

ACUMEN



XR10

Introduction

Thank you for choosing Acumen. XR10 is designed to solve accident investigation problems. It can also be used in different situations, such as meeting recording, supervision, and road-trip recording. Acumen strive to design better cameras to make your driving experiences better and safer. Acumen XR10 features the leading technologies in the industry, such as seamless loop-recording, wide-angle recording, real-time playback, parking mode, advanced driving assistance system and G-sensor. Along with its fashionable streamlined design, XR10 is one of the most favored products by customers.

Notice

Please read the instructions carefully and understand the warnings in this user manual before operation. We hope this device meets all of your needs. As the specifications maybe changed due to technical upgrades, Acumen reserves the right to change, modify, add or remove portions of these terms at any time without prior notice. Actual product may differ.

Privacy Notice

Please note that this product is for personal use only and may not be used in violation of national or international copyright/privacy laws. That is, the recorded images are for personal use only and may not be distributed to the public. Also, please note, the use of this product to record images of performances, exhibitions or commercial activities may infringe the legal rights of others.

Installation Notice

This product should be installed close to the rear view mirror for the best view. However, some states prohibit drivers from mounting anything on windshield or on certain area of the windshield. It is owner's responsibility to mount or use of this device in compliance with local laws.

To ensure a good view in rainy environments, please make sure the camera is placed within the reach of the windshield wiper. Do not touch the lens with your fingers, as the grease on your fingers may remain on the lens, making the photos and videos unclear. Please clean the lens regularly.

Warning

Disassembling the device may void the warranty.

Please read the instruction carefully before connecting the power cable or ask for professional help.

Do not try to change any settings while driving. Do so after you pull off the road.

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Product Accessories

The following items are product accessories. If there are any missing or damaged items, please contact seller immediately.



Rearview mirror
Rubber bands



Fusebox
Power Cable



Back-up
Camera



12v Power
Cable



Backplate



Mirror mount



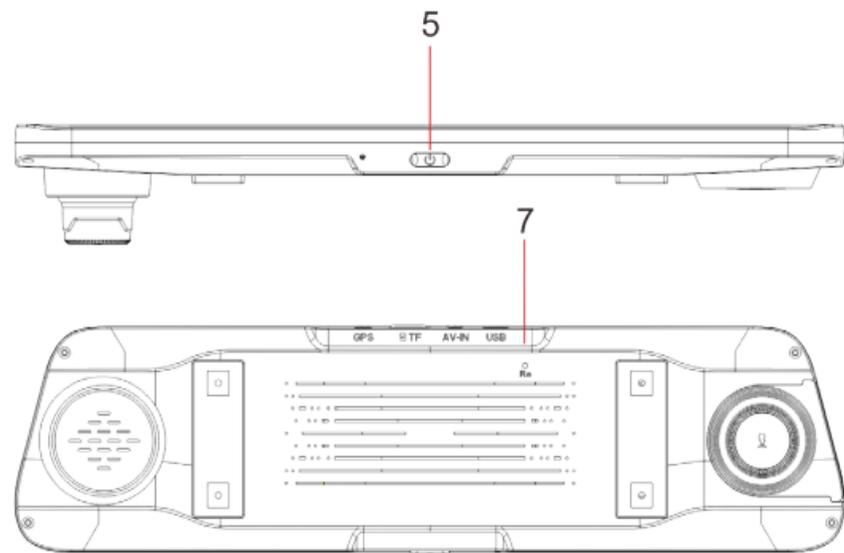
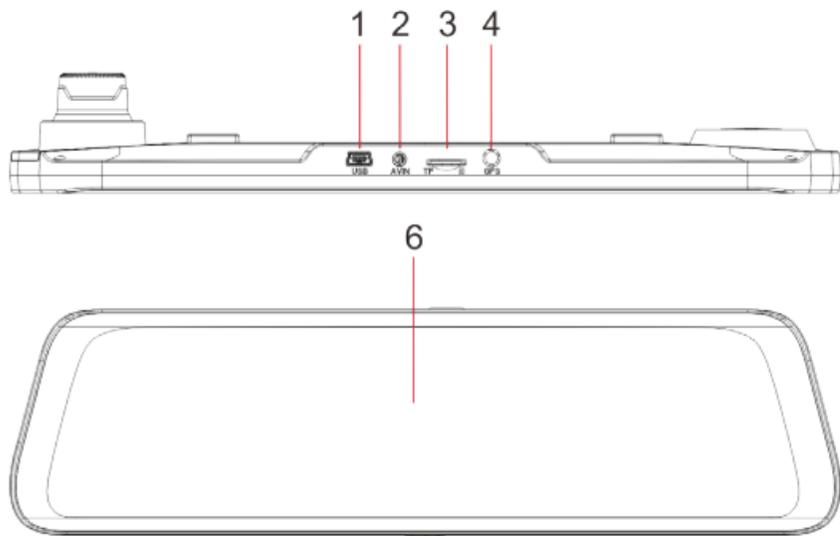
Universal
Mount point



Acumen
Warranty Card

The pictures above are for refernces only, actual product may differ.

Product Guide



Product Guide

| | | |
|---|------------------|---|
| 1 | USB Port | Plug in the 12v power cable into the mini USB port |
| 2 | Back Up camera | Plug in the backup camera cable into this port |
| 3 | Memory card slot | Micro SD memory card slot make sure it is inserted in the correct direction. |
| 4 | GPS Port | Plug the extern GPS cable |
| 5 | Power Button | Press the power button to temporarily turn off screen, hold to turn the unit off. |
| 6 | Screen | 9.66" touch screen |
| 7 | Reset Button | Access the reset button with a pin to reset the system |

Notice

1. Plug in the memory card into the SD slot: Please follow the direction on the device to insert the memory card. Keep pushing until it clicks and locks in place. XR10 is a high bit-rate dash camera. It requires high speed rating SDcards, so please use high speed memory card to support this dash cam (at least class 10).
Note: Please format the new SD card before use.

Remove the memory card

Press the memory card, the card will pop out of slot.

Note: Do not remove or insert the card while the device is in use.

Turn off the device before removing the card to avoid damaging the card.

Initial Settings for the Device:

1. In the menu home page, click the setting icon to enter the settings menu.
2. Use the touch screen to choose date and time
3. Press **OK** to select or   to change. Once done, press **OK** to save the settings.

Video Recording

1. The device will automatically start recording when powering. Recording will stop after the car is off. Or use the  button to manually stop recording.
2. For other types of recording: Press  button to start recording; Press  again to stop recording.

Note:

- Choose either 1-min, 3-min or 5-min to split your video files length to selected setting.
- The camera automatically delete the oldest file when memory card is full.
- Locked videos won't be overwritten and will need to be manually deleted.

3. Emergency Recording

If the G-sensor is turned on, the G-sensor will trigger the camera to lock and protect the footages if a collision is detected.

Playback

1. the playback icon is on the home page. Click  to enter the playback interface.
2. Files with  icon are regular videos. Files with  icon are locked files. Files with  icon are front camera videos. Click  Again to switch to backup camera videos. Files with  icon are backup videos. Click on the desired file to play.
3. In the playback preview mode, swipe up or down to choose videos;
4. Click on the thumbnail of the video you want to play. Click  to start playing the video, click  to pause the playback; Click  to play the last video, click  to play the next video; click  to lock a single file; click  to delete a single file; click  to exit the playback interface and return to the preview mode;
5. Click  to exit the playback interface and return to the recording menu.

Features

ADAS

With advanced visual algorithm, the XR10 smart dash camera is able to alert the driver when necessary.

Lane Departure Warnings: The XR10 smart dash cam will alert the driver when it detects the vehicle drifted apart from the center of the lane.

Forward Collision Warnings: The XR10 smart dash cam will detect the distance of the car ahead and alert the driver to keep distance.

G-Sensor

After turning on the G-sensor, the G-sensor will automatically trigger the camera to lock and protect footages after collisions.

You may change the sensitivity level in the settings to Off-low-medium-high.

Parking Mode (Turned off by default)

- 1) After turning on the parking mode, the camera will be turned on automatically, if the vehicle receives external forces. The camera will record 10-20 seconds after the collision and then shutdown, until another collision detected.
- 2) The files will be saved automatically.

Note:

1. The parking monitoring only works if the dash cam is automatically turned off. The parking monitoring doesn't work if the dash cam is manually turned off.
2. The screen will be in screensaver status under parking mode.
3. The parking mode feature will be hidden if you use the buck line. This feature only works if you use the cigarette lighter as the power source.

Time-lapse video function

When the vehicle is turned off, the recorder automatically enters the low frame rate time-lapse recording mode (turned off by default). After the time-lapse recording function is activated, the screen display will be automatically turned off in 10 seconds. When the dash cam detects the car battery voltage is lower than the preset protection value, it will automatically shut down to protect the car battery voltage;

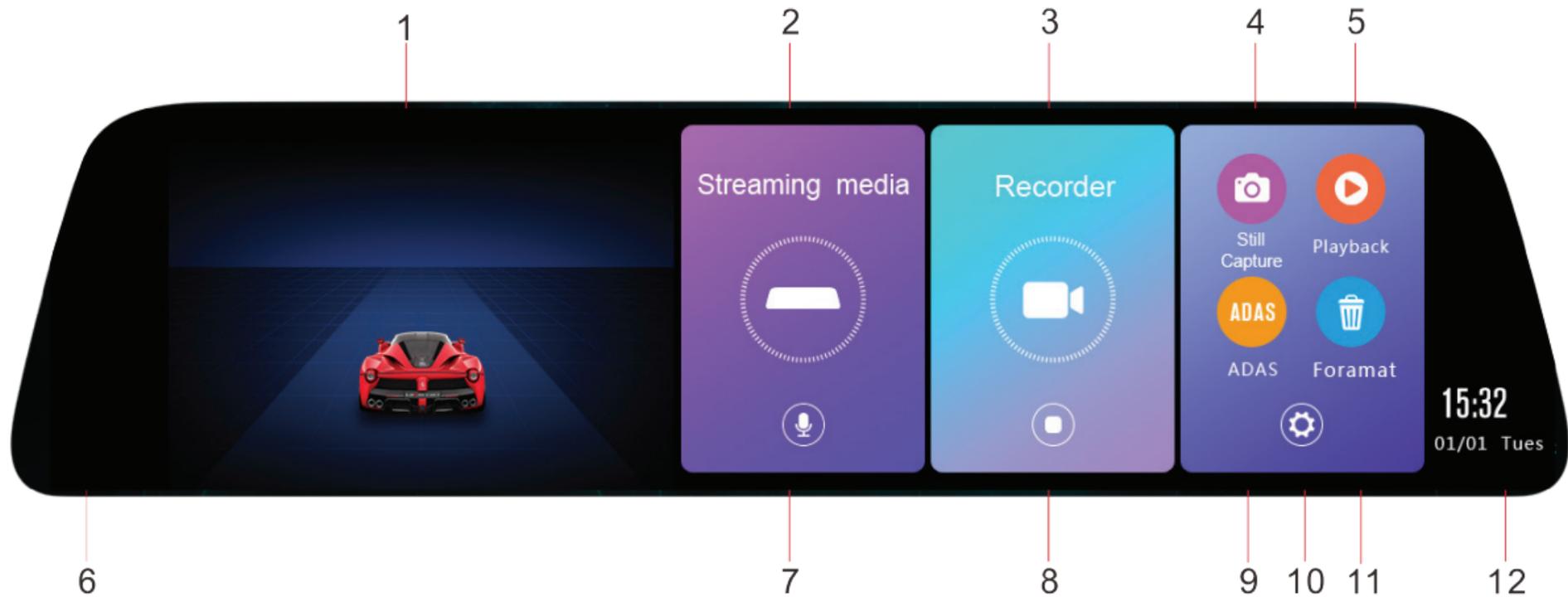
Note:

The time-lapse recording works only if you use the fuse box as the power source. This feature will be hidden if you use the cigarette lighter as the power source. A tap on the touch screen will not wake up the device under time-lapse recording mode. To wake up the device, you will need to tap the power button. However, the touch screen will not work unless the device is connected to ACC power source.

Backup camera

Connect the power cable to the backup camera. Then connect the red power cable to the positive line of the backup light. After turning on the car, the screen should display backup camera view when shift to reverse gear and switch back to recording mode once it's not in reverse gear.

If the dash cam malfunctions or crashes during use, you can perform a system reset by pressing the RESET button using a small needle



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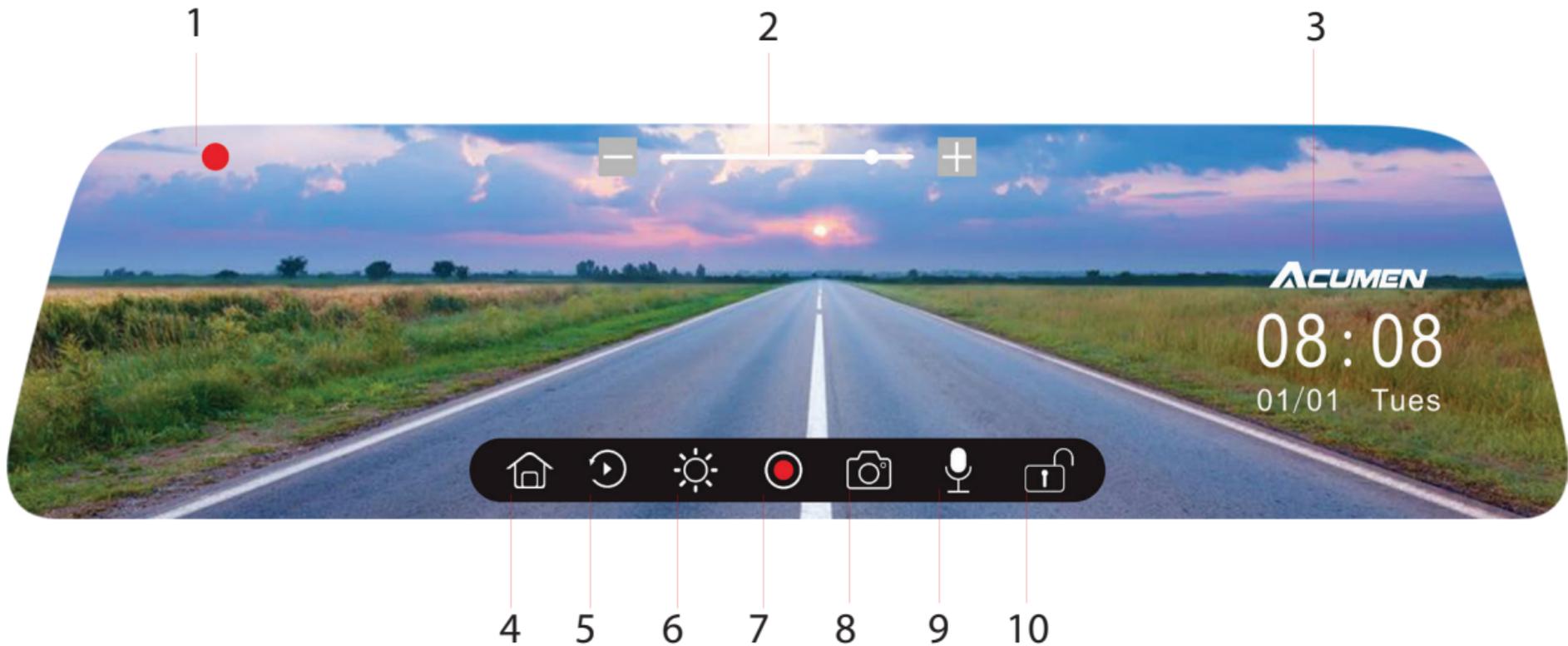
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1. Speed display: Speed will be displayed here after connecting to external GPS. No speed will be shown if the external GPS is disconnected.
2. Streaming Media: Display backup camera footage.
3. Recorder: Display dash camera footage.
4. Still Capture: Take a picture.
5. Playback: Enter the playback menu.
6. Compass: Connect the external GPS to show compass
7. Sound recording: Turn on/off the microphone.
8. Start/ Pause: Tap this icon to start/pause recording
9. ADAS: Tap this icon to turn the ADAS function on/off.
10. Settings: Tap this icon to enter settings menu.
11. Format: Tap this icon to format the SD card.
12. Date and time: display the current date and time;



1. Red dot: The red dot indicates the camera is currently recording;
2. Brightness: Tap this icon to adjust the brightness;
3. Time display: Display system time. Please set it up before use;
4. Home: Tap the home icon to go to home page;
5. Playback: Tap the playback icon to enter the playback interface;
6. Brightness: Tap this icon to adjust the brightness;
7. Start/pause: Tap this icon to start/pause the recording;
8. Photo: Tap the picture icon to take a picture;
9. Sound recording: Tap this icon to turn on/off the microphone;
10. Lock: Tap this icon to manually lock the current video. The locked video won't be overwritten by loop recording



- 1.Back: Tap this icon to exit the playback interface;
- 2.Regular videos: Regular video files;
- 3.Video folder: Swipe up and down to choose files. Click on the file to play the video;
- 4.Header: Display the current file storage page;
- 5.Locked files folder: Tap this icon to view the locked video files;
- 6.Photo folder: Tap this icon to view the photo files;
- 7.Front view folder and back view folder: Tap this icon to switch to front view folder and the back view folder;
- 8.Date and time: Current date and time display;
- 9.Playback video thumbnail: Tap this thumbnail to play the current video;

Settings

| | |
|-----------------------|---|
| Product Name | XR10 |
| Core Type | Dual Core |
| Special Features | High Resolution Videos, Touch Screen ADAS |
| Video Pixel | 3 Megapixel |
| Picture Pixel | 8 Megapixel |
| Date and Time Display | Support |
| Operation Memory | 1024 M |
| Lens Aperature | F2.0 |
| Night Vision | Support |
| Motion Detection | Not Supported |
| Screen Size | 9.66" |
| Lens | A+ High Resolution Wide Angle Lens |
| Language | Simplified Chinese English |

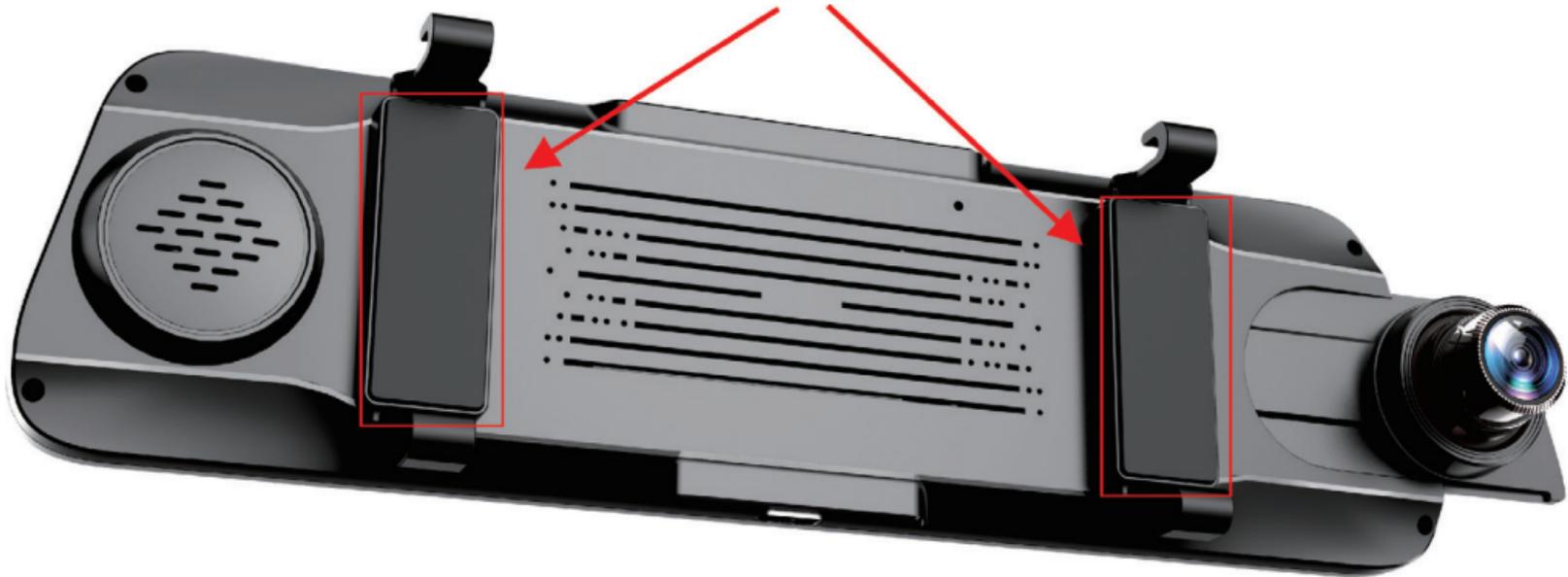
| Settings | |
|----------------------|---|
| Video Format | MOV |
| Picture Format | JPG |
| Video Resolutions | 1920 x 1080 / 1280 x 720 |
| Color Effect | Standard |
| Loop Recording | Seamless Loop Recording |
| G-Sensor | Supports low, medium, high settings |
| Auto Shut Down | Auto on when ignition, auto off when engine is turned off |
| Memory Card | TF/Micro SD from 8GB to 128GB, recommend class 10 SD card |
| Backup Camera | Support |
| Microphone | Support |
| Built in Speakers | Support |
| Time Lapse Recording | Support |
| Frequency | 50HZ/60HZ |

Settings

| | |
|--------------|----------|
| USB Function | Power in |
| Parking Mode | Support |
| Power Input | 5V 2.5A |
| Batter | 500 MAH |

Screen Installation

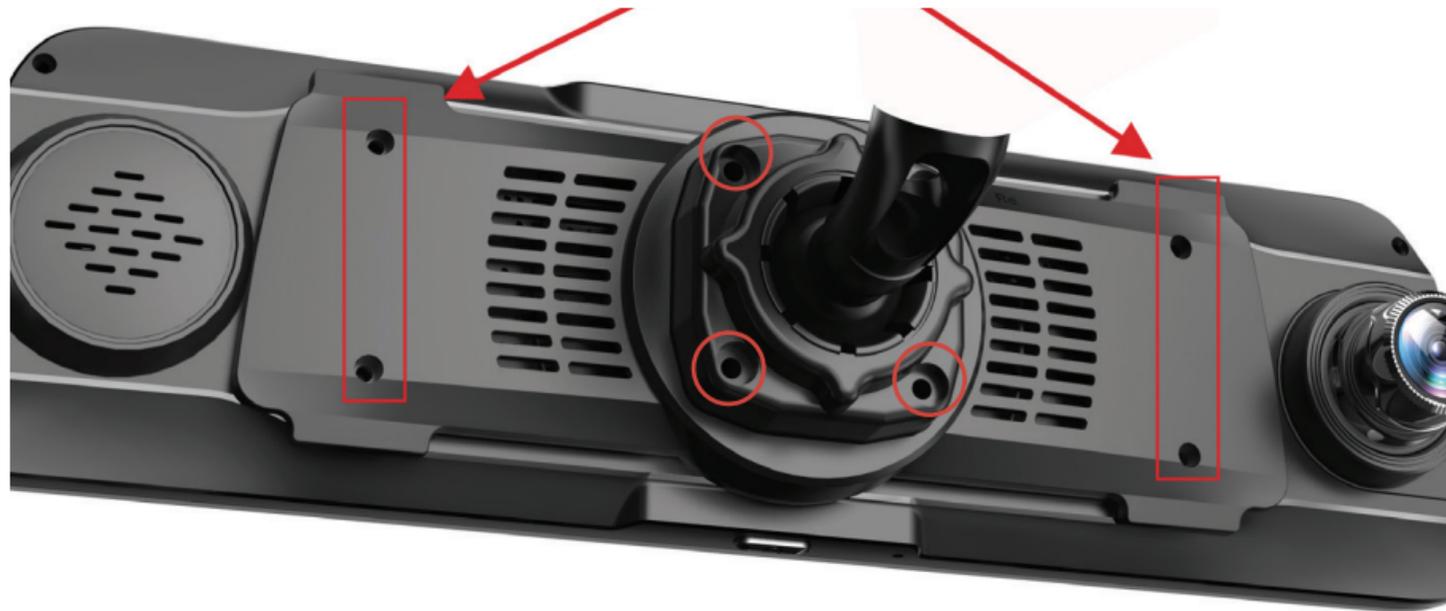
- 1.Remove the existing mirror
- 2.Take off the elastics on the back.
- 3.Peel off the rubber tape and you will see four screws.



4. Unscrew the 4 screws and place them in a safe place. Do not lose them.
5. Take off the two bands attachment on the back and screw on the backplate onto the dash cam, using the screws removed earlier.



6. Use the other 4 screws included to screw the roatable mirror mount onto the backplate



Trouble Shooting

Please refer to the following possible solutions for problems. If the problems cannot be solved, please contact our support department immediately.

1. Camera does not turn on.

Check if the cable is installed correctly; or remove the memory card and reboot.

2. Randomly stops while recording. Does not overwrite old files:

Due to the large amount of HD video data, it is possible that the speed of the memory card cannot support the large amount of data. Please use a high speed TF card to ensure seamless recording (at least class 10).

3. The film was not clear:

Please check the lens for fingerprints or grease. Clean the lens surface before use and clean the lens regularly.

and glare may affect the video quality.

4. The video quality is not consistent:

The video quality is subject to the lighting environment. Backlighting, frontlighting and glare may affect the video quality.

5. There are streaks in the image:

This is due to the wrong "light source frequency" setting under the fluorescent light. The domestic frequency is "120HZ".

Disclaimer

The audios and videos recorded by the recorder are for reference only.

Special notice: The camera works well under normal conditions.

However, the following situations may damage or even lose the data:

1. Pulling out the SD card while recording, may lose the last recorded file.
2. The last image or video may be damaged or lost, if the camera suddenly lost power.
3. If the camera experienced devastating collision while recording, the files and data may get damaged or lost.
4. Severe collision during recording may loosen the memory card and lead to the loss of data of the current footages.

The audios and videos recorded by the recorder are for reference only. The company is not liable for any type of loss resulting from the use of this device.