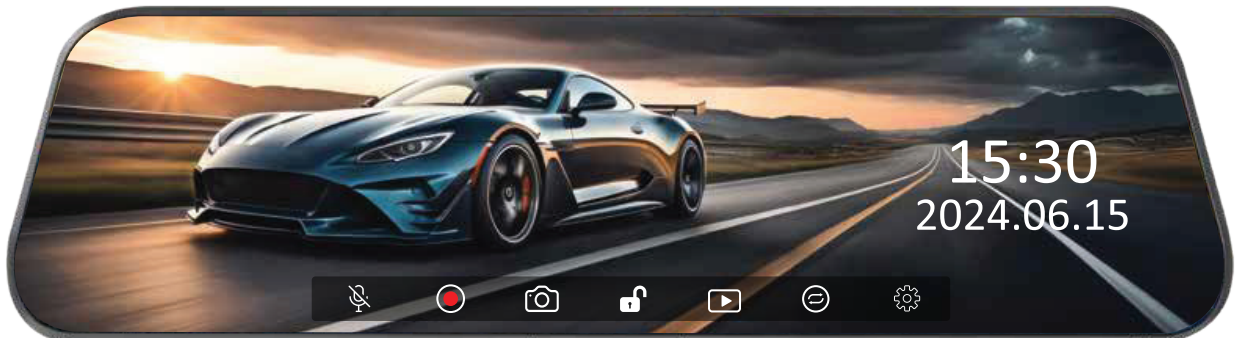


**PORODO**



**Porodo**

**Mirror Camera with Full HD  
Recording and Collision Detection**

SKU: PD-LFST086

# Table of Contents

Safety and Precautions	2
Specifications	3
Product Overview	3
Basic Function Introduction	4
A. Buttons	4
B. Recorder Function	4
Voice control streaming	5
Playback Instructions	5
Setting Function	6
System Device Menu	7
Screen Brightness	9
G-Sensor Sensor	9
Stream Media Reversing Rear View	9
Reversing Auxiliary Line Adjustment	10
Installation Guide	10
A. Power and Camera Connection	11
B. Wiring	11
Troubleshooting	11
Disclaimer	12
Disposal	13
Warranty	13
Contact Us	13

## Safety and Precautions

### **A. Warning**

- 1.** Do not operate this product while driving. Any consequences resulting from illegal use while driving are the sole responsibility of the driver.
- 2.** Do not use this product in gas stations or operate applications such as radio, Bluetooth, or video in restricted areas.
- 3.** The company is not responsible for any consequences resulting from unauthorized installation, disassembly, or modifications performed by unqualified personnel.
- 4.** Do not exceed the rated voltage during use.
- 5.** Use only the factory-standard power cord. Avoid bending, squeezing, or placing heavy objects on the power cord to prevent short circuits, device failure, or fire. The company is not liable for damages caused by third-party power cords.

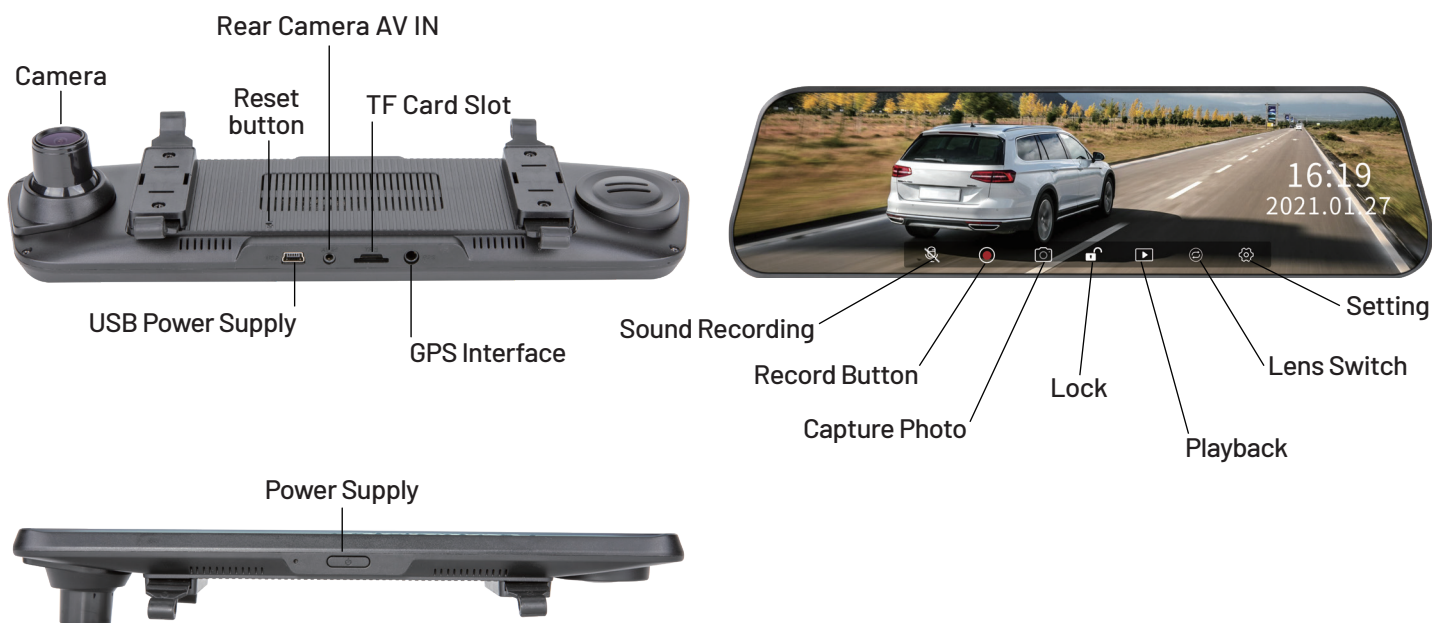
### **B. Matters Needing Attention**

- 1.** Do not press the lens forcefully. If foreign objects are attached to the main unit or rear camera lens, avoid touching the lens surface with your fingers to prevent image quality deterioration.
- 2.** The TF card undergoes continuous recording in a loop, which may result in excessive memory fragments affecting video and image storage. Regularly format the TF card using a mobile phone or computer to maintain optimal recording and storage performance.
- 3.** It is recommended to use a memory card of Class 10 or higher, with a minimum capacity of 16GB and a maximum of 32GB.
- 4.** Before using a new memory card, format it on the device to ensure stable data reading and writing.
- 5.** In case of damage, malfunction, or accidental issues, do not disassemble, repair, or replace parts of the product without authorization. Damage caused by unauthorized modifications or improper handling may void the warranty.
- 6.** Due to software or configuration updates, some interfaces and functions may differ from those described in this manual without prior notice.

## Specifications

Screen Size	9.66"
Processor	MSTAR (MSC8339)
Image Sensor	GC2053
Aperture	F1.8
Lens Angle	150°
Speaker	8Ω
Video Resolution	1080×1920P
TF Card	64GB Max (Not Included)
Working Temperature	-20°C to 70°C
Working Power Supply Voltage	DC5V
Working Power Current	>3A

## Product Overview



# Basic Function Introduction

## A. Buttons

### A.1 Power On/Off Function

1. When the device is powered off, short press the Power Key to turn it on. The device will start automatically.
2. When powered on, long press the Power Key for 2 seconds. The device will save video files and user settings before shutting down.








### A.2 Reset Function

1. If the recorder experiences a system malfunction, press and hold the Power Key for 8 to 10 seconds. The system will reset, enter shutdown mode, and can be restarted with a short press of the Power Key.
2. If the recorder crashes, short press the Reset Button to shut it down. Then, short press the Reset Button again to restart the device.


## B. Recorder Function

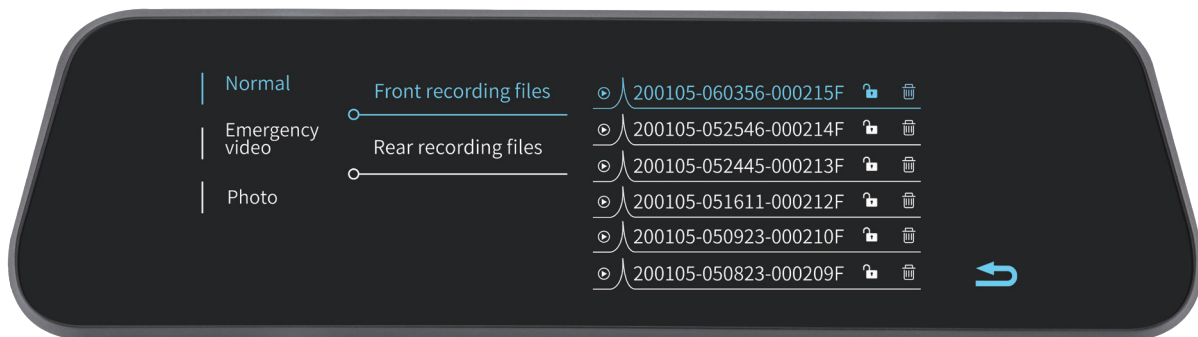
1. When the car engine starts, the recorder will automatically turn on and begin recording.
2. To operate the recorder manually, press any button on the touch screen. The toolbar will appear at the bottom of the recorder screen.



	<b>Recording Button:</b> Click to start or stop recording.
	<b>Lens Switch Button:</b> Click to switch between front and rear camera views.
	<b>Playback Button:</b> Click to access the video playback interface.
	<b>Record Button:</b> Insert a TF card, then click to start or stop recording.
	<b>Take Photo Button:</b> Click to capture a photo.
	<b>Lock Button:</b> Click to lock or unlock the current video file.
	<b>Settings Button:</b> Click to enter the system settings interface.



## Voice control streaming

1. The machine can be operated using designated voice commands. The icon in the lower right corner of the main preview page  represents the voice command function.
2. Clicking this icon will display eight voice commands: Turn on the screen, Turn off the screen, Display before recording, Display after recording, Open recording, Close recording, Emergency recording, Take a photo, and Playback function.
3. Before entering playback mode, stop any ongoing recording.
4. Click the playback button on the homepage to access playback mode. There are three folders available in playback mode.





## Playback Instructions

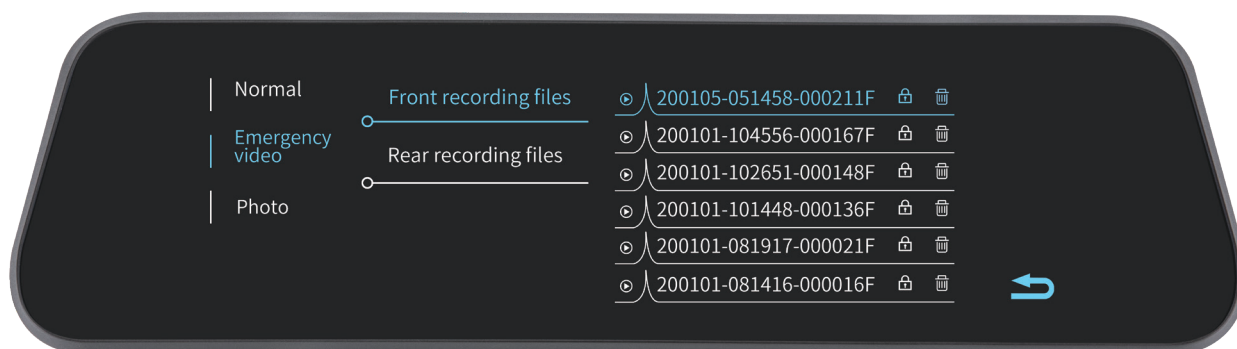
### A. [Normal] Folder

1. Select the Normal folder to preview recorded video files (corresponding to the video/F folder of the TF card). The preview window on the right is divided into front and rear video files.
2. Click the icon  behind the file name to lock the video files. Locked files will not be deleted automatically.
3. If there are more than six video files, they will be displayed in pages that can be navigated by sliding up and down.
4. Select the desired video file name and click to play the video.
5. Click the icon  in the lower right corner to return to the previous menu.



### B. [Emergency Video] Folder

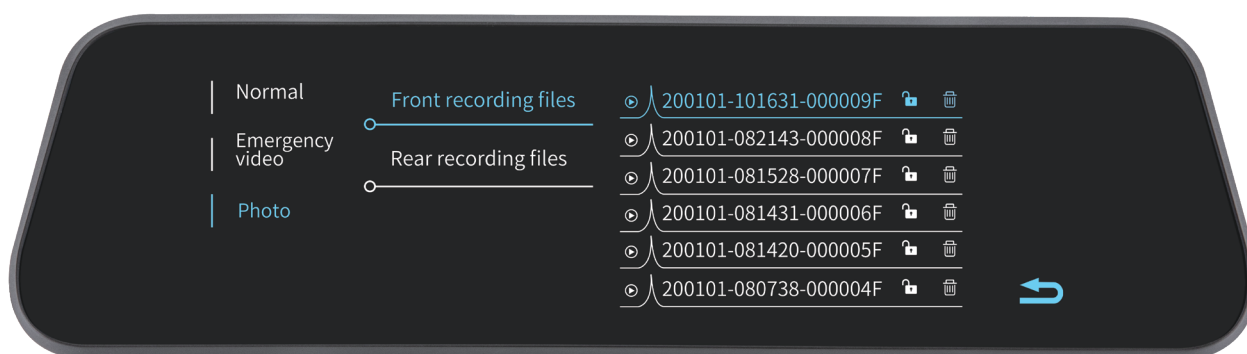
1. Select the Emergency Video folder to preview locked video files. The preview window on the right displays both front and rear video files.
2. Click the icon  behind the file name to unlock the video files.

3. If there are more than six video files, they will be displayed in pages that can be navigated by sliding up and down.
4. Select the desired video file name and click to play the video.
5. Click the icon  in the lower right corner to return to the previous menu.




## C. [Photos] Folder

1. Select the Photos folder to view stored photo files. The preview window on the right displays both front and rear photos.
2. If there are more than six files, they will be displayed in pages that can be navigated by sliding up and down.
3. Click the icon  behind the file name to lock the photo. Locked photos will not be overwritten or deleted.
4. Click the icon  in the lower right corner to return to the previous menu.



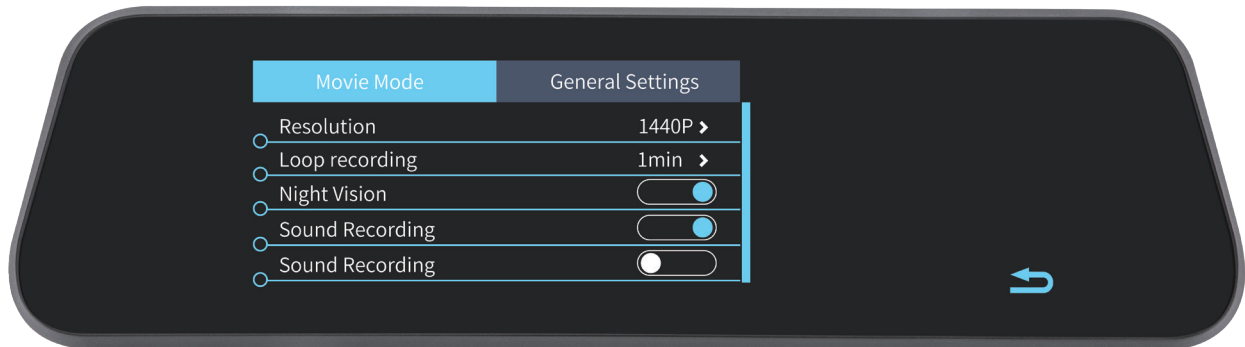
## Setting Function

Before entering the settings menu, stop any ongoing recording. Click the settings icon  to access the settings menu.

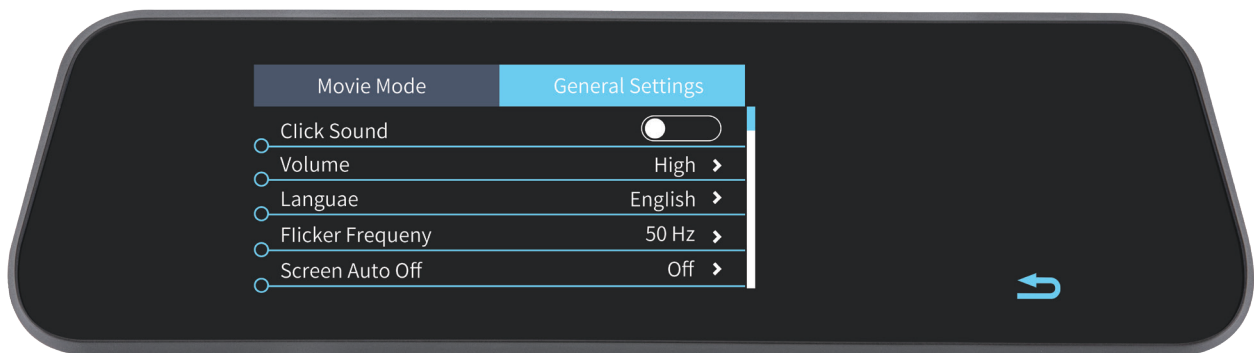
1. Recording Mode (Resolution): Select between 1440p, 1080p, or 720p recording. This setting applies only to the front camera and does not affect the rear camera.
2. Cyclic Video Recording (Film Editing Time): Set the recording loop duration. Available options are 1, 3, or 5 minutes, with a default setting of 1 minute.




- 3. Matte Night Vision:** Choose the video duration for night vision recording. Options include 1, 3, or 5 minutes, with a default setting of 1 minute.
- 4. Sound Recording:** Enable or disable audio recording. When disabled, no sound will be recorded in video files.
- 5. Parking Monitoring:** Enable or disable the parking monitoring function. When activated, the recorder will automatically start recording upon detecting a collision.



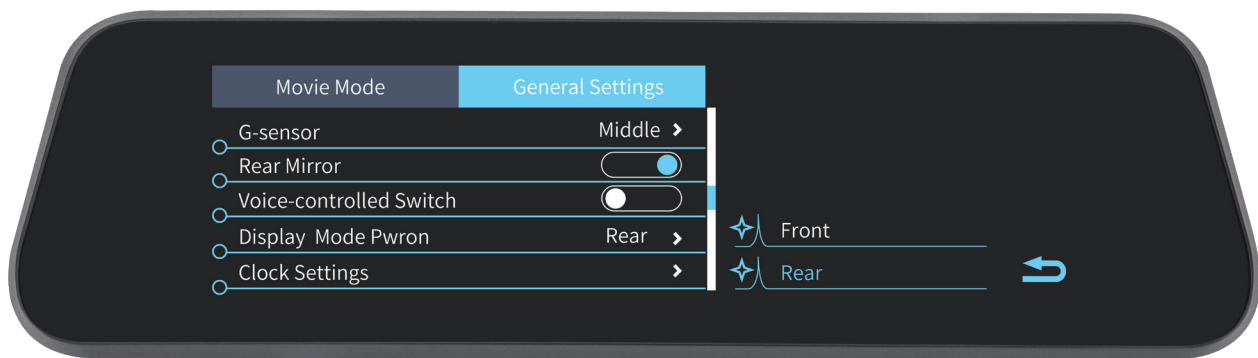
## System Device Menu



There are 15 sub-menus in the system equipment menu. If more than six sub-menus are available, they will be displayed in pages that can be navigated by swiping up and down. Click the icon  in the lower right corner to return to the main preview page.

- 1. Button Sound:** Enable or disable button sound.
- 2. Volume:** Adjust the volume level to high, medium, or low. The default setting is high.
- 3. Language Type:** Select a language from English, Simplified Chinese, and Traditional Chinese. The default setting is Simplified Chinese.
- 4. Flashing Frequency:** Choose the flicker frequency based on regional standards: 50 Hz or 60 Hz. The default setting is 50 Hz.
- 5. Automatic Screen Off:** Set the screen saver time or disable it as needed. Available options are 1 minute, 3 minutes, or off.





**6. Protection Sensitivity:** Adjust the sensitivity of collision gravity sensing. Available options are high, medium, low, and off. The default setting is medium.

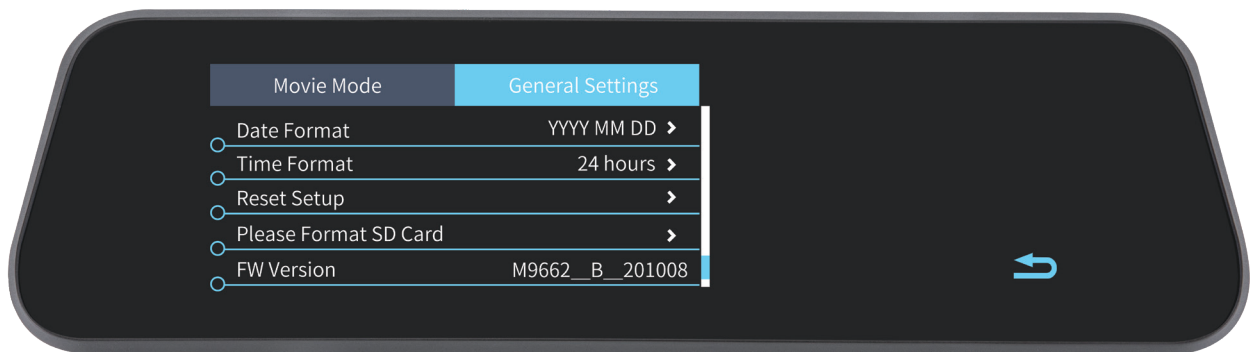
**7. Date Format:** Select a date display format from the following options:

- Year, month, day
- Month, day, year
- Day, month, year

**8. Back Mirroring:** Enable or disable the back mirroring switch.

**9. Voice Control Switch:** Turn voice control on or off. Once turned off, voice control will be disabled.

**10. Power-On Display Mode:** Choose whether to display the front camera or back camera when the device is powered on.



**11. Clock Setting:** In the menu settings interface, users can set the date and time using the up and down arrows to adjust the values. Press the OK button to confirm and exit.

**12. Time Format:** In the menu settings interface, users can customize the date format.

**13. System Reset:** In the menu settings interface, selecting this option will restore all system menu settings to their factory defaults, except for the clock settings.

**14. Format SD Card:** In the menu settings interface, users can format the SD card when needed. Please note that formatting will erase all contents of the SD card.


**Note:** To accurately record the date and time for collecting evidence in driving


safety incidents, please set the correct time before using this device.

**15. Firmware Version:** In the menu settings interface, users can view the firmware version, which represents the software version number of the device. Select this option to check the software version.

## Screen Brightness

**1. Automatic Adjustment:** In the main interface, users can enable or disable the automatic brightness adjustment function. Click the icon to toggle the setting.

**2.** When the  icon appears in blue, the automatic brightness adjustment is enabled, and the device will automatically adjust the screen brightness based on ambient light.

**3.** When the  icon appears in white, the automatic brightness adjustment is disabled.

**4.** After disabling this function, users can manually adjust the screen brightness by dragging the brightness slider in the preview interface.



## G-Sensor Sensor

The device features a built-in collision sensor (G-sensor). In the event of a serious vehicle collision, the recorder will lock the current image data at the time of impact. A lock icon will appear in the upper right corner of the screen, indicating that the file has been locked. This locked file will be saved as a protected file and will not be overwritten by loop recording.

**1. Locked File Naming:** Locked video files start with "EMER," while regular recordings start with "FILE."

**2. Sensitivity Adjustment:** The G-sensor's sensitivity can be adjusted in the settings menu according to actual requirements.

## Stream Media Reversing Rear View

To enable the reversing rear view feature, follow these steps:

**1.** Connect the rearview lens to the installation cable.

**2.** Connect the reversing detection line from the installation cable to the positive

terminal of the reversing light.

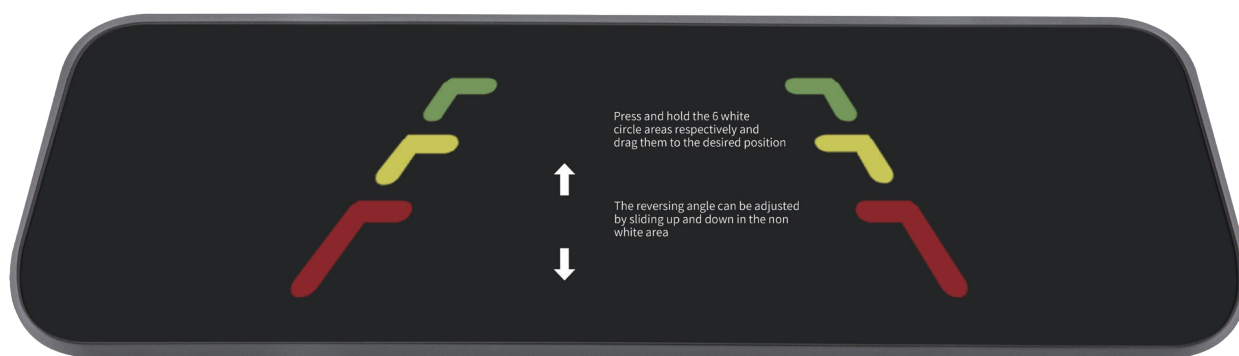
**3.** In video mode, switch to reverse gear to activate the rearview lens. The screen will automatically display the reverse image.

**4.** Once the reverse gear is disengaged, the system will automatically return to normal video mode.

**5.** In the rearview lens interface of video mode, users can adjust the height of the rearview display:

**5.1** Adjusting Viewing Height: Slide the screen up or down to modify the viewing area of the rearview lens.

**5.2** Adjusting Reverse Display Height: When entering the reversing interface, slide the screen up or down to adjust the reverse display height. Both heights can be adjusted separately.



## **Reversing Auxiliary Line Adjustment**

**1.** Shift into reverse gear to enter the preview interface of the reversing auxiliary line.

**2.** Press and hold the area marked by the six white dots in the figure below to adjust the auxiliary line to the desired position.

**3.** Once the vehicle exits reverse mode, the system will memorize the current auxiliary line position.

**4.** To restore the auxiliary line to its factory default position, select System Reset in the menu.

## **Installation Guide**

**1.** Turn off the car engine.

**2.** Insert the TF card into the recorder's card slot. If using the SD card for the first time, format it on this device.

**Note:** Use a high-speed TF card (Class 10); supports up to 64GB.

**3.** Secure the recorder onto the car's original rearview mirror.

### **A. Power and Camera Connection**

**1.** Connect the B+ terminal of the BMW cable to the car's battery. Then, connect the ACC of the BMW cable to the ignition terminal of the car (ACC).

**2.** Install the rearview camera at the back of the vehicle, ensuring it is positioned correctly. Route the wiring along the vehicle's roof. Once installed, connect the rearview camera to the cable's rear-view camera extension port.

**3.** Insert the car charger into the cigarette lighter socket. Use the charging extension cable to connect the recorder's USB port to the car charger.

### **B. Wiring**

**1.** Route the charging extension cable along the car's windshield edge.

**2.** Install the rear camera at the back of the vehicle, ensuring proper alignment.

**3.** Wiring can be routed along the vehicle's roof. Once installation is complete, connect the rear plug to the recorder's rear camera interface.

**4.** Adjust the lens position to ensure it is level with the ground.

**5.** Start the engine and verify that the device is installed correctly.

**Note:** When the device is installed correctly, its display will light up, indicating that it has entered recording mode. The video icon will flash to confirm recording is active. Please check whether the displayed image is normal.

## **Troubleshooting**

If your device is not functioning normally, please refer to the following troubleshooting steps. If the issue persists, contact a customer service center for further assistance.

Problem	Possible Cause	Solution
Cannot Power On	The power cord is not securely connected.	Reinsert the power cord securely.
	The power supply is not being used correctly.	Replace the power cord with the factory-provided one.

Cannot Record Video	The memory card is not inserted.	Ensure the memory card is inserted.
	The memory card is damaged.	Replace the memory card if it is damaged.
	The inserted memory card does not meet the required specifications.	Insert a memory card that meets the device's requirements.
Rearview Camera Not Detected	The post-recording plug is loose.	Insert the back-recording plug firmly.
	The extension cord or rear lens is damaged.	Replace the extension cord or rear lens if damaged.

## Disclaimer

1. The camera is intended as an auxiliary tool and does not guarantee driving safety or assume responsibility. Drivers should remain vigilant and take necessary precautions based on road conditions.
  2. As an electronic product, the camcorder's video recording may be interrupted due to component failure, memory card instability, power interruptions, or band detachment. Therefore, it cannot serve as a substitute for insurance.
  3. The video content recorded by the camera is for legal purposes; however, the company does not guarantee its legal validity or admissibility as evidence. The recorded footage is for reference only, and the company assumes no legal responsibility for its use.
  4. The company provides a limited warranty that applies only to the camera itself. It does not cover auto parts or other components beyond the product. Additionally, the company does not offer warranty or compensation for damages caused by improper installation, prolonged exposure to sunlight, or environmental factors. The strap may detach over time, potentially damaging the product or the vehicle's interior. The company is not liable for such damages.
- The installer should ensure the device is securely mounted. Users should regularly check the camera's stability and functionality. If any issues arise, the installer should be contacted immediately to resolve them before use.

## Disposal

This product must not be disposed of as unsorted household waste. It is important to separate such waste for proper treatment and recycling, in compliance with local waste management regulations.

## Warranty

Products that you buy directly from our **Porodo** website or shop come with a 24-month warranty.

When you buy **Porodo** products from any of our approved sellers, you only get a 12-month warranty. If you want to extend this warranty, go to our website at **porodo.net/warranty** and fill out the form with your information. Don't forget to upload a picture of the product too. After we've checked and accepted your request, we'll send you an email to confirm that your product's warranty has been extended.

For more info, please check:

**porodo.net/warranty**

## Contact Us

If you have any questions about this Privacy Policy, please contact us at:

**info@porodo.net**

Website: **porodo.net**

Service Support: **support@porodo.net**

Instagram: **porodo**