

# Warning

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

## ISED Statement

- English: This device complies with Industry Canada license - exempt RSS standard(s). Operation is subject to the following two conditions: (1) This device may not cause interference, and (2) This device must accept any interference, including interference that may cause undesired operation of the device.

The digital apparatus complies with Canadian CAN ICES -3 (B)/NMB -3(B).

- French: Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement. L'appareil numérique du ciem conforme canadien peut - 3 (b) / nmb - 3 (b).

This device meets the exemption from the routine evaluation limits in section 2.5 of RSS 102 and compliance with RSS 102 RF exposure, users can obtain Canadian information on RF exposure and compliance.

cet appareil est conforme à l'exemption des limites d'évaluation courante dans la section 2.5 du cnr - 102 et conformité avec rss 102 de l'exposition aux rf, les utilisateurs peuvent obtenir des données canadiennes sur l'exposition aux champs rf et la conformité.

This equipment complies with Canada radiation exposure limits set forth for an uncontrolled environment.

Cet équipement est conforme aux limites d'exposition aux rayonnements du Canada établies pour un environnement non contrôlé.

The device for operation in the band 5150 -5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems.

L'appareil destiné à fonctionner dans la bande 5150-5250 MHz est uniquement

destiné à une utilisation en intérieur afin de réduire le potentiel

d'interférences nuisibles aux systèmes mobiles par satellite cocanaux.

This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Cet équipement doit être installé et utilisé à une distance minimale de 20 cm entre le radiateur et votre corps.

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## warm tips:

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- o please read the manual carefully before use;
- The dash camera must always be connected to a power source in order to work;
- For safe driving, please do not set up products or use your phone to watch driving videos while driving.
- This product requires an SD Card to be inserted in order to record video.
- please do not disassemble the camera shell or repair it by yourself. If the product malfunctions, please contact vANTRUE official.
- please do not install the dash cam in a position that may block your driving vision;
- please use the product away from high temperature and humid environment;
- 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;
- Do not install the camera directly in front of the occupants to prevent accidental dislodgement causing a safety hazard;
- o please note that you may not be able to connect to the vantrue app when using wireless carplay or Android Auto;
- please use this product as permitted by law.

## 1. Quick Start Guide

### 1.1 What's in the Box?

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**A.** Vantrue N2X Dash Cam



**B.** GPS Adhesive Mount



**C.** Car Charger with Built-in Type C Cable (11.5ft)



**D.** Type C Data Cable (3.3ft, for transferring files only)



**E.** Crowbar



**F.** 3M Adhesive Stickers\*2



**G.** Base for Adhesive Mount



**H.** Electrostatic stickers\*2



**I.** User Manual

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### Optional Accessories



**J.** CPL Filter



**K.** Wireless Remote Control

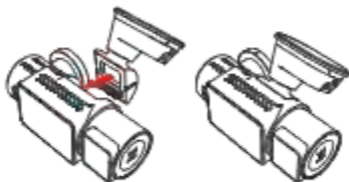


**L.** Vantrue Hardwire Kit Cable

## 1.2 Installation of adhesive mount and memory card

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Align the mount with the dash cam mount interface then push in until the mount is installed.



The N2X's adhesive mount features a new removable construction. Instead of disassembling the entire adhesive mount, users can simply separate the main body of the mount from the base of the mount.



Please format the memory card first after turning on the dash cam.

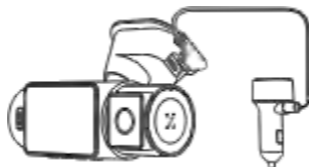


Insert a  
memory card

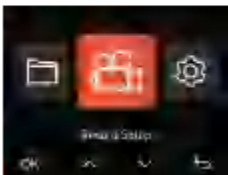
### 1.3 Installation Camera and Setup

Please power on and turn on the camera, then complete the camera menu settings, and finally install the camera on the front windshield of your car.

**Power on:** Connect one end of the original USB power adapter to the power supply, and plug the other end into the power connector of the N2X GPS mount to test if the camera can power on normally.



**Settings:** After you use it for the first time, or after each firmware update or after restoring the factory settings, you need to reset some basic settings such as date and time, language and region.

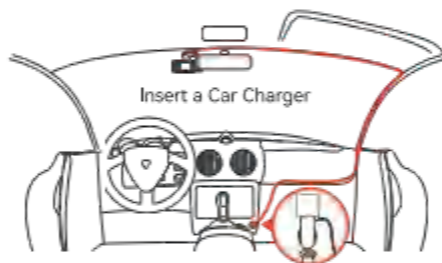


**Installation completed:** Ensure that the dash camera is properly mounted on the vehicle's windshield and does not block the driver's view, and that the front camera is shooting in the direction of the road.

Electrostatic  
sticker



Install a Dash Camera



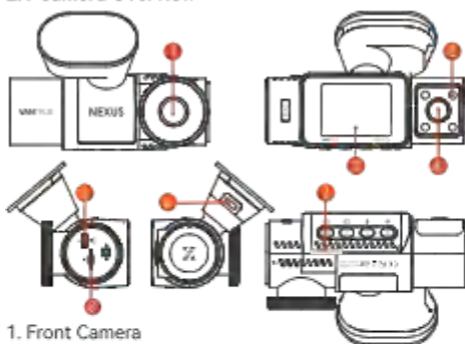
**Record Video:** After installation, once the car is started, the car camera will start recording video automatically.

**Power off:** When not using it, long press the power button to turn off.

## 2. Basic Operation

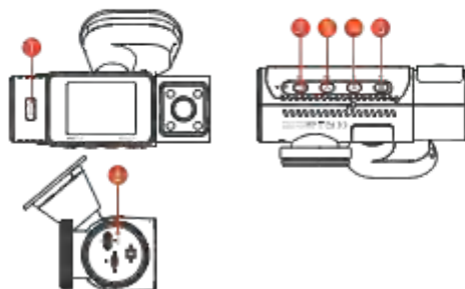
### 2.1 Camera Overview

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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

### Buttons and Functions



1.



- o In the power-on state, long press to turn off the camera; in the power-off state, short press to turn on the camera.
- o In the recording interface, short press to turn on emergency recording and snapshot.
- o In file browsing, short press to pop up the menu for deleting files.

2.



- In the recording screen, short press to turn on or pause the recording.
- o In the menu settings, short press to confirm the option.
- o In the playback video, short press to play the video or pause the video.

3.



- During video recording, short press to switch the video window;
- o 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 the file, short press to play back the video at 2x and 4x times speed.

4.



- During video recording, short press to turn on/off the microphone; Long press to enter parking mode (this operation can be done with parking mode on)
- o In the menu settings and file browsing screen, short press to select the next option or file and long press to scroll through the options or files below.
- when playing a file, short press to pop up a menu for deleting files.



#### File Format Definition

20241201\_140933\_0008\_N\_A.MP4  
20241201\_140833\_0007\_P\_B.MP4  
20241201\_140733\_0006\_T\_B.MP4  
20241201\_140633\_0005\_E\_A.MP4

Year Date Time Sequence  
Number

A for the front camera  
B for cabin camera

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

## 2.3 Operation Guide

### 2.3.1 APP Operation Guide

#### --APP Download

Please scan the QR code for the relevant version below to download the app and install it.

Search for the "Vantrue" app in App Store or Google Play Store to find the app and then download and install it on your phone.



#### --Add a Device

Wi-Fi is automatically turned on when the N2X dash cam is turned on. After turning off Wi-Fi, users can turn on Wi-Fi again by using the shortcut keys, the voice control function, or by going to the menu settings.

After the N2X camera's Wi-Fi is turned on, click "Add Device" on Vantrue App, select Nexus series, choose N2X model, confirm the corresponding Wi-Fi name, and finally click to confirm the Wi-Fi connection.

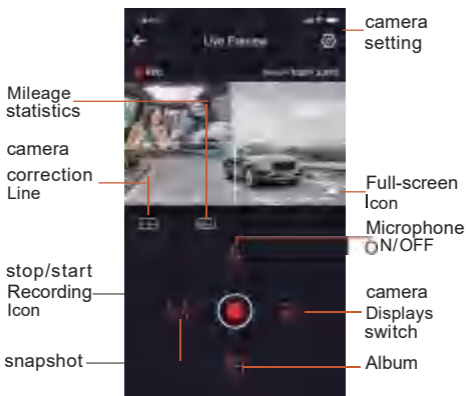


EN



- please check whether the wi-Fi function of your phone is turned on first.
  - The initial password for this device is only used for initial login. In order to prevent potential security risks, please be sure to change the initial password after the initial login to prevent others from logging into your device without authorization or other adverse consequences.
  - If you forget the password you set, you can go to the camera's "system settings" and choose Restore Default settings. After the camera restores the default settings, the wi-Fi password is the initial password (12345678).
- please note that the camera's wi-Fi password can only be changed via the vantrue app.

#### --Guidelines for the use of the APP



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

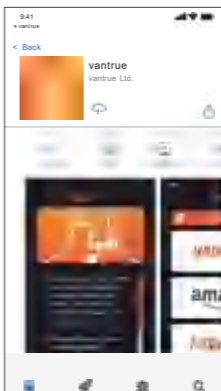
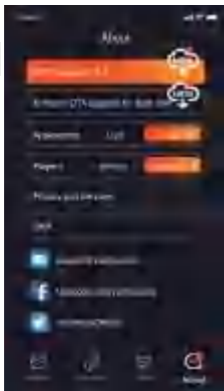
o video preview: After the APP Connects to the camera successfully, the camera enters the real-time preview page, click the full screen button or cell phone horizontal playback, the real-time screen automatically switches to full screen preview mode. click the window switch button to switch the front, and cabin video windows, but only multi-channel recording mode can use this function.

- playback video: You can view the recorded video or photo files in the SD Card in the APP, click "File" and then select the video to play back.
- video Download: You can choose to download videos or pictures in the SD Card browse file interface or in the video playback. After downloading the video, you can play it in the APP local file and view the Gps track of the video.
- picture capture: In the application's live preview screen, you can capture the current picture.
- Mileage statistics: users can click to download the mileage information according to their needs. The mileage information will be saved in the APP as a picture or PDF file.
- . camera correction Line: The lens balance is corrected by the accurate cross line, So that the recording image will not be skewed.
- . OTA upgrade: update the firmware version of N2x front and cabin camera via the APP.

## --APP Upgrade

open "vantrue" APP, connect the camera's Wi-Fi, go to "settings>About", click "Detect new version", then the APP Will automatically detect whether the APP version is the latest version.

If there is a new version of the APP, follow the instructions of the App to operate and upgrade the version.

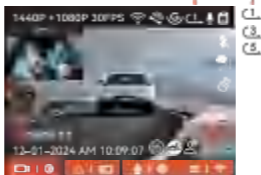


## 2.3.2 Basic operation

### --Loop Recording

After inserting the memory card and connecting the power, the N2x dash cam 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, 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, So as not to stop recording during the driving process.





Note:

- The normal operation of the loop recording function is very dependent 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.
  - please check the loop recording video regularly to avoid the necessary videos being overwritten by loop.
  - After loop recording is turned off, the lock video function will no longer work.
- o 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 "card is full!"

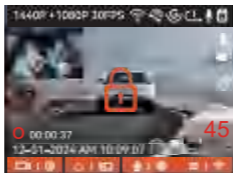
## --Event Recording


when driving, the user can lock manually or the dash cam automatically locks the recording if special circumstances are encountered.

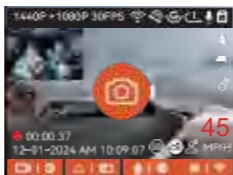
To manually lock the video, just press the  button to lock the current Video and capture it.

During the lock video period, you can press the  button to capture multiple times.

After the event recording is finished, the video will be automatically saved in the event video folder and the photo will be saved in the photo folder.



Auto-lock event recording: when the car is hit by a collision or vibration, the dash camera will automatically trigger and lock the current video when it senses the vibration. You can also press the  button to capture pictures during the locking recording period. After the emergency recording is finished, the video will be automatically saved in the Event video folder and the photo will be saved in the photo folder.



Note:

- 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.
  - 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.
- o LockK 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 , only pictures can be captured when locking the recording.

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## parking Mode

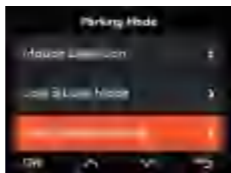
when parking , you can set up a variety of different parking monitoring settings on your own , depending on the vehicle itself, the parking environment, your own needs , and other factors.

please note the following precautions when using the parking mode:


- To ensure that the dash camera can use the parking mode function normally, please use the VANTRUE hardwire kit cable or other stable and continuous power supply for the camera .
- o It is recommended to use VANTRUE ACC hardwire kit cable. If you use other brands of ACC hardwire kit cable, you may not be able to use the ACC function due to the different location of the ACC detection PIN Pin.
- In the hot and sunny environment of summer, we recommend you to choose the parking mode of collision detection. when the ambient temperature in the car reaches 60°C, we recommend you to turn off the camera to avoid the camera working abnormally due to high temperature.
- Time-lapse recording and parking mode (including collision detection , motion detection , low bit rate recording , low frame rate mode) can only be turned on one of the two. If one of them is turned on , the other one will be turned off automatically.
- All the files recorded in parking mode will be saved in the parking video folder, in order to avoid the parking mode files being overwritten by the loop, please check them regularly to avoid losing them.
- The parking mode function will be improved with the firmware upgrade of the N2x dash camera. please pay attention to the firmware description announcement on VANTRUE Website for specific changes, or consult with customer service staff.

## parking Mode Introduction

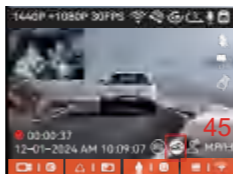
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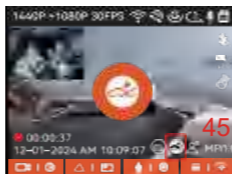
## collision Detection

when the collision Detection setting is on, the collision Detection  icon will be displayed in the recording interface, indicating that the recorder is currently using the collision Detection mode.


The sensitivity of collision Detection value can be selected as 1/2/3/4/5. The higher the sensitivity level, the easier it is to trigger Event recording. collision Detection is most sensitive when set to 5.

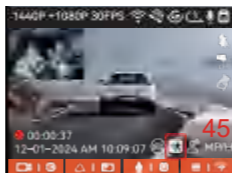


After entering the collision detection mode, once the dash cam detects a collision, it will trigger the recording for 1 minute and save the file in the parking video folder. You can watch the video back via APP Or computer vantrue player.

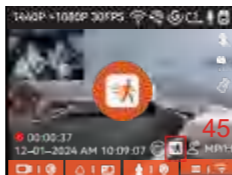


## Motion Detection

when the Motion Detection setting is on, the Motion Detection icon  will be displayed in the recording interface, indicating that the recorder is currently using the Motion Detection mode.



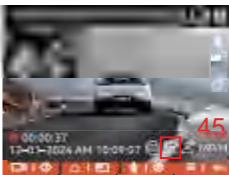
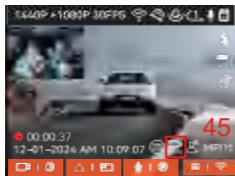
After entering the motion detection mode, once an object is found to be moving within the set detection range, the dash cam will be triggered to record video for 30 seconds and retain the 15 seconds of footage before the triggering of the recording together to make up a 45-second motion detection recording video, which will be saved in the parking video folder.



## Low Bitrate Recording

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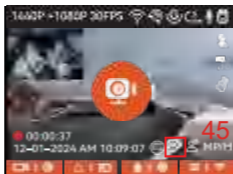
After entering the low bitrate recording mode, the resolution of all cameras will be automatically switched to 1080p 15FPS Or 720p 15FPS for recording , and the recording time is 3 minutes, and the file is saved in the parking video folder.



## Low Frame Rate Recording

when entering the low frame rate recording mode, the dash cam will compress the recording time to extend the integrity of the recording file. Each low frame rate recording file is displayed for 1 minute and the file will be saved in the parking video folder.

For example, if the user selects the 1FPS low frame rate mode , the recorder will record the video in seconds during parking monitoring , and every30 minutes of recording will be compressed to 1 minute and saved.



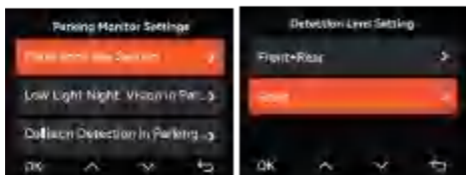
## Parking Monitor Setup



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### Camera settings for detection

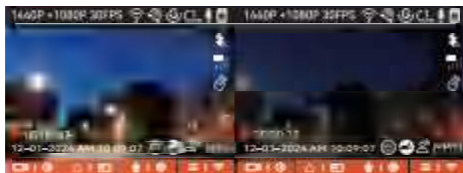
Adjust the recording screen under all parking monitoring functions, you can choose front + cabin camera together or single front camera recording.



### Low Light Night Vision in Parking Mode

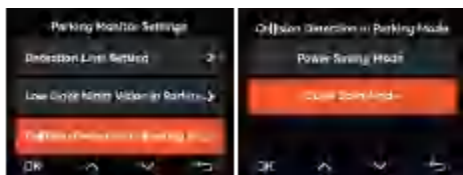
In order to enhance the safety of parking at night, we make full use of the lens performance combined with the low light Night Vision technology to improve the night vision effect in parking mode.

This feature is on by default and will only be triggered when entering parking mode, and will not affect normal recording.

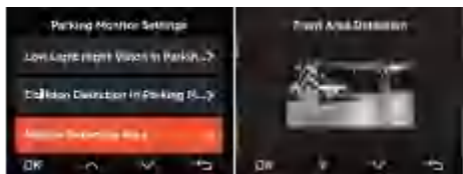


## Low-light Nightvision on Low-light Nightvision off collision detection in parking

This function allows you to adjust the startup mode of collision detection. In power saving mode, the dash cam will turn off and then turn on to record after the trigger; in fast start mode, the dash cam will be in standby mode and start recording immediately after the trigger.

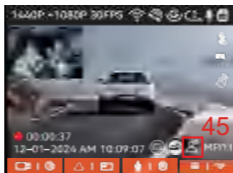


The detection range of the front camera and rear camera can be set on the N2x dash cam, and the set range can be adjusted up and down as well as left and right.



## voice control

You can control the camera with voice command, such as take photo, video start, turn on/off Wi-Fi, lock the video, etc. currently supported languages are English, Japanese, Russian, and Chinese. For more detailed voice commands, please go to system settings > voice content to view them.

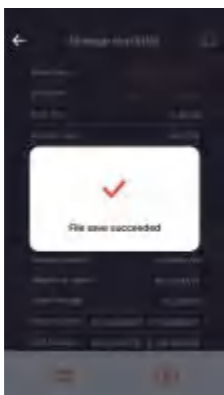


Turn on voice control

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

## Mileage statistics

N2x dash cam uses GPS information to analyze mileage statistics such as driving time, driving mileage, altitude, driving speed, etc. during the driving process. Mileage files can be exported via APP. In the APP real-time preview interface, you can select the start time and end time, click ok, then you can download the mileage statistics file in PDF Or JPG format and save it in the APP local folder.



## HUD Speed and Time

When this function is on and after each successful GPS fix, the camera screen displays the zoomed-in current travel speed, current travel direction and current time.



- When this feature is turned on at the same time as the screen saver feature, the screen saver feature takes precedence.
- When GPS is not successfully located or GPS is not turned on, the device cannot access the HUD speed and time display function.

## GPS Function

GPS is enabled by default. The N2X dash camera 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.



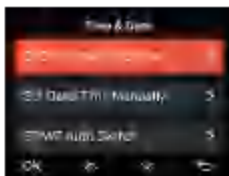
### Note:

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- The GPS connection will be completed within 1 minute after you turn on the device. If the GPS connection is not successful within 1 minute, please check whether the DEVICE has turned on the GPS function, whether the GPS bracket is properly connected, and whether your environment (underground parking lot, densely populated residential area, subway, tunnel, etc.) is affecting the reception of GPS signal.
- GPS information is recorded along with the video. To view it, please download and install the VANTRUE App and VANTRUE GPS Player (available for download at [www.vantrue.net](http://www.vantrue.net)).

### Automatic time correction via GPS

The default setting of GPS auto time correction for N2X is on. If your location is Los Angeles, you can select GMT-08:00. If you don't know the time zone of your location, you can connect your phone to the Wi-Fi of the camera, and turn on the automatic time correction function in Vantrue APP, so the camera will correct the time zone of the camera according to the time zone of your phone.



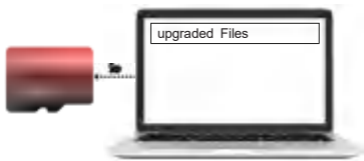
### Note:

- GPS automatic time correction needs to set the correct time zone, you can refer to the representative cities of each time zone.
- Automatic switching between Winter Time and Summer Saving Time is available for North America only.

## N2x Dash cam Firmware update

### upgrade method 1: updates via file

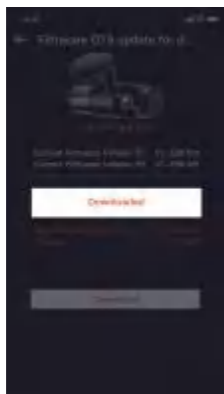
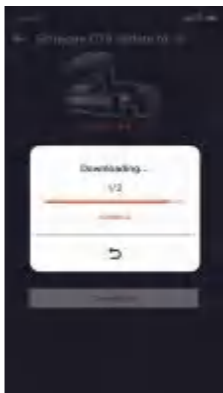
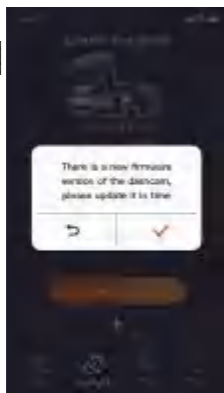
Go to VANTRUE Website to download the latest N2x dashcam firmware, copy the firmware file to the root directory of the memory card, then insert the memory card back into the N2x camera, the system will automatically upgrade with the updated firmware of the Micro SD Card after the dash cam is turned on.

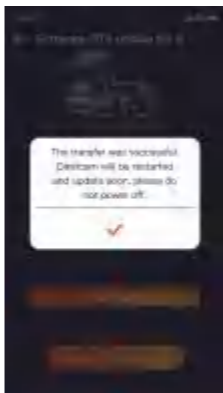
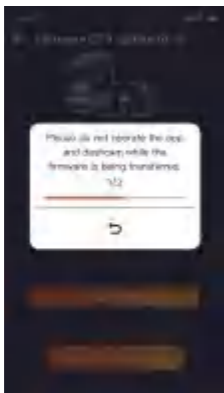


### upgrade method 2: OTA (over the Air) Firmware update

After opening the APP, if you receive an update reminder of the dashcam software, please confirm the upgrade, and then it will jump to the OTA Upgrade interface, and then upgrade according to the APP guidelines.

- To upgrade firmware via file or OTA Upgrade, N2x camera needs to keep power on.
- To upgrade via OTA, internet data traffic is required to download the upgrade file.
- If you upgrade the firmware by file, you need to format the memory card on the N2x dash camera, and then copy the upgrade file to the memory card to upgrade the firmware.





## 2.4 Menu settings

The N2x camera function 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.

### 2.4.1 Record setup

-Resolution: The N2x camera has 2 resolution modes:

Front +cabin Recording Mode:

1 944P +1 080P 30FPS

1 944P +720P 30FPS

1440P +1 080P 30FPS

1440P +720P 30FPS

1440P 60FPS+1 080P 30FPS

1440P 60FPS+720P 30FPS

1 080P+1 080P 30FPS

1 080P+720P 30FPS

720P+720P 30FPS

## Front Recording Mode:

2592X1 944P 30FPS

2560X1440P 30FPS

2560X1440P 60FPS

1 920X1 080P 30FPS

1280X720P 30FPS

-Loop Recording: Default setting is 1 min. You can choose the options among 1/3/5 min and OFF.

-IR LEDs: The default setting is Auto. You can set it to autoloff/on.

-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. The higher the sensitivity level, the easier it is to trigger event recording. G-sensor is most sensitive when set to 5.

-Audio Recording: The default setting is on. set recording to on or off.

-Audio Noise Reduction: The default setting is on. It adjusts the audio effect of recording by dynamic noise reduction. You can choose to turn it on or off.

-Exposure: You can set the camera exposure value of the front or cabin camera of the car separately. The default is +0.0.

-REc status Light: Default setting is ON. You can choose to turn on/off the recording status light.

-HDR: The default setting is on. You can adjust the HDR On or off of the front and cabin cameras

separately.

-HDR Timer: Default setting is off. when it's on, you can choose when HDR is automatically turned on and off.

-Rotate Display: Default setting is off. you can set the video screens of the front camera and cockpit camera to flip up and down (180 degrees) separately.

-Mirror: Default setting is ON. when it is on, the screen of the cabin camera is displayed in mirror mode.

-Number plate: select the number or letter to be set.

After setting , your license plate number can be displayed in the recorded video.

-stamp: Enable or disable the watermark stamp on video and photos. The watermark stamp includes time and date label , VANTRUE label , license plate number , GPS location information , and speed label. All enabled by default.

-Time Lapse: The default value is disabled. You can choose to enable 1 FPS/5FPS/10FPS/15FPS.

-parking Mode: You can choose the parking mode you need. There are collision Detection / Motion Detection / Low Bit Rate Recording / Low Frame Rate Recording / collision Detection / Event Detection / Low Frame Rate Recording / off. Default setting is off.

-Area settings for parking monitoring: There are parking monitoring area , low-light nightvision in parking mode, motion detection area , detection area , recognition frame line, parking collision detection mode adjustment.

-Mileage statistics: Default setting is off. Turn on this function , the dash cam will record the mileage information , and you can export the mileage statistics through the mileage statistics function in vantrue APP.

-HUD Speed and time: Default setting is off. It can be set to enter after 1/3/5 minutes , and the current speed and time will be displayed after entering.

-Gps settings: GPS is enabled by default. GPS ON/OFF Settings, speed unit settings, and GPS information are all set here.

## 2.4.2 system setup

-Language: Available languages are English / Français / Español / Deutsch / Italiano / 简体中文 / русский / 日本語 / polski / 한국어 .

-wi-Fi: You can choose wi-Fi mode, view wi-Fi information , etc.

The wi-Fi auto-on option means that the wi-Fi will

automatically turnoff after 10 minutes of turning on. If you choose on, wi-Fi will always stay on; if you choose off, wi-Fi needs to be turned on manually. wi-Fi mode is 5G by default.

wi-Fi information displays the wi-Fi name and wi-Fi password.

-voice control: The default sensitivity is standard. voice commands can be recognized after the option is turned on. You can choose options such as low sensitivity/high sensitivity/standard/off.

-voice content: You can use different commands to remote control the camera to work.

-FormatsD Card: Format all data on the memory card.

-Format Reminder setup: select the reminder options: 15 Days, 1 Month, and off. Default is off.

To prevent you from forgetting to format the memory card regularly, we have added a format reminder time setting. You can choose to be reminded after 15 days or 1 month, and calculate 15 days or 1 month from the set date. when the time is up, you can choose "ok" to format, or choose "Next."

Note: Ifyou changing the format reminder option, the timing will restart as soon as the option is changed.

-Date &Time: There are two ways to set the time and date:

①GPS auto update: GPS Will update the time automatically when it is turned on by default. GPS auto update date and time is based on the time zone where you set, So you need to choose the correct time zone first;

② Manual set date/time: Turn off GPS auto update and set date and time manually.

summer/wintertime auto switch: The default setting is off.when turned on, it will switch automatically according to the daylight saving time and wintertime dates.

\*This feature is only available in North America, if used in other regions, it may cause time errors.

The date format and time zone settings are also set in this menu .

-Auto LCD off:set the time to automatically turn off the LCD display after no operation.

If you set the Auto LCD Off to 3 min , the camera 'S LCD Screen will auto light off after 3 min but recording will continue. If the setup is off, the screen will not turn off. you can choose the options among 30s, 1Min, 3Min and OFF.

-Device sound: set the volume of the device. The default volume level is 2 , the lowest is 0 , and the highest is 5 .

-warning Tone: According to different situations, the dash cam is set with 5 kinds of prompt tones, which are power-on/off sound , keys sound, file locked sound , format sound , and abnormal stop recording reminder. All prompt tones are turned on by default.

-Frequency: Different countries have different frequencies. In order to avoid affecting the video , you can choose 50Hz or 60Hz frequency according to different regions.

-system Info: check the current model, firmware version , and the VANTRUE official website.

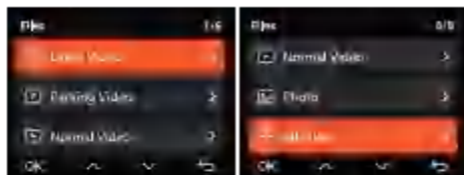
-certification Info: You can view the certification information of N2x dash cam .

-Default settings: Reset the device back to factory settings.

### 2.4.3 Files

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Review the video and photo files recorded by the camera.



**-Event:** Critical event videos detected by G-Sensor activity or manually locked by user.

20241201\_140633\_0008\_E\_A.MP4

20241201\_140633\_0008\_E\_B.MP4

**-Normal:** Standard videos recorded. This folder saves loop recording video and time-lapse video.

The file name format of Loop Recording video is:

20241201\_140933\_0008\_N\_A.MP4;

the file name format of Time-Lapse video is:

20241201\_140733\_0006\_T\_A.MP4;

**-Files in Parking Mode:**The file name format of Loop Recording video is: 20241201\_140833\_0002\_P\_A.MP4

**-Photo:** Photos files. The file name format of Loop

**-Recording video is:** 20241201\_140633\_0005A.JPG;

20241201\_140633\_0005B.JPG.

**-All Files:** All the videos and photos recorded.

**Note:** The suffix A represents the files recorded by the Front camera, the suffix B represents the files recorded by the Cabin camera.

## 3. Specifications & Warnings

### 3.1 Specifications

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The specifications of this product may change without prior notice due to product improvements.

Model	N2X
Chips	Novatek high-performance processor
Image Sensor	Sony Sensor
G-sensor	3-Axis G-sensor
Wi-Fi	Built-in 2.4GHz&5GHz
Screen	2" IPS Screen
Camera Angle	Front: 158° wide viewing angle; Cabin: 125° wide viewing angle
Aperture	Front: F/1.8 wide aperture Cabin: F/1.8 wide aperture
Languages	English / Français / Español / Deutsch / Italiano / 簡體中文 / русский / 日本語 / Polski / 한국어
Video Resolution	Front + Cabin 1944P +1080P 30FPS; 1944P +720P 30FPS 1440P +1080P 30FPS; 1440P +720P 30FPS 1440P 60FPS+1080P 30FPS; 1440P 60FPS+720P 30FPS 1080P+1080P 30FPS; 1080P+720P 30FPS 720P+720P 30FPS Single front recording mode: 2592x1944P 30FPS 2560x1440P 30FPS; 2560x1440P 60FPS 1920x1080P 30FPS; 1280x720P 30FPS
Video File Format	MP4
Picture File Format	JPG

Audio	Built-in microphone and speaker
Memory Storage	External: 32GB-512GB Micro SD Card, U3, Class 10(not included in the package)
USB Port	Type C
Power Source	Built-in super capacitor
Supply Voltage/Current	DC 5V 2.4A
Power	6W
Working Temperature	-4°F to 147°F(-20°C to 60°C)
Storage Temperature	-4°F to 158°F(-20°C to 70°C)

### 3.2 Safety Warnings

- This product is an auxiliary device for the purpose of recording exterior images of vehicles, and some functions may not be supported due to different driving and vehicle environments.
- Firmware upgrade will be carried out from time to time to further improve the product, please pay attention to the official notice of VANTRUE according to the specific upgrade.
- This product can record and save images of vehicle accidents, but it does not guarantee that all accident images can be recorded. The image may not be recorded in a special folder because the crash sensor cannot be activated for minor crashes.
- Be sure to turn off the power when inserting or removing the memory card.
- For stable use of the product, please format the memory card at least once a month.
- Generally, memory cards have a life span, and long-term use of memory cards may result in data not being saved. In this case, it is recommended to purchase a new memory card for use. If the data is

destroyed due to the long-term use of the memory card, the company will not be held responsible.

- Do not install or operate this product while the vehicle is running.
- Do not subject the product to strong shocks or vibrations, which may damage the product and cause malfunction or inoperability.
- Do not use chemical solvents or cleaning agents to clean the product.
- The ambient temperature range for normal use of this device is -20 degrees celsius to 60 degrees celsius. Exceeding this ambient temperature range may cause the product to malfunction.
- Do not place the product in an open flame. Do not use the product in high temperature and high humidity areas, as this may cause electric shock, short circuit, and other hazards and damage the product.
- It is forbidden to disassemble or modify the car charger by yourself, or use a short-circuit car charger, otherwise it will cause personal injury, electric shock, fire and other dangers or damage the product.

## 4. warranty&support

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### warranty

The VANTRUE® N2x Dash cam comes with a full 12 months warranty. If you register your product on our official site ([www.vantrue.net/register](http://www.vantrue.net/register)), you can extend the warranty to 18 months.

### support new

If you have any questions about the product, please feel free to contact us at [support@vantrue.net](mailto:support@vantrue.net), or leave us a message through the instant chat box: [Www.vantrue.net](http://Www.vantrue.net), or open the VANTRUE APP, and find it in the FAQ On the "About" page Answer.

### your opinion matters

VANTRUE® is firmly committed to always improving our products, services, and user experience. If you have any thoughts on how we can do even better, we welcome your constructive feedback and suggestions. connect with us today at [support@vantrue.net](mailto:support@vantrue.net).

## FCC Statement

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

(1) This device may not cause harmful interference.

(2) This device must accept any interference received, including

interference that may cause undesired operation.

Caution: 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 under Part 15 of the FCC Rules. These limits are designed to protect reasonably against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used by the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. Suppose this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on. In that case, the user is encouraged to try to correct the interference by one or more of the following measures:

(1) Reorient or relocate the receiving antenna.

(2) Increase the separation between the equipment and receiver.

(3) Connect the equipment to an outlet on a circuit different from the receivers.

(4) Consult the dealer or an experienced radio/TV technician for help.

## Radio Frequency Exposure Statement

The device has been evaluated to meet general RF exposure requirements. The device can be used in fixed/mobile exposure condition. The min separation distance is 20cm.