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> Mangoal 4K Dash Cam (MG-014F) for GMC Terrain (Model A) - User Manual

## mangoal MG-014F

# Mangoal 4K Dash Cam (MG-014F) User Manual

For GMC Terrain 2018-2024 (Model A)

## 1. INTRODUCTION

Thank you for choosing the Mangoal 4K Dash Cam. This device is designed to seamlessly integrate into your GMC Terrain (Model A) from 2018-2024, providing high-definition video recording for enhanced driving safety and security. This manual will guide you through the installation, setup, and operation of your new dash cam.

## 2. VEHICLE COMPATIBILITY

This Mangoal 4K Dash Cam (Model MG-014F) is specifically designed for GMC Terrain vehicles manufactured between 2018 and 2024. It is compatible with SL, SLE, SLT, AT4, and Denali trims. It is crucial to identify your vehicle's sensor cover model (Model A, B, or C) to ensure proper fitment. This product is for **Model A**.

### 2.1 Differentiating Between Models A, B, and C

Please refer to the images below to identify your vehicle's sensor cover type. Model A features a sensor cover with 5 holes.



*Image: Diagram illustrating the differences in vehicle sensor covers for GMC Terrain Model A, B, and C, showing 5 holes for Model A.*

## How to differentiate between model A/B/C?



\* NOTE the difference between Model A, Model B and Model C, If still not sure please confirm with us.

Image: Close-up view of the underside of vehicle sensor covers for GMC Terrain Model A, B, and C, highlighting the 5 holes for Model A.

### 3. PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- Mangoal OEM Look 4K Dashcam x1
- 64GB MicroSD Card x1
- User Manual x1
- OBD Power Adapter x1
- Auto-Dimming Rearview Mirror Plug Power Adapter x1
- Crowbar x1
- Strap x2

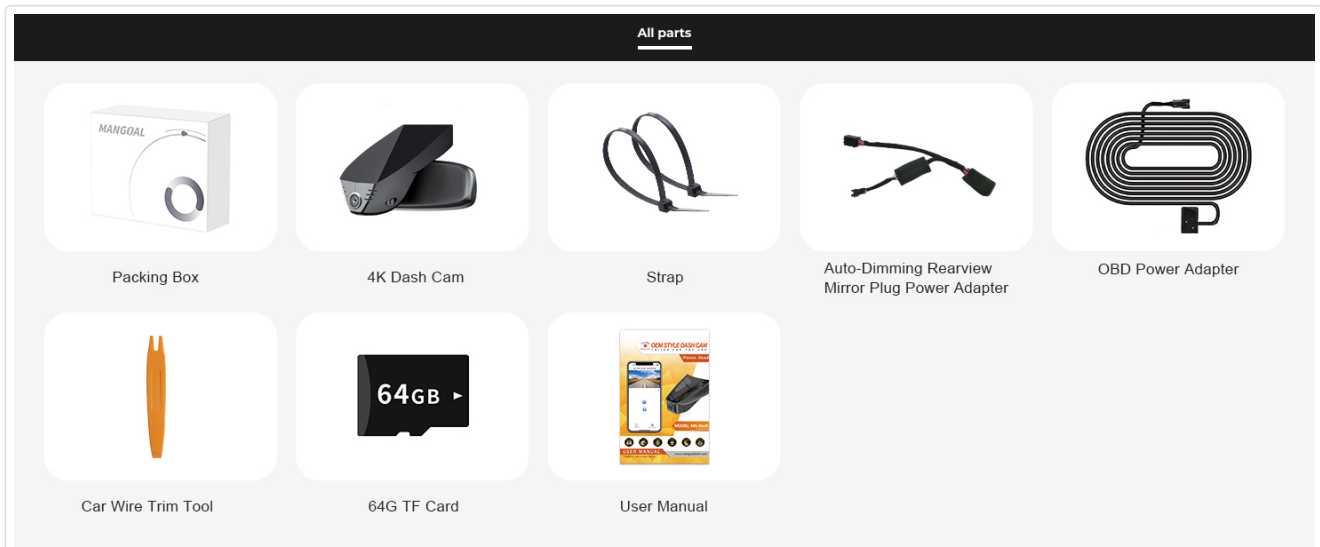


Image: All components included in the Mangoal 4K Dash Cam package.

### 4. PRODUCT OVERVIEW & KEY FEATURES

The Mangoal 4K Dash Cam offers advanced features for reliable vehicle recording:

- **4K UHD 2160P Video Resolution:** Captures clear and detailed footage.
- **OEM Style Integration:** Designed to blend seamlessly with your vehicle's interior, appearing as a factory-installed component.

- **Loop Recording:** Automatically overwrites the oldest footage when the memory card is full, ensuring continuous recording.
- **G-Sensor:** Detects sudden impacts or collisions and automatically locks the current video file to prevent it from being overwritten.
- **Parking Monitor:** Provides 24-hour surveillance when the vehicle is parked (requires OBD Power Adapter or Fuse Box Power Adapter).
- **Superior Night Vision:** Equipped with advanced technology for clear recording in low-light conditions.
- **Built-in Wi-Fi & Free App Control:** Connects to your smartphone via Wi-Fi for live viewing, video playback, download, and settings adjustment through the SkyCamm app.



Image: The dash cam's OEM style ensures it blends seamlessly with your vehicle's interior.

## 5. INSTALLATION GUIDE

Follow these steps to install your Mangoal 4K Dash Cam. Ensure your vehicle is turned off before beginning the installation.

### 5.1 Power Adapter Options

Your car must have an Auto-Dimming Rearview Mirror Plug Power Adapter (10-Pin square plug) for direct power. If not, power can be obtained through the OBD port or Fuse Box using the provided OBD Power Adapter or an optional Fuse Box Power Adapter (ASIN: B0CXXXV4YG).



Image: Auto-Dimming Rearview Mirror Plug Power Adapter connection.

### 5.2 Step-by-Step Installation

1. **Remove Sensor Cover:** Use the provided crowbar tool to carefully pry off the vehicle's sensor cover located behind the rearview mirror.
2. **Connect Y-Cable:** Disconnect the original Auto-Dimming rearview mirror plug. Connect the Y-cable from the dash cam to both the vehicle's original plug and the rearview mirror. Ensure connections are secure.
3. **Hide Cables:** Carefully tuck any excess cable into the headliner or trim to maintain a clean, OEM look.
4. **Mount Dash Cam:** Align the buckles on the dash cam with the corresponding slots on the vehicle's mounting area. Snap the dash cam into place, ensuring it is securely fastened.
5. **Replace Sensor Cover:** Reattach the vehicle's sensor cover, ensuring all clips are engaged.

### 5.3 Installation Video

Your browser does not support the video tag.

*Video: Detailed installation guide for the Mangoal 4K Dash Cam (Model A) in a GMC Terrain.*

## 6. INITIAL SETUP AND APP CONNECTION

After physical installation, connect your dash cam to the mobile app for full functionality.

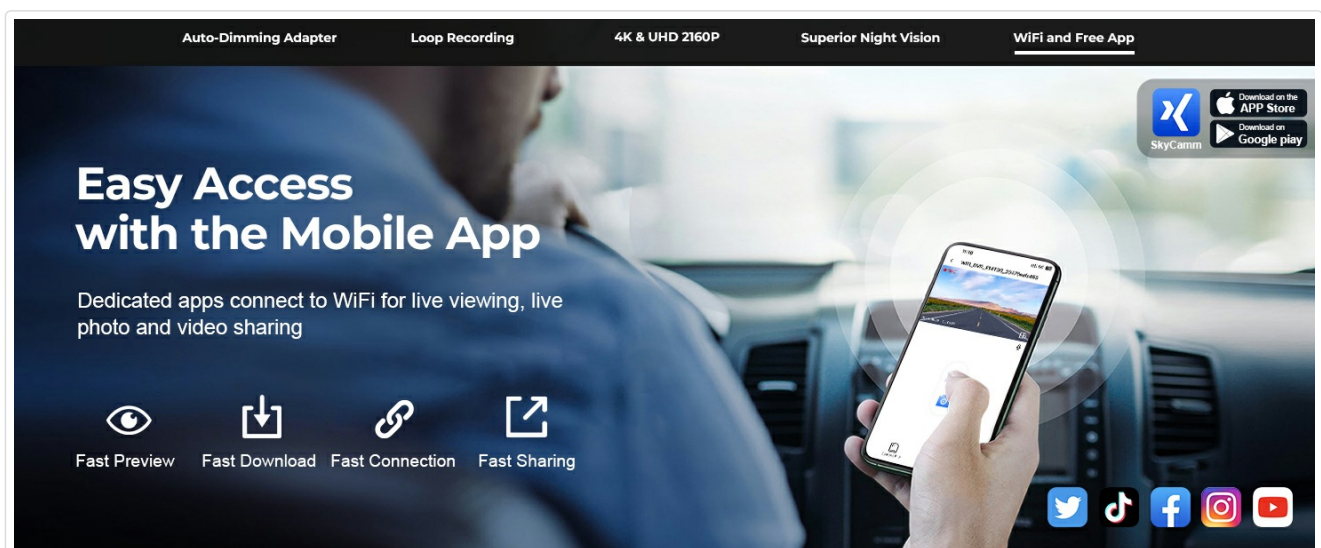
### 6.1 App Connection Steps

1. **Power On:** Start your car engine. The dash cam will power on automatically.
2. **Download App:** Download the 'SkyCamm' app from your smartphone's app store (available on iOS and Android).
3. **Connect to Wi-Fi:** Open your phone's Wi-Fi settings. Find and connect to the dash cam's Wi-Fi network (usually named 'WIFI\_DVR\_XXXX'). The default password is '12345678'.
4. **Open SkyCamm App:** Launch the SkyCamm app. Click 'Add Camera' to connect to your device.
5. **Verify Connection:** Once connected, you should see a live view from the dash cam. Move the camera slightly to confirm the image is updating.
6. **Format SD Card:** For first-time use and optimal performance, navigate to 'Camera Settings' within the app and select 'Format SD Card'. Confirm to clear all video and picture files.

### 6.2 App Connection and Test Video

Your browser does not support the video tag.

*Video: Instructions on how to connect the dash cam to the SkyCamm mobile app and perform a basic test.*



*Image: Easy access to live view and settings via the SkyCamm mobile app.*

## 7. OPERATION

### 7.1 Automatic Recording

The dash cam automatically begins recording when your vehicle's engine starts. It will stop recording shortly after the engine is turned off.

### 7.2 Loop Recording

The dash cam records video in continuous loops (e.g., 1, 3, or 5-minute segments). When the MicroSD card is full, the oldest unprotected files are automatically overwritten by new recordings. This ensures you always have the most recent footage.

The screenshot shows a navigation bar with five items: 'Auto-Dimming Adapter', 'Loop Recording' (which is underlined), '4K & UHD 2160P', 'Superior Night Vision', and 'WiFi and Free App'. Below the navigation bar, the main heading is 'Endless Loop Recording'. A sub-heading reads: 'Every 1/3/5 min loop recording, the oldest videos will be overwritten when the SD card is full.' Below this is a table showing recording times for different SD card capacities:

Recording time for different SD cards.		
32G	64G	128G
2H	4H	8H

To the right of the text is an image of a silver SUV driving on a road that is framed by a film strip, symbolizing continuous recording.

Image: Loop Recording ensures continuous video capture.

### 7.3 G-Sensor (Emergency Recording)

The built-in G-Sensor detects sudden acceleration, braking, 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 SD card.

The screenshot shows a navigation bar with two items: 'parking monitor' and 'G-Sensor' (which is underlined). The main image shows a blue car and a yellow car in a collision, with a red padlock icon overlaid on the impact point. A text box on the left reads: 'G-Sensor Lock the current video and prevent it from being overwritten when a shock or collision is detected.'

Image: G-Sensor automatically locks important footage during incidents.

### 7.4 Parking Monitor

With the OBD Power Adapter (or optional Fuse Box Power Adapter), the parking monitor feature provides 24-hour surveillance. If an impact is detected while your vehicle is parked, the dash cam will automatically record a short video segment and lock it. This feature requires a constant power supply.

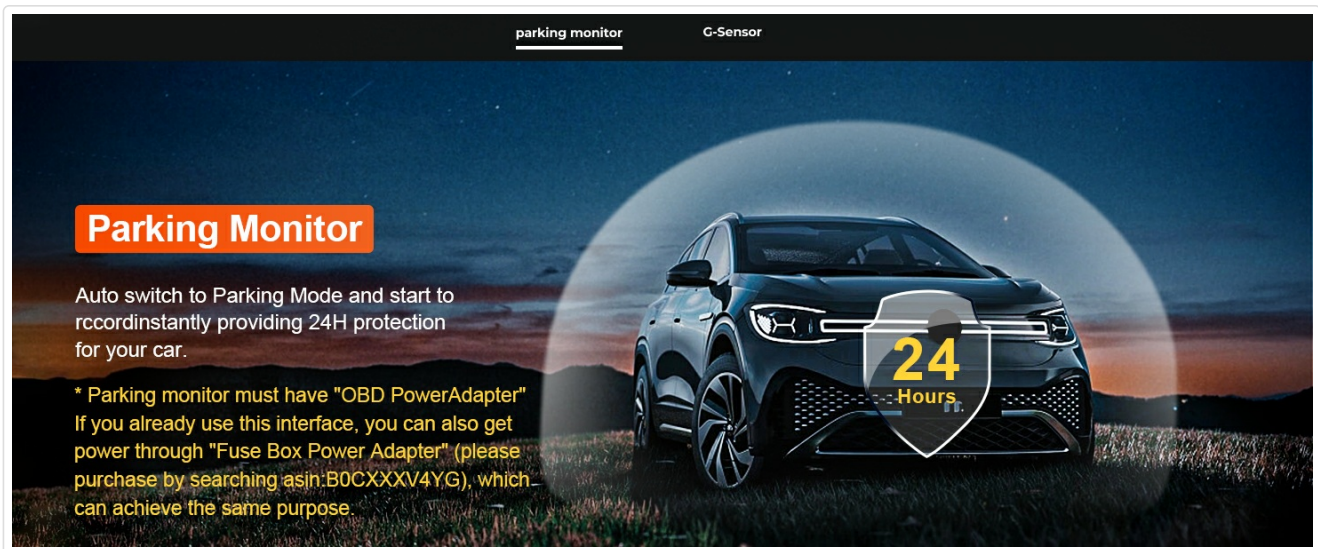


Image: Parking Monitor provides 24-hour protection for your vehicle.

## 7.5 Night Vision

The dash cam is equipped with superior night vision technology, utilizing a Sony Sensor, f/1.8 aperture, WDR (Wide Dynamic Range), and a 6-layer lens to capture clear video footage even in low-light conditions.

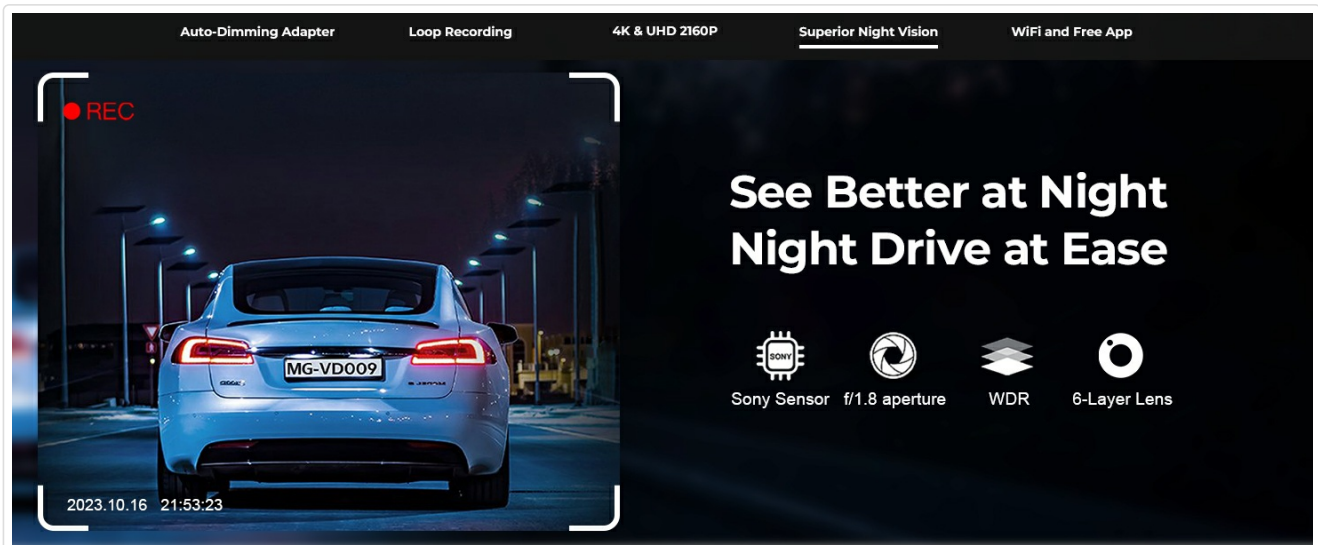


Image: Superior Night Vision for clear recordings in low light.

## 8. TROUBLESHOOTING

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

- **Camera not powering on:** Ensure the power adapter is correctly connected to both the dash cam and the vehicle's power source. Verify the vehicle's ignition is on.
- **App connection issues:** Ensure your phone's Wi-Fi is enabled and connected to the dash cam's Wi-Fi network. Double-check the Wi-Fi password. Try restarting both the dash cam (by restarting the car) and the app.
- **Video playback is choppy or slow:** This can sometimes be due to interference. For GM owners using Android Auto, temporarily disable it and Bluetooth for smoother playback. Ensure your MicroSD card is a high-speed (Class 10 or U3) card.
- **Dash cam not recording:** Check if the MicroSD card is inserted correctly and formatted. Ensure loop recording is enabled in the app settings.
- **G-Sensor not triggering:** Adjust the G-Sensor sensitivity setting in the app. If it's too low, it may not detect minor impacts.

- **Parking Monitor not working:** Ensure the OBD Power Adapter is correctly installed and providing constant power. Verify parking monitoring is enabled in the app settings.

## 9. SPECIFICATIONS

<b>Model Number</b>	MG-014F
<b>Video Capture Resolution</b>	Front 4K 2160P
<b>Field Of View</b>	150 Degrees
<b>Connectivity Technology</b>	Wi-Fi
<b>Mounting Type</b>	Windshield Mount
<b>Product Dimensions</b>	2.76 x 2.17 x 4.13 inches
<b>Item Weight</b>	1.87 pounds
<b>Batteries</b>	1 Lithium Metal battery (included)
<b>Special Features</b>	Built-In Microphone, Built-In Speaker, Built-In Supercapacitor, Built-In WiFi, OEM Style, Motion Sensing, Mute Function, Night Vision, Loop Recording, G-Sensor, Automatic Incident Detection, Parking Monitor, App Control

## 10. WARRANTY AND SUPPORT

Your Mangoal 4K Dash Cam comes with a worry-free 12-month warranty. For any technical assistance, troubleshooting, or warranty claims, please contact Mangoal customer service. Refer to the product packaging or the official Mangoal website for contact information.