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> [Dash Cam Front and Rear Inside 3 Channel, 4K Full UHD Dash Camera for Cars Built-in 32GB Card with IR Night Vision, 24 Hours Recording, Loop Recording, G-Sensor \(Black\)](#)

## LITALARM DashCam-Y15

# LITALARM Dash Cam User Manual

Model: DashCam-Y15

## 1. INTRODUCTION

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Thank you for purchasing the LITALARM Dash Cam. This 3-channel dash camera system is designed to provide comprehensive video surveillance for your vehicle, covering the front, rear, and interior. It features 4K Full UHD recording, IR night vision, 24-hour parking monitoring, loop recording, and G-sensor functionality. Please read this manual carefully before operation to ensure proper installation and use.

## 2. PRODUCT OVERVIEW AND PACKAGE CONTENTS

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The LITALARM Dash Cam system includes the main dash camera unit, an interior camera, a rear camera, and necessary cables for installation. A 32GB memory card is also included for immediate use.



**Figure 2.1:** Overview of the LITALARM 3-Channel Dash Cam system, showing the main unit, interior camera, rear camera, and a smartphone interface demonstrating its capabilities. A 32GB memory card is also depicted.

### Package Contents:

- Main Dash Camera Unit (Front + Interior)
- Rear Camera
- Power Cable (Car Charger)
- Rear Camera Cable
- Mounting Bracket
- 32GB Memory Card
- User Manual

## 3. SETUP AND INSTALLATION

### 3.1 Installing the Main Unit

1. Clean the windshield area where the dash cam will be mounted.
2. Attach the mounting bracket to the main dash cam unit.
3. Peel off the protective film from the adhesive pad on the bracket and firmly press it onto the windshield, ideally behind the rearview mirror to avoid obstructing your view.
4. Adjust the angle of the main camera lens to ensure it captures the road ahead clearly.

### 3.2 Installing the Rear Camera

1. Identify a suitable location on your rear windshield for the rear camera. Ensure it has a clear view of the rear.
2. Clean the chosen area thoroughly.
3. Attach the rear camera using its adhesive pad.
4. Route the rear camera cable from the rear camera to the main dash cam unit. Connect it to the designated port on the main unit. Ensure the cable is tucked away neatly to avoid interference with driving.

### 3.3 Power Connection

1. Insert the included 32GB memory card into the main dash cam unit's memory card slot. Ensure it is inserted correctly until it clicks into place.
2. Connect the power cable (car charger) to the main dash cam unit.
3. Plug the other end of the power cable into your vehicle's 12V power outlet (cigarette lighter socket).
4. Start your vehicle. The dash cam should power on automatically.

## 4. OPERATING INSTRUCTIONS

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### 4.1 Basic Operation

- **Power On/Off:** The dash cam will automatically power on when the vehicle starts and power off when the vehicle is turned off (if connected to a switched power outlet). You can also manually power it on/off using the power button.
- **Recording:** Once powered on, the dash cam will automatically begin recording. The screen will display live views from the front, interior, and rear cameras.
- **Screen Display:** The screen can display all three camera views simultaneously or switch between individual views. Refer to the on-screen menu for display options.

# 3 Channel Dash Cam



Figure 4.1: Illustration of the LITALARM Dash Cam's three channels, demonstrating the wide field of view for the front (170°), cabin (150°), and rear (160°) cameras, ensuring comprehensive coverage.

## 4.2 Key Features

- **Loop Recording:** The dash cam continuously records video. When the memory card is full, the oldest unlocked files are automatically overwritten by new recordings. This ensures continuous recording without manual intervention.
- **G-Sensor (Emergency Lock):** The built-in G-sensor detects sudden impacts or collisions. When triggered, the current video segment is automatically locked and saved to a protected folder, preventing it from being overwritten.

by loop recording.

- **24-Hour Parking Mode:** To enable 24-hour parking monitoring, the dash cam requires a hardwire kit (sold separately) to connect directly to the vehicle's fuse box for continuous power. In parking mode, the camera can record based on motion detection or G-sensor triggers, even when the vehicle is off.



**Figure 4.2:** Visual representation of key features: G-Sensor for impact detection, 24 Hours Parking Mode for continuous surveillance, and Loop Recording for efficient memory management.

# 24H Parking Monitor



Need to connect the hardwire kit



G-sensor mode



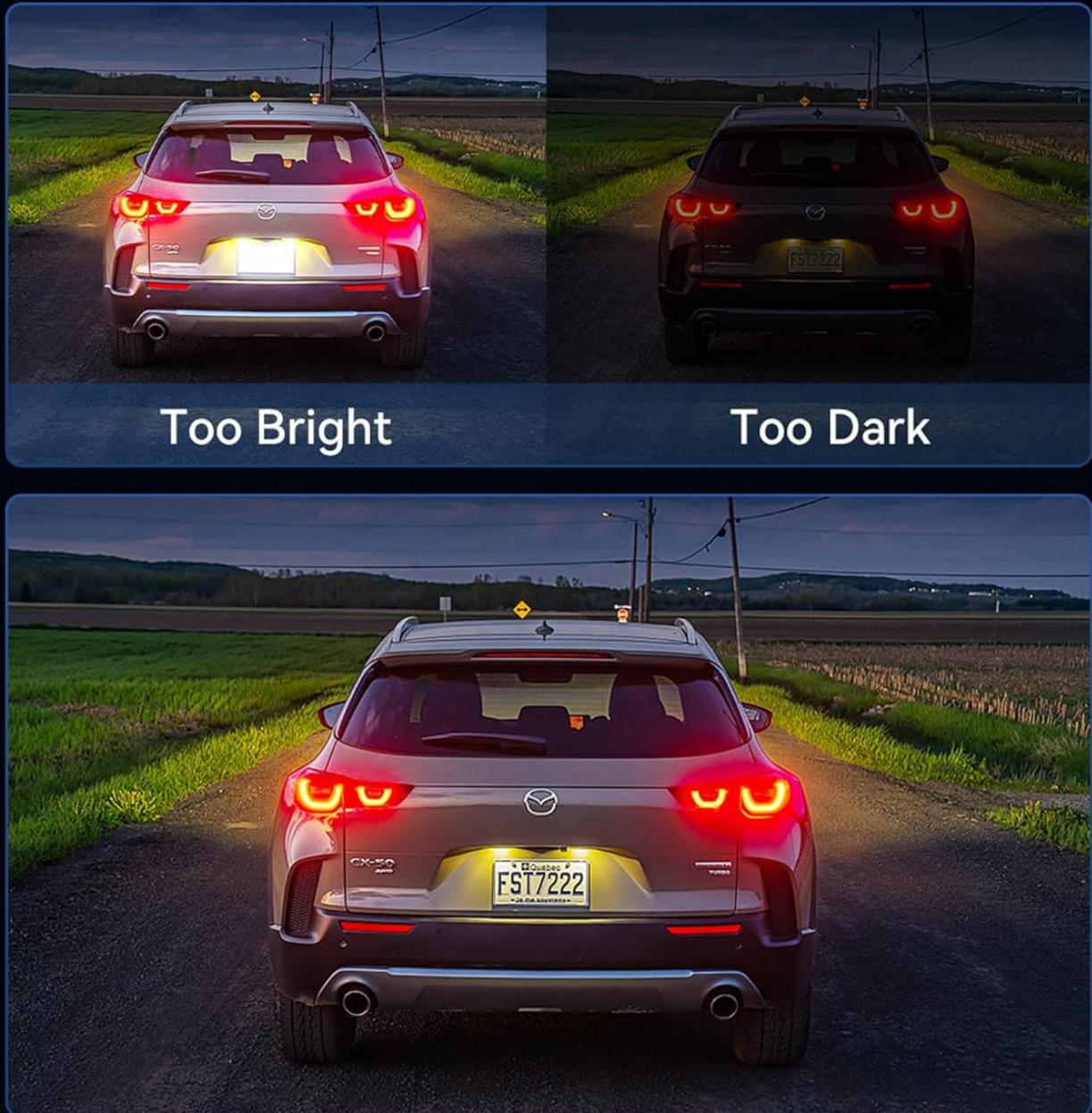
Time-lapse mode

Figure 4.3: Detailed explanation of the 24-hour parking monitoring feature, highlighting G-sensor mode for impact detection and Time-lapse mode for continuous recording, both requiring a hardwire kit for constant power.

- **IR Night Vision:** The interior camera is equipped with infrared (IR) lights to provide clear video recording inside the cabin even in low-light or no-light conditions. The front and rear cameras utilize advanced F/2.0 aperture and HDR technology for enhanced night vision.

# Advance Night Vision

Adopts F/2.0 aperture and HDR technology,  
HD recording details can be achieved even in low light environments



**Figure 4.4:** Demonstration of the dash cam's advanced night vision capabilities, showing improved clarity and detail in both overly bright and extremely dark environments, thanks to F/2.0 aperture and HDR technology.

- **4K Full UHD Recording:** The front camera records in 4K Ultra High Definition, capturing clear and detailed footage of the road ahead.



Figure 4.5: Comprehensive display of the dash cam's powerful features, including F2.0 Aperture, True HDR, Screen Saver, G-Sensor, included 32GB card, Loop Cycle recording, wide View Angle, Ultra HD 4K resolution, Night Vision, and 24 Hours Parking Mode.

### 4.3 Menu Settings

Access the menu by pressing the 'Menu' button on the dash cam. Navigate through options using the up/down buttons and confirm selections with the 'OK' button. Common settings include:

- **Resolution:** Adjust video resolution for front, interior, and rear cameras.

- **Loop Recording Duration:** Set the length of video segments (e.g., 1, 3, 5 minutes).
- **G-Sensor Sensitivity:** Adjust the sensitivity of the G-sensor (Low, Medium, High).
- **Parking Mode:** Enable/disable parking mode and select trigger type (motion detection, G-sensor).
- **Date/Time:** Set the correct date and time for accurate timestamps on recordings.
- **Format SD Card:** Format the memory card periodically to ensure optimal performance and prevent data corruption.

## 5. MAINTENANCE

- **Memory Card Formatting:** It is recommended to format the memory card at least once a month to prevent data corruption and ensure smooth operation. Back up any important files before formatting.
- **Lens Cleaning:** Regularly clean the camera lenses with a soft, lint-free cloth to ensure clear video quality. Avoid abrasive materials.
- **Firmware Updates:** Check the manufacturer's website periodically for firmware updates. Updates can improve performance and add new features.
- **Temperature:** Avoid exposing the dash cam to extreme temperatures for prolonged periods, as this can affect battery life and component longevity.

## 6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Dash cam does not power on.	No power from vehicle's 12V outlet; loose connection; faulty power cable.	Check vehicle's 12V outlet fuse; ensure power cable is securely connected; try a different power outlet or cable if available.
Recording stops or freezes.	Memory card full or corrupted; slow memory card; firmware issue.	Format the memory card; use a high-speed (Class 10 or U3) memory card; update firmware.
Poor video quality at night.	Dirty lens; insufficient lighting; incorrect settings.	Clean camera lenses; ensure IR lights (for interior) are not obstructed; check night vision settings.
G-sensor too sensitive/not sensitive enough.	G-sensor sensitivity setting is incorrect.	Adjust G-sensor sensitivity in the menu settings.
Cannot connect to phone (if applicable).	Incorrect Wi-Fi password; app not installed; phone settings.	Ensure correct Wi-Fi password; download official app; check phone's Wi-Fi settings.

## 7. SPECIFICATIONS

Feature	Detail
Model Number	DashCam-Y15
Dimensions (L x W x H)	5.9 x 1.55 x 2.95 inches
Item Weight	13.7 ounces
Recording Channels	3 (Front, Interior, Rear)
Front Camera Resolution	4K Full UHD

Feature	Detail
Front View Angle	170°
Cabin View Angle	150°
Rear View Angle	160°
Night Vision	IR (Interior), F/2.0 Aperture & HDR (Front/Rear)
Storage	Supports MicroSD card (32GB included)
Special Features	Loop Recording, G-Sensor, 24-Hour Parking Mode (requires hardwire kit)
Connector Type	USB
Compatible Devices	Smartphone (for app connectivity, if applicable)

## 8. WARRANTY AND SUPPORT

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For warranty information and technical support, please refer to the warranty card included in your product packaging or visit the official LITALARM website. Keep your purchase receipt as proof of purchase for warranty claims.

**Manufacturer:** LITALARM

**Date First Available:** November 5, 2024

