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**XOvision DVR120**

# XOvision DP Audio Video 2.5" HD Dash Cam with Night Vision - User Manual

Model: DVR120

## Introduction

This manual provides comprehensive instructions for the setup, operation, maintenance, and troubleshooting of your XOvision DP Audio Video 2.5" HD Dash Cam with Night Vision (Model: DVR120). Please read this manual thoroughly before using the device to ensure proper functionality and safety.
The DP Video HD DashCam is designed to record your drives with automatic starting and looped recording, ensuring no moment is missed. Its Night Vision feature provides clear recordings even in low-light conditions.

## Package Contents

Verify that all items are present in the package:

- XOvision DP Audio Video 2.5" HD Dash Cam (DVR120)
- Windshield Mount
- Power Cable (Car Charger)
- User Manual (this document)

*Note: A microSD card (not included) is required for recording.*

## Product Overview

**Figure 1:** Front view of the Dash Cam with its display showing a recorded image and the suction cup mount attached.

**Figure 2:** Frontal perspective of the Dash Cam, highlighting the main camera lens and the surrounding infrared (IR) LEDs for night vision.

### Component Identification

1. **Main Camera Lens:** Captures video footage.
2. **Infrared (IR) LEDs:** Provide illumination for night vision recording.
3. **2.5" LCD Display:** Shows live view, recorded videos, and menu options.
4. **Suction Cup Mount:** Attaches the dash cam securely to the windshield.
5. **Power Button:** Turns the device on/off.
6. **Record Button:** Starts and stops video recording.
7. **Menu Button:** Accesses system settings.
8. **Navigation Buttons (Up/Down):** Used for menu navigation.
9. **Mode Button:** Switches between video, photo, and playback modes.
10. **MicroSD Card Slot:** Insert memory card for storage.
11. **Mini USB Port:** For power supply and data transfer.

## Setup

### 1. Charging the Battery

Before first use, fully charge the dash cam's internal Lithium Ion battery. Connect the provided car charger to the Mini USB port on the dash cam and plug the other end into your vehicle's 12V power outlet (cigarette lighter socket). The charging indicator light will illuminate.

### 2. Inserting a MicroSD Card

The dash cam requires a microSD card (Class 10 or higher, up to 32GB recommended) for storing recordings. Ensure the dash cam is powered off before inserting or removing the card.

1. Locate the microSD card slot on the side of the dash cam.
2. Insert the microSD card with the gold contacts facing the back of the camera until it clicks into place.
3. To remove, gently push the card in until it clicks, then release, and it will spring out.

### 3. Mounting the Dash Cam

1. Clean the area on your windshield where you intend to mount the dash cam. Ensure it is free from dust and grease.
2. Attach the suction cup mount to the dash cam by aligning the grooves and sliding it into place until it locks.
3. Press the suction cup firmly against the windshield and flip the lever down to secure it.
4. Adjust the angle of the dash cam to ensure a clear view of the road ahead, avoiding obstruction of your driving view.

**Figure 3:** Side view illustrating the dash cam attached to its windshield suction cup mount.

## Operating Instructions

### Powering On/Off

- **Automatic:** The dash cam will automatically power on and begin recording when connected to your vehicle's power outlet and the vehicle starts. It will power off automatically when the vehicle is turned off.
- **Manual:** Press and hold the Power button (usually located on the top or side) for a few seconds to manually turn the device on or off.

### Recording Video

The dash cam is designed for automatic looped recording. Once powered on and a microSD card is inserted, it will begin recording automatically.

- **Loop Recording:** Videos are recorded in segments (e.g., 1, 3, or 5 minutes). When the memory card is full, the oldest unlocked files will be overwritten automatically.
- **Emergency Recording (G-Sensor):** The built-in G-sensor detects sudden impacts or collisions. When triggered, the current video segment will be locked and protected from being overwritten.
- **Manual Recording:** In video mode, press the Record button to manually start or stop recording. A flashing red dot or recording icon on the screen indicates active recording.

### Menu Settings

Press the **Menu** button to access the settings. Use the**Up** and **Down** navigation buttons to scroll through options, and the **OK** or **Record** button to confirm selections.
Common settings include:

- **Resolution:** Adjust video quality (e.g., 480p).
- **Loop Recording:** Set the duration of video segments.
- **G-Sensor Sensitivity:** Adjust the sensitivity of the emergency recording feature.
- **Date/Time Stamp:** Enable or disable the date and time overlay on videos.
- **Format SD Card:** Erase all data on the microSD card. *(Important: Back up any important files before formatting.)*
- **Night Vision:** The device features automatic night vision. No manual adjustment is typically required.

### Playback

1. Press the **Mode** button repeatedly until you enter Playback mode.
2. Use the **Up** and **Down** buttons to navigate through recorded video files.
3. Press the **OK** or **Record** button to play the selected video.
4. To exit playback mode, press the **Mode** button again.

## Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the dash cam's lens and screen. Do not use liquid cleaners or abrasive

materials.

- **MicroSD Card Maintenance:** It is recommended to format the microSD card regularly (e.g., once a month) to prevent data corruption and ensure optimal recording performance. Back up any important files before formatting.
- **Temperature:** Avoid exposing the dash cam to extreme temperatures, both hot and cold, as this can affect battery life and device performance.
- **Storage:** If storing the dash cam for an extended period, remove the microSD card and store the device in a cool, dry place.

## Troubleshooting

| Problem | Possible Cause | Solution |
|---|---|---|
| Dash cam does not power on. | Low battery; power cable not connected or faulty; vehicle's 12V outlet is not active. | Charge the battery; ensure power cable is securely connected; check vehicle's 12V outlet for power. |
| Recording stops or freezes. | MicroSD card is full; slow or faulty microSD card; device malfunction. | Format the microSD card; replace with a Class 10 or higher microSD card; reset the device. |
| Video quality is poor or blurry. | Lens is dirty; protective film still on lens; incorrect resolution setting; low light conditions. | Clean the lens; remove any protective film; check resolution settings; ensure sufficient lighting for optimal recording. |
| Cannot play back videos on computer. | Missing video codec; corrupted files; incompatible media player. | Ensure your computer has necessary video codecs; try a different media player (e.g., VLC Media Player); format the microSD card and re-record. |
| Dash cam mount is not secure. | Windshield surface is dirty or wet; suction cup is damaged. | Clean and dry the windshield thoroughly; ensure the suction cup lever is fully engaged. |

## Specifications

| Feature | Detail |
|---|---|
| Model Name | DVR120 |
| Brand | XOvision |
| Display Type | LCD |

| Feature | Detail |
|---|---|
| Video Capture Resolution | 480p |
| Special Feature | Automatic Incident Detection (G-Sensor) |
| Connectivity Technology | USB |
| Mounting Type | Windshield Mount |
| Color | Black |
| Product Dimensions | 4 x 3 x 2 inches |
| Item Weight | 7.4 ounces |
| Batteries | 1 Lithium Ion battery required (included) |
| Included Components | Dash Cam |

## Warranty Information

The XOvision DP Audio Video 2.5" HD Dash Cam (Model: DVR120) comes with a**STANDARD 90 DAYS** warranty from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use.
Please retain your proof of purchase for warranty claims. The warranty does not cover damage caused by misuse, accidents, unauthorized modifications, or improper installation.

## Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please visit the official XOvision store or contact their customer support.

**Visit the XOvision Store**

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