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> [FITCAMX](#) /

> FITCAMX 4K Dash Cam User Manual for Subaru Solterra (Model HD2-6512)

FITCAMX HD2-6512

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1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your FITCAMX 4K Dash Cam, Model HD2-6512. This dash cam is specifically designed for a seamless, OEM-style integration with Subaru Solterra models from 2023 to 2026, offering UHD 2160P video recording, WiFi connectivity, app control, loop recording, and G-Sensor functionality.



Image: The FITCAMX 4K Dash Cam, designed for integrated installation in a Subaru Solterra.

2. SAFETY INFORMATION

- Ensure the vehicle is turned off before beginning installation.
- Do not obstruct the driver's view or interfere with vehicle controls.
- Use only the provided power cable and accessories.
- Avoid exposing the dash cam to extreme temperatures outside the operating range (-20°C to 85°C / -4°F to 185°F).
- Keep the lens clean for optimal video quality.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Packing Box

- FITCAMX 4K Front Camera
- 64GB SD Card
- Y Cable (Power Cord)
- Card Reader
- Pry Tool
- User Manual

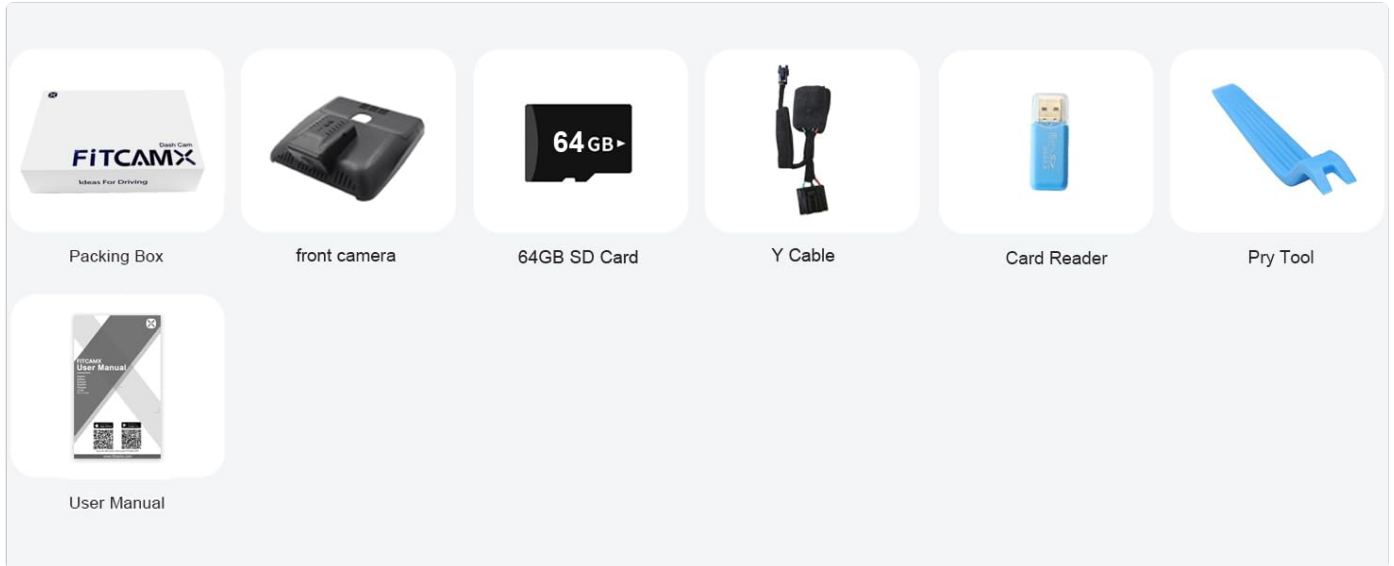


Image: Contents of the FITCAMX 4K Dash Cam package, including the camera, SD card, cables, card reader, pry tool, and user manual.

4. SETUP AND INSTALLATION

The FITCAMX dash cam is designed for a plug-and-play installation, integrating seamlessly with your Subaru Solterra's existing wiring. No hardwiring or complex modifications are required.

4.1 Installation Steps

1. **Remove the Top Cover:** Carefully use the pry tool to remove the top cover near your rearview mirror.
2. **Remove the Back Cover:** Detach the back cover of the original car's mirror housing.
3. **Remove Front Cover:** Push forward to remove the front cover.
4. **Transfer Orange Clips:** Transfer any orange clips from the original cover to the dash cam housing.
5. **Unplug A.C.C. Connector:** Locate and unplug the original A.C.C. connector.
6. **Connect Y Cable:** Connect the provided Y-cable to the unplugged A.C.C. connector and the dash cam.
7. **Connect Power Cord:** Connect the dash cam's power cord to the base.
8. **Mount Front Cover:** Push backward to mount the dash cam with the front cover.
9. **Installation Complete:** Ensure all connections are secure and covers are properly reinstalled.

Installation Tutorial



FITCAMX

Image: Visual guide showing 9 steps for installing the FITCAMX dash cam, from removing covers to connecting cables and securing the device.



Image: Comparison showing the rearview mirror area before and after the FITCAMX dash cam installation, highlighting its integrated OEM-style appearance.

4.2 Installation Video Guide

For a visual walkthrough of the installation process, please refer to the video below. While the video demonstrates installation on a Toyota model, the general steps are similar for the Subaru Solterra.

Your browser does not support the video tag.

Video: Installation guide for FITCAMX Dash Cam. Shows step-by-step process of prying covers, connecting power cords, and installing the dash cam. Note: This video demonstrates installation on a Toyota vehicle, but the principles apply to Subaru Solterra.

5. OPERATING INSTRUCTIONS

5.1 Automatic Recording

The dash cam will automatically begin recording when your vehicle starts. No manual activation is required for standard operation.

5.2 WiFi Connectivity and FITCAMX App

Connect your smartphone to the dash cam via WiFi to access real-time video, review recorded footage, and download files using the FITCAMX APP. The app is available for download on both the App Store and Google Play.

- Download the FITCAMX APP from your device's app store.
- Turn on the dash cam and enable WiFi on your smartphone.
- Connect to the dash cam's WiFi network (SSID and password typically found on the device or in the app).
- Open the FITCAMX APP to view live feed, playback recordings, or adjust settings.



Image: A smartphone displaying the FITCAMX app interface, showing live dash cam footage and control options, with WiFi signal icon visible.



Image: Illustrates the built-in WiFi functionality of the FITCAMX dash cam, allowing connection to a smartphone for viewing and managing recordings.

5.3 Loop Recording

The dash cam continuously records video in segments. When the memory card is full, the oldest unlocked videos are automatically overwritten to make space for new recordings. You can set recording segment lengths (e.g., 1/3/5 minutes) via the FITCAMX APP.



 **Loop recording**
Automatically overwrites the unlocked oldest recordings when the memory card is full.

 **G-Sensor**
The G-Sensor can detect a sudden collision, and current video will be locked.

*** To upgrade with parking monitoring, search asin: B09PQ9KDYG to order the fuse box cable**

Image: Depicts the loop recording feature, showing how older footage is overwritten, and the G-Sensor locking important video segments.

Automatically Loop Recording

The oldest videos will be overwritten when card storage is full.

Set it at FITCAMX APP: 1/3/5 min option

● Recording time for different SD card storage.

64G	128G
5H	10H



Image: Explains automatic loop recording, illustrating how the oldest videos are overwritten when the SD card is full, with options for 1/3/5 minute segments.

5.4 G-Sensor (Emergency Recording)

The built-in G-Sensor detects sudden impacts or collisions. In such events, it automatically locks the current video segment, preventing it from being overwritten by loop recording. This ensures critical footage is preserved.



G-Sensor

Lock the current video and prevent it from being overwritten when a shock or collision is detected.

Image: Illustrates the G-Sensor feature, showing a lock icon over a video of a car collision, indicating that the footage is protected from being overwritten.

5.5 Parking Mode (Optional Upgrade)

To enable parking monitoring, an optional fuse box cable (ASIN: B09PQ9KDXK) is required. This accessory allows the dash cam to record events even when the vehicle is parked and turned off, providing continuous surveillance.

Upgraded with Parking Mode

1. cable to Fuse Box



Non-24h recording

2. cable to On Board Diagnostics



24h and non-24h recording

Image: Shows two types of cables for upgrading to parking mode: one for non-24h recording via fuse box, and another for 24h and non-24h recording via On-Board Diagnostics.

6. MAINTENANCE

- **Clean the Lens:** Regularly wipe the camera lens with a soft, lint-free cloth to ensure clear video quality.
- **SD Card Management:** Periodically format the SD card (via the app) to maintain optimal performance and prevent data corruption. Back up important videos before formatting.
- **Firmware Updates:** Check the FITCAMX APP or official website for any available firmware updates to ensure your dash cam has the latest features and bug fixes.

7. TROUBLESHOOTING


Problem	Possible Cause	Solution
Dash cam not powering on.	Loose power connection, vehicle power issue.	Check all cable connections. Ensure the vehicle's ignition is on.
Video quality is poor/blurry.	Dirty lens, protective film still on, low light conditions.	Clean the lens. Remove any protective film. Ensure adequate lighting.
WiFi connection issues.	Incorrect password, too far from device, app issues.	Verify WiFi password. Ensure close proximity to the dash cam. Restart the app and dash cam.
SD card error/not recording.	SD card full, corrupted, or incompatible.	Format the SD card via the app. Try a different compatible SD card.

8. SPECIFICATIONS


Feature	Detail
Model Number	HD2-6512
Video Capture Resolution	Front 2160P (4K)
Compatible Vehicle Type	Subaru Solterra 2023-2026

Feature	Detail
Connectivity Technology	Powerline, WiFi (via FITCAMX APP)
Special Features	OEM Style, FITCAMX APP, Loop Recording, G-Sensor, Night Vision (WDR)
Operating Temperature	-20°C to 85°C (-4°F to 185°F)
Included Storage	64GB SD Card
Control Method	App
Power Source	Vehicle Power (Plug & Play)







OEM Style




Easy to Install




UHD 2160P




f/1.6 Aperture




WiFi&APP



Loop Recording



Super Night Vision



G-Sensor

Image: Overview of key features including OEM Style, Easy Installation, UHD 2160P, f/1.6 Aperture, WiFi & APP, Loop Recording, Super Night Vision, and G-Sensor.



Image: Demonstrates the 4K UHD 2160P video quality of the dash cam, showing a clear road view on a smartphone screen.



Image: Highlights the dash cam's night vision capabilities, showing a clear view of a road at night, supported by CMOS Sensor, f/1.6 Aperture, WDR Tech, and Novatek Chip.

9. WARRANTY AND SUPPORT

FITCAMX offers a **1-year warranty** on this product. Additionally, we provide **lifetime after-sales support** to ensure your satisfaction. If you have any questions or require assistance, please do not hesitate to contact our customer service team. For technical support or inquiries, please visit the official FITCAMX website or refer to the contact information provided with your purchase.

