

Nor-Tec ONBOARD_CAMERA

Nor-Tec Full HD Dash Camera (Model ONBOARD_CAMERA) User Manual

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Nor-Tec Full HD Dash Camera, Model ONBOARD_CAMERA. Please read this manual thoroughly before using the device to ensure proper functionality and to prevent damage.

The Nor-Tec Full HD Dash Camera is designed to record video footage while driving, offering a clear view of the road ahead. It features a 2.4-inch HD screen, 1080p Full HD video recording, and infrared night vision capabilities.

2. PRODUCT OVERVIEW

2.1. Package Contents

Ensure all items are present in the package:

- Nor-Tec Full HD Dash Camera
- Car Mount (Suction Cup)
- Car Charger (DC-1, 12V~24V input)

Note: A Micro SD card is required for recording and is not included in the package. Please purchase a compatible Micro SD card (Class 10 or higher, up to 32GB recommended) separately.

2.2. Device Layout



Figure 1: Front view of the Nor-Tec Full HD Dash Camera with its suction cup mount attached. The camera lens is visible at the center, with "FULL HD CAR DVR 1080P" printed on the front panel.



Figure 2: Rear view of the Nor-Tec Full HD Dash Camera, showing the 2.4-inch HD display screen and the control buttons located below it. The buttons are used for menu navigation and operation.

The dash camera features a front-facing lens, a 2.4-inch HD display on the rear, and control buttons for navigating menus and operating functions. It also includes an internal microphone and speaker.

3. SETUP

3.1. Inserting the Micro SD Card

1. Locate the Micro SD card slot on the side of the dash camera.
2. Gently insert the Micro SD card (Class 10 or higher, up to 32GB) into the slot until it clicks into place. Ensure the card is inserted in the correct orientation.
3. To remove, gently push the card inward until it clicks, then release to eject.

Important: Format the Micro SD card within the camera's settings before first use and periodically thereafter to ensure optimal performance and prevent data corruption.

3.2. Installing the Dash Camera

1. Clean the desired area on your windshield where the camera will be mounted. Ensure it does not obstruct your view.
2. Attach the suction cup mount to the dash camera.
3. Press the suction cup firmly against the windshield and flip the lever to secure it.
4. Adjust the camera angle to ensure a clear view of the road.



Figure 3: The Nor-Tec Full HD Dash Camera connected to its car charger, illustrating the power connection for in-vehicle use.

3.3. Power Connection

1. Connect the car charger to the dash camera's power input port.
2. Plug the other end of the car charger into your vehicle's 12V-24V power outlet (cigarette lighter socket).
3. The camera will typically power on automatically when the vehicle's ignition is turned on and begin recording.

4. OPERATING INSTRUCTIONS

4.1. Powering On/Off

- **Automatic:** The camera powers on and off automatically with the vehicle's ignition when connected to the car charger.
- **Manual:** Press and hold the Power button (refer to Figure 2 for button location) for a few seconds to manually power on or off the device.

4.2. Video Recording

- Once powered on, the camera typically starts recording automatically. A recording indicator (e.g., a flashing red dot) will appear on the screen.
- Recordings are saved in AVI format to the Micro SD card.
- The camera features loop recording, which means when the SD card is full, it will automatically overwrite the oldest files.
- To manually stop/start recording, press the OK button (or designated recording button).

4.3. Taking Photos

To switch to photo mode, press the Mode button. Then, press the OK button to capture a still image. Photos are saved in JPG format.

4.4. Menu Navigation

Use the Up/Down arrow buttons to navigate through menu options. Press the OK button to select an option and the Mode button to exit a menu or return to the previous screen.

4.5. Infrared Night Vision

The camera is equipped with an infrared night vision function to enhance recording quality in low-light conditions. This feature typically activates automatically when ambient light levels are low.

4.6. Screen Saver

An integrated screen saver function can be enabled in the settings to turn off the display after a set period, reducing distraction while driving. Recording continues in the background.

5. MAINTENANCE

5.1. Cleaning the Device

- Use a soft, dry cloth to clean the camera body and screen.
- For the lens, use a specialized lens cleaning cloth to avoid scratches. Do not use abrasive cleaners or solvents.

5.2. Micro SD Card Management

- **Formatting:** Regularly format the Micro SD card (at least once a month) through the camera's menu to maintain optimal recording performance and prevent file corruption.
- **Replacement:** If the Micro SD card shows signs of degradation (e.g., recording errors, slow performance), replace it with a new, high-quality card.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Camera does not power on.	No power supply; faulty car charger; depleted internal battery.	Check car charger connection and vehicle's power outlet. Ensure the car charger is functional. Charge the internal battery if attempting manual power-on without external power.
Camera stops recording or does not record.	Micro SD card full; Micro SD card error; faulty Micro SD card.	Format the Micro SD card. Replace the Micro SD card if errors persist. Ensure a Class 10 or higher card is used.
Poor video/image quality, especially at night.	Dirty lens; insufficient lighting; limitations of infrared night vision.	Clean the camera lens. While infrared night vision enhances low-light recording, extreme darkness or glare can still affect quality. Ensure no obstructions are blocking the lens.

Problem	Possible Cause	Solution
Camera freezes or malfunctions.	Software glitch; Micro SD card error.	Perform a soft reset by pressing the reset button (if available) or disconnecting and reconnecting power. Format or replace the Micro SD card.

7. SPECIFICATIONS

Feature	Specification
Model Name	ONBOARD_CAMERA
Screen Size	2.4 inches HD LCD
Maximum Video Resolution	FHD 1920 x 1080p
Video Format	AVI
Maximum Image Resolution	12 Megapixels
Photo Format	JPG
Special Features	Infrared Night Vision, Integrated Screen Saver
Audio	Internal Microphone/Speaker
Power Supply	5 VDC/1 A (via Car Charger DC-1, 12V~24V input)
Battery	Integrated, 180 mAh (for short-term use/settings retention)
Storage	Micro SD Card (not included, Class 10 or higher, up to 32GB recommended)
Mounting Type	Windshield Suction Mount
Color	Black

8. WARRANTY AND SUPPORT

Nor-Tec products are manufactured to high-quality standards. For information regarding warranty coverage, please refer to the warranty card included with your purchase or contact your retailer.

For technical support or inquiries, please contact Nor-Tec customer service through the contact information provided on the product packaging or the official Nor-Tec website.

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question