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Minolta MNCD406X

Minolta MNCD406X Dash Camera System

User Manual

1. Introduction

The Minolta MNCD406X Dash Camera System is designed to record your journeys in high definition, providing a reliable record of events on the road. This system includes a main dash camera with a 4.0-inch LCD screen and a rear auxiliary camera for comprehensive coverage. Equipped with features like loop recording and a built-in G-sensor, it ensures important footage is captured and preserved.



Figure 1.1: Minolta MNCD406X Dash Camera and Rear Auxiliary Camera.

2. Package Contents

Please check the box for the following items:

- MNCD406X Dash Camera
- Rear Auxiliary Camera

- USB Cable
- DC Car Adaptor
- 16GB Memory Card
- User Guide
- Warranty Card



Figure 2.1: Included Rear Auxiliary Camera.

3. Product Features

- **1080p Full HD Recording:** Records vivid, lifelike footage of your road trips.
- **4.0” IPS High-resolution LCD Monitor:** For clear review of recorded footage.
- **Included Rear Auxiliary Camera:** Records traffic and the road behind your vehicle.
- **120-Degree Wide-Angle Lens:** Captures a broad view of the front, with swivel capability for preferred fixed view.
- **Loop Recording:** Overwrites the oldest footage first, with selectable durations (1-minute, 3-minute, or 5-minute loops).
- **Built-in G-Sensor:** Automatically initiates emergency recording upon detection of a collision.



Figure 3.1: Illustration of the 120-degree wide-angle lens coverage.



Figure 3.2: The 4.0-inch LCD monitor for clear viewing.

4. Setup

4.1 Mounting the Dash Camera

1. Clean the windshield area where you intend to mount the dash camera. Ensure it is free of dust and grease.
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. Adjust the camera angle as needed.



Figure 4.1: Dash camera mounted on the windshield.



Figure 4.2: The suction cup mount for the dash camera.

4.2 Connecting the Rear Auxiliary Camera

1. Mount the rear auxiliary camera at the back of your vehicle, typically near the license plate or rear window, ensuring a clear view.
2. Route the rear camera cable to the main dash camera. Connect the rear camera cable to the designated port on the

main dash camera.



Figure 4.3: Rear camera capturing the view behind the vehicle.

4.3 Power Connection

1. Insert the included 16GB memory card into the memory card slot on the dash camera. Ensure it is inserted correctly until it clicks into place.
2. Connect the DC Car Adaptor to the dash camera's power input port.
3. Plug the other end of the DC Car Adaptor into your vehicle's 12V power outlet (cigarette lighter socket). The camera will typically power on automatically when the vehicle starts.

5. Operating the Device

5.1 Basic Recording

Once powered on, the dash camera will typically begin recording automatically. The recording status will be indicated on the LCD screen. The camera utilizes loop recording, continuously recording and overwriting the oldest files when the memory card is full. You can adjust the loop recording duration in the settings menu.



Figure 5.1: Loop recording function ensures continuous capture.

5.2 G-Sensor (Emergency Recording)

The built-in G-sensor detects sudden impacts or rapid acceleration/deceleration. When such an event occurs, the camera will automatically lock the current recording file, preventing it from being overwritten by loop recording. This ensures critical incident footage is preserved.



Figure 5.2: The G-sensor automatically protects footage during impacts.

5.3 LCD Screen and Menu Navigation

Use the buttons on the side of the dash camera to navigate through the menu options displayed on the 4.0-inch LCD screen. You can access settings for video resolution, loop recording duration, G-sensor sensitivity, date/time, and playback of recorded files.



Figure 5.3: Dash camera screen displaying live view.

6. Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the camera lens and screen. Do not use liquid cleaners or abrasive materials.
- **Memory Card:** Periodically format the memory card (at least once a month) to ensure optimal performance and prevent data corruption. Back up any important files before formatting.
- **Storage:** When not in use for extended periods, store the dash camera in a cool, dry place away from direct sunlight and extreme temperatures.

7. Troubleshooting

- **Camera not turning on:** Ensure the power cable is securely connected to both the camera and the vehicle's 12V power outlet. Check if the vehicle's power outlet is functioning.
- **Recording issues (e.g., freezing, errors):** Format the memory card. If the issue persists, try a different high-speed (Class 10 or higher) memory card.
- **Poor video quality:** Ensure the lens is clean and free of smudges. Check the video resolution settings in the

camera menu.

- **Rear camera not displaying:** Check the connection of the rear camera cable to the main dash camera. Ensure the cable is not damaged.
- **G-sensor too sensitive/not sensitive enough:** Adjust the G-sensor sensitivity setting in the camera menu.

8. Specifications

Feature	Specification
Model	MNCD406X
Package Dimensions	9.25 x 6.26 x 3.5 inches
Item Weight	1.66 pounds
Batteries	1 Lithium Ion battery required (included)
Connectivity Technology	Auxiliary
Special Feature	Loop Recording
Other Display Features	Wireless
Color	Black
Manufacturer	Minolta
Orientation	Drivers Side
Vehicle Service Type	Car
Video Capture Resolution	1080p
Mounting Type	Suction Mount
Screen Size	4 inches

9. Warranty and Support

For warranty information and technical support, please refer to the Warranty Card included in your package or visit the official Minolta support website. Keep your proof of purchase for any warranty claims.

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