



Vantrue OnDash N2S Dual Dash Cam User Manual

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VANTRUE

Vantrue OnDash N2S Dual Dash Cam



Product Information

The Dual Dash Cam OnDash N2S is a car camera system designed to capture video footage of both the front and rear view of your vehicle. It features a built-in GPS module, suction cup mount, and a 2 TFT color LCD display for easy viewing. The camera has a front-facing camera lens for video recording and a rear-facing camera lens for in-car video recording. It also has a microphone for recording clear audio with the video footage. The camera supports loop recording, G-sensor for collision detection, motion detection, and parking mode. It is compatible with micro SD cards from 32GB to 512GB with a speed rating of class 10 or higher.

Product Usage Instructions

What's in the box?

- A. Dual Car Charger with Built-in Type-C USB Cable (11.4ft)
- B. Type-C Data Cable (3ft)
- C. Suction Cup Mount with GPS Module
- E. User Manual
- F. Quick Start Guide

Camera Overview

The camera has the following components:

1. Speaker: Delivers sound during video playback.
2. Mount Connector: Connects to the Suction Cup Mount.
3. Front Camera Lens: Front-facing camera for video recording.
4. Buttons: Enter/exit setup menu, power ON/OFF, return to previous step, microphone ON/OFF, move selector up/down, switch video windows, fast forward, confirm action, stop/start video recording, manually lock currently recording video clip, enter Parking Mode, bring up the Menu.
5. LCD Screen: 2 TFT color LCD display.
6. IR Light: 4 IR LED lights enhance night vision.
7. Rear Camera Lens: Rear-facing camera for in-car video recording.
8. Microphone: Records clear audio with the video footage.
9. Serial Number: Serial number for warranty.
10. IR Light Sensor: Sense the light changing.

11. Reset Button: Press to force reset the device.
12. Micro SD Card Slot: Provides expandable storage (up to 512GB in FAT32, Class 10).
13. Type-C Port: Connects to external device.

Getting Started

Installing a Memory Card:

Please use a genuine Micro SD memory card from 32GB to 512GB with a speed rating of class 10 or higher. We recommend using the Vantrue Micro SD Card (not included). Insert the SD card when the dash cam is off.

Carefully insert the memory card into the camera's card slot until it clicks. To remove the card, power off the camera first, then push the card into the slot until it clicks again.

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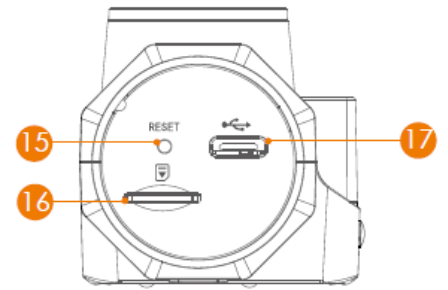
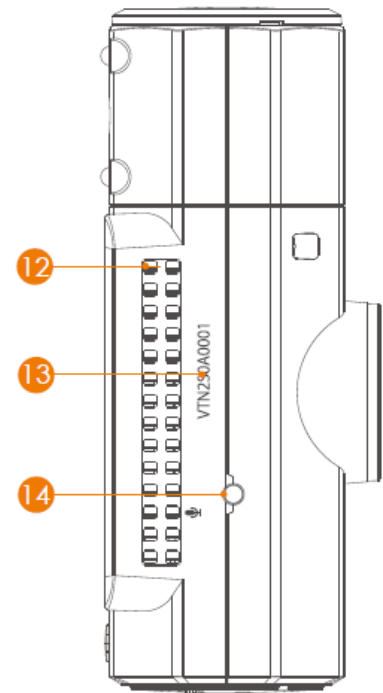
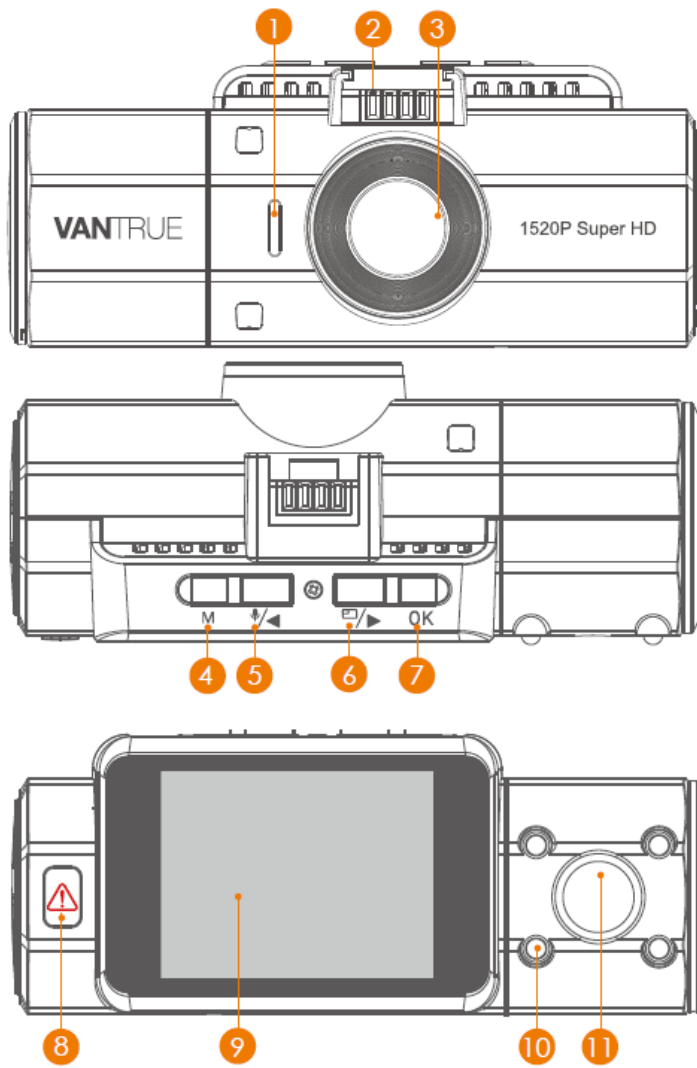
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What's in the box?








- A. Dual Car Charger with Built-in Type-C USB Cable (11.4ft)
- B. Type-C Data Cable (3ft)
- C. Suction Cup Mount with GPS Module
- D. VANTRUE® N2S Dual Dash Cam
- E. User Manual
- F. Quick Start Guide

Camera Overview



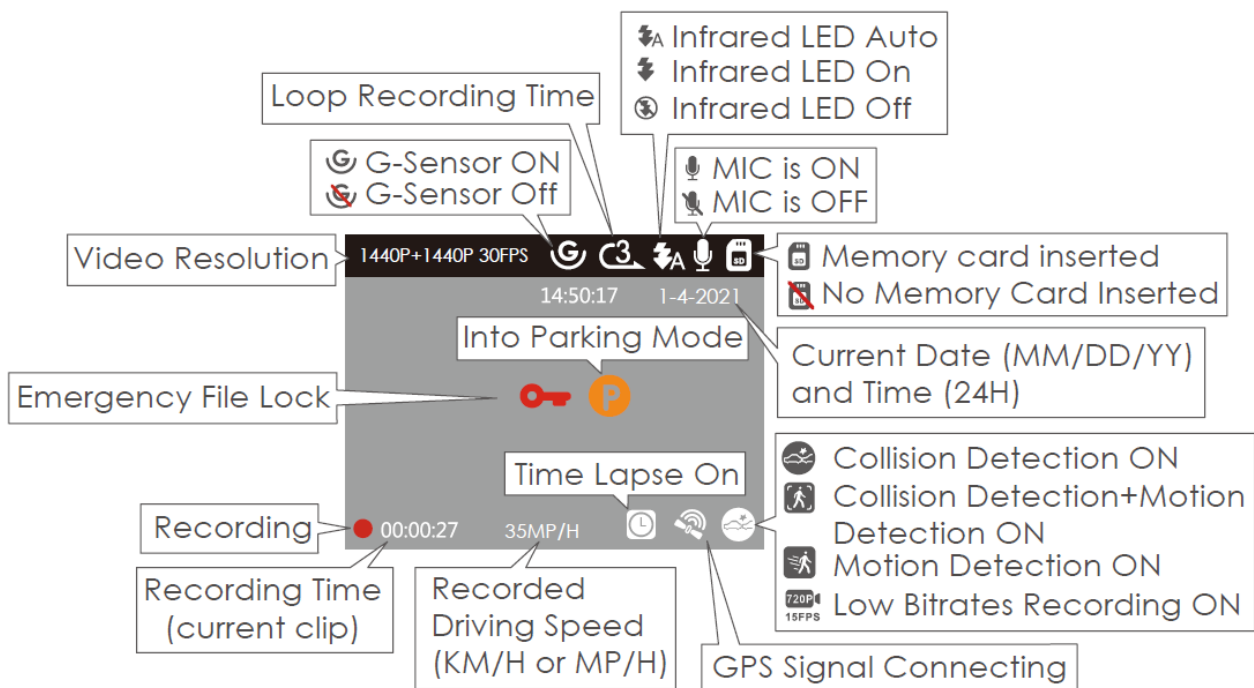
No.	Name	Description
1	Speaker	Delivers sound during video playback
2	Mount Connector	Connects to the Suction Cup Mount.
3	Front Camera Lens	Front Facing Camera for video recording.

4	 Button	Enter/exit setup menu; long press for Power ON/OFF; Return to the previous step in the setup menu.
5	 Button	Microphone ON/OFF; Move selector up; Resume playback speed.
6	 Button	Switch video windows; Move selector down; Fast forward.
7	 Button	Confirms the action; Stop/Start the video recording.
8	 Button	Manually locks the currently recording video clip following emergency or to preserve important videos; Long press to enter Parking Mode; When browsing the file interface, Short press to bring up the Menu.
9	LCD Screen	2" TFT Color LCD Display.
10	IR Light	4 IR LED Lights enhances night vision.
11	Rear Camera Lens	Rear facing camera for in-car video recording.
12	Microphone	Records clear audio with the video footage.
13	Serial Number	Serial Number for Warranty.
14	IR Light Sensor	Sense the light changing.
15	Reset Button	Press to force reset the device.
16	Micro SD Card Slot	Provides expandable storage (up to 512GB in FAT32, Class 10)
17	Type-C Port	Type-C Port connects to external device.

LED Indicator

- Red light is keeping lighting on the Emergency Button [8]
- Red light blinks on the Emergency Button [8]
- Camera is plugged into supply.
- Camera is recording.

Screen overview



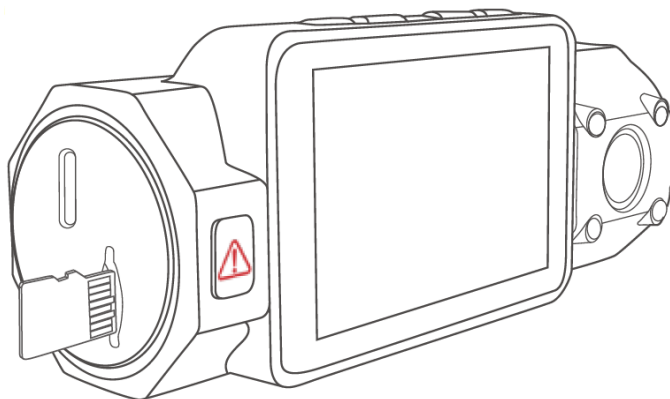
Getting Started

Installing a Memory Card (Recommend VANTRUE Micro SD Card)

Please use a genuine Micro SD memory card from 32GB to 512GB with a speed rating of class 10 or higher. We recommend use Vantrue Micro SD Card (not included). Please insert the SD card when dash cam is off. Carefully insert the memory card into the camera's card slot until it clicks. To remove the card, power off the camera first, then push the card into the slot until it clicks again.

If you are using SD card from other brand, before using the card, please format it correctly using these steps:

- Press **[M]** to enter setup; if the camera is recording video, press button **OK** to stop the recording; if it says 'please insert SD card' here, please press **[OK]** the button and press **[M]** button to access into the menu.
- Press the **[Menu/Play]** button to highlight the System Setup option, press **[OK]** button to confirm.



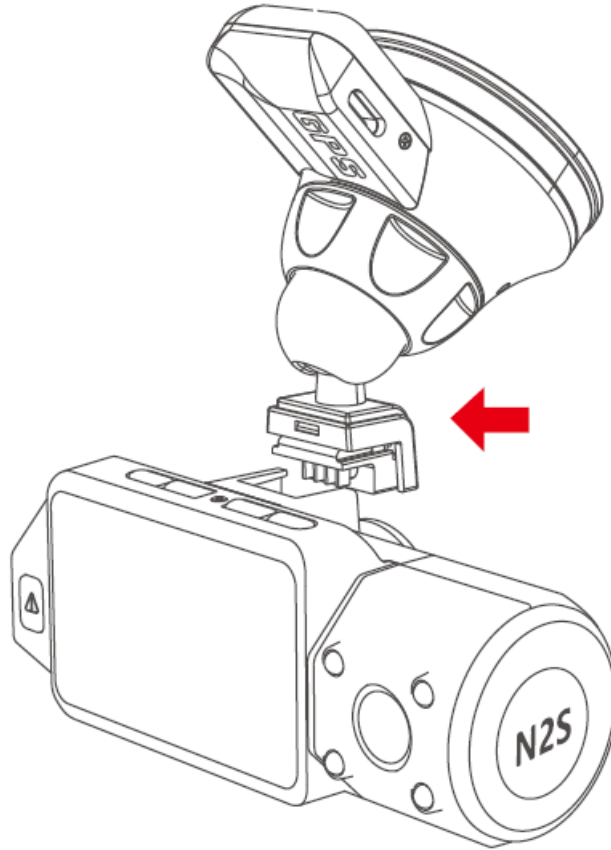
- Press the **[Menu/Play]** button to highlight the Format option, press **[OK]** followed by the **[Menu/Play]** button to select FORMAT

REMINDER:

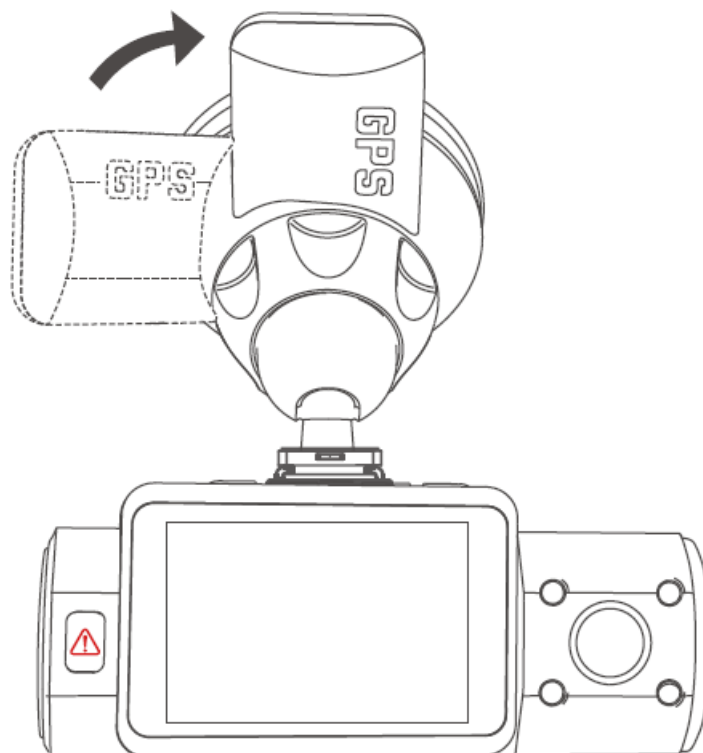
Ideally, the microSD card should be formatted once a month to maximize the lifetime of the memory card. We recommend VANTRUE Card. Some SD cards may not compatible with our dash cam, such as Sandisk, Transcend, etc.

Installing the camera onto your windshield

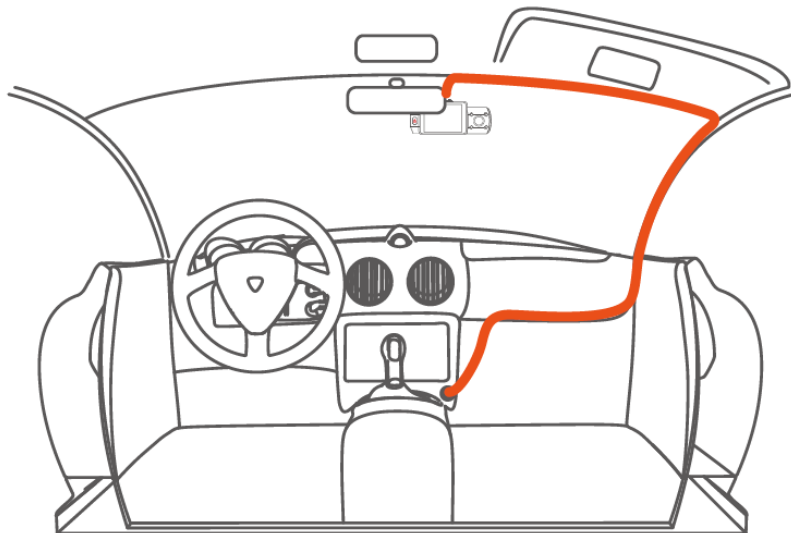
1. Attach the Suction Mount to the camera's Mount Connector, pushing it in until it clicks.



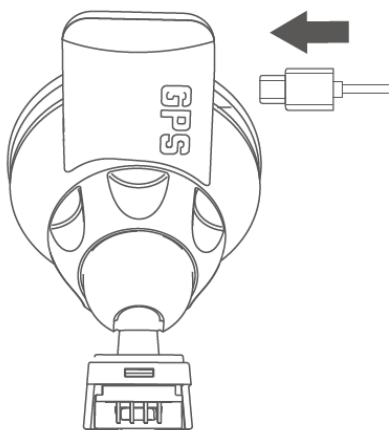
2. Thoroughly clean the windshield using water or alcohol, and wipe clean with a dry cloth.
3. Wipe the Suction Mounting Pad clean on the Suction Mount.
4. Securely attach the Suction Mount to the windshield, and rotate the locking clamp on the mount 90° upward until it clicks.



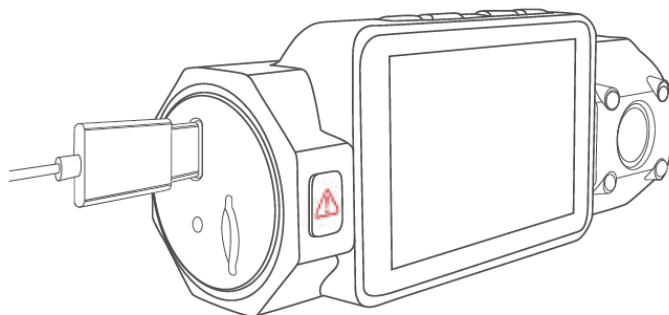
5. Carefully route the power cable around the windshield and tuck it under the trim.



6. With the Type C USB Cable, connect the supplied Car Charger to the Camera Mount Base, or connect the supplied Car Charger to the Camera.

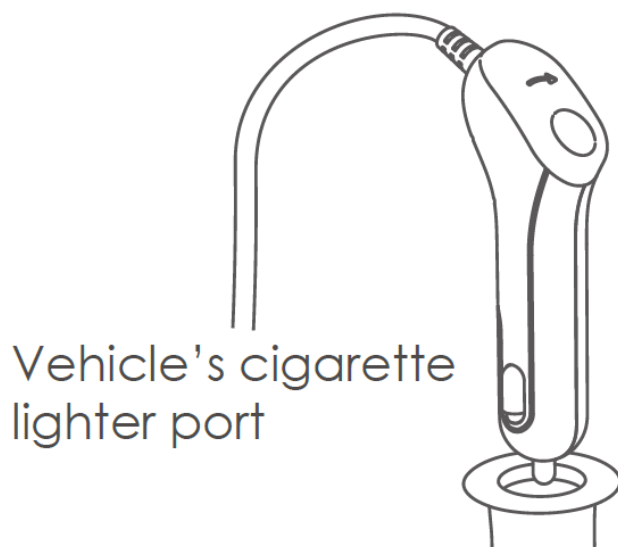


Connect to the
Camera Mount Base



Connect to the Camera

7. Insert the Car Charger into your vehicle's cigarette lighter port.





Vehicle's cigarette
lighter port

8. Start the car.
9. The camera will auto power on and start recording.

Basic Operation

Power ON/OFF

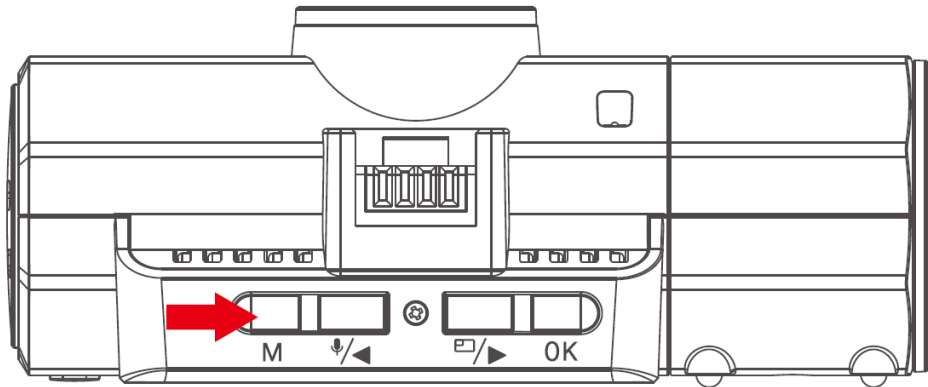
Once the car starts on, the camera will automatically turn on and start recording.

When you do not want to use the dash cam, please long press the button  button to turn it on again to turn it off, and long press the  when you want use that.

There are two ways to turn OFF the camera:

Manually




Long press the  button to power it OFF.

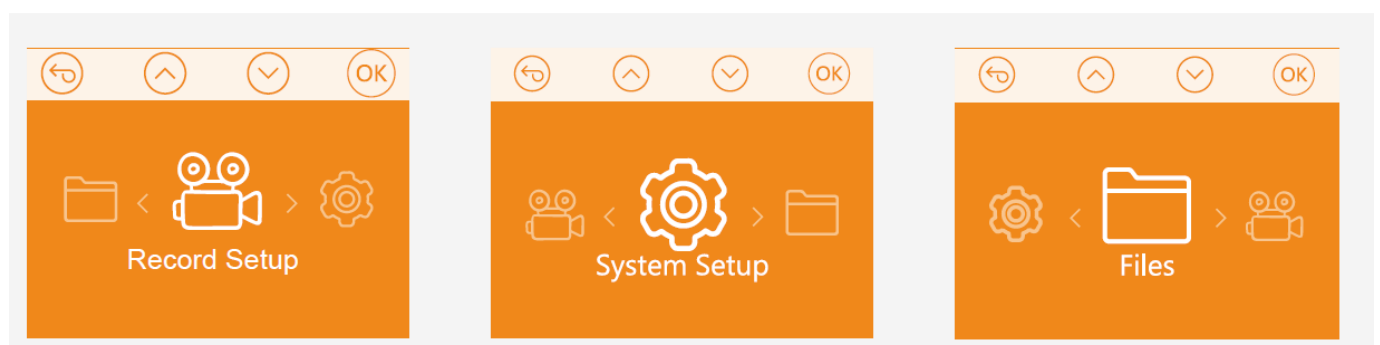


- **Automatically**


The camera will power off if the charger cable is disconnected or if the vehicle is turned off.



Menu Settings






















After powering ON the camera, press the  button to enter the setup process. (If the camera is recording video, press the  button to stop recording before pressing the  button.)

















Record Setup

Press the  button to enter the settings, and use the buttons to navigate the different options.

- Resolution: Press  or  button to change the options:
- Front+Cabin 1440P+1440P 30FPS; 1440P+1080P 30FPS; 1080P+1080P 30FPS; 1080P+720P 30FPS; 720P+1080P 30FPS; 720P+720P 30FPS;

- Front: 3840×2160P 30FPS; 2592×1520P 30FPS; 2560×1440P 30FPS; 1920×1080P 30FPS; 1280×720P 30FPS;
- Loop Recording: Press  or  button to change the duration: 1Min, 3Min, 5Min and Off.
- IR LEDs: Press  or  button to change the options: Auto, On and Off.
- G-Sensor: Press  or  button to change the sensitivity: 1, 2, 3, 4, 5 and Off.
- Audio Recording: Press  or  button to change the options: OFF/ON.
- Parking Mode: Press  or  button to change the options: Collision
- Detection, Collision + Motion Detection, Motion Detection, Low Bitrates Recording, OFF.
- Exposure: Pressing  gives the following options for Front or Cabin: +2.0, +5/3, +4/3, +1.0, +2/3, +1/3, +0.0, -1/3, -2/3, -1.0, -4/3, -5/3, -2.0.
- WDR: Press  or  button to change the options: OFF/ON.
- Number Plate: Press  or  button and **OK** to set your car license number.
- Stamp: Press  or  button to change the options: OFF/ON. Stamp shows the date/time, logo Stamp, Car Number ,Speed and GPS Location information.
- Rotate Display: Press  or  button to change the options: OFF/ON.
- Time Lapse: Press  or  button to change the options: Off, 1FPS, 5FPS.

System Setup

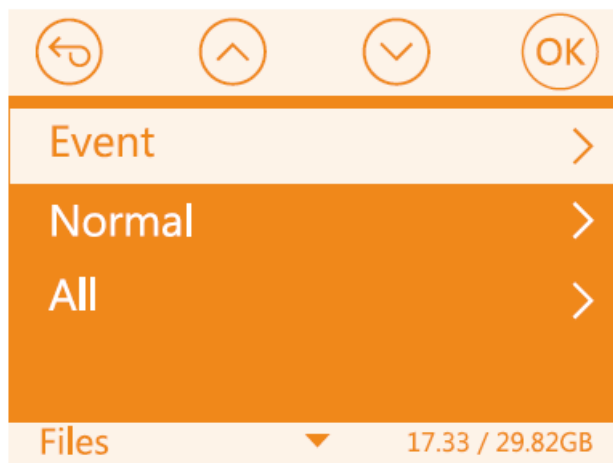
- **Language:** Press  or  button to change the duration: English, Simplified Chinese, Japanese, German, Italian, Spanish, French and Russian.
- **Format SD Card:** Select Format and press **OK** button to format the SD card.
- **Time & Date:** Press  or  button and OK button to the current date and time. Press  the button to exit.
- **Auto LCD Off:** If you choose 3 Min, it will turn off the camera screen 3 minutes after recording commences.
- **Press button to change the duration:** Auto, 30Sec, 1Min, 3Min.
- **Device Sound:** Press  or  button to change the duration: 1, 2, 3, 4, 5 and OFF.
- **Frequency:** Press  or  button to change the options: 50Hz/60Hz.
- **System Info:** Press  to check the current firmware version. (System Info)
- **Default Settings:** Press  button select  and to reset the device back to stock factory settings. Press the  button to exit and complete the setup.
- **GPS setup:** Press **OK** to toggle it ON/OFF.
- **Speed Unit:** Press  to select either KM/H or MP/H.

Files


Review and delete videos stored in the file folders.



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


- **Normal:** Standard videos recorded.
- **All:** All the standard videos, critical event videos recorded.



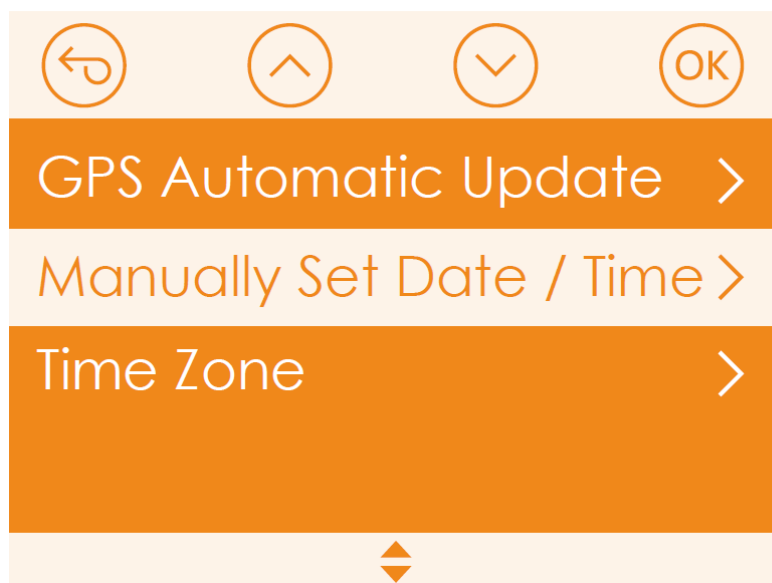
Set Date/Time

Open the  interface, navigate to “System Setup” > “Time & Date”, and press **OK** button to set the date/ time.

Navigate  or  to select date and time values.

Press **OK** to confirm and proceed. To finish setup, just press the  button to exit.

NOTE: Date format is MM/DD/YY with the time in 24 hour format.



GPS Automatic Update is on by default. When it is on, GPS positioning will locate the current time and date according to the set time zone. Users can also turn off the GPS auto update function and set the time and date manually.

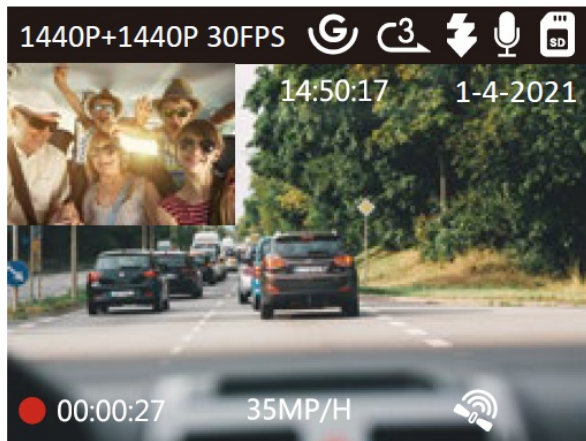
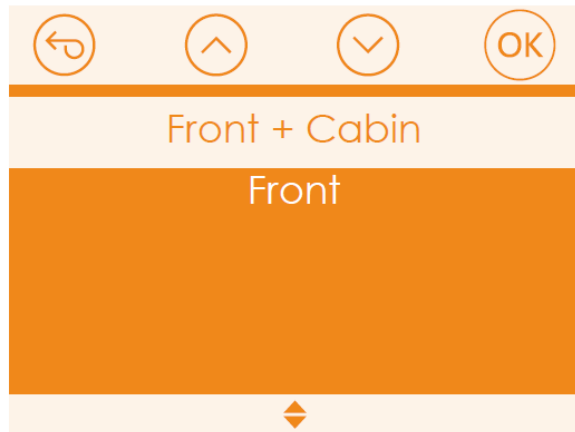
Note: GPS Automatic Update requires users to select the correct time zone. The time zone of the user can be found by searching the website or locating the time zone on the phone..

Switch Front + Cabin or Front Recording Mode Resolution

The default setting is (Front + Cabin mode) 1440P+1440P 30FPS. You can switch the dual recording resolution with following steps:

- Go to “Record Setup”>“Resolution” >“Front + Cabin”, Press **OK** button, 1440P+1440P(30FPS) ; 1440P+1080P(30FPS); 1080P+1080P(30FPS); 1080P+720P(30FPS) ; 720P+1080P(30FPS);

720P+720P(30FPS);





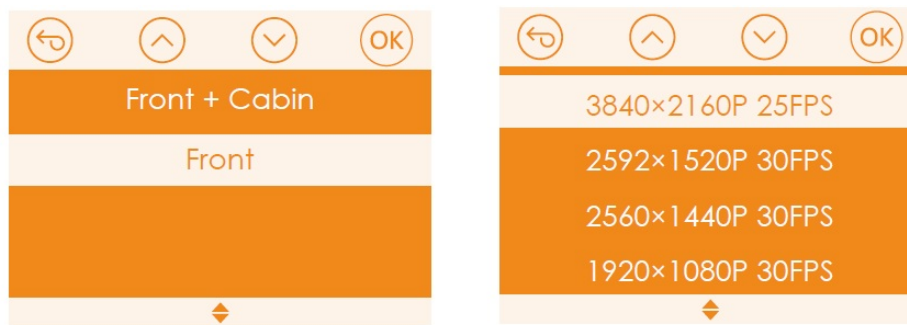
Front Camera Bigger



Inside Camera Bigger

In Front+Cabin mode when driving, you can press  to switch display to choose the front/inside camera show bigger on the lcd. It can be switched to front recording following steps:

Go to "Record Setup">"Resolution" > "Front", press **OK** button, then press  or  button to change the options 3840x 2160P(30FPS); 2592x1520P(30FPS); 2560x1440P(30FPS); 1920x1080P(30FPS); 1280x 720P(30FPS) .



Auto LCD OFF

This feature avoids any chance of the screen being a distraction in the vehicle, especially at night when the illumination from the LED screen can be a nuisance or even a hazard to the driver. If you set the Auto LCD Off to 3 minutes, the camera's LCD will light off after 3 minutes but recording will continue with red light blinks on the



button. If the setup is Auto, the screen will auto shut down when the internal temperature of the camera reaches 115°F.

You can press any button to light on the screen.



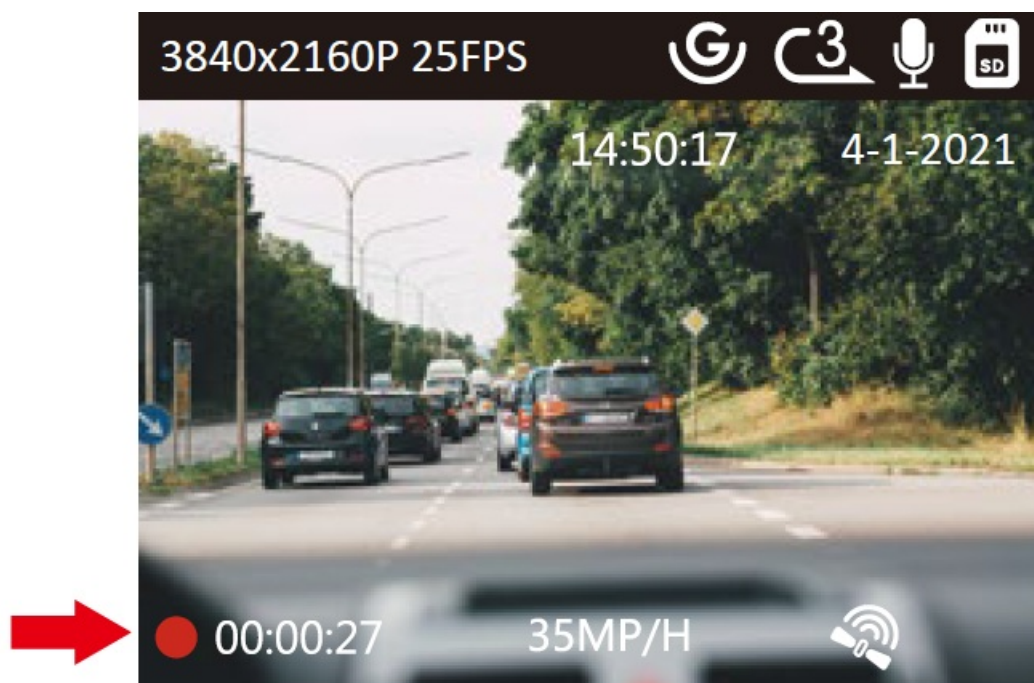
Please go to System Setup to adjust this time to 30 sec, 1Min, 3Min, or Auto to using that.

Loop Recording

With a memory card inserted, the camera will (by default) immediately start loop recording when connected to a power source and powered ON.

While recording, the LED indicator will blink and a red dot will flash on the bottom left of the screen.

You can stop/start the recording at any time by pressing the OK BUTTON.



By default, the Loop Recording Time is 3 minutes. Please go to “Record Setup” > “Loop Recording” to change it to 1 minutes, 3 minutes or 5 minutes or off. When Loop Recording is turned off, the camera will record video in 20 minute clips, but will not overwrite old videos when the storage card is full.

The loop recording video file name format is “Year_Date_Time_Seria-IA”.

For example: “2021_01_01_060101_A”, the suffix A indicates front cam recorded files, while the suffix B refers to rear cam recorded files). Standard files are stored in the “Video/Normal” folder. When the microSD card is full, the camera will write over older files.

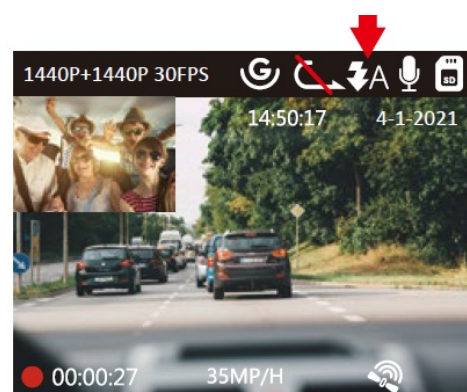
IR LED light

By default, the IR LED light is auto on.

Please note: If IR lights on, the video footage of the cabin will turn into black and white.




IR Light Sensor



- ⚡A Infrared LED Auto
- ⚡ Infrared LED On
- 🚫 Infrared LED Off

Event Recording

Critical event detection is triggered by the G-Sensor (Gravity Sensor) and will auto-detect vehicle impacts and collisions. This will cause the camera to protect the current video clip from being overwritten by locking it and saving to the “Event” folder.

The vehicle driver can also manually lock the current video recording session by pressing the  Button. A key icon will appear at the center of the screen.

The G-Sensor sensitivity is adjustable with 5 settings: 1, 2, 3, 4, 5, and off – it is set to 3 by default. The G-Sensor can also be deactivated in “Record Setup”>“G-Sensor”.

The Collision Detection sensitivity can be adjusted by the following three settings: Low, Medium and High. Please go to “Record Setup” > “Parking Mode”> “Collision Detection” to change as needed.




Event videos are stored in the “Video/Event” folder, and cannot be automatically overwritten.

NOTE: The camera will auto overwrite old Event videos once the Event folder has accumulated 30% of the card capacity. Please regularly transfer important videos to your PC or another storage location (e.g. external hard drive). To maintain good read/write performance, the microSD card should better be formatted once a month.

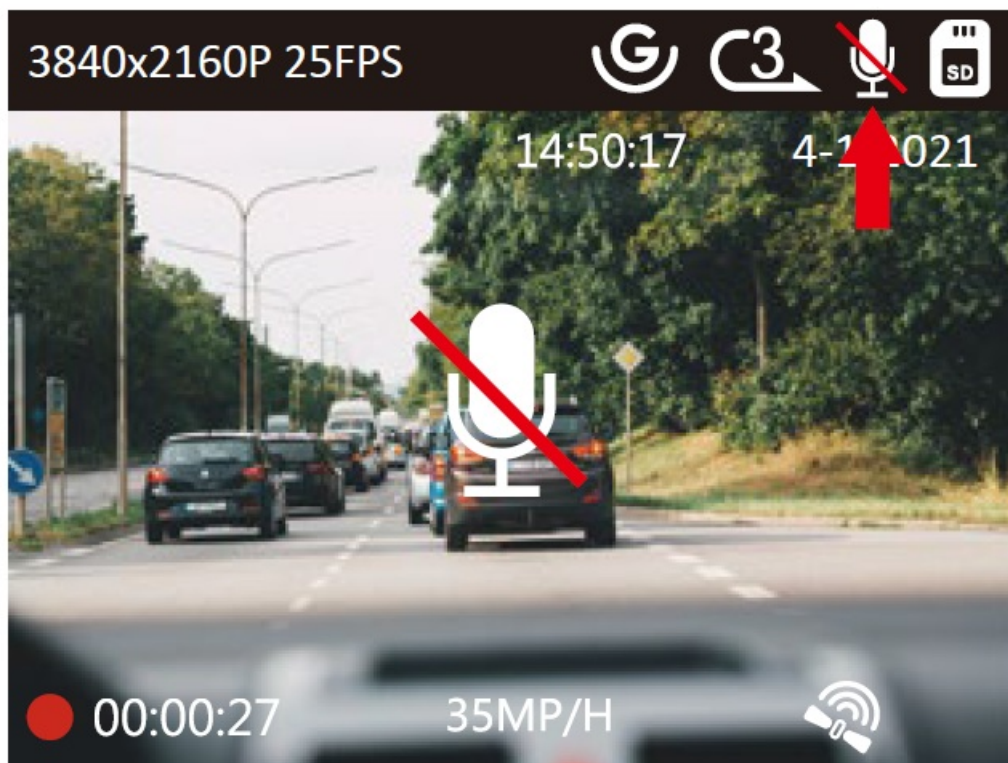
Audio Recording

By default, the voice recording is ON. It can be turned OFF following either of the methods below:

- Go to “Record Setup”> “Audio Recording”, press **OK** button and select OFF;
- While recording video, press the  button to toggle voice recording OFF/ON.



When the voice recording has been turned OFF, the MIC icon on the screen will turn white with a red line across it.



Parking Mode (Constant Power Supply Needed)

Parking Mode operates as a sentry function under different situations. To activate Parking Mode, go to "Record Setup"> "Parking Mode" , **OK** press and select the following options: Collision Detection, Collision Detection + Motion Detection, Motion Detection, Low Bitrates Recording, OFF.

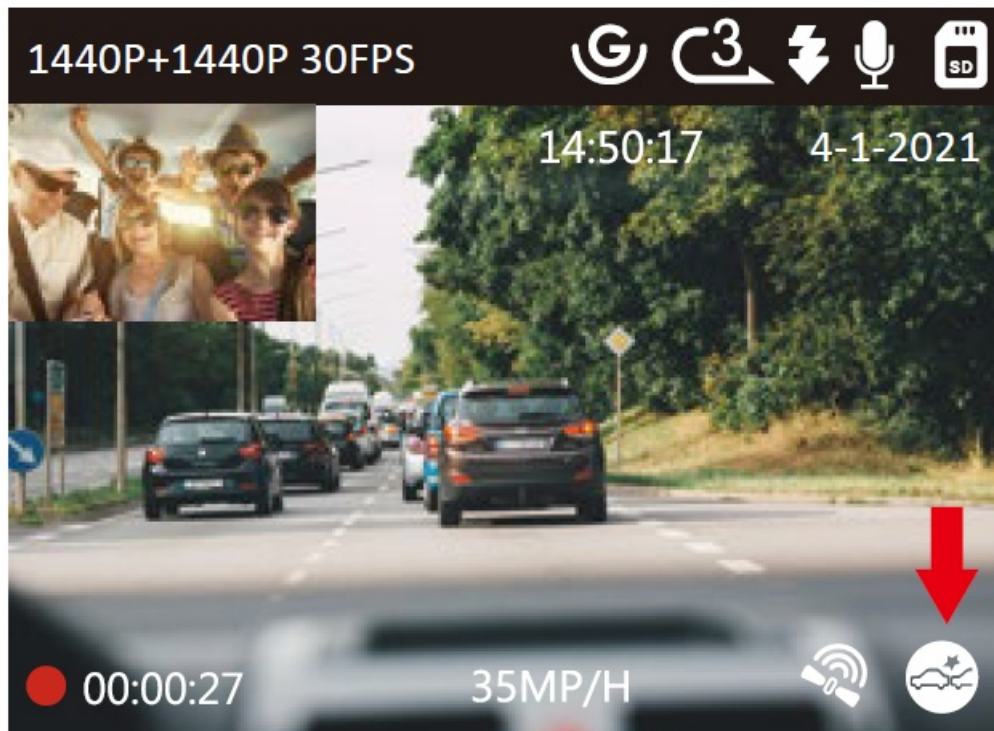
When entering parking mode, there will be a notification appear on the screen, pls press **OK** button to confirm.



If you set the Parking Mode OFF, the camera will enter normal recording mode.

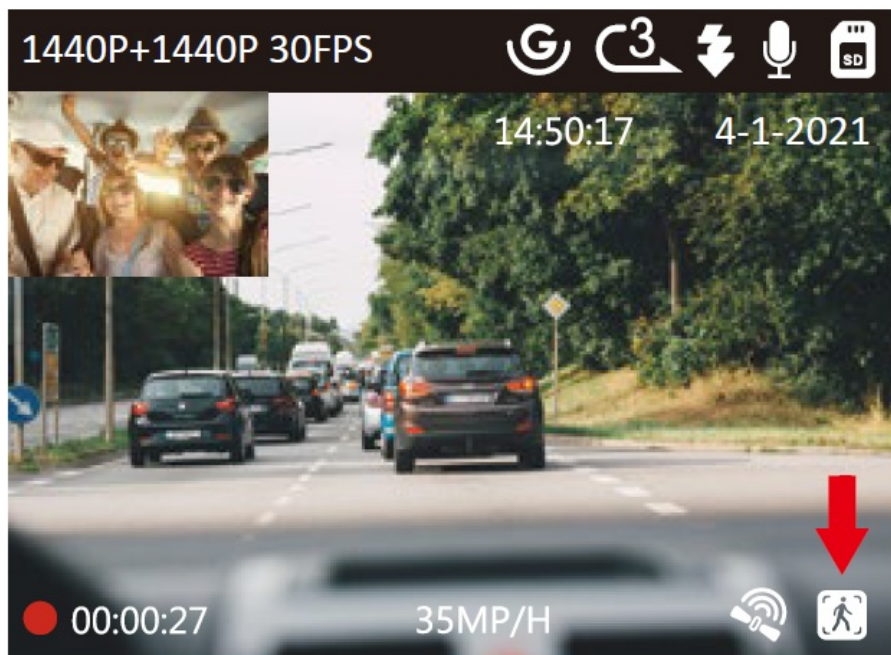
Collision Detection Triggered

When the Collision Detection has been turned on, and no The Collision Detection sensitivity can be adjusted by the following three settings: Low, Medium and High. Please go to "Record Setup" > "Parking Mode"> "Collision Detection" to change as needed. movement is detected after 5 minutes of recording, then Collision Detection is activated with a Collision Detection icon at the bottom right corner of the screen, and the camera automatically to turn off. Full frame recording will be triggered by the Collision Detection sensor. Once it detects vehicle impacts or collision, it will auto turn on and start auto recording; it will stop recording and auto off again after 5 minutes of inactivity.

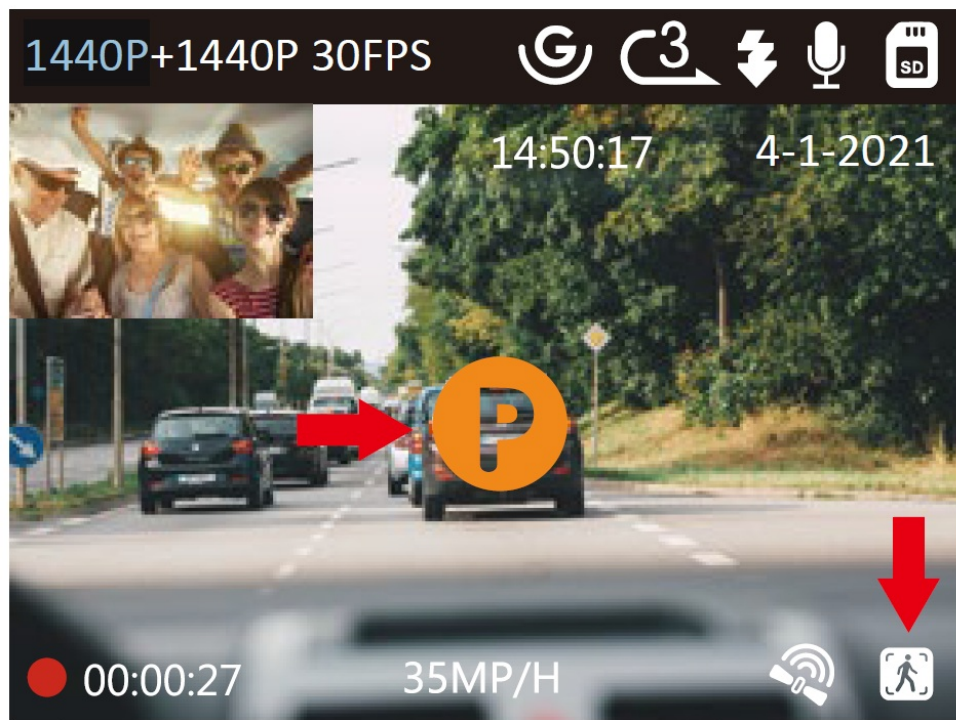



Collision Detection + Motion Detection Triggered

When the Collision Detection + Motion Detection has been turned on, this is represented by a Collision Detection + Motion Detection icon at the bottom right corner of the screen.



If no movement is detected after 5 minutes of recording, there will be an orange P icon appears in the center of the screen which means Parking Mode is activated. Once the camera detects movement, it will start auto-recording; Once you power off the camera, full frame recording will be triggered by the Collision Detection sensor. Once it detects vehicle impacts or collision, it will auto turn on and start auto recording; it will stop recording after 30 seconds of inactivity.



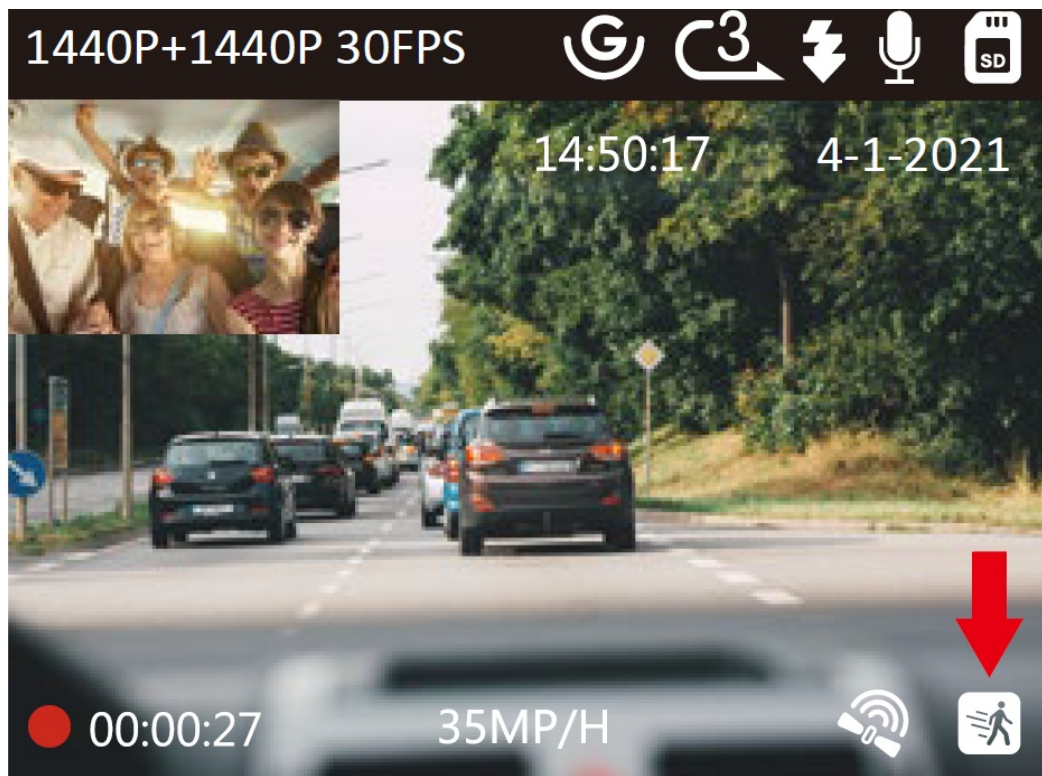
To manually activate Parking Mode, press and hold the button until the  icon appears on the center of screen.



NOTE: In Collision Detection + Motion Detection mode, if the dash cam is turned off manually, it will turn on and record once it detects any vibration.

Motion Detection Triggered

When the Motion Detection has been turned on, this is represented by an Motion Detection icon at the bottom right corner of the screen. If no movement is detected after 5 minutes of recording, there will be an orange P icon appears in the center of the screen which means Parking Mode is activated. Once the camera detects movement, 2 cameras will simultaneously start auto recording; they will stop recording after 30 seconds of inactivity.



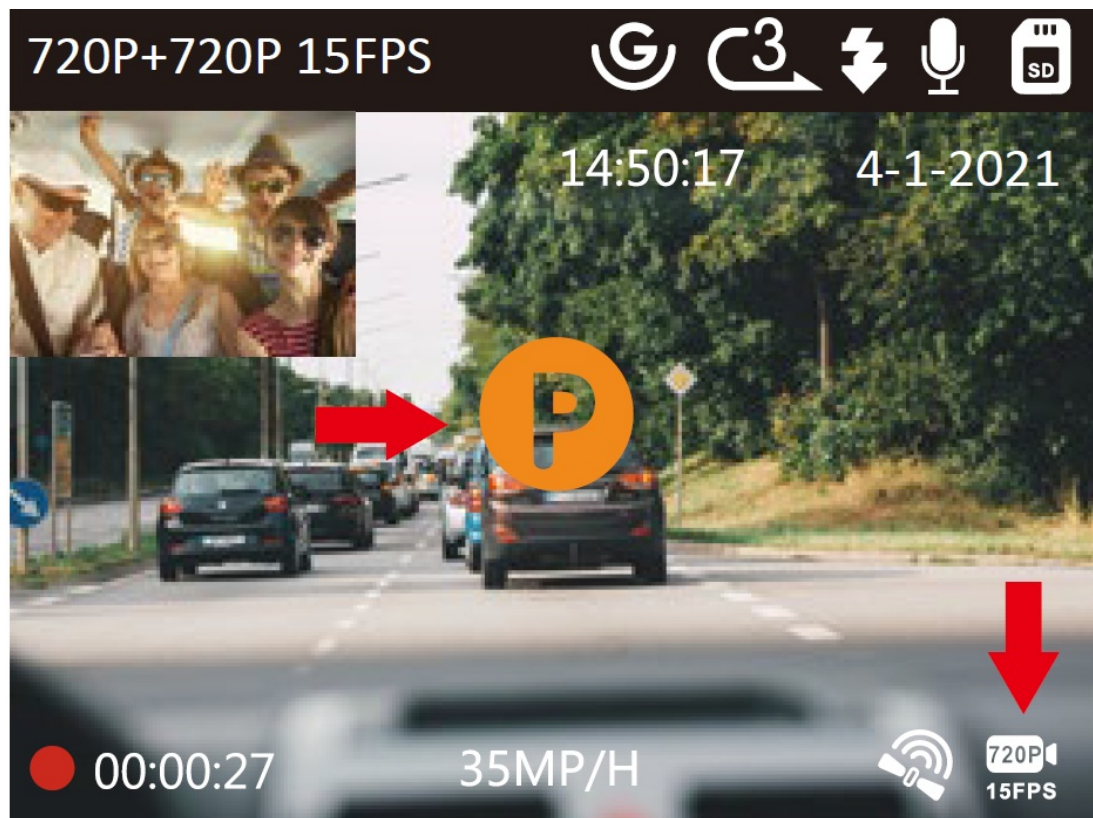
NOTE: In Motion Detection mode, if the dash cam is turned off manually, it will not turn on and record even it detects any vibration.

In Parking Mode, the camera will exit Parking Mode if it detects any vibration (Such as opening and closing the door, or moving the car from rest, or other impact vibrations can be triggered), and enter the Normal Video Mode. In Parking Mode, if you set the Auto LCD OFF to Auto, the camera's LCD will light off after 1 minute but the recording will continue with red light blinks on the Indicator light.

NOTE: Since it is a super capacitor dash cam, to ensure the camera is able to function in Parking Mode, please keep it powered with a power bank or hardwire it directly to the car battery. We do not recommend running the camera continuously for too long time.

Low Bitrates Recording

When the Low Bitrates Recording has been turned on, this is represented by a low Bitrates Recording icon at the bottom right corner of the screen. If no movement is detected after 5 minutes of recording, there will be an orange P icon appears in the center of the screen which means Parking Mode is activated. Once the camera enters Low Bitrates Recording, the dash cam will auto switch to 720P @15fps resolution and keep recording. For example: the single front mode will record video at 720P@15fps, and the dual recording mode will both record video at 720+720P@15fps. The camera will exit Low Bitrates Recording if it detects any vibration, and record at the selected resolution.



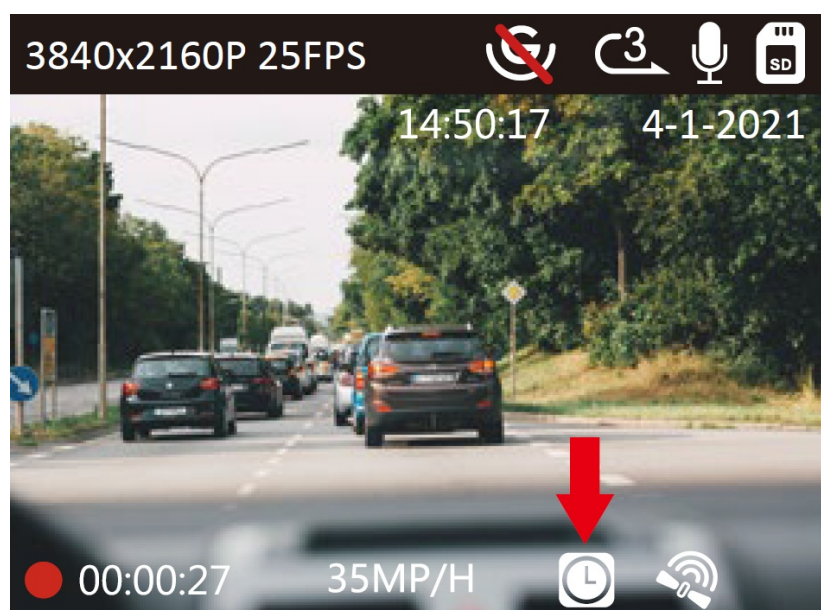
In Low Bitrates Recording, if the dash cam is turned off manually, it will not turn on and record even it detects any vibration.

In Time Lapse, the dash cam cannot enter the Low Bitrates Recording mode.

Time Lapse

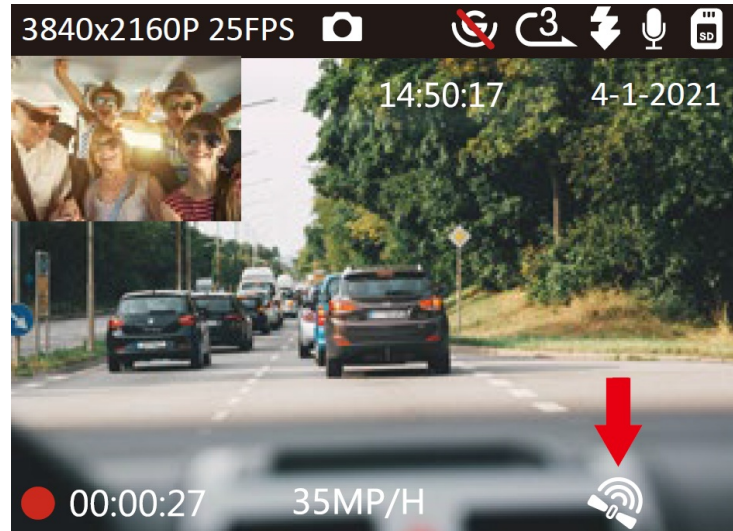
If Time Lapse is selected, the camera will take static photos at the set recording frame rate– either 1FPS, 5FPS, OFF – to create a video montage. For example, if you set Time Lapse 1FPS, the camera will take one photo every second, and then stitch the photos together into a 1 fps video. With a maximum recording frame rate of 5fps, recording 8 hours of video with Time Lapse 1Sec will generate a time lapse video lasting just 16 minutes (8x60x60/30/60). This Eco Mode is recommended for storage cards with smaller capacities.

[Real Recording Time = Time Lapse Video Time Length (Sec) x Video Frame Rate FPS / Time Lapse Option FPS]
When the camera is turned on again, it will record in time lapse recording mode.



GPS Function







1. Install the External GPS Mount onto the camera.
2. Plug the Type C USB Connector into the GPS Mount to power it.
3. Once charged, the camera will power on. Recording will commence if a microSD card has been inserted, just press the **OK** Button to stop recording.
4. Press the button to enter setup, go to "System Setup ">"GPS " to activate the camera's GPS function.
5. The GPS receiver will start to search for a GPS signal, once the GPS signal has been received, the GPS icon will be displayed on the screen.




6. You can include GPS tracking and vehicle speed on the video footage, go to "Record Setup">"Stamp">"GPS Location Stamp" and "Speed Stamp" to set.
7. You can review recorded video using the VANTRUE® GPS Viewer (available for download on www.vantrue.net).

Viewing Video on the Camera/Computer

Viewing files on camera



Press  and go to "Files", press **OK** and  or  button to navigate to >"Event" or >"Normal" or >"All" file folders to view and playback videos on the camera display. Use the  or  buttons to select the file and press **OK** button to playback/pause. During playback, and button to fast forward, press  button to resume playback speed.

Viewing files on a computer



1. Connect the camera to your computer using the supplied USB cable.
2. "USB Connecting" and "Power on" will be displayed on the camera screen, please select "Power on" and press  button to transfer data.
3. Depending on your computer OS, the device will appear either as a removable drive or a removable volume.

Delete Videos

Delete Event Files

- Go to Event file, playback the video on the dash cam, single press  the button, select Delete files then press  button to delete.

Delete Normal Files

- Go to Normal file, playback the video on the dash cam, single press  the button, select Delete files then press  button to delete.



Upgrading the Firmware

The system will automatically update if the micro SD card contains the firmware upgrade file. The camera will restart once the upgrade has been completed.

Always stay up-to-date

The latest firmware version is always available at the official VANTRUE website (www.vantrue.net). We strongly recommend registering your product (www.vantrue.net/register) to receive a notification email when a new firmware update is available.

Working Temperature

The camera is designed to operate in temperatures from 14° to 158°F (-10° to 70°C), temperatures outside this range risk degrading the camera's performance work and causing damage.

To avoid damage

- In hot weather, do not expose the camera directly to the sun when the car is parked.
- In extreme winter conditions, i.e. -4°F (-2°C) or lower, detach the camera from the windshield when not in use, and store in the glove box.

Specifications

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

Model	N2S	
Image Sensor	Front: Sony Inside: Sony	
Display	2.0 Inch TFT LCD (4:3)	
Lens	Front: 155° wide viewing angle, F/1.4 wide aperture. Rear: 165° wide viewing angle, F/1.8 wide aperture.	
Languages	English/Japanese/Deutsch/Italian/Spanish/French/ Russian/简体中文 (Simplified Chinese)	
Video	Front + Cabin Recording 1440P+1440P(30fps); 1440P+1080P(30fps); 1080P+1080P(30fps); 1080P+720P(30fps); 720P+1080P(30fps); 720P+720P(30fps);	Front Recording 3840Px2160P(30FPS); 2592Px1520P(30fps); 2560Px1440P(30fps); 1920Px1080P(30fps); 1280Px720P(30fps);
Image	JPEG format; 5MP/2MP	
Audio	Built-in microphone and speaker	
Memory Storage	Internal memory: 4MB External: Micro SD Card (32 to 512GB, Class 10)	
Shutter Type	Electronic	
USB Port	Type-C	
Power Source	Supercapacitor	
Working Temperature	14° to 158°F (-10° to 70°C)	
Storage Temperature	-4° to 176°F (-20° to 80°C)	
Compatible OS	Windows XP/Vista/7/8/10 & Mac OS	

Warranty & Support

Warranty

The VANTRUE® OnDash N2S Dual Dash Cam comes with a full 12 months warranty. If you register your product on our official site(www.vantrue.net/register), you can extend the warranty to 18 months.

Support

If you have any questions regarding your product, please do not hesitate to contact us at support@vantrue.net, or drop us a message through the live chat box at www.vantrue.net. Queries are typically answered within 12- 24hours.

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.

Thank you for choosing VANTRUE!

Documents / Resources



[Vantrue OnDash N2S Dual Dash Cam](#) [pdf] User Manual

OnDash N2S Dual Dash Cam, OnDash N2S, Dual Dash Cam, Dash Cam, Cam

References

- [The domain name True.net is for sale](#)
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- [Wsparcie | VANTRUE POLSKA - Kamery samochodowe premium](#)
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