

VANTRUE N2S

Vantrue N2S Dash Cam User Manual

Model: N2S | Brand: VANTRUE

1. PRODUCT OVERVIEW

The Vantrue N2S is a high-performance dual dash camera designed to capture both the road ahead and the vehicle's interior. It offers versatile recording options, advanced night vision capabilities, and essential safety features to provide comprehensive protection for your vehicle.



Figure 1.1: Vantrue N2S Dash Cam with GPS Suction Cup Mount.

Key features include 4K single front recording or dual 2.5K (1440P+1440P) recording for simultaneous front and cabin views. Its Super IR Night Vision ensures clear footage in low-light conditions, while the built-in GPS tracks your route, speed, and location. The 24/7 Parking Mode offers continuous surveillance through low bitrate recording, motion detection, and collision detection. Emergency recordings are automatically locked and saved upon impact, thanks to the integrated G-sensor.

2. WHAT'S IN THE BOX

Upon unboxing your Vantrue N2S Dash Cam, verify that all the following components are included:

- N2S Main Camera (Front and Inside)
- GPS Suction Cup Mount
- Car Charger
- Type C USB Data Cable

- User Manual

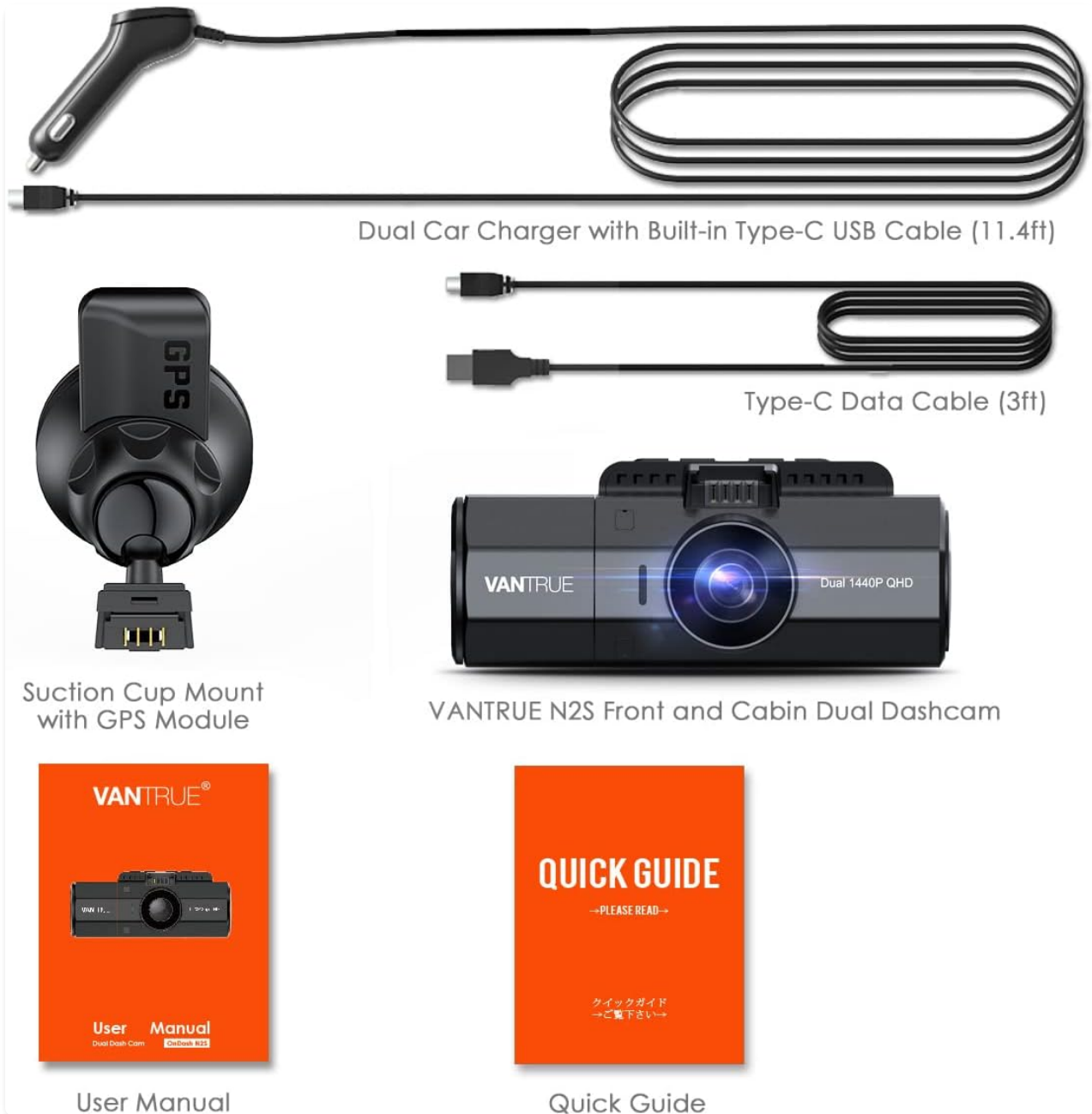


Figure 2.1: Included components of the Vantrue N2S Dash Cam package.

3. SETUP AND INSTALLATION

Proper installation ensures optimal performance and reliable recording. Follow these steps to set up your Vantrue N2S Dash Cam:

1. **Attach the GPS Suction Cup Mount:** Securely attach the GPS suction cup mount to a clean, dry area on your vehicle's windshield, ideally behind the rearview mirror to avoid obstructing your view. Ensure the mount is firmly in place.
2. **Connect the Dash Cam to the Mount:** Slide the Vantrue N2S main camera onto the GPS suction cup mount until it clicks securely into place. The camera is designed for easy attachment and detachment from the mount.
3. **Power Connection:** Connect the Type C USB data cable to the camera and then to the provided car

charger. Plug the car charger into your vehicle's 12V cigarette lighter socket. For 24/7 parking mode functionality, a hardwire kit (sold separately) is recommended to provide continuous power.

4. **Insert MicroSD Card:** Insert a compatible microSD card (up to 256GB, not included) into the designated slot on the side of the dash cam. Ensure the card is inserted correctly until it clicks. It is recommended to format the microSD card within the camera settings before first use.
5. **Adjust Camera Angle:** Power on the dash cam and adjust the camera's angle to ensure a clear view of the road ahead and the vehicle's interior. The live preview on the screen will assist in proper alignment.

Video 3.1: Official Vantrue N2S Dual 1440P Dash Cam overview and installation demonstration. This video provides a visual guide to the camera's features and how to install it in your vehicle.

4. OPERATING MODES AND FEATURES

4.1 Recording Modes

The Vantrue N2S offers flexible recording options to suit your needs:

- **4K Single Front Recording:** Captures the road ahead in stunning 3840x2160P at 25 frames per second (fps), providing exceptional detail for license plates and road signs.
- **2.5K 1440P Dual Recording:** Simultaneously records both the front and interior of your vehicle at 2560x1440P at 30fps, ideal for rideshare drivers or family road trips.



4K



OTHERS













2 RECORDING MODE

- **4K Single Front Recording**
Capturing high resolution details ahead of the car at 3840x2160P 25fps
- **2.5K 1440P Dual Recording**
Simultaneously record front and inside clearly at 2560x1440P 30fps

Figure 4.1: Illustration of 4K single front recording and 2.5K 1440P dual recording modes.

4.2 Super IR Night Vision

Equipped with dual advanced sensors, large apertures (F1.4 for front, F1.8 for inside), 6-glass lenses, and 4 IR LEDs, the N2S provides superior night vision. The infrared lights ensure clear recording of passengers even in complete darkness.

Cabin
Front

Super Night Vision with 4 IR Lights

Capturing a more clear view inside and outside of the vehicle even in the dark condition.

Dual 1440P QHD

4 Infrared LED

Dual Sony STARVIS Sensor

F1.4 Front Aperture

F1.8 Inside Aperture

Super Night Vision

Figure 4.2: Demonstration of Super Night Vision with 4 IR Lights for clear recording in dark conditions.

4.3 Built-in GPS

The integrated GPS module allows for live speed display (KM/H or MP/H) on the dash cam. When reviewing footage on a computer using the Vantrue GPS player (Windows and Mac compatible), you can playback videos with detailed route, speed, and location information, crucial for accident evidence.



Figure 4.3: Visual representation of built-in GPS functionality and live speed display.

4.4 24/7 Parking Mode

The N2S offers continuous surveillance even when your vehicle is parked. This mode can be activated via:

- **Low Bitrate Recording:** Records continuously at 720P+720P@15fps for extended periods, saving memory space.
- **Motion Detection:** Automatically starts recording in 2.5K (2560x1440P) when movement is detected in front of or inside the vehicle.
- **Collision Detection:** Instantly begins recording in 2.5K (2560x1440P) upon detecting a collision.

For 24/7 parking mode, the dash cam must be hardwired or connected to an external battery.

24 HOURS

Front & Inside Parking Monitor

Dual dash camera auto start recording once it detects movement or collision in front or cabin of the vehicle.



24HOURS DUAL PARKING MODE

- Motion detection & Collision Detection Dual Parking Mode
- **Must be hardwired(Hardwire Kits Asin: B083XB8T7T) or connect to an external battery.**

Figure 4.4: Overview of the 24-hour parking monitor with collision, motion, and low bitrate recording options.

4.5 Emergency Recording (G-Sensor)

In the event of a collision, the adjustable G-sensor automatically detects the impact and locks the current video footage into a dedicated event folder. This prevents the footage from being overwritten by loop recording, ensuring critical evidence is preserved.



ESSENTIAL WITNESS FOR ACCIDENTS

G-sensor with collision detection locks video to event folder following impact, which offer you essential proof for accidents and insurance claims.

Figure 4.5: Illustration of the G-sensor's role in locking video footage during an accident.

5. MAINTENANCE

To ensure the longevity and optimal performance of your Vantrue N2S Dash Cam, consider the following maintenance tips:

- **MicroSD Card Management:** Regularly format your microSD card (at least once a month) to prevent data corruption and ensure smooth loop recording. Use high-endurance microSD cards from reputable brands.
- **Temperature Resistance:** The dash cam features a supercapacitor, allowing it to withstand extreme temperatures from 14°F to 158°F (-10°C to 70°C). This design minimizes the risk of overheating and

explosion, enhancing durability.

- **Lens Cleaning:** Periodically clean the camera lenses with a soft, lint-free cloth to ensure clear video quality. Avoid abrasive materials that could scratch the lenses.
- **Firmware Updates:** Check the Vantrue official website for the latest firmware updates. Keeping your firmware up-to-date can improve performance, add new features, and resolve potential issues.

6. TROUBLESHOOTING

If you encounter any issues with your Vantrue N2S Dash Cam, try the following basic troubleshooting steps:

- **Camera Not Powering On:** Ensure the car charger is properly connected to both the dash cam and the vehicle's 12V socket. Check if the vehicle's 12V socket is functioning.
- **Recording Issues:** Verify that a compatible microSD card is inserted and properly formatted. If the card is full, ensure loop recording is enabled or format the card. Try a different microSD card if issues persist.
- **Poor Video Quality:** Clean the camera lenses. Ensure the protective film has been removed from the lenses. Check settings for resolution and WDR (Wide Dynamic Range) to optimize for lighting conditions.
- **GPS Not Working:** Ensure the GPS suction cup mount is securely attached and has a clear view of the sky. Check the GPS settings in the camera menu.
- **Parking Mode Not Activating:** Confirm that the dash cam is hardwired or connected to a continuous power source. Check parking mode settings (Low Bitrate, Motion Detection, Collision Detection) for proper configuration.

For more detailed troubleshooting or persistent issues, please refer to the comprehensive user manual or contact Vantrue customer support.

7. SPECIFICATIONS

Feature	Description
Product Dimensions	1.73 x 4.2 x 3.54 inches
Item Weight	1.44 pounds
Item Model Number	N2S
Video Capture Resolution	2160p (4K Single Front), 1440p (2.5K Dual Front and Inside)
Connectivity Technology	Type C USB Cable
GPS	Built-in GPS

Special Features	Parking Monitor, 4K, Easy to Install, Front and Inside 2-Channel, Time Lapse, Low Bitrate Mode, Motion Detection, No Wi-Fi, Built-In Supercapacitor, Built-In Microphone, Built-In GPS
Mounting Type	Windshield Mount
Operating Temperature	14°F to 158°F (-10°C to 70°C)
MicroSD Card Support	Up to 256GB (Vantrue microSD card recommended)

8. WARRANTY AND CUSTOMER SUPPORT

Vantrue is committed to providing high-quality products and excellent customer service. Your N2S Dash Cam comes with:

- **18-Month Quality Assurance:** Enjoy peace of mind with an extended warranty period.
- **Lifetime Customer Support:** Vantrue offers dedicated support for the lifetime of your product.

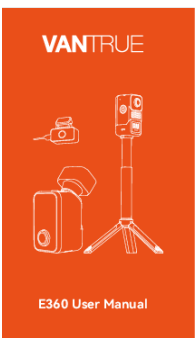

Should you have any questions, concerns, or require assistance, please do not hesitate to contact Vantrue customer support:



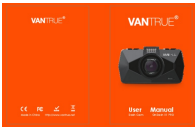

Email: support@vantrue.net

Phone: 510-666-4086

Firmware updates are continuously released to improve features and performance. Please visit the official Vantrue website for the latest updates and support resources.

Related Documents - N2S

 <p>E360 User Manual</p>	<p>Vantrue E360 User Manual: Installation, Features, and Support</p> <p>Comprehensive user manual for the Vantrue E360 5.2K 360° panoramic dash cam. Learn about installation, component overview, menu functions, drive and handheld recording modes, WiFi connectivity, app features, parking modes, firmware updates, and support.</p>
	<p>VANTRUE OnDash N2S Dual Dash Cam User Manual</p> <p>Comprehensive user manual for the VANTRUE OnDash N2S Dual Dash Cam, covering installation, operation, settings, specifications, and support information.</p>

 <p>The cover of the VANTRUE N5 4-channel Voice Controlled Smart Dash Cam User Manual. It features the VANTRUE logo at the top, followed by the product name. Below is an image of the dash cam. At the bottom, it says 'User Manual' and 'Nexus 5 (N5)'.</p>	<p>VANTRUE N5 4-Channel Voice Controlled Smart Dash Cam User Manual</p> <p>A comprehensive guide to the VANTRUE N5 4-channel smart dash cam, covering installation, setup, features like voice control and GPS, operation, specifications, safety warnings, and warranty information.</p>
 <p>The cover of the VANTRUE E360 Dash Cam User Manual. It features the VANTRUE logo at the top, followed by the product name. Below is an image of the dash cam on a tripod. At the bottom, it says 'E360说明书'.</p>	<p>VANTRUE E360 Dash Cam User Manual - Installation, Features, and Settings</p> <p>Comprehensive user manual for the VANTRUE E360 dash cam. Learn about installation, features like loop recording, parking mode, voice control, and app connectivity. Get detailed specifications and support.</p>
 <p>The cover of the VANTRUE OnDash X1 Pro Dash Cam User Manual. It features the VANTRUE logo at the top, followed by the product name. Below is an image of the dash cam. At the bottom, it says 'User Manual' and 'Nexus 5 (N5)'.</p>	<p>VANTRUE OnDash X1 Pro Dash Cam User Manual</p> <p>Comprehensive user manual for the VANTRUE OnDash X1 Pro Dash Cam, covering setup, operation, features like loop recording, parking mode, time lapse, and troubleshooting.</p>
 <p>The cover of the VANTRUE N5 4-channel Voice Controlled Smart Dash Cam User Manual. It features the VANTRUE logo at the top, followed by the product name. Below is an image of the dash cam. At the bottom, it says 'User Manual' and 'Nexus 5 (N5)'.</p>	<p>Vantrue N5 User Manual: 4-channel Voice Controlled Smart Dash Cam</p> <p>Comprehensive user manual for the Vantrue N5 4-channel voice-controlled smart dash cam, detailing installation, operation, features, specifications, safety, and support.</p>