IROAD NX7

IROAD NX7 Dash Cam User Manual

Model: NX7 | Brand: IROAD

1. INTRODUCTION

Thank you for choosing the IROAD NX7 Dash Cam. This manual provides detailed instructions for the installation, operation, and maintenance of your new dash camera. The IROAD NX7 is a high-performance 2-channel dash cam featuring Full HD 1080P recording for both front and rear cameras, a 3-inch touch panel display, 24-hour parking surveillance with motion and impact detection, and advanced driving assistance systems (ADAS).

2. PACKAGE CONTENTS

Please check that all the following items are included in your package:

- IROAD NX7 Front Dash Cam Unit
- Rear Camera
- Rear Camera Connection Cable
- OBDII Power Cable (for general and hybrid vehicles)
- 16GB MicroSD Card
- User Manual (this document)
- Adhesive Mounts

3. PRODUCT OVERVIEW

Familiarize yourself with the components and ports of your IROAD NX7 Dash Cam.

Figure 3.1: The IROAD NX7 main dash cam unit and its accompanying rear camera, showcasing their compact design.

Figure 3.2: IROAD NX7 Front and Rear Dash Cam with labeled components. The image shows the front camera with its lens, security LED, and operation LED. The rear camera is also shown. Various ports are labeled: DC-IN power terminal, GPS terminal, rear camera terminal, memory card slot, power switch, and bracket.

Figure 3.3: A top-down view of the IROAD NX7 dash cam and its rear camera, highlighting their sleek design.

Camera Lens: Captures video footage.

Security LED: Indicates security recording status.

Operation LED: Indicates device operation status.

Bracket: Used for mounting the dash cam.

DC-IN Power Terminal: Connects to the power cable.

GPS Terminal: For connecting an external GPS module (if applicable).

Memory Card Slot: Insert the MicroSD card here.

Power Switch: Turns the device on/off.

Front Terminal: Connection point for the front camera (if separate).

Rear Camera Terminal: Connects the rear camera.

4. SETUP AND INSTALLATION

4.1 Preparing the MicroSD Card

1. Before first use, it is recommended to format the included 16GB MicroSD card using the IROAD PC Viewer software or directly on the device via the touch screen menu.

2. Insert the MicroSD card into the memory card slot until it clicks into place. Ensure the card is inserted correctly to avoid damage.

4.2 Mounting the Dash Cam

The IROAD NX7 uses an adhesive mounting method for secure attachment.

1. Choose an optimal location on your windshield, typically behind the rearview mirror, ensuring it does not obstruct your view.

2. Clean the chosen area on the windshield thoroughly to ensure strong adhesion.

3. Attach the adhesive mount to the dash cam bracket.

4. Peel off the protective film from the adhesive pad and firmly press the dash cam with the mount onto the cleaned windshield area for at least 30 seconds.

5. Repeat the process for the rear camera, mounting it on the rear windshield.

4.3 Connecting Power

The IROAD NX7 comes with an OBDⅡ power cable for easy and reliable power supply.

1. Locate your vehicle's OBDⅡ port (usually under the dashboard on the driver's side).

2. Connect the OBDⅡ power cable to the OBDⅡ port.

3. Connect the other end of the OBDⅡ power cable to the DC-IN Power Terminal on the IROAD NX7 front dash cam.

4. Route the power cable neatly along the vehicle's interior trim to avoid interference with driving.

5. Connect the rear camera to the front unit using the provided rear camera connection cable.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

- The dash cam will automatically power on and begin recording when your vehicle's ignition is turned on, provided it is connected via the OBDⅡ power cable.

- To manually power off, press and hold the Power Switch until the device shuts down.

5.2 Basic Recording Modes

The IROAD NX7 supports continuous recording, event recording, and parking surveillance recording.

- **Continuous Recording:** Automatically starts when the vehicle is powered on. Footage is recorded in 1-minute segments and saved to the MicroSD card.

- **Event Recording (Impact Recording):** In case of a sudden impact or collision, the G-sensor triggers an event recording, saving the footage separately to prevent overwriting.

- **Loop Recording (Overwrite Recording):** When the MicroSD card is full, the oldest continuous recording files are automatically overwritten to make space for new recordings. Event recordings are protected from overwriting.

5.3 Parking Surveillance Mode

The IROAD NX7 offers 24-hour parking surveillance with advanced features:

- **Motion Detection:** The dash cam detects motion around the vehicle and automatically records footage.

- **Impact Detection:** If an impact is detected while parked, the device records and saves the event footage.

- **Time-lapse & Hyperlapse:** For extended parking surveillance, the dash cam can record in time-lapse mode, compressing long periods into shorter videos, saving storage space.

- **Battery Over-discharge Prevention:** The dash cam monitors your vehicle's battery voltage and automatically cuts off power if the voltage drops below a set threshold, preventing battery drain.

5.4 Touch Panel Operation

The 3-inch touch panel allows for easy navigation and settings adjustment.

- Tap icons to access menus such as Live View, Playback, Settings, and File Management.
- Swipe to navigate through recorded files.
- Adjust settings like recording resolution, G-sensor sensitivity, parking mode options, and time/date.

5.5 Advanced Driving Assistance Systems (ADAS)

The IROAD NX7 includes ADAS features to enhance driving safety:

- **LDWS (Lane Departure Warning System):** Alerts you if your vehicle drifts out of its lane.
- **FCWS (Forward Collision Warning System):** Warns you of an impending collision with a vehicle ahead.
- **FVDW (Front Vehicle Departure Warning):** Notifies you when the vehicle in front starts moving from a standstill.

Note: ADAS features are supplementary and should not replace safe driving practices.

5.6 LED Signal Light Compatibility

The IROAD NX7 is designed to record clearly even when facing LED traffic signals, minimizing flicker and ensuring reliable footage.

6. MAINTENANCE

6.1 MicroSD Card Management

- Regularly format the MicroSD card (at least once a month) to maintain optimal recording performance and prevent data corruption. This can be done via the dash cam's settings or the IROAD PC Viewer.
- Use only high-quality, genuine MicroSD cards recommended by IROAD.
- Replace the MicroSD card every 6-12 months, depending on usage, as flash memory has a limited lifespan.

6.2 Cleaning the Device

- Wipe the camera lenses and the device body with a soft, dry, lint-free cloth.
- Do not use chemical cleaners or abrasive materials, as they may damage the device.
- Ensure the device is powered off before cleaning.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not power on.	No power supply; loose cable connection; faulty power cable.	Check OBDII cable connection; ensure vehicle ignition is on; test with another power source if possible.
Recording stops or freezes.	MicroSD card error; full MicroSD card; incompatible MicroSD card.	Format the MicroSD card; replace with a new, compatible card.

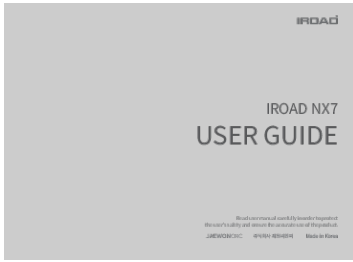| Problem	Possible Cause	Solution
Poor video quality.	Dirty lens; protective film still on lens; incorrect resolution settings.	Clean the lens; remove any protective film; check video resolution settings.
Parking mode not working.	Parking mode disabled; low vehicle battery voltage; incorrect sensitivity settings.	Enable parking mode in settings; check vehicle battery; adjust motion/impact sensitivity.

8. SPECIFICATIONS

Feature	Description
Model Name	IROAD NX7
Display Type	LCD Touch Panel
Screen Size	3 inches
Video Capture Resolution	1080p Full HD (Front & Rear)
Viewing Angle	140° Wide Angle
Flash Memory Type	MicroSD Card (16GB included)
Mounting Type	Adhesive
Control Method	Touch
Special Features	Motion Sensor, 24-Hour Parking Surveillance, Impact Recording, Loop Recording, LED Signal Compatible, ADAS (LDWS, FCWS, FVDW), Time-lapse, Hyperlapse, Battery Over-discharge Prevention, Format Free 2.0, Windows Viewer
Compatible Vehicle Type	General vehicles, Parking
Included Components	User Manual, Charging Cable (OBDII Power Cable), MicroSD Card

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the warranty card included with your product or visit the official IROAD website. Keep your purchase receipt as proof of purchase for warranty claims.
For further assistance, you may contact IROAD customer service through their official channels.

Documents - IROAD – NX7