

OMBAR N1

OMBAR N1 4K+2.5K Rear View Mirror Dash Cam User Manual

Model: N1

1. INTRODUCTION

The OMBAR N1 is a high-performance rear view mirror dash camera system designed to enhance driving safety and provide comprehensive video recording. It features dual cameras for front 4K and rear 2.5K recording, advanced driver-assistance systems (ADAS), blind spot detection (BSD), lane change assist (LCA), GPS tracking, parking monitoring, and Wi-Fi connectivity for easy file management.



Image 1.1: OMBAR N1 Mirror Dash Cam and companion mobile application interface.

2. PACKAGE CONTENTS

Please verify that all items listed below are included in your package. If any items are missing or damaged, please contact customer support.

3 Emergency Recording Methods

Multiple methods are available to ensure that your current 1/2/3-minute loop video is not overwritten, providing full security for your travels.



Automatic Locking



Voice Control



Manual Locking

Image 2.1: All components included in the OMBAR N1 Mirror Dash Cam package.

- 1 x OMBAR N1 4K Mirror Dash Cam

- 1 x 2.5K Rear Camera with Screws and Adhesive Mount
- 1 x 12ft Type-C Power Cable with Car Charger
- 1 x 20ft Rear Camera Cable
- 1 x External GPS Antenna
- 1 x 64GB MicroSD Card
- 1 x Anti-Glare Protective Film
- 1 x OMBAR User Manual
- 5 x Cable Clips
- 4 x Straps
- 1 x Pry Tool
- 1 x Cleaning Wipes

3. SETUP AND INSTALLATION

3.1. Mounting the Dash Cam

1. **Attach to Rear View Mirror:** Secure the N1 Mirror Dash Cam over your existing rear view mirror using the provided straps. Ensure it is firmly attached and centered for optimal viewing.
2. **Adjust Front Camera Lens:** The front camera lens can be adjusted to capture the desired field of view.

3.2. Installing the Rear Camera

1. **Choose Mounting Location:** Install the rear camera on the rear windshield or near the license plate. Ensure the view is unobstructed.
2. **Connect Rear Camera Cable:** Route the 20ft rear camera cable from the main dash cam unit to the rear camera. Connect the cable securely.
3. **Adjust Rear Camera View:** The rear camera display can be adjusted for mirror flip and vertical flip settings to match your installation orientation.

Why You Need a Dash Cam



Deter Theft and Protect Your Vehicle

Dash cams act as a visible crime deterrent, safeguarding your car and belongings from theft or vandalism.



Document Your Road Trips in Stunning Detail

Capture scenic drives and memorable moments with 4K resolution and GPS tagging, turning everyday commutes into shareable adventures.



Resolve Disputes with Confidence

Video evidence from parking incidents or driving scenarios helps settle insurance claims and legal issues swiftly and fairly.



Drive Smarter, Safer

Advanced safety features like collision alerts (ADAS), blind-spot detection (BSD), and lane departure warnings (LCA) actively reduce accident risks.

Image 3.1: Adjustable rear camera display options for mirror and vertical flipping.

3.3. Connecting Power and GPS

1. **Insert MicroSD Card:** Insert the provided 64GB MicroSD card into the designated slot on the dash cam.
2. **Connect GPS Antenna:** Plug the external GPS antenna into the dash cam and mount it on the dashboard or windshield where it has a clear view of the sky.
3. **Power Connection:** Connect the Type-C power cable to the dash cam and plug the car charger into your vehicle's 12V power outlet.

3.4. Applying Anti-Glare Protective Film

The anti-glare protective film helps minimize reflections and enhances contrast for improved visibility. Carefully apply the film to the dash cam screen, ensuring no air bubbles.

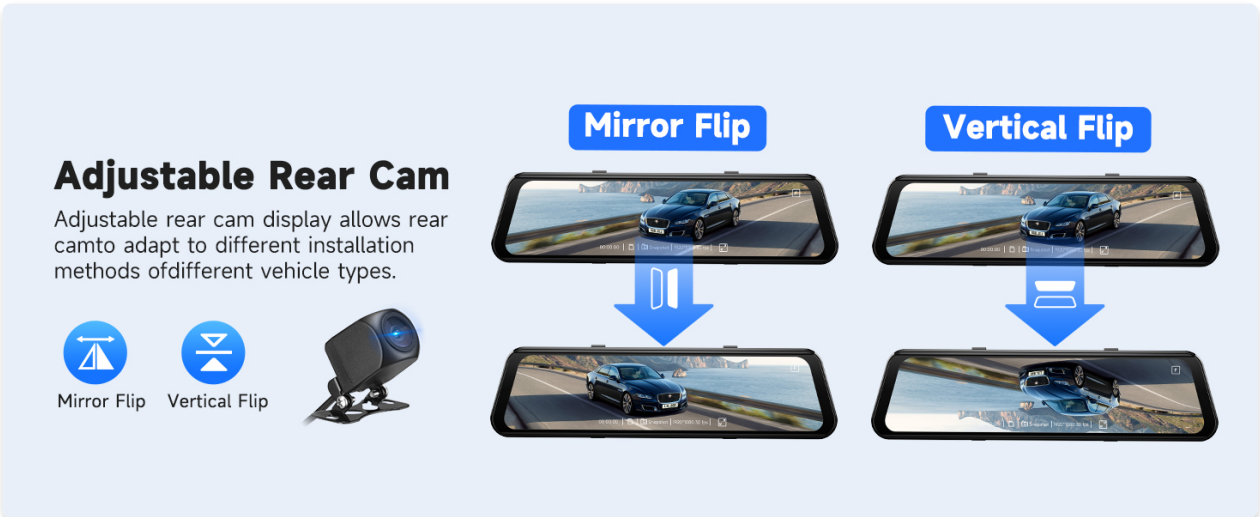


Image 3.2: The anti-glare protective film reduces reflections and improves screen clarity.

4. OPERATING INSTRUCTIONS

4.1. Basic Operation

- **Power On/Off:** The dash cam will automatically power on and begin recording when the vehicle starts, and power off when the ignition is turned off.
- **Screen Display:** The 12-inch IPS display provides a wide field of view. Brightness, lens angle, and field of view can be adjusted via the touchscreen interface.

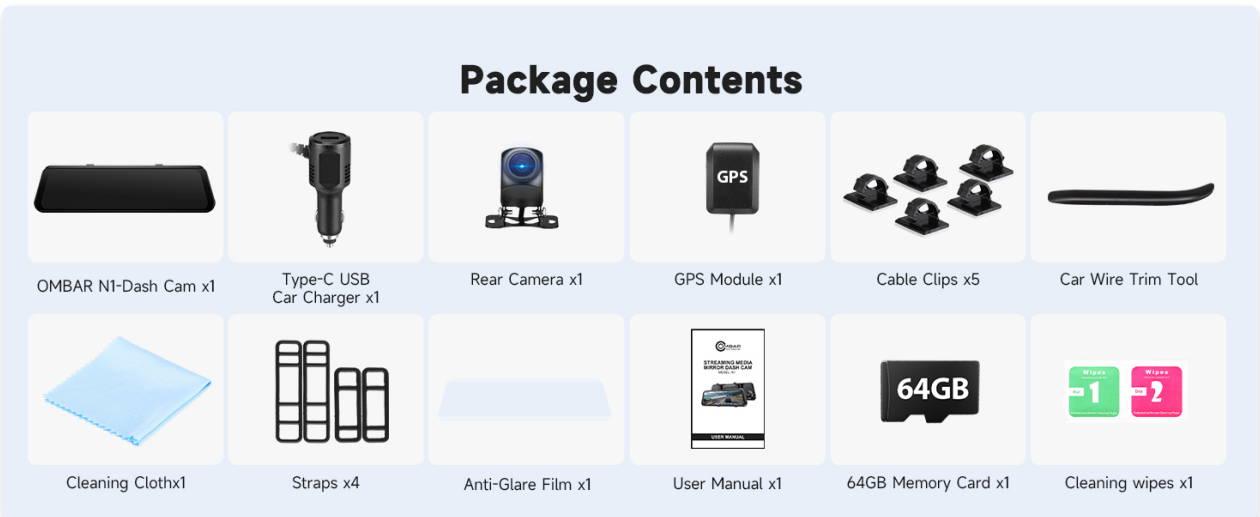


Image 4.1: Adjustable screen settings for optimal viewing experience.

4.2. Recording Modes

- **Loop Recording:** The dash cam records video in segments (1, 3, or 5 minutes). When the MicroSD card is full, the oldest unlocked recordings are automatically overwritten.
- **Emergency Recording:** In case of a collision, the built-in G-sensor automatically locks the current video segment to prevent it from being overwritten. This can also be triggered manually or via voice command.



Image 4.2: Emergency recording methods ensure critical footage is saved.

4.3. Parking Monitor

The 24-hour parking monitor provides surveillance when your vehicle is parked. This feature requires a hardwire kit (sold separately, ASIN: B0DQK1QW7ZM) for continuous power.



Image 4.3: The 24-hour parking monitor provides security for your vehicle.

4.4. Voice Control

The dash cam supports various voice commands for hands-free operation. Examples include "Take photo," "Start recording," "Turn on WiFi," "Turn off display," and "Show rear camera."

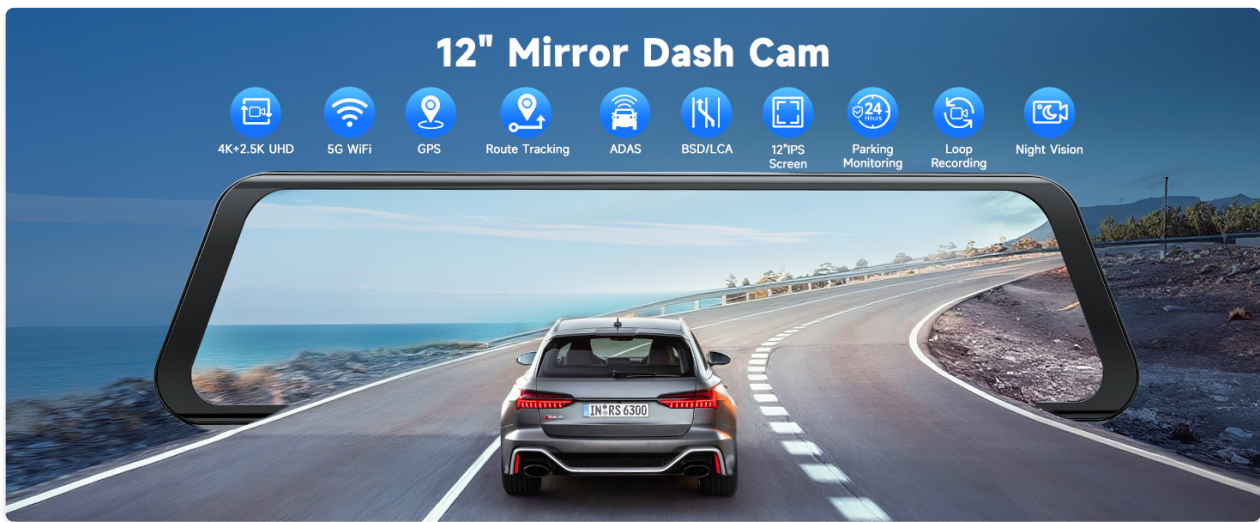


Image 4.4: Voice control allows for hands-free operation of the dash cam.

4.5. Wi-Fi and App Control

Connect the dash cam to your smartphone via 5.8GHz Wi-Fi using the OMBAR app. This allows for live viewing, downloading, and sharing of recorded footage. The Wi-Fi range is approximately 25ft (about 1.5 parking spaces) and does not support remote live view.

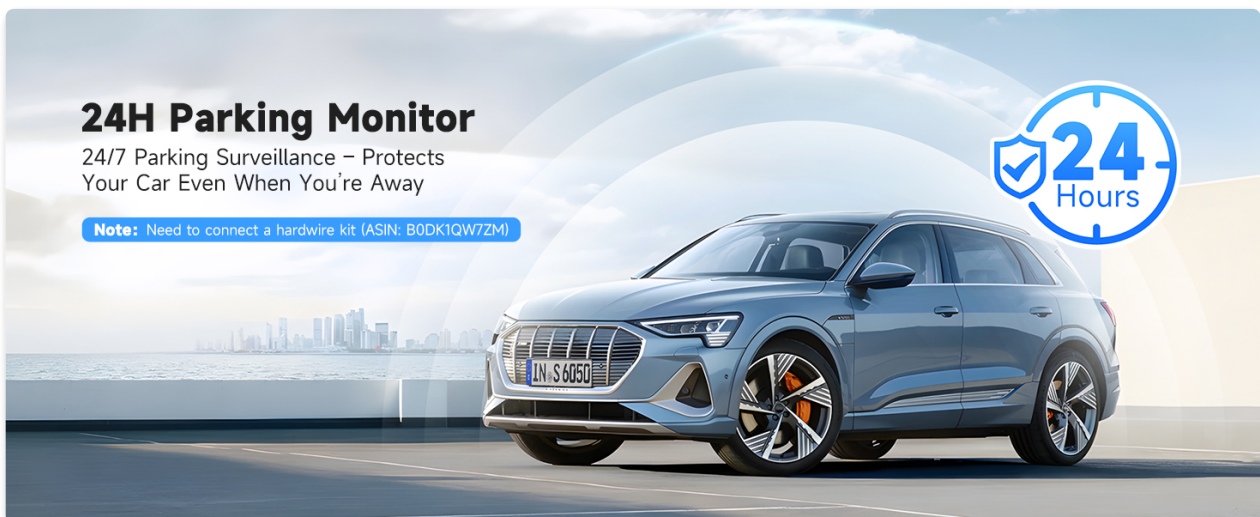


Image 4.5: The OMBAR app facilitates video management via 5.8GHz Wi-Fi.

5. ADVANCED FEATURES

5.1. ADAS (Advanced Driver Assistance System)

The ADAS feature provides real-time alerts to help prevent accidents. This includes:

- **Forward Collision Warning:** Alerts when approaching a vehicle too quickly.
- **Lane Departure Warning:** Notifies if the vehicle drifts out of its lane.
- **Pedestrian Collision Warning:** Detects pedestrians in the vehicle's path.
- **Forward Vehicle Start Warning:** Alerts when traffic ahead begins to move.
- **Close Range Warning:** Warns of objects in close proximity.

ADAS (Advanced Driver Assistance System) Safety Features

ADAS Alerts – Lane Departure Warnings,
Collision Alerts, Safer Drives.



Image 5.1: ADAS provides multiple safety alerts for a safer driving experience.

5.2. BSD (Blind Spot Detection) & LCA (Lane Change Assist)

These features provide 360° protection by monitoring your vehicle's sides and rear for approaching vehicles.

- **Blind Spot Detection:** Alerts to vehicles in your blind spots.
- **Lane Change Assist:** Warns if a lane change is unsafe due to approaching vehicles.

BSD (Blind Spot Detection) **& LCA (Lane change Assist)**

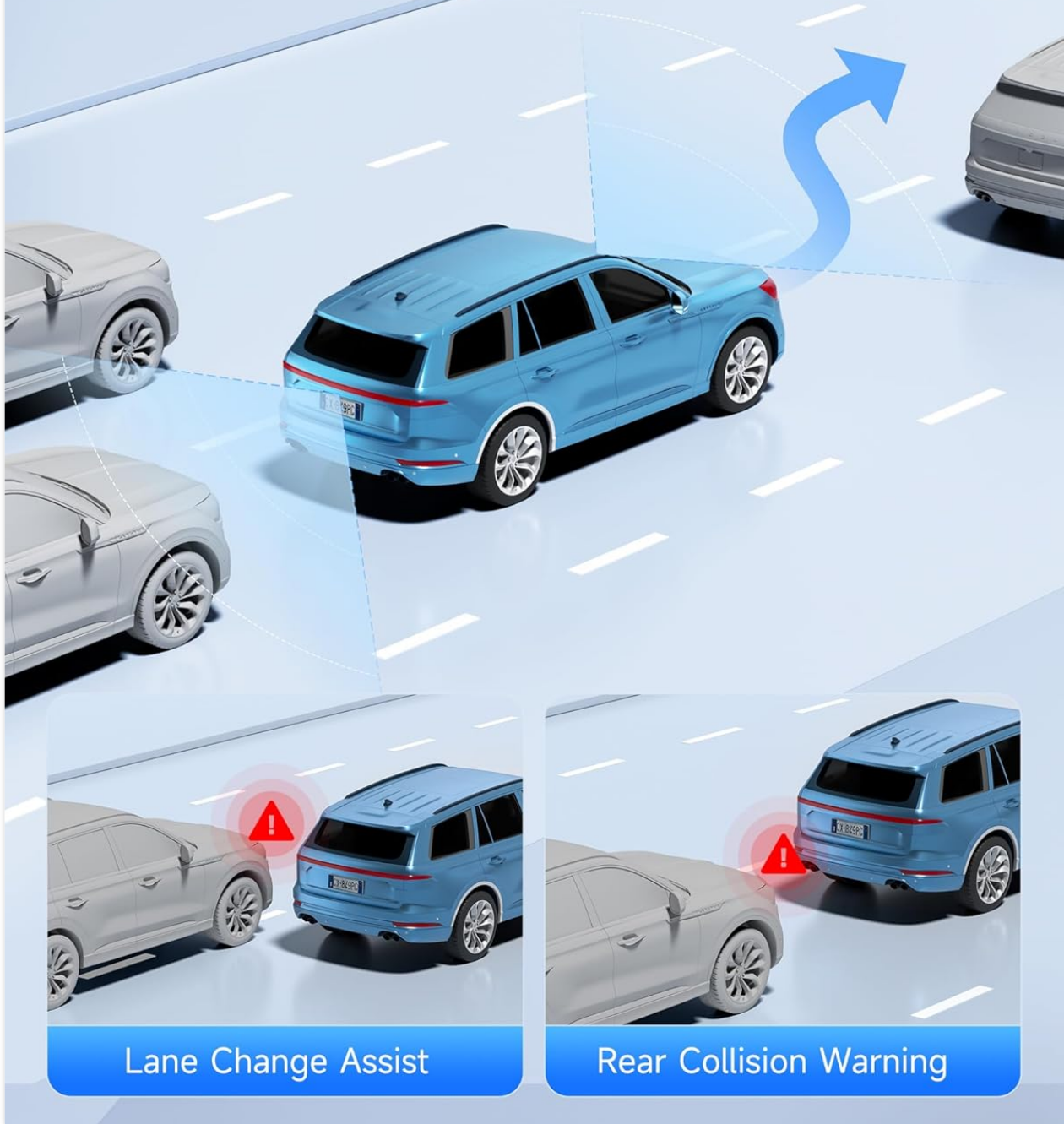


Image 5.2: BSD and LCA provide warnings for vehicles in blind spots and during lane changes.

5.3. Built-in GPS & Route Tracking

The integrated GPS module records your driving route, speed, and location data, which can be reviewed via the OMBAR app or dedicated PC software.



Image 5.3: GPS tracking records route and speed data for review.

5.4. Night Vision

Advanced HDR technology and sensor capabilities ensure clear video recording even in low-light conditions, capturing details like license plates at night.



Image 5.4: Night vision capabilities provide clear footage in low-light environments.

6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the dash cam screen and lenses. Avoid abrasive cleaners.
- **MicroSD Card Care:** Format the MicroSD card regularly (e.g., once a month) to ensure optimal performance and prevent data corruption. Use only high-quality MicroSD cards.
- **Firmware Updates:** Check the OMBAR website or app periodically for firmware updates to ensure your dash cam has the latest features and improvements.

7. TROUBLESHOOTING

| Problem | Possible Cause | Solution |
|-----------------------------|---|--|
| Dash cam does not power on. | No power supply; faulty cable. | Check power cable connection to car charger and dash cam. Ensure car's 12V outlet is functional. |
| Recording stops or freezes. | MicroSD card full or corrupted; low-quality MicroSD card. | Format the MicroSD card. Replace with a high-speed, high-endurance MicroSD card if issues persist. |
| GPS signal not found. | GPS antenna obstructed or disconnected. | Ensure GPS antenna is mounted with a clear view of the sky and securely connected. |
| Wi-Fi connection issues. | Incorrect password; out of range. | Verify Wi-Fi password. Ensure device is within 25ft of the dash cam. |
| Screen is too dark/bright. | Brightness settings. | Adjust screen brightness via the touchscreen settings. |

8. SPECIFICATIONS

| Feature | Detail |
|-------------------------|---|
| Model Name | N1 |
| Front Camera Resolution | 4K (3840x2160) @ 30fps |
| Rear Camera Resolution | 2.5K (2560x1440) @ 30fps |
| Display | 12-inch IPS Touch Screen |
| Connectivity | 5.8GHz Wi-Fi, USB, Memory SD Card |
| Special Features | Built-In WiFi, Built-In GPS, G-Sensor, ADAS, Blind Spot Detection, Lane Change Assist, Parking Monitor, Reverse Assist, Touch Screen, App Control, Voice Control, Loop Recording, Built-In Microphone, Built-In Speaker, Built-In Supercapacitor, HDR, Night Vision |
| Storage | Supports MicroSD card (64GB included) |
| Operating Temperature | -20°F to 176°F (-28°C to 80°C) |
| Product Dimensions | 0.1 x 0.5 x 0.5 inches |
| Item Weight | 2.38 pounds |

| Feature | Detail |
|----------------------|--------------------------|
| Mounting Type | Rearview Mirror Mount |
| Vehicle Service Type | Bus, Car, Minivan, Truck |

OMBAR APP **FREE**

Download on the App Store GET IT ON Google Play






Watch, Relive, Download, and share Your Dash Cam Videos with Ease!

- › No need to always connect to WiFi while using. Support cell phone to view the map track
- › The dash cam will automatically record when plugged into power (Must be always plugged into the cigarette lighter).
- › WiFi has an effective distance of 25ft (about 1.5 parking spaces) and does not support remote live view.

Image 8.1: The dash cam is designed for reliable operation in extreme temperatures.

9. WARRANTY AND SUPPORT

- **Warranty:** The OMBAR N1 Mirror Dash Cam comes with a 1-year manufacturer's warranty.
- **Return Policy:** A 30-day return policy is applicable from the date of purchase.
- **Customer Support:** For technical assistance or warranty claims, please contact OMBAR customer support at support@ombars.com. Support is typically available within 24 hours.

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|---|--|
|  | <p>OMBAR DC100 Dash Cam User Manual</p> <p>Comprehensive user manual for the OMBAR DC100 dash cam, covering setup, features, operation, and troubleshooting. Learn how to install, connect to your smartphone, and utilize all functions for optimal driving safety and recording.</p> |
|  | <p>OMBAR T2 4K Dash Cam User Manual: Installation, Features, and Operation Guide</p> <p>This comprehensive user manual for the OMBAR T2 4K Dash Cam provides detailed instructions on installation, setup, features like 4K recording, night vision, GPS, Wi-Fi connectivity, parking modes, and troubleshooting. Learn how to optimize your driving experience with this advanced vehicle recorder.</p> |
|  | <p>DDPAI N1 Dual Dash Cam User Manual</p> <p>Comprehensive user manual for the DDPAI N1 Dual dash cam, detailing installation, features, functions, and safety instructions for optimal use.</p> |
|  | <p>VANTRUE N1 PRO Dash Cam User Manual</p> <p>Comprehensive user manual for the VANTRUE N1 PRO Dash Cam, covering setup, installation, basic operation, and system settings. Learn how to install the memory card, mount the device, and configure recording preferences.</p> |
|  | <p>Ombar Hardwire Kit Owner's Manual - Installation and Features</p> <p>Comprehensive owner's manual for the Ombar Hardwire Kit, detailing its features, voltage adjustment capabilities, low voltage protection, and step-by-step installation guide for vehicle dashcams.</p> |



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ADP

[VANTRUE N1 PRO Dash Cam User Manual](#)

Comprehensive user manual for the VANTRUE N1 PRO dash cam, covering setup, features, and basic operations. Learn how to install, charge, and use your dash cam for optimal performance.