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EYETOO CE13

TOGUARDCAR 1080P Mirror Dash Cam User Manual

Model: CE13

1. INTRODUCTION

The TOGUARDCAR 1080P Mirror Dash Cam (Model CE13) is an advanced vehicle recording system designed to enhance driving safety and provide comprehensive surveillance. It features a 4.3-inch IPS full touch screen, dual high-definition cameras for front and rear recording, and intelligent functions such as G-sensor emergency locking, loop recording, and parking monitoring.

This manual provides detailed instructions for the proper setup, operation, and maintenance of your dash cam to ensure optimal performance and longevity.



Image: The TOGUARDCAR 1080P Mirror Dash Cam with its included rear camera, showcasing the main unit and its display interface.

2. PACKAGE CONTENTS

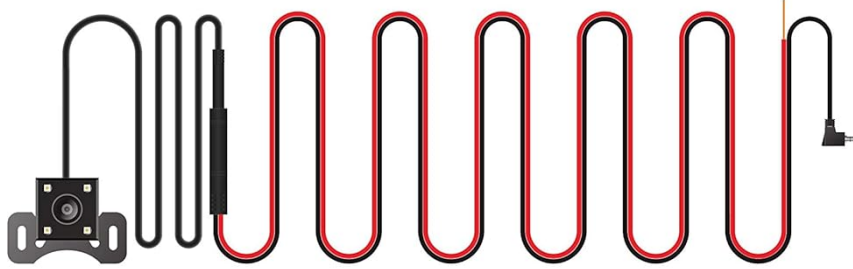
Please verify that all items listed below are included in your package:

- Mirror Dash Cam (Main Unit)
- Rear View Camera
- Connection Cable for Rear View Camera
- Car Charger
- Hardwire Kit
- Mounting Straps (for mirror attachment)
- USB Cable
- Cable Clips
- Dust Cloth
- Crowbar (for cable routing)
- User Manual

Package Included



Rearview mirror dash cam



Rear view camera

Connecting cable for rearview



Dust cloth



Crowbar



Mounting straps



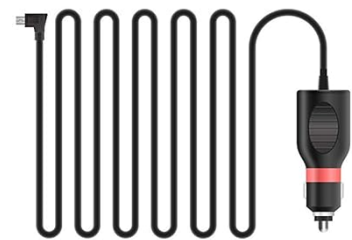
USB Cable



Cable clamp



User Manual



car charger

Image: A visual representation of all components included in the TOGUARD CAR Mirror Dash Cam package.

3. SETUP GUIDE

3.1. Installing the Mirror Dash Cam

1. Secure the Mirror Dash Cam over your vehicle's existing rearview mirror using the provided rubber mounting straps. Ensure it is firmly attached and does not obstruct your view.
2. Adjust the angle of the front camera lens to capture the desired field of view through the windshield.

3.2. Connecting the Rear View Camera

1. Mount the rear view camera at the rear of your vehicle, typically above the license plate or inside the rear window. Ensure it has a clear view.
2. Route the rear camera's connection cable from the rear of the vehicle to the main Mirror Dash Cam unit. Use the provided crowbar to tuck the cable neatly along the vehicle's trim and headliner for a clean installation.
3. Connect the rear camera cable to the designated port on the Mirror Dash Cam.

3.3. Power Connection

1. Connect the car charger to the Mirror Dash Cam's power input port.
2. Plug the car charger into your vehicle's 12V power outlet (cigarette lighter socket).
3. For continuous power and parking monitoring, consider using the optional hardwire kit (professional installation recommended).

3.4. Inserting Micro SD Card

1. Insert a high-speed (Class 10 or higher) Micro SD card into the designated slot on the dash cam. Ensure the card is inserted correctly until it clicks into place.
2. It is recommended to format the Micro SD card within the dash cam's settings before first use and periodically thereafter to ensure stable recording.

EASY TO INSTALL

Front camera circuit diagram
Convenient and stable clip-type installation

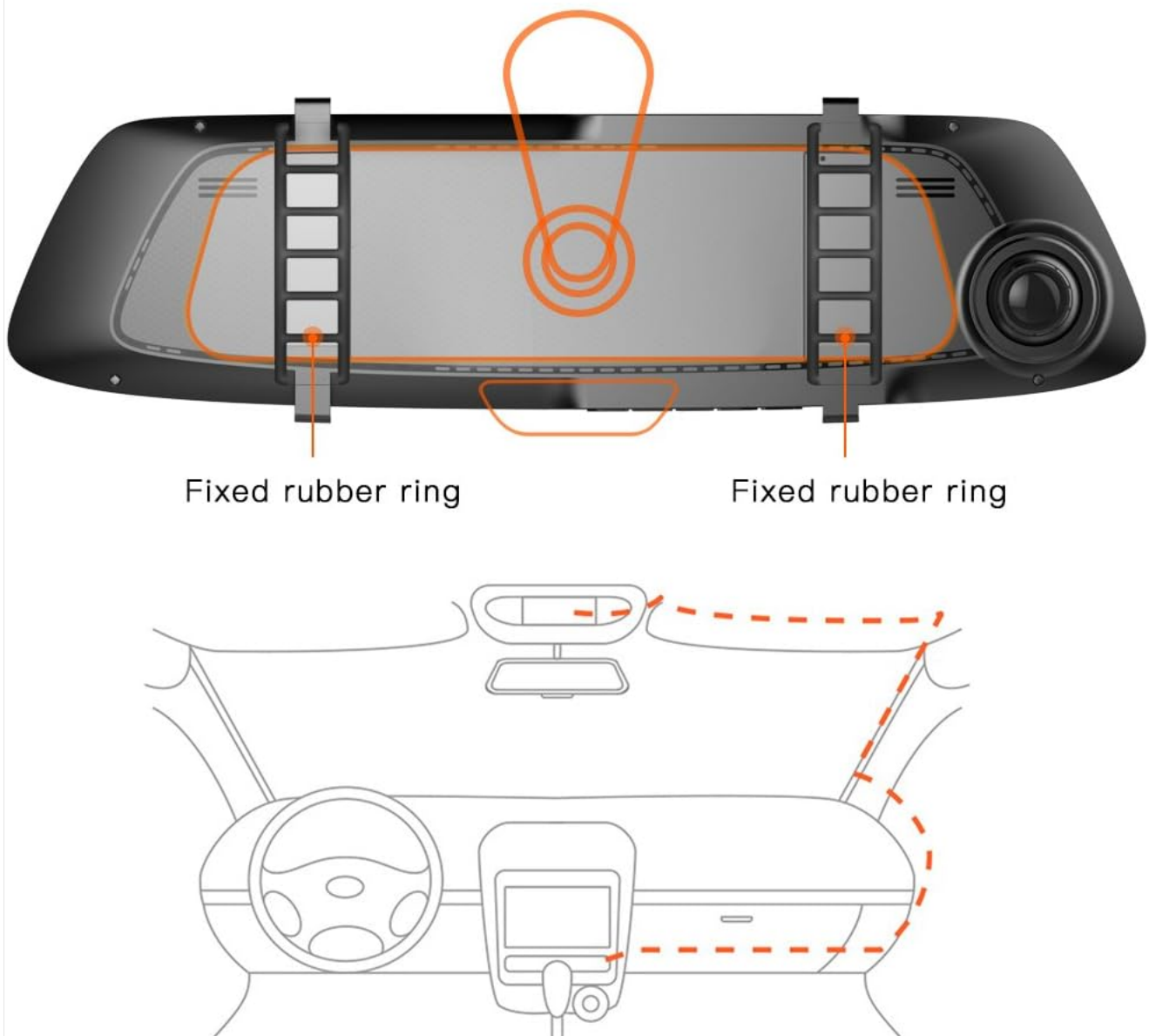


Image: A diagram illustrating the simple clip-type installation process for the mirror dash cam and cable routing.



Image: The dash cam seamlessly integrated into a vehicle's interior, displaying both front and rear camera views.

4. OPERATING INSTRUCTIONS

The TOGUARDCAR Mirror Dash Cam is designed for intuitive operation via its full touch screen. Here are the primary functions:

4.1. Power On/Off

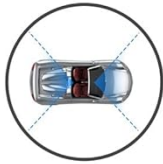
- The dash cam will automatically power on and begin recording when your vehicle's ignition is turned on.
- It will automatically power off when the ignition is turned off.

4.2. Touch Screen Interface

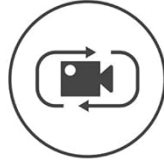
Navigate through menus, settings, and playback options by tapping and swiping on the 4.3-inch IPS touch screen. The sensitive touch screen ensures easy and quick access to all functions.

4.3. Dual Camera Recording

The dash cam simultaneously records from both the 1080P high-definition front camera (170° field of view) and the 720P rear view camera (120° field of view), providing comprehensive coverage of your driving environment.



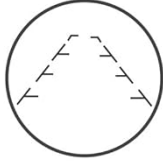
Front & rear camera



Loop Recording



G - Sensor



Rear View Mirror



Parking Monitor



Touch Screen



Image: Icons illustrating key features: Front & Rear Camera, Loop Recording, G-Sensor, Rear View Mirror function, Parking Monitor, and Touch Screen.

4.4. Loop Recording

When the memory card reaches its full capacity, the loop recording function automatically overwrites the oldest video segments with new ones. This ensures continuous recording without manual intervention.



Image: A visual representation of seamless loop recording, showing older video files being overwritten as new ones are recorded.

4.5. G-Sensor (Emergency Lock)

The built-in G-sensor detects sudden shakes or collisions. In the event of an impact, it automatically locks the current video segment, preventing it from being overwritten by loop recording. This ensures critical evidence is preserved.



Image: A diagram explaining the G-Sensor's function, showing how it locks video files upon detecting a collision.

4.6. Parking Monitor

When enabled, the parking monitor function acts as an unattended surveillance guard. If an impact is detected while the vehicle is parked and the ignition is off, the dash cam will automatically power on and record a short video, then power off again. This requires a continuous power supply (e.g., via the hardwire kit).

4.7. Rear View Display & Parking Assistance

When the vehicle is shifted into reverse gear, the dash cam automatically displays the rear camera's view on the screen, often with parking guidelines. This assists in safe parking by eliminating blind spots.

HD clear rear review

To help you park safely, backup camera will automatically show the parking image in full view when the R gear is engaged.



Image: The dash cam display showing a clear rear view with parking assistance lines, aiding in safe vehicle maneuvering.

4.8. Wide Angle Viewing

The front camera offers a 170° wide-angle view, and the rear camera offers a 120° wide-angle view. These wide fields of view capture more of the road and surroundings, reducing visual blind spots compared to traditional mirrors.

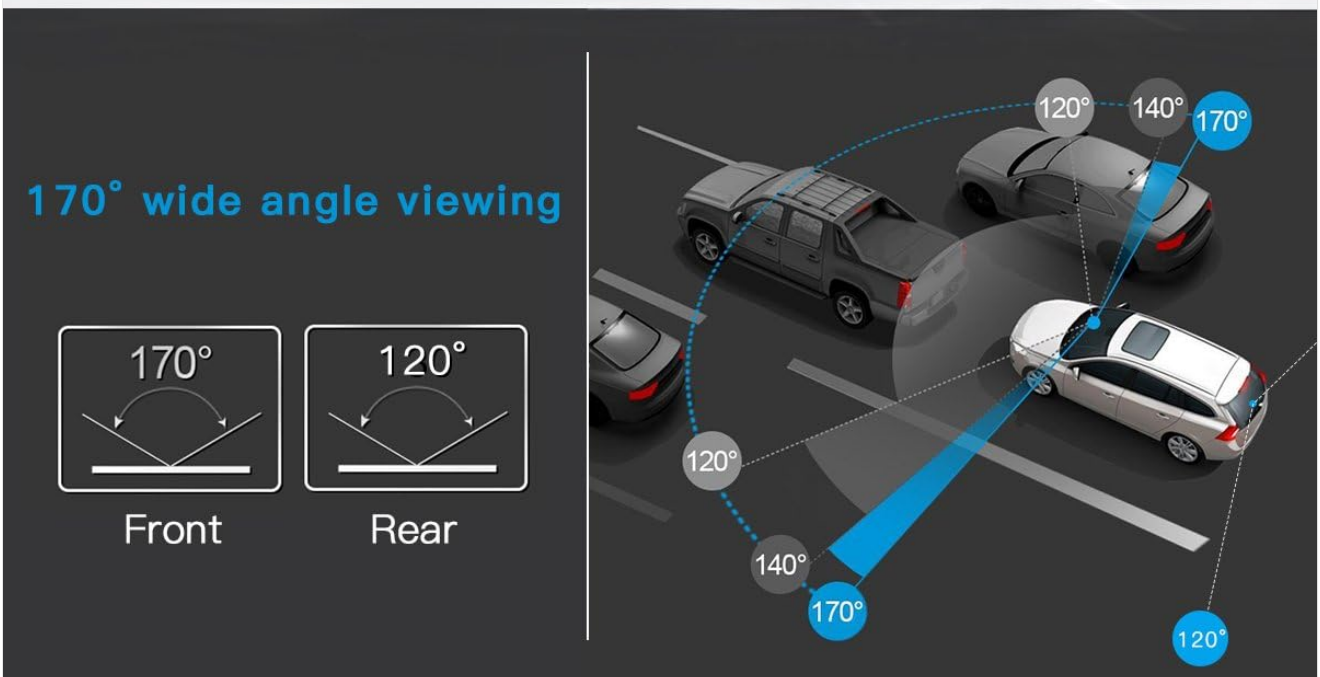


Image: A diagram illustrating the extensive 170-degree front and 120-degree rear wide-angle viewing capabilities of the dash cam.

5. MAINTENANCE

5.1. Formatting the Micro SD Card

To ensure optimal performance and prevent recording errors, it is crucial to format the Micro SD card regularly (e.g., once a month). This clears old data and maintains the card's health.

5.2. Cleaning

Use the provided dust cloth or a soft, lint-free cloth to gently clean the dash cam's screen and lenses. Avoid using abrasive cleaners or solvents that could damage the device.

5.3. Temperature Considerations

The dash cam is designed to operate within a specific temperature range. Avoid prolonged exposure to extreme temperatures (very hot or very cold) to prevent damage to the device and ensure proper function.



Image: An illustration indicating the suitable temperature range for the dash cam's operation, from cold to hot conditions.

6. TROUBLESHOOTING

If you encounter issues with your TOGUARDCAR Mirror Dash Cam, please refer to the following common problems and solutions:

- **Dash Cam Not Powering On:**

Ensure the car charger is securely plugged into both the dash cam and the vehicle's 12V power outlet. Check if the vehicle's power outlet is functioning. If using a hardwire kit, verify its connection.

- **Recording Stops or Freezes:**

This is often due to a full or corrupted Micro SD card. Format the Micro SD card within the dash cam's settings. If the issue persists, try a different high-speed (Class 10 or higher) Micro SD card.

- **Touch Screen Unresponsive:**

Try restarting the dash cam by unplugging and re-plugging the power cable. If the problem continues, a factory reset might be necessary (refer to the device settings for this option).

- **Poor Video Quality:**

Ensure the camera lenses are clean and free from smudges or dirt. Check that the protective film has been removed from the lenses. Verify that the recording resolution is set to 1080P in the settings.

- **G-Sensor Not Working Properly:**

Adjust the G-sensor sensitivity in the dash cam's settings. If it's too high, it may trigger too easily; if too low, it may not detect impacts.

- **Rear Camera Not Displaying:**

Check the connection of the rear camera cable to both the rear camera and the main dash cam unit. Ensure the cable is not damaged.

If these steps do not resolve the issue, please contact customer support for further assistance.

7. SPECIFICATIONS

Feature	Specification
Model Name	4.3" mirror dash cam (CE13)
Front Camera Resolution	1080P FHD
Rear Camera Resolution	720P
Display Size	4.3 inches
Display Type	IPS Full Touch Screen LCD
Front Camera Field of View	170°
Rear Camera Field of View	120°
Connectivity Technology	USB
Special Features	Built-In Speaker, G-Sensor, Loop Recording, Reverse Assist
Power Source	1 Lithium Polymer battery required (internal), Car Charger
Product Dimensions	12.91 x 2.95 x 0.39 inches
Item Weight	1.68 pounds

8. WARRANTY AND SUPPORT

TOGUARDCAR is committed to providing reliable road safety solutions. We offer professional customer service to assist with any issues you may encounter.

8.1. Customer Support

For technical assistance, troubleshooting not covered in this manual, or any other inquiries, please contact our customer service team. We aim to resolve any issues within 24 hours.

Please refer to the product packaging or the official TOGUARDCAR website for the most current contact information.

8.2. Warranty Information

Specific warranty details are typically provided with your purchase documentation or on the official product page. Please retain your proof of purchase for warranty claims.