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NikoMaku M11

NikoMaku Dash Cam M11 User Manual

Model: M11

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your NikoMaku Dash Cam M11. The M11 is a dual-lens dash camera system designed to record video footage from both the front and rear of your vehicle, offering enhanced safety and evidence in case of incidents. It features a 4K front camera, a 1080P Super HDR rear camera, a 4.3-inch LCD screen, GPS logging, and parking assist capabilities.



Image: The NikoMaku Dash Cam M11, showcasing its dual camera design and a display of its main features including 4K Ultra HD, 4.3-inch screen, Super HDR rear camera, and GPS tracking.

2. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- NikoMaku Dash Cam M11 (Main Unit)
- Rear Camera (Cable length: approximately 18 feet / 5.5 meters)
- Rear Camera Installation Tape and Bracket (for optional internal vehicle installation)
- Charger Cable (Cable length: approximately 11.5 feet / 3.5 meters)
- GPS Antenna (Cable length: approximately 5.5 feet / 1.7 meters)
- User Manual

Package Included



● Rear camera

Cable length: about 18 feet (5.5m)
Super HDR: reduce dazzle and overexposure from headlights behind you effectively.



● Rear camera installation tape and bracket

An additional rear camera bracket is available if the rear camera needs to be installed inside the vehicle.



● Charger cable

Cable length: about 11.5 feet (3.5m)



● GPS antenna

Cable length: about 5.5 feet (1.7m)
Used to receive GPS signal to record driving speed and route

Image: A visual representation of the NikoMaku Dash Cam M11 package contents, including the main unit, rear camera, installation accessories, charger cable, and GPS antenna.

3. SETUP AND INSTALLATION

Follow these steps to properly install your NikoMaku Dash Cam M11:

1. **Mount the Front Camera:** Securely attach the main dash cam unit to your vehicle's windshield, ensuring it does not obstruct your view. Position it centrally for optimal front recording.
2. **Install the Rear Camera:** Mount the rear camera on the rear windshield or near the license plate. Route the rear camera cable to the main unit.
3. **Connect Power:** Plug the charger cable into the dash cam and connect it to your vehicle's 12V power outlet. Route the cable neatly to avoid interference with driving controls.
4. **Connect GPS Antenna:** Attach the GPS antenna to the main unit and place it in a location with a clear view of the sky, typically on the dashboard or windshield, to ensure accurate signal reception.
5. **Parking Assist Wiring (Optional):** For the parking assist function, connect the red wire of the rear camera cable to your vehicle's backup light power supply. This enables the screen to automatically display the rear view with parking

lines when shifting into reverse gear.

4. OPERATING INSTRUCTIONS

Basic Operation

- **Power On/Off:** The dash cam will automatically power on and begin recording when your vehicle starts, and power off when the engine is turned off. You can also manually power it on/off using the designated button.
- **Recording:** The device records continuously in a loop. Older files are overwritten when the memory card is full.
- **Screen Display:** The 4.3-inch LCD screen displays real-time footage from both cameras. You can switch views or turn off the screen to avoid distraction while driving.

Key Features

- **4K Front Camera & 1080P Rear Camera:** Records high-quality video with a 3840x2160P (8.3MP) front camera and a 1080P rear camera.
- **Super HDR Rear Camera:** The IMX415 Super HDR rear camera effectively reduces glare and overexposure from headlights, providing clearer rear images day and night.



Image: A visual comparison demonstrating the improved clarity and reduced glare in rear camera footage when Super HDR is active, compared to footage without HDR.

- **4.3-inch LCD Screen:** The ultra-wide 20:9 aspect ratio screen allows for easy review of recorded files and real-time monitoring.

4.3" LCD Screen

small, but has all the vital organs



20:9 Ultra Wide

Image: The 4.3-inch LCD screen of the NikoMaku Dash Cam M11, illustrating its 20:9 ultra-wide display ratio for a broader view.

- **GPS Logger:** Records GPS coordinates and speed, which can be viewed with specialized software. The device automatically sets time and date based on GPS position.

GPS Function



Image: A computer screen displaying the specialized software for the GPS function, showing a map with a recorded route, driving speed, and automatic time settings.

- **G-Sensor:** Automatically detects sudden impacts or collisions and locks the current video file to prevent it from being overwritten during loop recording.



Image: An illustration depicting the G-Sensor's function, showing how it detects a collision and locks the corresponding video

segment to protect it from being overwritten.

- **Parking Assist Function:** When reverse gear is engaged (requires proper wiring), the screen automatically displays a full rear view with parking assist lines to aid in parking.



Image: The dash cam display showing the parking assist feature, with colored guidelines overlaid on the rear camera feed to assist with vehicle maneuvering into a parking space.

- **Parking Mode (Optional):** Provides 24-hour surveillance when the vehicle is parked, detecting impacts and recording footage.



Image: An illustration of the optional parking mode, showing a person peering into a parked car, indicating the dash cam's 24-hour surveillance capability.

5. MAINTENANCE

To ensure optimal performance and longevity of your dash cam:

- **Clean Lenses:** Regularly clean the front and rear camera lenses with a soft, lint-free cloth to ensure clear video recording. Avoid abrasive materials.
- **Memory Card:** Format the memory card periodically (e.g., once a month) to prevent data corruption and ensure smooth operation. Use a high-quality Class 10 or higher microSD card.
- **Temperature:** Avoid exposing the dash cam to extreme temperatures for extended periods. If the vehicle is parked in direct sunlight, consider removing the dash cam or using a sunshade.
- **Firmware Updates:** Check the manufacturer's website for any available firmware updates to improve performance and add new features.

6. TROUBLESHOOTING

If you encounter issues with your NikoMaku Dash Cam M11, refer to the following common problems and solutions:

- **Dash Cam Not Powering On:**

- Ensure the charger cable is securely connected to both the dash cam and the vehicle's power outlet.
- Check if the vehicle's 12V power outlet is functioning correctly.
- Verify the charger cable is not damaged.

- **Recording Issues (e.g., freezing, corrupted files):**

- Format the microSD card.
- Ensure you are using a high-speed (Class 10 or U3) microSD card from a reputable brand.
- Try a different microSD card to rule out card malfunction.

- **Rear Camera Not Displaying:**

- Check the connection of the rear camera cable to the main unit.
- Ensure the rear camera cable is not damaged.

- **GPS Not Functioning:**

- Ensure the GPS antenna is properly connected and placed in a location with a clear view of the sky.
- Allow sufficient time for the GPS signal to acquire after powering on.

- **Screen Getting Hot:**

- It is normal for electronic devices to generate some heat during operation. If the device becomes excessively hot or exhibits unusual behavior, discontinue use and contact customer support.

7. SPECIFICATIONS

Model Name	M11
Front Camera Resolution	4K (3840x2160P)
Rear Camera Resolution	1080P (Super HDR, IMX415)
Screen Size	4.3 Inches
Wide Angle	170°
Special Features	4K, Super HDR, 170° Wide Angle, Parking Assist Function, GPS Tracking
Connectivity Technology	USB
Control Method	Touch

Item Weight	1.06 pounds
Batteries	1 Lithium Ion batteries required (included)

8. WARRANTY AND CUSTOMER SUPPORT

NikoMaku provides a **12-month warranty** for the Dash Cam M11. For any questions regarding installation, firmware updates, or usage, please contact our professional customer support team. We offer 24/7 online customer service to assist you.

Please refer to the product packaging or the official NikoMaku website for specific contact information.