

D016

Generic D016 4-Channel 1080P Dash Cam User Manual

Model: D016

1. INTRODUCTION

Thank you for choosing the Generic D016 4-Channel 1080P Dash Cam. This device is designed to provide comprehensive video surveillance for your vehicle, recording simultaneously from four cameras: front, left, right, and rear. It features a 3.16-inch IPS display, G-sensor technology, loop recording, and parking surveillance to enhance your driving safety and provide evidence in case of incidents. Please read this manual carefully before installation and operation to ensure proper use and optimal performance.

2. PRODUCT OVERVIEW

2.1 Key Features

- **Four-Channel Synchronous Recording:** Captures video from front, left, right, and rear cameras simultaneously, providing panoramic coverage.
- **High-Definition Recording:** Front camera records in 1080P Full HD, while left, right, and rear cameras record in 720P HD at 30fps for clear footage.
- **3.16-inch IPS Display:** Provides real-time viewing and clear playback of recorded footage.
- **Intelligent Reverse Assist:** Automatically switches to the rear camera view when reverse gear is engaged, aiding in parking.
- **64GB High-Speed Memory Card Included:** Supports ample storage and expandable capacity.
- **Loop Recording:** Automatically overwrites the oldest recordings to ensure continuous recording without manual deletion.
- **G-Sensor Technology:** Automatically locks and protects video files upon collision to prevent overwriting.
- **Parking Surveillance (Temp-Park Motion Recording):** Detects surrounding movements and activates recording when the engine is off, protecting against incidents during parking.
- **Wide Operating Temperature Range:** Functions reliably from -20°C to +70°C.
- **Multilingual Interface:** Supports English, Spanish, Portuguese, Russian, Japanese, French, Italian, German, Chinese (simplified), Chinese (Traditional), and Korean.

2.2 Package Contents

Please check the package for the following items:

- Four-recording dash cam unit (main unit with front, left, and right cameras) x 1
- Rear Camera x 1
- 64GB Memory Card x 1
- Power Cable (1 meter) x 1
- Mounting Bracket (Suction Cup) x 1

2.3 Product Diagram

Familiarize yourself with the components of your dash cam.



Figure 1: Front view of the D016 Dash Cam, showing the main unit with front, left, and right cameras, and the central display. A separate rear camera is also visible.



Figure 2: The D016 Dash Cam highlighting its 3.16-inch HD screen and the inclusion of a 64GB memory card. It emphasizes the four-channel recording capability.

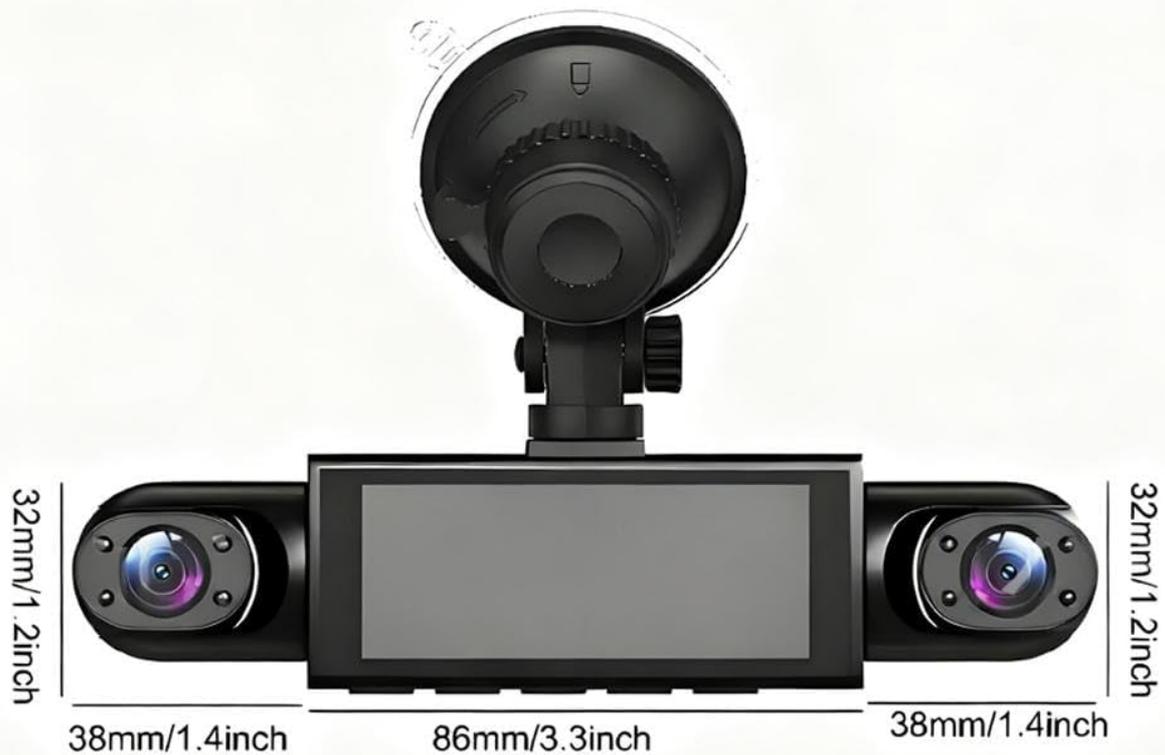


Figure 3: Technical diagram showing the dimensions of the D016 Dash Cam, including the main unit's length (86mm/3.3inch) and camera module widths (38mm/1.4inch) and heights (32mm/1.2inch).

3. SETUP

3.1 Inserting the Memory Card

1. Ensure the dash cam is powered off.
2. Locate the memory card slot on the side of the main unit.
3. Insert the provided 64GB high-speed memory card (or another compatible card, up to 512GB) with the contacts facing the correct direction until it clicks into place.
4. To remove, gently push the card in until it springs out.

Note: It is recommended to format the memory card within the dash cam settings before first use and periodically thereafter to ensure optimal performance and prevent data corruption.

3.2 Mounting the Dash Cam

1. Clean the windshield area where you intend to mount the dash cam. Ensure it does not obstruct the driver's view.

2. Attach the suction cup mount to the dash cam unit.
3. Press the suction cup firmly against the windshield and engage the locking mechanism to secure it.
4. Adjust the angle of the dash cam to ensure the front camera has a clear view of the road ahead.

3.3 Installing the Rear Camera

1. Mount the rear camera on the rear windshield or license plate area using the provided adhesive or screws. Ensure it has a clear view of the rear.
2. Route the rear camera cable to the main dash cam unit, ensuring it does not interfere with vehicle operations or airbags.
3. Connect the rear camera cable to the designated port on the main dash cam unit.

3.4 Power Connection

1. Connect the power cable to the dash cam's power interface (T-PYCE).
2. Plug the other end of the power cable into your vehicle's 12V power outlet (cigarette lighter socket).
3. The dash cam will typically power on automatically when the vehicle's ignition is turned on and power is supplied.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off

- **Automatic:** The dash cam will power on and begin recording automatically when the vehicle's ignition is turned on. It will power off automatically when the ignition is turned off.
- **Manual:** Press and hold the power button (if available) to manually turn the device on or off.

4.2 Basic Recording

Once powered on, the dash cam will automatically start recording in loop recording mode. The front, left, right, and rear cameras will record simultaneously.

4.3 Loop Recording

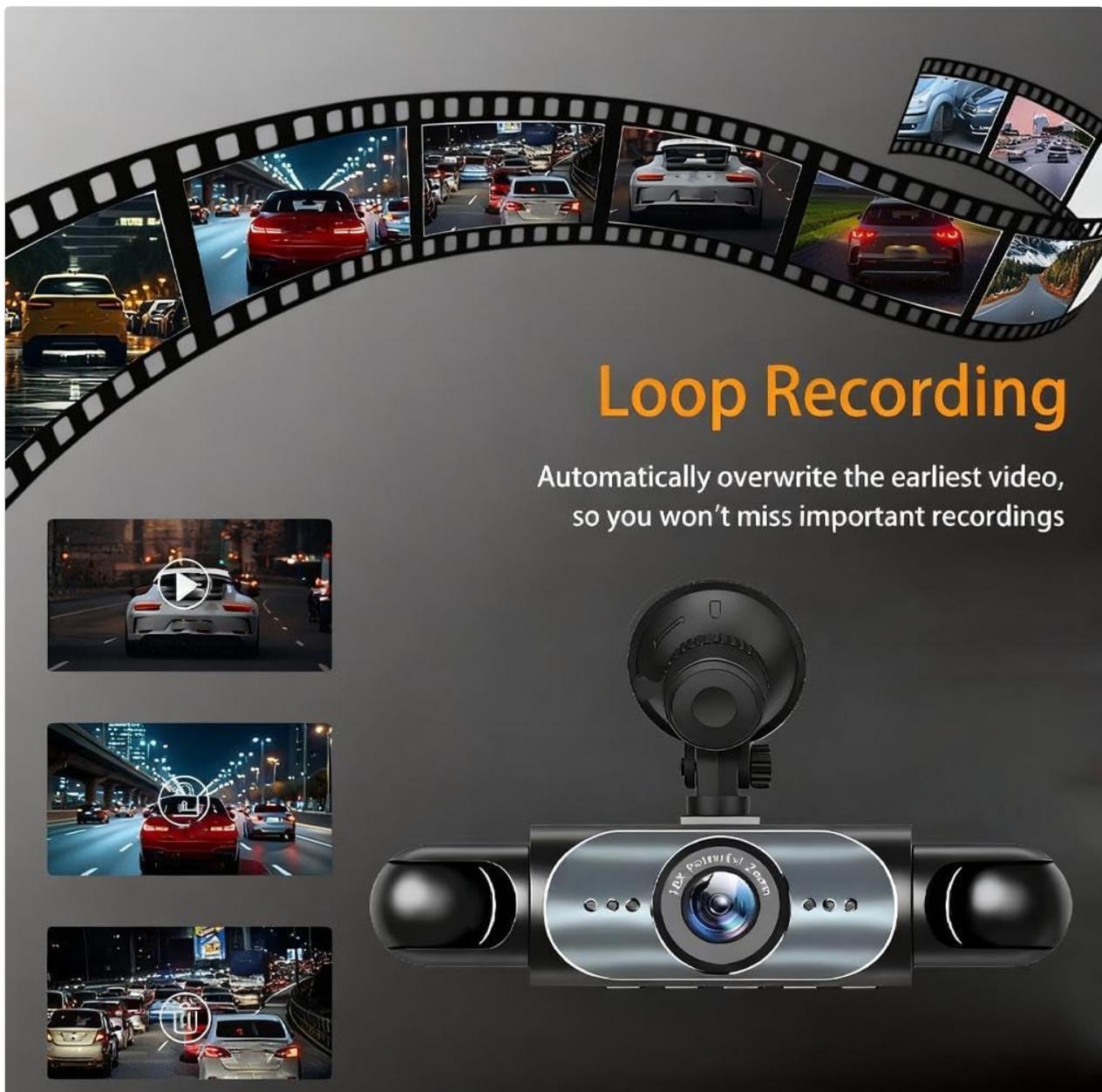


Figure 4: Illustration of the loop recording function, which automatically overwrites the oldest video files to ensure continuous recording without manual intervention.

The dash cam records video in segments (e.g., 1, 3, or 5 minutes). When the memory card is full, the oldest unlocked video segment will be overwritten by the newest recording. This ensures continuous recording without running out of storage space.

4.4 G-Sensor (Emergency Recording)

G-Sensor & Loop Recording

Emergency Recording, lock the scene of the accident.
Loop Recording, automatically overwrite the oldest video.

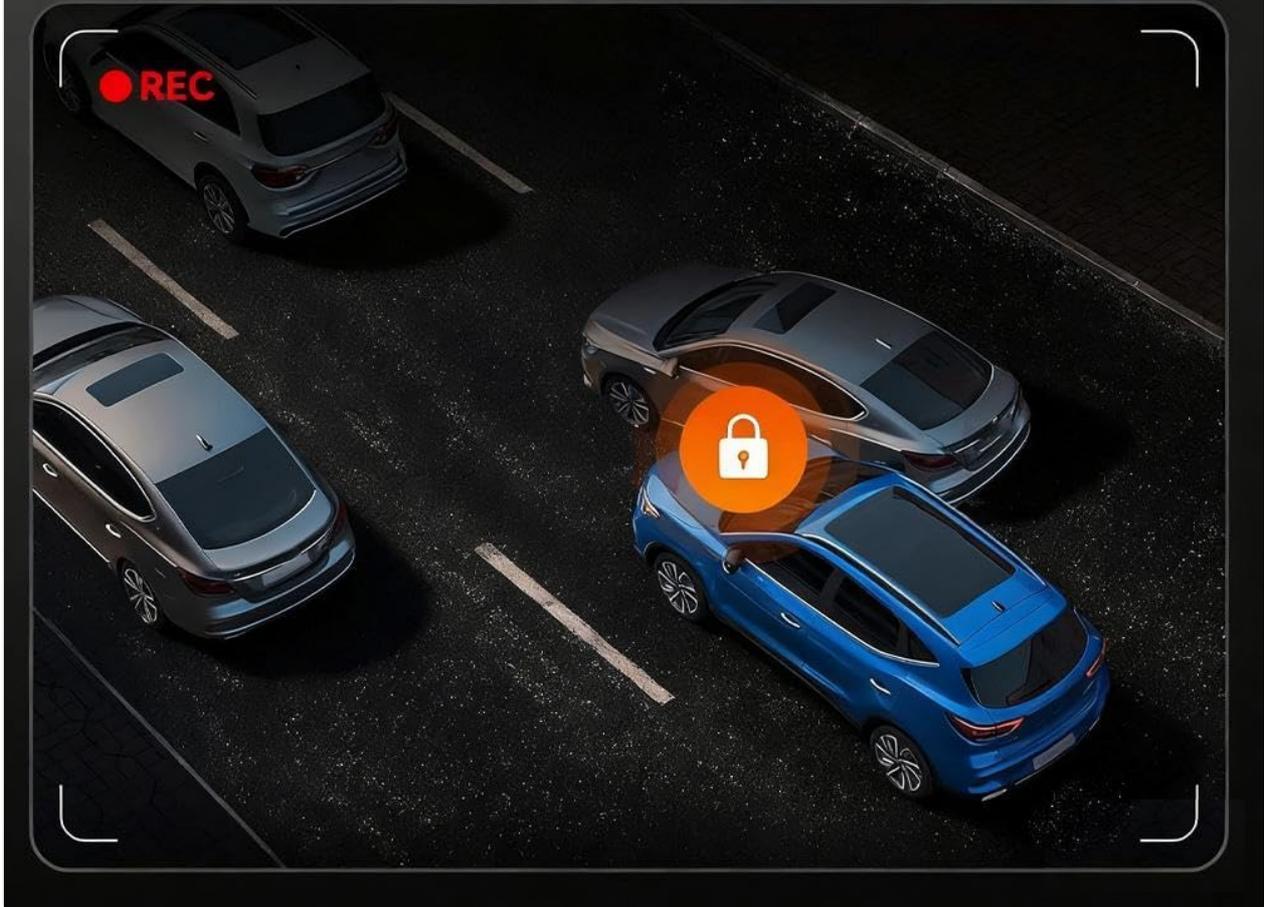


Figure 5: Depiction of the G-Sensor activating emergency recording to lock video footage during an accident, preventing it from being overwritten by loop recording.

The built-in G-sensor detects sudden impacts or collisions. When triggered, it automatically locks the current video segment, preventing it from being overwritten by loop recording. These locked files are stored in a separate folder on the memory card.

4.5 Parking Surveillance (Temp-Park Motion Recording)

When the vehicle is parked and the engine is off, the dash cam can enter parking surveillance mode. If motion is detected around the vehicle, the dash cam will automatically wake up and begin recording for a short period. This feature helps protect your vehicle from vandalism or hit-and-runs while parked.

4.6 Intelligent Reverse Camera Assist

When the vehicle is shifted into reverse gear, the dash cam's display will automatically switch to show the view from the rear camera, often with parking guidelines, to assist with safe parking maneuvers.

4.7 Menu Navigation and Settings

Use the buttons on the dash cam to navigate through the menu options on the 3.16-inch IPS display. Common settings include:

- **Resolution:** Adjust video resolution for front, left, right, 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 impact detection.
- **Motion Detection:** Enable or disable motion detection for parking surveillance.
- **Date Stamp:** Enable or disable the date and time stamp on recordings.
- **Language:** Select your preferred language for the menu interface.
- **Format SD Card:** Erase all data on the memory card.

4.8 Enhanced Night Vision



Figure 6: Visual representation of the dash cam's enhanced night vision capabilities, featuring a CMOS sensor, F1.8 aperture, 8 IR lights, and WDR technology for clear recordings in low-light conditions.

The D016 Dash Cam is equipped with features like a CMOS sensor, F1.8 aperture, 8 IR lights, and Wide Dynamic Range (WDR) technology to improve video clarity and detail in low-light conditions, ensuring clear recordings even at night.

5. MAINTENANCE

5.1 Cleaning the Device

- Ensure the dash cam is powered off and disconnected from power before cleaning.
- Use a soft, dry cloth to wipe the main unit and display.
- For camera lenses, use a lens cleaning cloth or a soft, lint-free cloth slightly dampened with lens cleaner. Avoid harsh chemicals.

5.2 Memory Card Management

- Periodically format the memory card (e.g., once a month) through the dash cam's settings menu. This helps maintain card health and prevents potential recording issues.
- If you experience recording errors, try formatting the card or replacing it with a new high-speed (Class 10 or U3 recommended) memory card.

5.3 Environmental Considerations

- The dash cam is designed to operate within a temperature range of -20°C to +70°C. Avoid exposing it to extreme temperatures outside this range for extended periods.
- Do not expose the device to direct sunlight for prolonged periods when parked in hot weather, as this may affect battery life and internal components.

6. TROUBLESHOOTING

If you encounter issues with your dash cam, please refer to the following common problems and solutions:

- **Dash Cam does not power on:**
 - Check if the power cable is securely connected to both the dash cam and the vehicle's power outlet.
 - Ensure the vehicle's power outlet is functioning (test with another device).
 - Try a different power cable or adapter if available.
- **Dash Cam stops recording or freezes:**
 - Format the memory card within the dash cam's settings.
 - Ensure you are using a high-speed (Class 10 or U3) memory card. Low-speed cards can cause recording issues.
 - Try a different memory card.
 - Reset the dash cam to factory settings (refer to menu options).
- **Video footage is blurry or unclear:**
 - Clean the camera lenses with a soft, lint-free cloth.
 - Ensure the protective film has been removed from the lenses.
 - Check if the dash cam is securely mounted and not vibrating excessively.
- **Rear camera is not displaying or recording:**
 - Check the connection of the rear camera cable to the main unit.
 - Ensure the rear camera cable is not damaged.
- **G-Sensor is too sensitive or not sensitive enough:**
 - Adjust the G-sensor sensitivity in the dash cam's settings menu.

7. SPECIFICATIONS

Feature	Specification
Model Name	D016
Display	3.16-inch IPS
Front Camera Resolution	1920*1080P (1080P Full HD)
Left/Right/Rear Camera Resolution	1280*720P (720P HD)
Frame Rate	30fps
View Angle	Front: 170°, Left/Right/Rear: 120°
Storage	64GB high-speed memory card included (expandable up to 512GB)
G-Sensor	Supported
Loop Recording	Supported
Temp-Park Motion Recording	Supported
Motion Detection	Supported
Date Stamp	Supported
Power Interface	T-PYCE
Battery	150mAh
Output	USB 2.0
Current Frequency	50/60 Hz
Operating Temperature	-20°C to +70°C
Product Dimensions	15 x 11 x 7 cm (5.9 x 4.3 x 2.8 inches)
Item Weight	13.3 ounces
Connectivity Technology	Wi-Fi
Languages Supported	Russian, Japanese, French, Italian, German, English, Chinese (simplified), Chinese (Traditional), Korean, Spanish, Portuguese

8. WARRANTY AND SUPPORT

Information regarding product warranty and customer support was not provided in the available product data.

Please refer to the product packaging or contact the seller directly for details on warranty coverage and technical assistance.

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