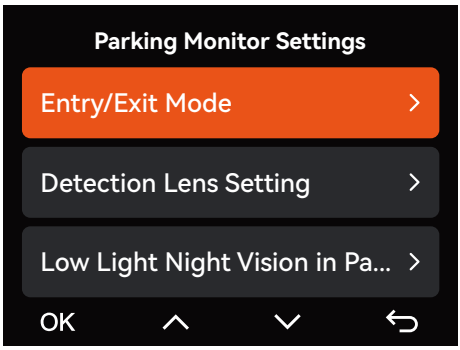
Turn off PlatePix™ Mode

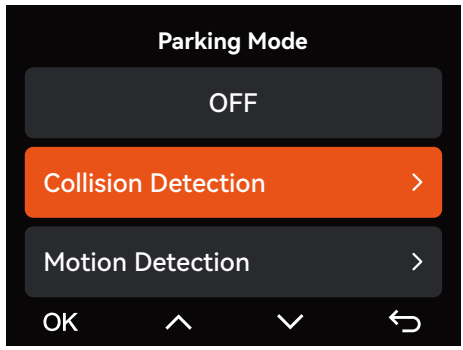
(Road test comparisons demonstrate enhanced license plate clarity when PlatePix™ Mode is activated.)

Note:
PlatePix™ Mode will enhance the brightness in front of the vehicle, but the overall picture may be dark. In low-light environments, it is recommended turning off this feature to avoid affecting the recording results.

D. Parking Mode Settings

When parking, users can set up a variety of parking monitoring settings according to the vehicle itself, the parking environment, their own needs and other factors.





When using the Parking Mode function, please **note the following:**

① To ensure that the parking mode of dash cam works properly, please use the Vantrue hardwire kit or other stable and continuous power supply to power the dash cam.
② We recommend using Vantrue ACC hardwire kit. The ACC hardwire kit from other brands may not work well due to the different location of the ACC detection PINs.
③ Under the hot and sunny environment in summer, we recommend users to use the collision detection mode. When the ambient temperature in the car is up to 60℃, we recommend users to turn off the dash cam so that the high temperature will not make the dash cam work abnormally.

④ Only one of time lapse recording and parking mode (including collision detection, motion detection, low bit rate mode, and low frame rate mode) can be turned on. Enabling one will automatically disable the other.
⑤ All the files recorded in parking mode will be saved in the parking video folder. In order to avoid the parking mode files from being overwritten by loop recording, please check them regularly in case of being lost.
⑥ The parking monitoring mode and the parking monitoring setting function are related, according to different parking monitoring modes, different parking monitoring settings can be matched.
⑦ Parking mode function will be improved with the dash cam function, please pay attention to the Vanture official website firmware description of the public announcement, or consult with customer service.

E. Parking Mode Introduction

In order to meet different user needs, we have enriched the working modes of parking and improved the working logic therein.

Parking Mode Activation/Deactivation Methods:

1. Auto Mode (Default)

Without ACC (G-Sensor Mode): Enters automatically after 5 minutes of vehicle inactivity; exits automatically upon secondary collision detected by G-Sensor.

With ACC connected: Enters automatically when the vehicle is turned off (ACC OFF); exits automatically when the vehicle is started (ACC ON).

2. ACC Mode

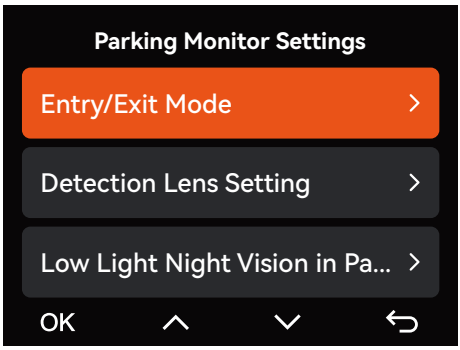
Enters automatically when the vehicle is turned off (ACC OFF); exits automatically when the vehicle is started (ACC ON). Requires proper wiring via an ACC hardwire kit cable.

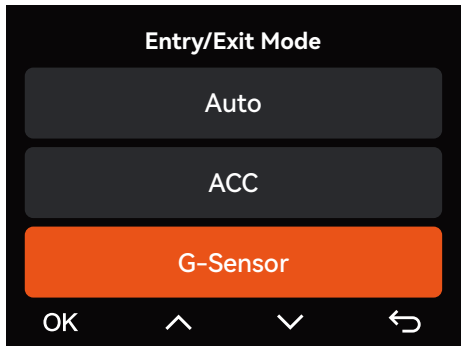
3. G-Sensor Mode

Enters automatically after 5 minutes of vehicle inactivity; exits automatically when the G-Sensor detects a secondary collision.

4. Manual Mode

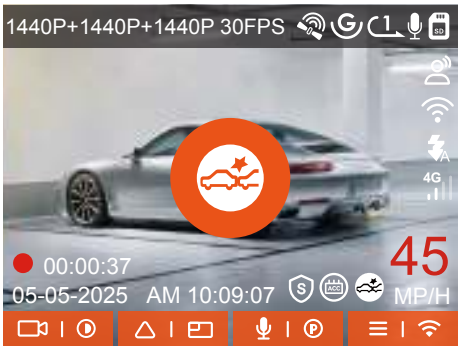
Press and hold the shortcut button to enter; press any button to exit.





Mode 1: Collision Detection

When the collision detection function is on, the recording interface will display the corresponding icon, indicating that the device is in the collision detection mode. Sensitivity can be adjusted between levels 1 to 5 based on user preferences and vehicle conditions, the higher the number, the higher the sensitivity level.



When the G-sensor detects that the vehicle has been stationary for 5 minutes (entering the collision detection mode), the dash cam will display the corresponding icon in the middle of the screen and automatically shut down. After switching off, if the vehicle vibrates or moves, the dash cam will automatically switch on and record 30 seconds of video, and then switch off again to ensure that key images are recorded.

According to different user habits, the collision detection mode provides two start-up modes: quick start mode and power saving mode, which can be selected by users in Recording **Settings > Parking Monitor Settings > Parking Collision** Detection.

Quick Start Mode: The device enters the standby mode with the screen off, and when a collision occurs, the device will immediately light up the screen to record video, and save the file and continue to enter the standby mode when the recording is finished.

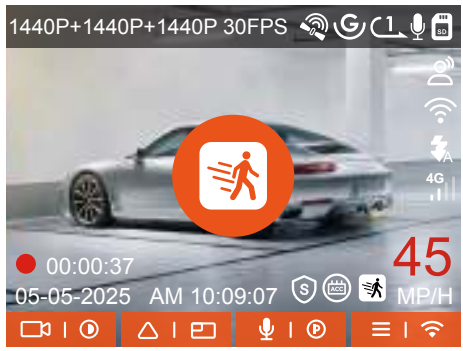
Power Saving Mode: The device is completely switched off and automatically switches on to record video after detecting a collision, saves the file and switches off after recording is completed, which is more energy-saving.

Note:
If the dash cam continues to be hit by a collision during the collision detection recording process, it will exit the collision detection mode, enter the normal recording, and continue to stand still for 5 minutes before entering the collision detection again.

Mode 2: Motion Detection

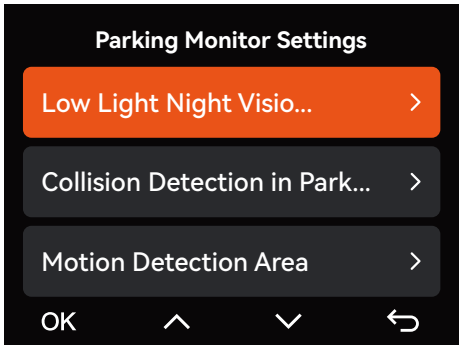
When motion detection is turned on, the recording interface will display the motion detection icon, indicating that the device has entered the motion detection mode. Users can select three levels of sensitivity, low/medium/high, corresponding to a detection range of 2 /4 /6 meters.

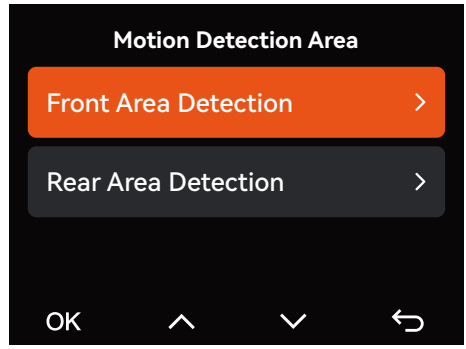
Trigger process: The dash cam supports pre-recording function, which can better restore the event process, you can add the recording screen 15 seconds before the triggering event in the motion detection video, which will eventually form a 45-second motion detection recording (15 seconds pre-recording + 30 seconds after the trigger)



In the Parking Mode setting, select the detection lens and adjust the motion detection area to more accurately monitor activity within a specific range.This function works in conjunction with the Motion Detection Parking Mode to ensure that the device automatically triggers recording when it detects

abnormal movement, increasing surveillance efficiency and reducing ineffective recordings.

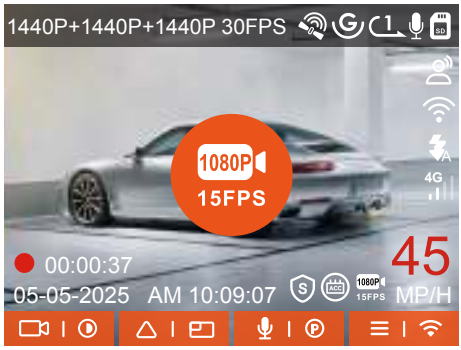


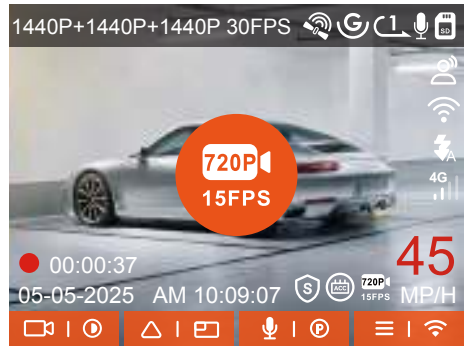


Note: Please make sure the device is in normal working condition to ensure that the motion detection function works effectively.

Mode 3: Low Bitrate Recording

When Low Bitrate Recording is on, the screen displays the Low Bitrate icon and records according to the set resolution (1080P 15FPS or 720P 15FPS).





Entry Method: After parking and turning off the engine, the device automatically enters a low bitrate mode, where the resolution of all lenses is adjusted to the preset value, and recording is conducted according to the set loop recording duration.

Note: This mode is only effective when the device is powered on. If the device is turned off, it will not function.

Mode 4: Low Frame Rate Recording

Entry Method: Upon parking and turning off the engine, the device automatically enters a low frame rate mode, effectively preserving video integrity while saving storage space.

Calculation Formula: Time-lapse recording file duration (seconds) × Recording frame rate ÷ Frame rate of resolution = Actual recording duration (seconds).

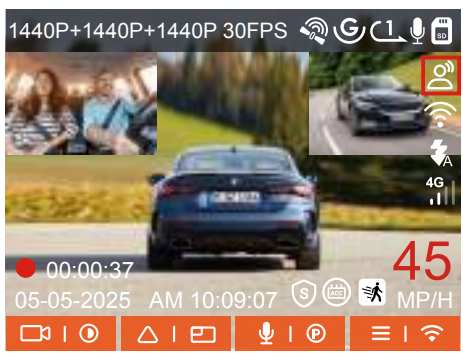
Note:

① Time calculations are based on seconds; for conversions to other units, adjustments must be made accordingly.

② The device requires a stable power supply. If the power is disconnected, the dash cam will automatically shut down.

F. Voice Control

Users can give voice commands to the dash cam through the language recognition function, such as capturing pictures, starting recording, turning on/off WiFi, video locking and so on.Currently supported languages are English, Japanese, French, Russian and Chinese. For more detailed voice commands, please check **System Setup > Voice Content.**



Voice recognition has options of low sensitivity/standard/high sensitivity/off. The default is standard sensitivity.

G. Mileage Statistics

The N4S dash cam analyzes and counts the user's driving hours, driving mileage, altitude, driving speed and other information by recording the GPS information of the driving process and exporting the mileage file through APP.
In the Vanture APP's real-time preview interface, select the start and end times, then download the file as a PDF or JPG for local storage.

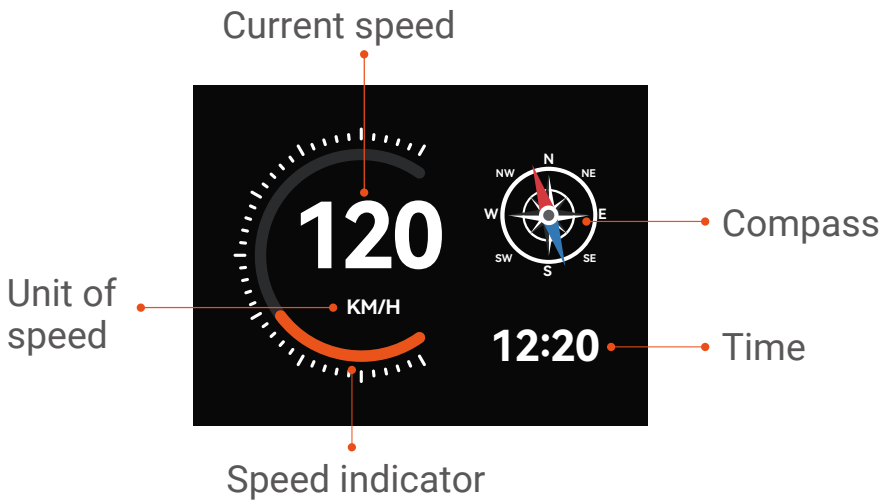






H. HUD Speed and Time

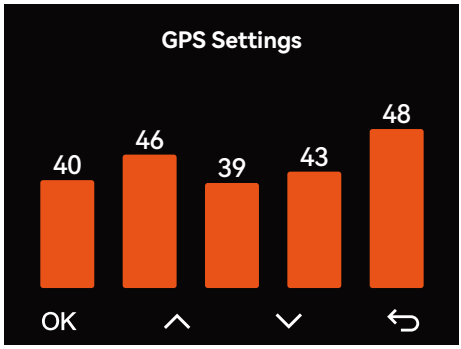
When this function is turned on, every time the GPS fixes successfully and the screen of dash cam is off, the screen will display the following information: current driving speed, current driving direction and current time, which can help the user to obtain the key driving information intuitively and improve driving safety and convenience.



Note:
The HUD function will not be displayed when the GPS is not located or the GPS function is not turned on.

I. GPS Function

GPS is enabled by default. The N4S receives GPS signals via a GPS mount. It automatically corrects the time and date in your area, records the location where the video was taken and the speed of the vehicle at the time.



Note:

① GPS connection time: GPS connection should be completed within 1 minute after the device is switched on.If it is not successful for more than 1 minute, please check:

- If the GPS function is enabled;
- If the device is correctly connected to the GPS bracket;
- Whether the environment affects the signal (e.g. underground car parks, tunnels, densely built-up areas, etc.).

② GPS Information Viewing: GPS data is embedded in recorded video and can be viewed through the Vantrue APP or Vantrue GPS player.

J. LTE Setup (Must be connected with LTE module. Buy separately)

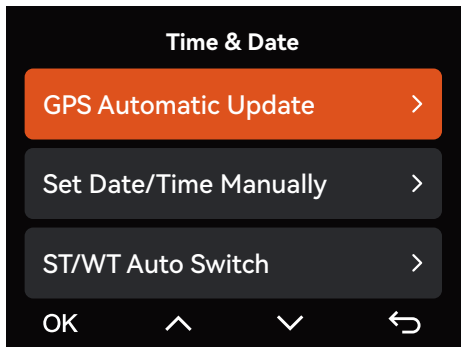
To make it easier for users to remotely check parking conditions, Vantrue has developed the LTE module (LT01). Users can insert the SIM card into the LTE module and connect the dash cam for remote monitoring.



The following LTE settings are customizable:
a. Message push settings
b. SIM card traffic consumption limit
c. Crash video upload quality
Users can customize the settings based on their SIM card data plan, ensure efficient use of traffic and remote monitoring features.

K. GPS Auto-correction Time

The N4S dash cam is set to automatically adjust the time via GPS by default. Users can select their time zone, for example, if the user is in Los Angeles, they can choose GMT-08:00. If the user is unsure of their current time zone, they can connect to the Vantrue APP via WiFi, ensure that the automatic time adjustment feature in the APP is enabled, and once connected successfully, the dash cam's time zone will be forcibly corrected based on the user's phone's time zone.



Note:

① GPS auto-correct time needs to set the correct time zone, you can refer to the representative city after each time zone.

② Automatic switching between winter and summer time function, this function is limited to use in North America.

L. Playback File

Vantrue offers an exclusive PC player for viewing video content in higher definition:

• **Mac** users can search for **"Vantrue Player"** in the **Apple App Store** and download it.
• **Windows** users can go to **Vantrue's official website.** (https://www.vantrue.net/app/app.html)to download the latest version of the player. The player supports video playback, GPS track view, speed display and other functions to provide users with a better video experience.

Vantrue Player

Vantrue Player Version 3.0.3 (for Windows)
Vantrue Player (for Mac)



M. Dashcam Upgrade

Upgrade Route 1: File upgrade
Go to VANTRUE website to download the latest N4S dashcam firmware, copy the firmware file to the root directory of the memory card, then insert the memory card back into the dashcam and power it on to initiate the upgrade process.



Upgrade Route 2: OTA (OvertheAir) Firmware Update

After launching the APP, a firmware update notification will be displayed, after the user confirms the upgrade, it will jump to the OTA upgrade interface, you can follow the APP guide to upgrade.






Firmware OTA update for...
Downloading...
Downloaded
Download


Firmware OTA update for...
Downloaded
Download


Firmware OTA update for...
4KB/s


Firmware OTA update for...
Dashcam will be restarted and update soon, please do not power off.

Entry Modes:

① Whether it is file upgrade or OTA upgrade, you need to keep the N4S dashcam normally powered on during the upgrade process.
② Download upgrade file during OTA upgrade need to use the data traffic.
③ When using the file upgrade, you need to format the memory card on the host of N4S dashcam, and then put the upgrade file into the memory card to carry out the upgrade process.

2.6 Menu Introduction

The N4S dash cam main functions setup has three sections, Record Setup, System Setup, and File Browsing. You can set your dash cam according to your requirements with these function setting.

(1) Record Setup

a. **Resolution:** The N4S dashcam includes 3 lens combination modes:
Front + Inside + Rear
1944P+1440P+1440P 30FPS
1440P+1440P+1440P 30FPS
1440P+1080P+1440P 30FPS
1440P+1080P+1080P 30FPS
1080P+1080P+1080P 30FPS
1440P+720P+1080P 30FPS
1080P+720P+720P 30FPS
Front + Inside
1944P+1944P 30FPS
1440P+1440P 30FPS
1440P+1080P 30FPS
1440P+720P 30FPS
1080P+1080P 30FPS
1080P+720P 30FPS

Front + Rear
1944P+1440P 30FPS
1440P+1440P 30FPS
1440P+1080P 30FPS
1440P+720P 30FPS
1080P+1080P 30FPS
1080P+720P 30FPS
Front
2592x1944P 30FPS
2560x1440P 30FPS
1920x1080P 30FPS
1280x720P 30FPS

b. **Image Quality:** Default is Standard mode, with the option to turn on PlatePix™ Mode.
c. **Loop Recording:** Default setting is 1 min, this feature contains 4 options: off, 1 minute, 3 minutes, 5 minutes. When you turn off loop recording, it records 20 minutes per video by default until the SD card is full.
d. **IR LEDs:** The interior camera of the N4S dashcam is equipped with infrared lights, and it offers three modes to choose from: automatic, on, and off. The default mode is automatic.
e. **G-Sensor:** Select the level of G-sensor you need, then you can set 3 directions (Front + Rear/Left + Right/Up + Down). The G-sensor value in each direction can be selected as 1/2/3/4/5/Off. Default setting is level 3.
f. **Privacy Mode:** Default setting is off, when it is on, the video recording will be in three loop mode.
g. **Audio Recording:** Default setting is on, here you can set audio recording on/off.
h. **Audio Noise Reduction:** Default setting is on, adjust the recording audio effect by dynamic noise reduction. You can choose to turn it off.

i. **Exposure:** You can set the exposure value of the front, inside and rear camera separately, default setting is +0.0, through this option, you can adjust the exposure of the lens.
j. **REC Status Light:** Default setting is on, adjust the recording indicator on or off.
k. **HDR:** Default setting is on, you can adjust the HDR switch of the front, inside and rear lens separately to achieve a better balance of the recording effect, you can choose to turn it off.
l. **HDR Timer:** Default setting is off, when on, you can choose the automatic on time and off time.
m. **PlatePix™ Timer:** Default setting is off, when on, it will turn on and off the PlatePix™ Mode according to the set time.
n. **Rotating Display:** Default setting is off, you can turn on the rotating display of the front, inside and rear camera separately.
o. **Mirror:** Default setting is on, when it is on, the interior and rear lens screen is displayed in mirror image mode.
p. **Number Plate:** 9-digit license plate number can be set, which can be viewed in the watermark of the recorded video.
q. **Stamp:** Display time and date, VANTRUE brand name, license plate number, GPS location information, vehicle speed in the recorded video, default all on.
r. **Time Lapse:** Default setting is off, user can choose to turn on 1FPS/5FPS/10FPS/15FPS.
s. **Parking Mode:** Here you can set the parking mode that user needs, respectively collision detection/motion detection/low bit rate recording/low frame rate recording/off, default off.

t. **Parking Monitor Settings:** This function includes detection lens settings, low night vision in parking mode, motion detection area, collision detection mode adjustment.
u. **LTE Settings:** This function needs to be used after connecting the LTE module, the default settings are turning on real-time push message, use daily 300MB data traffic, collision video save traffic to upload, users can change the settings according to their needs.
v. **Mileage Statistics:** Default setting is on, open this function will record the driving mileage information, you can find the mileage statistics function in the WiFi connection mode of the APP to analyze and export the mileage statistics.
w. **HUD Speed and Time:**Default setting is off, can be set to enter after 1/3/5 minutes, it will show current speed, compass bearing and time after entering.
x. **GPS Setting:** GPS function is turned on by default, GPS switch, speed unit setting, GPS information can be checked here.

(2) System Setup

a. **Languages:** Available languages are English/Français/Español/Deutsch/ Italiano/简体中文/русский/日本語/Polski/한국어/Türkçe/Čeština.
b. **Wi-Fi:** There are Wi-Fi auto on, Wi-Fi mode, and Wi-Fi information options under the WiFi function of the dash cam respectively.
Wi-Fi auto on: default setting is on, WiFi will turn off after 10 minutes. When it is set to off, WiFi need to be turned on manually.
Wi-Fi Mode: default setting is 5G, after opening it, you can use your phone to connect to WiFi and operate N4S dash cam through your phone.
Wi-Fi information: shows the WiFi name as well as the WiFi password.
c. **Voice Control:** Default setting is standard sensitivity. When enabled, the dash cam can recognize voice commands. It can also be set to low sensitivity/high sensitivity/off.
d. **Voice Content:** The voice commands for this dash cam can be checked here. Users can use the specific commands to remote control the dash cam.
e. **Format SD Card:** Format all data on the memory card.
f. **Format Reminder Setup:** Default setting is off, you can choose to remind 15 days or 1 month later, according to the day of setting from the calculation of 15 days or 1 month, after reaching the time, you can choose "OK" for formatting, or choose "Next time". If the user selects "Next time", the time will be recalculated.

g. **Time & Date:** There are 2 ways to set the date and time:

① GPS auto update, default turn on GPS auto update, GPS auto update date and time is based on user's time zone, so you need to select the correct time zone;

② Set date/time manually, you can choose to turn off the GPS auto update, turn on set date/time manually, and correct the date and time manually. Daylight saving/winter time auto switching, off by default, when it is on, it will switch automatically according to the date of daylight saving time and winter time.
*This feature is only available in North America, other regions may cause time errors.
Also, the date format and time zone settings are within this menu.

h. **Auto LCD Off:** Default setting is off, users can choose 30 seconds, 1 minute, 3 minutes screensaver time.

i. **Device Sound:** The default volume level is 2 steps, the lowest is 0 and the highest is 5.

j. **Warning Tone:** According to different situations, the dash cam sets 5 kinds of tones, which are switch-on sound, key tone, locking tone, formatting reminder tone, and abnormal recording tone. All tones are turned on by default.

k. **Frequency:** Different countries have different light source frequencies, in order to avoid affecting the recording, choose 50Hz or 60Hz light source frequency according to different regions.

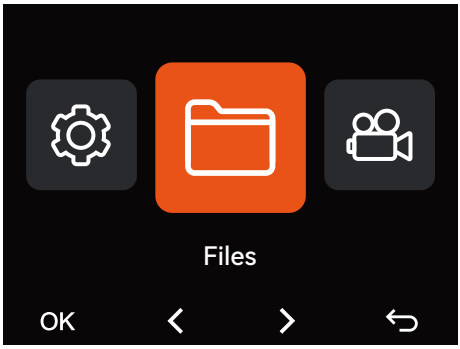
l. **System Information:** You can check the machine model, firmware version number, and VANTRUE official website URL here.

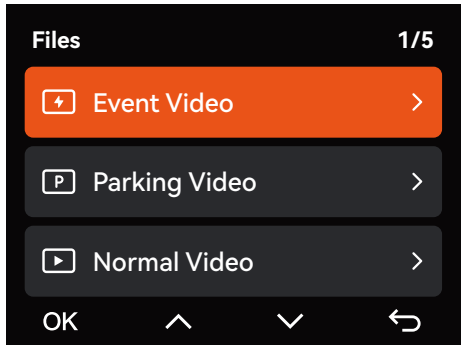
m. **Certification Information:** You can view the certification information of N4S here.

n. **Default Settings:** Restore the dash cam system default settings.

(3) Files Browsing

Under this function, users can view the video files and photo files recorded by the dash cam.





① Event Video: This folder holds emergency video files.
② Normal Video: This folder holds loop video and time-lapse video.
③ Parking Video: This folder stores all the videos under parking monitoring.
④ Photo: Photo files are stored in this folder.
⑤ All Files: All files can be viewed.

File Format Definition

20250505_140933_00008_N_A.MP4
20250505_140833_00007_P_B.MP4
20250505_140733_00006_T_C.MP4
20250505_140633_00005_S_A.MP4

Year Date Time Sequence Number

A for the front camera
B for cabin camera
C for rear Camera

N for loop recording
E for event recording
T for time lapse video
P for the video recorded in the parking mode
S for privacy recording

3. Product Specifications & FAQs

3.1 Specifications

In order for users to have a better product experience, we will upgrade our products and product specifications may change without notice.

Model	N4S
Chips	Novatek High Performance Processor
Image Sensor	Sony Sensor
G-sensor	Built-in 3-Axis G-sensor
WiFi	Built-in 2.4G & 5GHz
Screen	2.0” IPS Screen
Camera Angle	Front: 158°wide viewing angle; Cabin: 165°wide viewing angle; Rear: 160°wide viewing angle
Aperture	Front: F/1.8 wide aperture Cabin: F/1.8 wide aperture Rear: F/1.8 wide aperture
Languages	English / Français / Español / Deutsch / Italiano / 简体中文 / русский / 日本語/ Polski / 한국어 / Türkçe / Čeština
Video Resolution	Front+Inside+Rear: 1944P+1440P+1440P 30FPS Front+Inside: 1944P+1944P 30FPS Front+Rear: 1944P+1440P 30FPS Front: 2592x1944P 30FPS
Video File Format	MP4
Picture File Format	JPEG

Audio	Built-in microphone and speaker
Memory Storage	Micro SD card (supports 32GB-1TB, U3 or higher card speed memory cards)
USB Port	Type C
Power Source	Built-in super capacitor
Supply voltage current	DC 5V 2.4A
Power	7W
Working Temperature	-4°F to 140°F(-20°C to 60°C)
Storage Temperature	-4°F to 158°F(-20°C to 70°C)

3.2 Safety Warnings

① This product is an auxiliary device designed to record images of the exterior of the vehicle, and some functions may not be supported due to differences in driving and vehicle environments.
② In order to further improve the product, we will upgrade the firmware from time to time, For specific upgrades, please pay attention to Vantrue official notice.
③ Although this product can record and save images of vehicle accidents, there is no guarantee that all accident images can be recorded. A minor collision cannot cause the collision sensor to activate, so the image may not be recorded in a specialized folder, and the user needs to view all videos of the accident period to avoid missing video evidence.
④ Ensure the power is turned off before inserting or removing the memory card.
⑤ Format the memory card at least once every two weeks for stable product use.

⑥ General memory cards have a service life, long-term use may lead to data can not be saved, in this case it is recommended to buy a new memory card to use, due to long-term use of defective memory cards, resulting in the destruction of data on the memory card, the company will not be responsible.
⑦ To ensure safe driving, please do not install or operate this product when driving.
⑧ Do not subject the product to strong shocks or vibrations, which may damage the product, resulting in malfunction or inability to use.
⑨ Do not use chemical solvents or cleaners to clean this product.
⑩ The ambient temperature range for normal use of the function of this equipment is from -20℃ to 60℃; exceeding this temperature range may result in product failure.
⑪ Do not place the product in an open flame or use it in a high temperature or high humidity area, as this may cause electric shock, short circuit or other hazards and damage to the product.
⑫ Do not short-circuit, disassemble, or modify the car charger, as this may cause electric shock, fire, or personal injury.
⑬ Do not disassemble or modify this product without authorization, as this may damage the dash cam, generate heat and cause fire.

3.3 FAQs

The following are the FAQs during the use of the dash cam:

① Cannot switch on: check whether the power connection is normal, whether the power cord or car charger is damaged.
② Memory card error: ensure that the use of compatible micro SD card, format FAT32, and regular formatting.
③ Video interruption or jamming: check the memory card rate, it is recommended to use U3/A2 grade memory card.
④ Poor night vision: Clean the lens as well as the car windscreen and turn on HDR mode.
⑤ GPS can't locate: make sure to use it in outdoor open area, avoid shielding interference.
⑥ WiFi connection failure: restart the device and make sure the WiFi function of the dash cam is in the state of pending connection.In addition, you can try to switch the dash cam WiFi band, reconnect.
⑦ Button failure: check the device firmware version, reset the dash cam to try to recover.
If the problem persists, we recommend contacting the official customer service for further assistance.

4. Warranty & Support

VANTRUE Warranty Service

VANTRUE ® offers a 12-month warranty. If you have any problems related to the product, you can solve them in the following ways, we will reply within 24 hours:

① Find answers to your questions at Me > FAQs in the Vantrue APP.
② Contact purchase channel customer service for support.
③ Send email to support@vantrue.net.

VANTRUE is committed to product improvement and user experience enhancement, please feel free to send us your comments at support@vantrue.net.Thank you for choosing VANTRUE!

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