

IRO

Full HD Dashcam

Exclusively for Tesla Model S AP2

Product Manual

Introduction

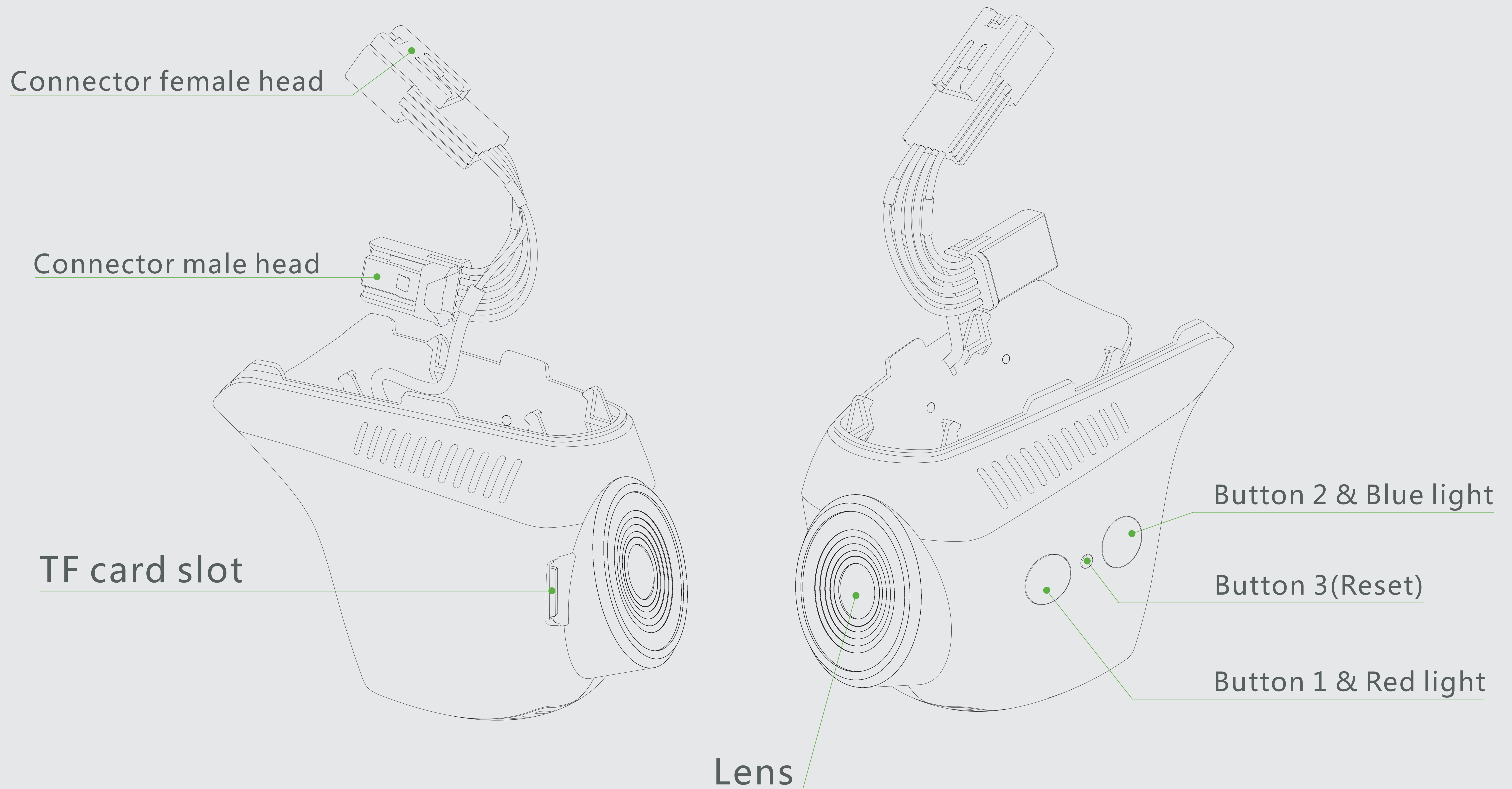
Please read this manual completely before beginning your installation.

Thank you for your purchase of the IRO Dashcam.
Your new IRO Dashcam is only for use in Tesla Model S with Autopilot 2.0.

Your IRO Dashcam can record up to 1920x1080 full HD video. Using your smart phone app, you can connect your phone to your IRO Dashcam using the built-in WiFi. You may use your smart phone to view real time video from your camera, as well as play video, save video, and download video. The IRO Dashcam may be completely controlled via the smart phone app.

Note: We are always working on updating the IRO Dashcam.
If you find any discrepancy in this manual, please use the information found with the DVR app.

Product Structure



Button 1 & Red light.

Short press to turn on the dashcam . Long press to turn off the dashcam.
Short press to take a photo while recording. Red light on means standby.

Button 2 & Blue light.

When car is powered on, the blue light will flash slowly to indicate that the IRO Dashcam is recording. While recording a short press of this button will lock the video to prevent it from being recorded over.The button will flash green rapidly. A long press of this button will stop recording.

Button 3: Reset button. Press and hold for two seconds.

NOTE: Audio recording is ON by default. If you wish to disable audio recording, simply mute the audio using the smart phone app.

Installation Video

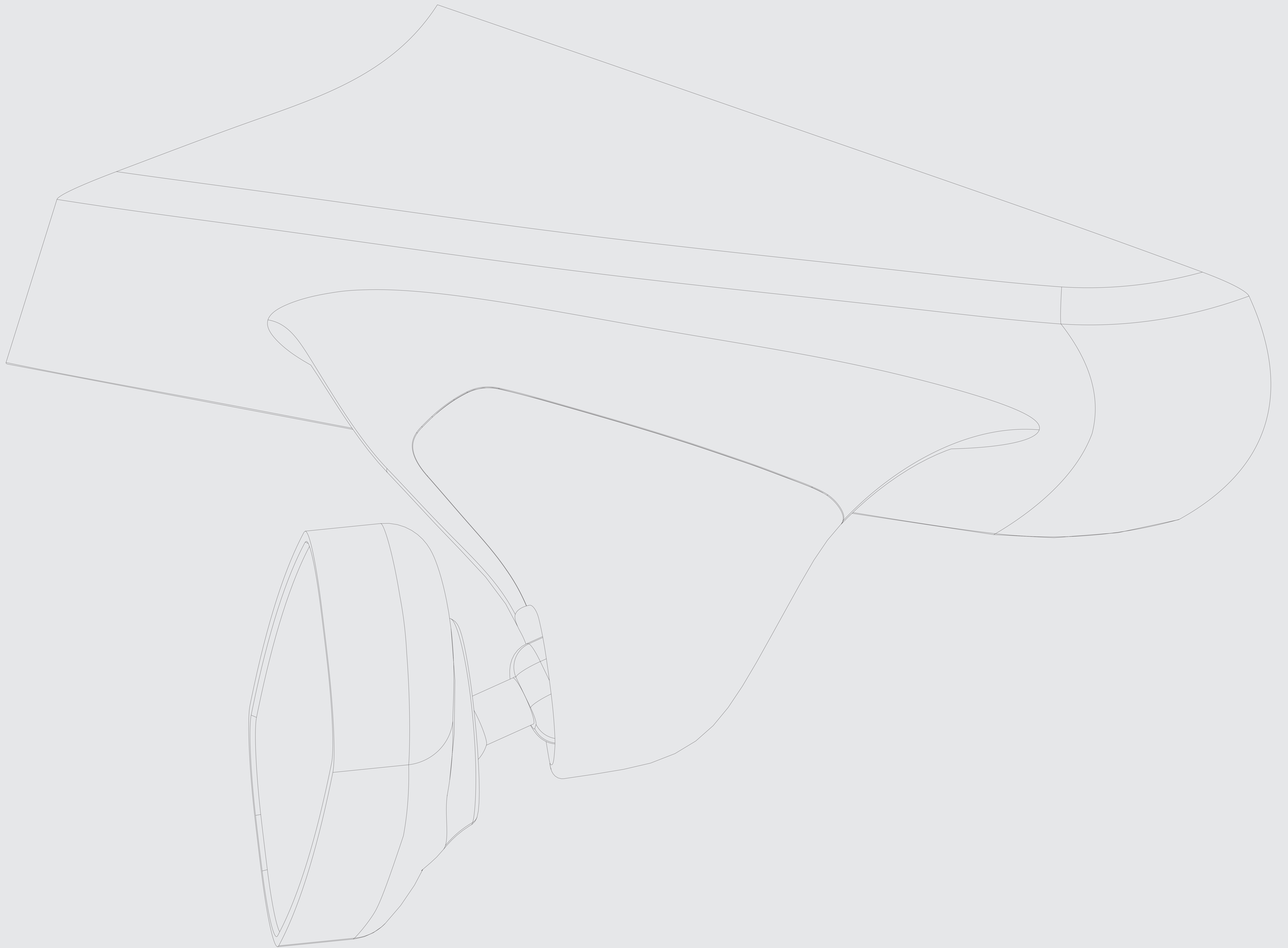
It is strongly recommended that you watch our installation video before you begin your installation.

Scan the QR code or go to <https://youtu.be/NrKze3zg8zA> (case sensitive).



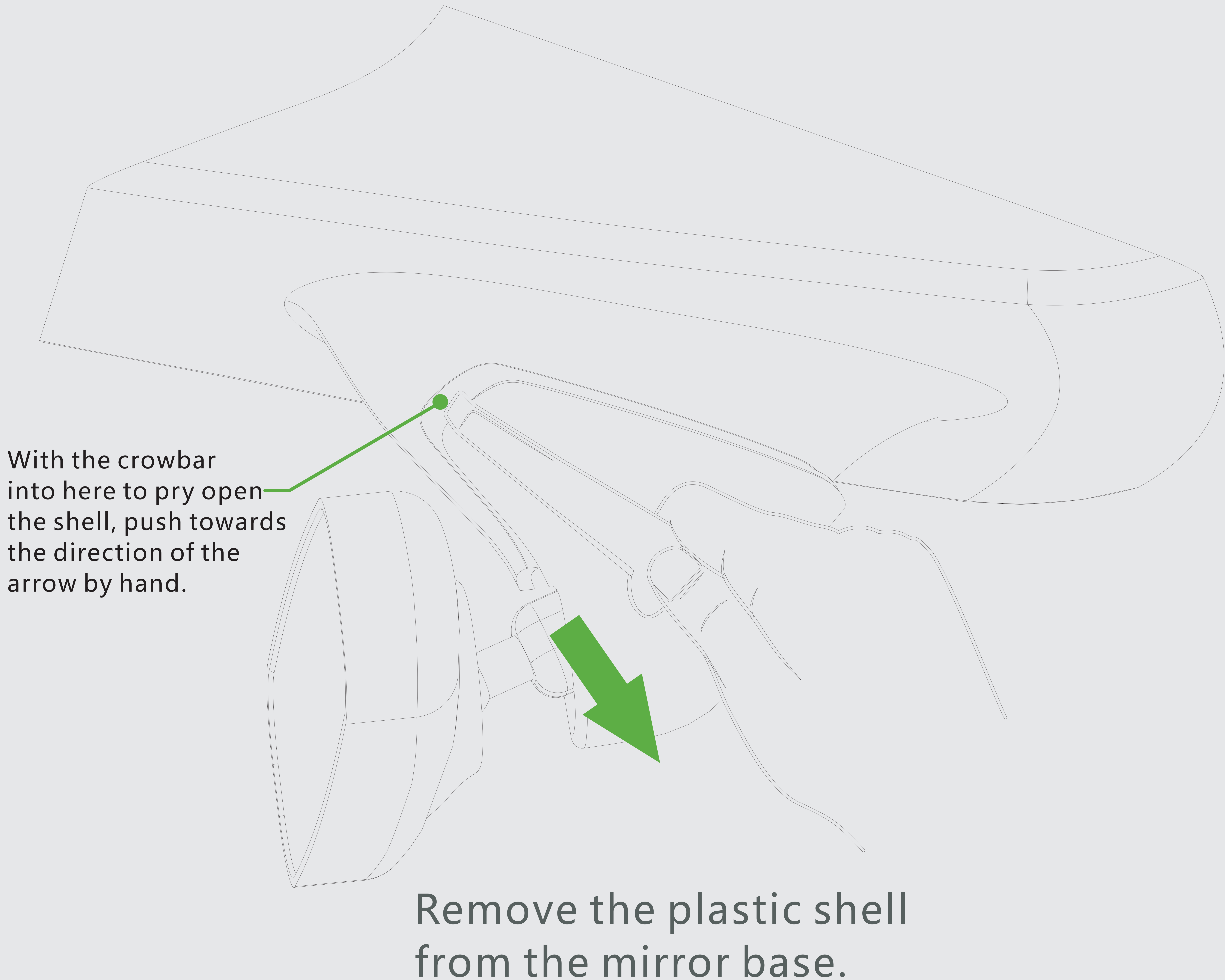
Also you can search "IRO Dashcam for Tesla Model S AP2 installation Video" through the website: www.youtube.com

Installation Steps **1**

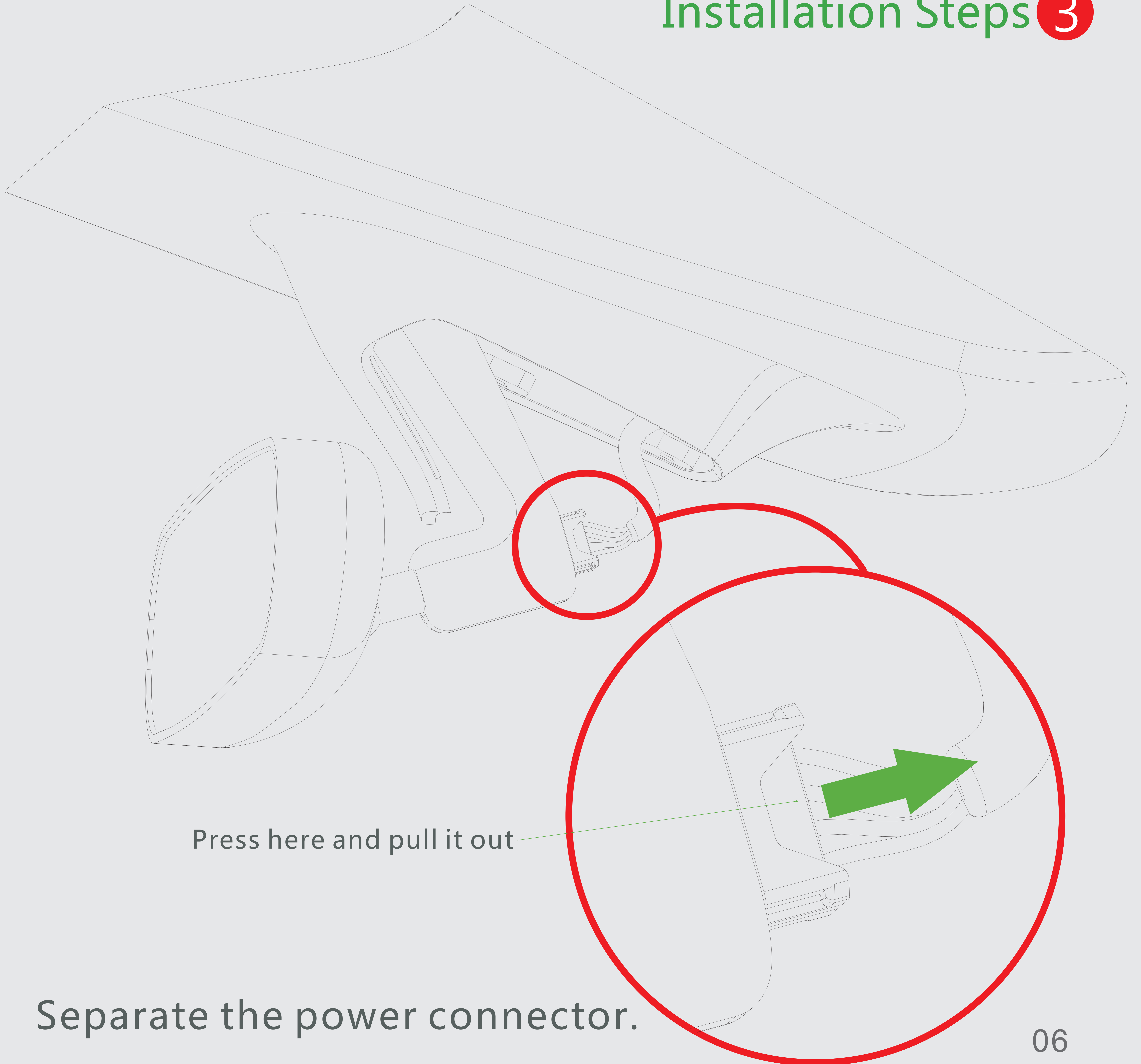


Before installing

Installation Steps **2**

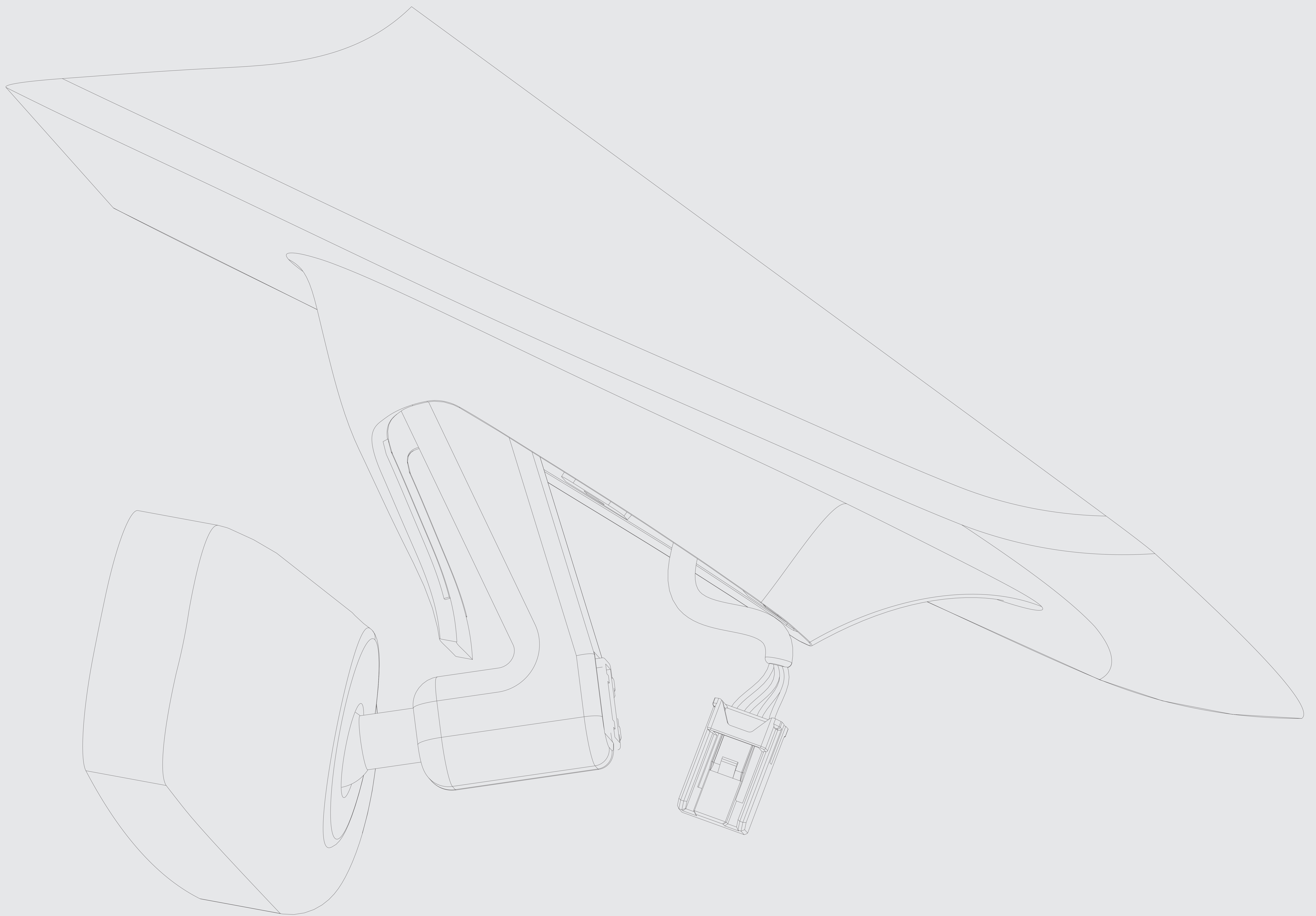


Installation Steps **3**



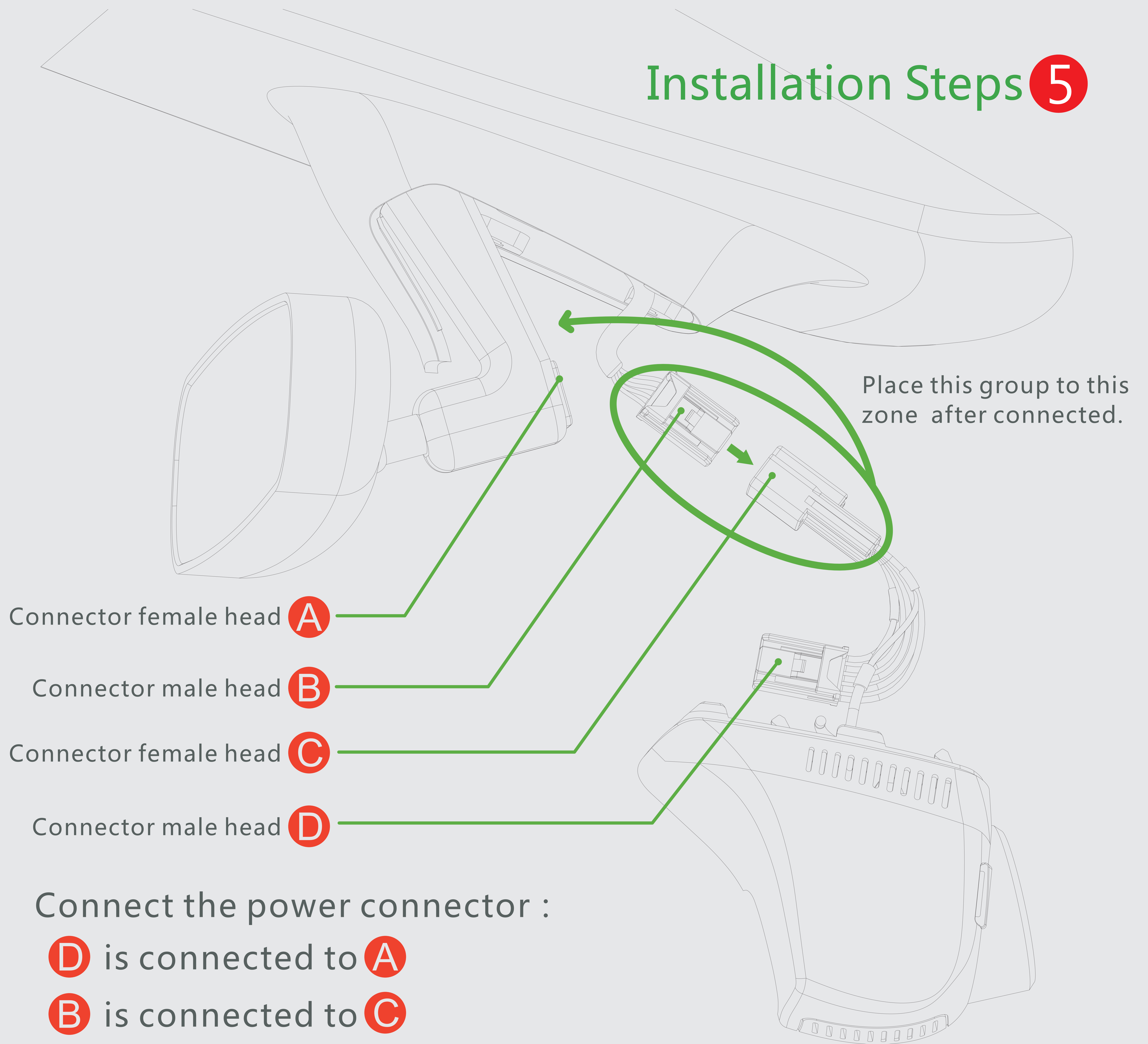
Separate the power connector.

Installation Steps **4**



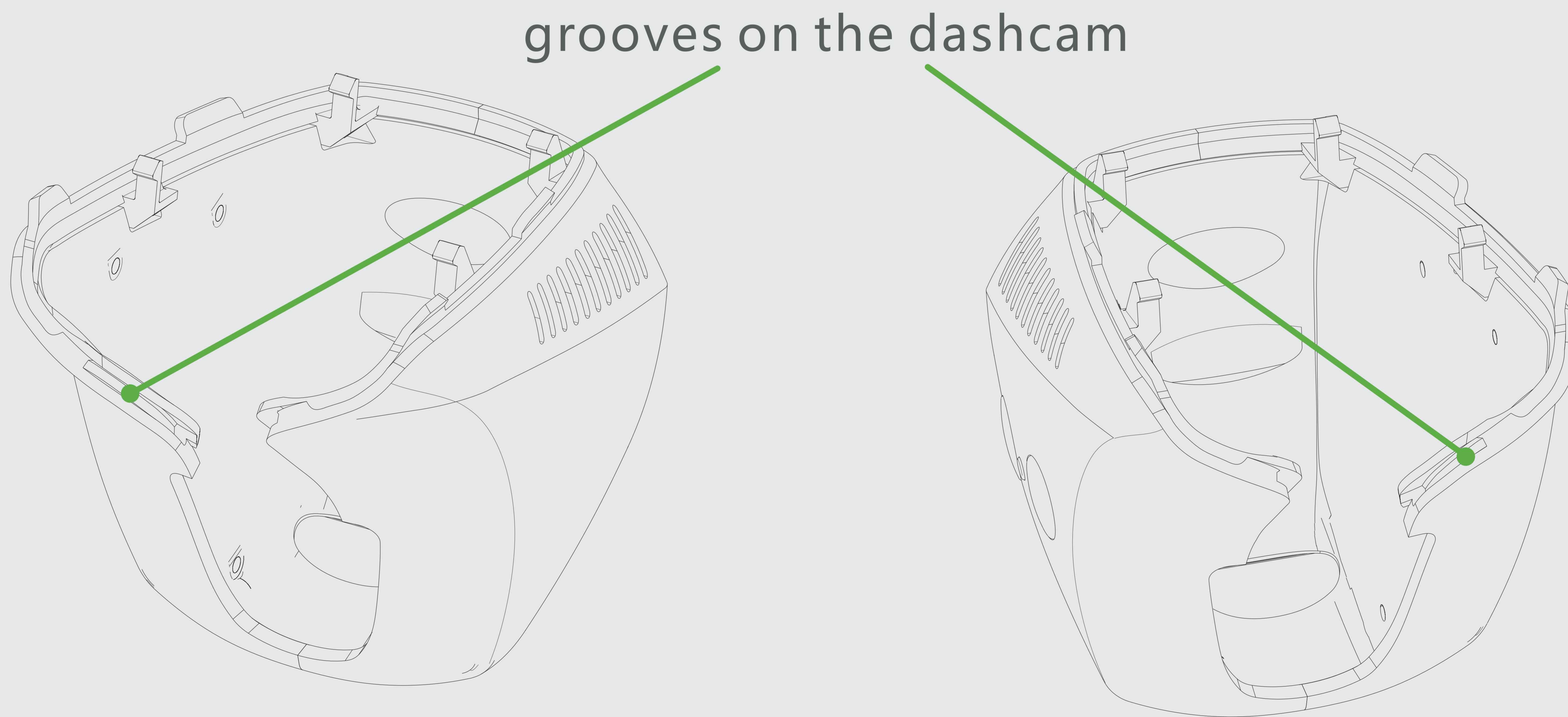
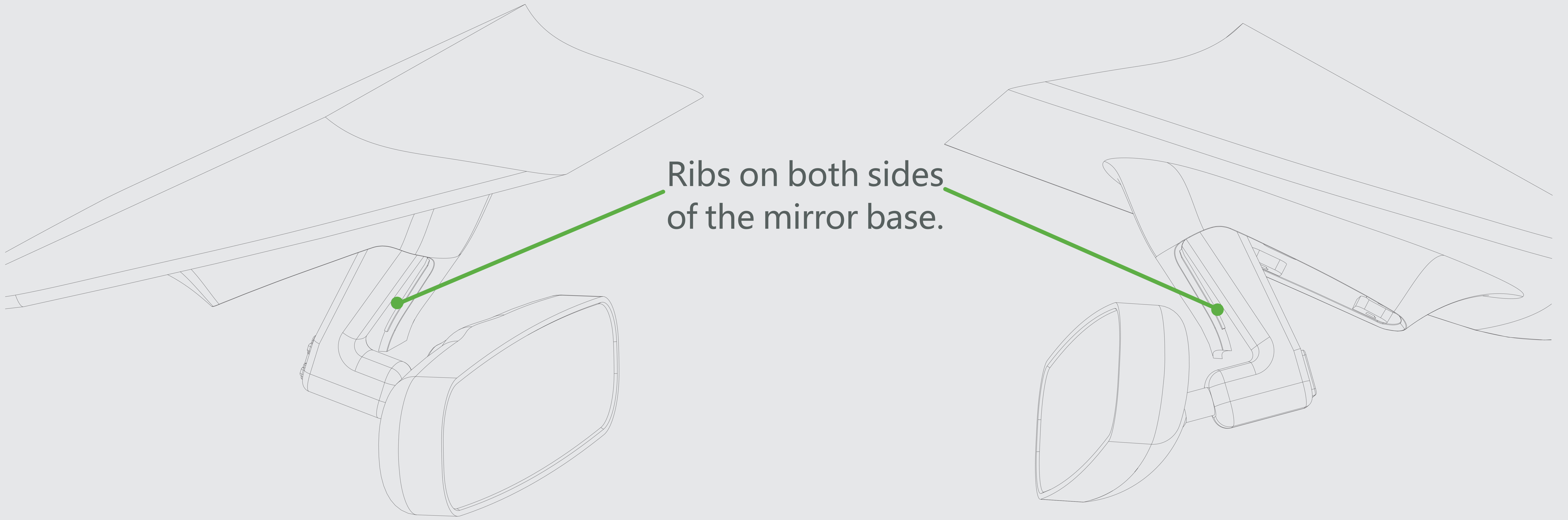
After the separation of power connector.

Installation Steps **5**



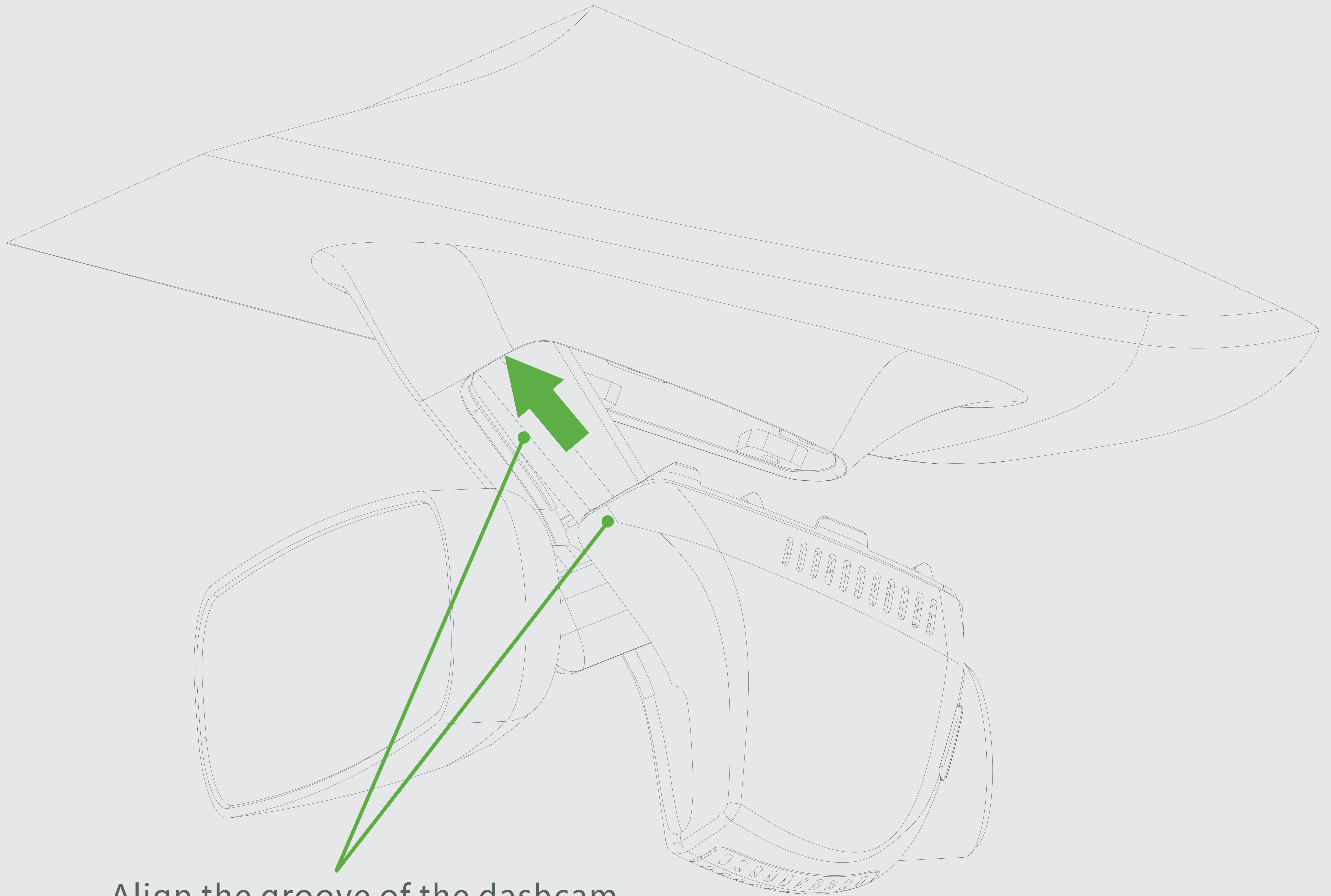
After connecting the power supply, machine lights up, indicating that connection successful.

Installation Steps **6**



Installation key points: Ribs and grooves.

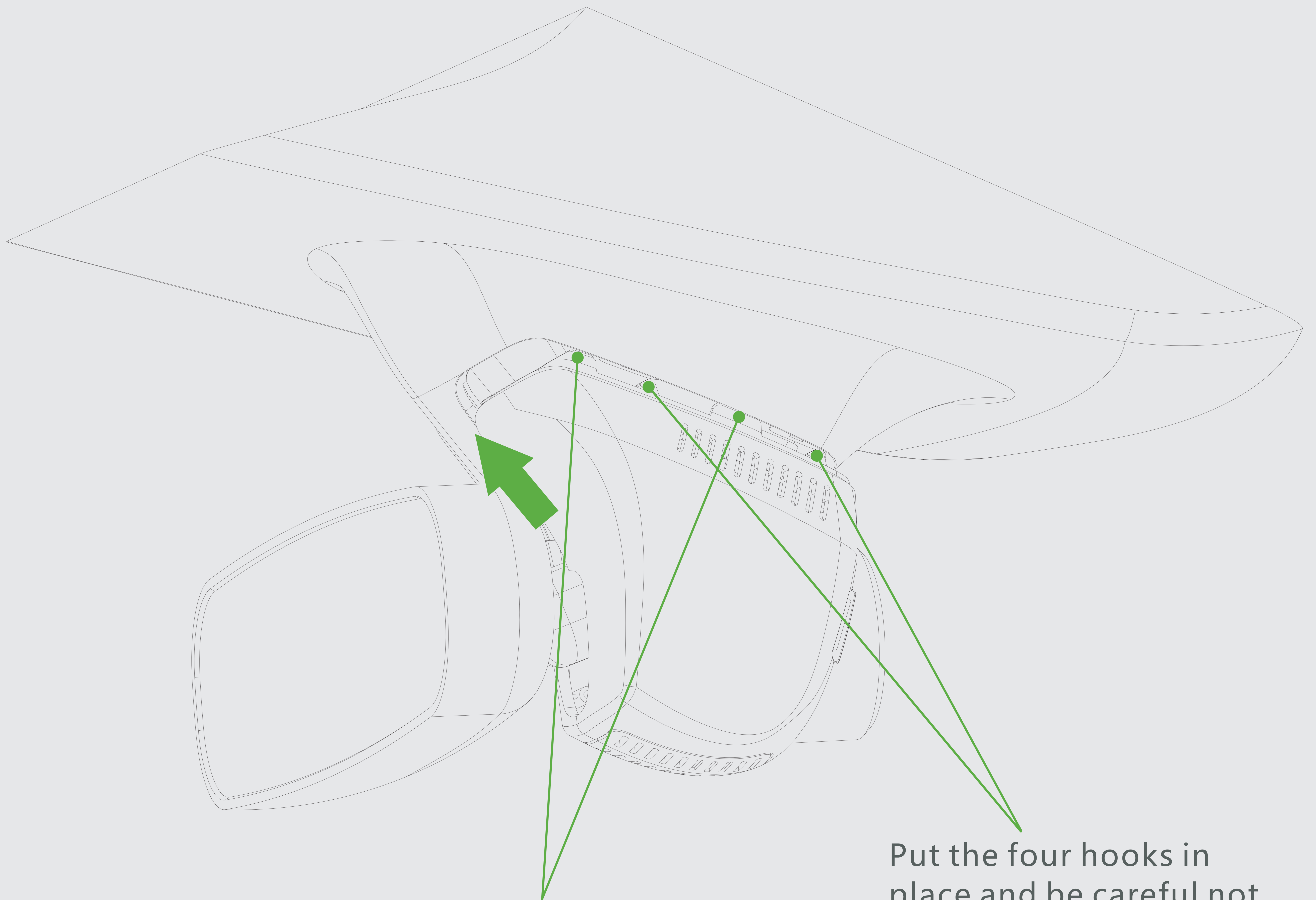
Installation Steps **7**



Align the groove of the dashcam against the ribs on both sides of the mirror and push it up in the direction of the arrow.

Connect power supply and verify that dashcam is power on, fix the machine to the car.

Installation Steps **8**

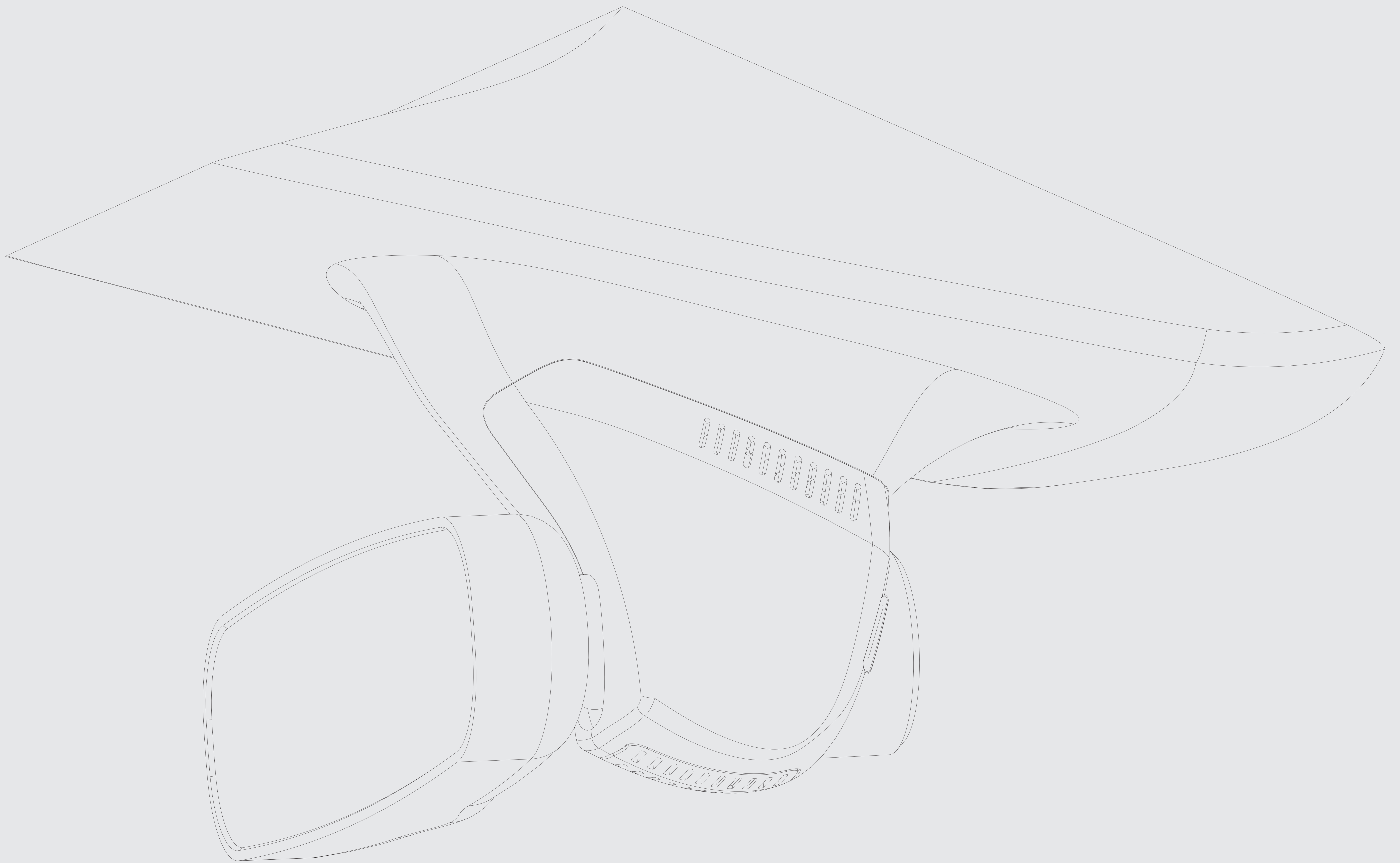


The wing on both sides of the dashcam must be located inside the mirror base.

Put the four hooks in place and be careful not to clip the power cord

Fix the machine.

Installation Steps **9**



Installation completed.

Operation

1. Recording

When you start the car, the dashcam will be switched on and video will begin automatically. The blue light flash slowly. If the red light is always on, and you hear a sound, this indicates that the TF card is not inserted.

2. Button 1

Recording state short press the button 1 to take a photo, the system will make a clicking sound. Long press the button 1 to shutdown, shutdown state short press button 1 to boot.

3. Button 2

During recording, if you want to save a video and make sure it is not over written, perform a short press of button 2. Your IRO Dashcam has a shock sensor that will automatically lock your recording to prevent overwriting in event of a car crash (This feature is turned off by default). A long press of button 2 will stop recording.

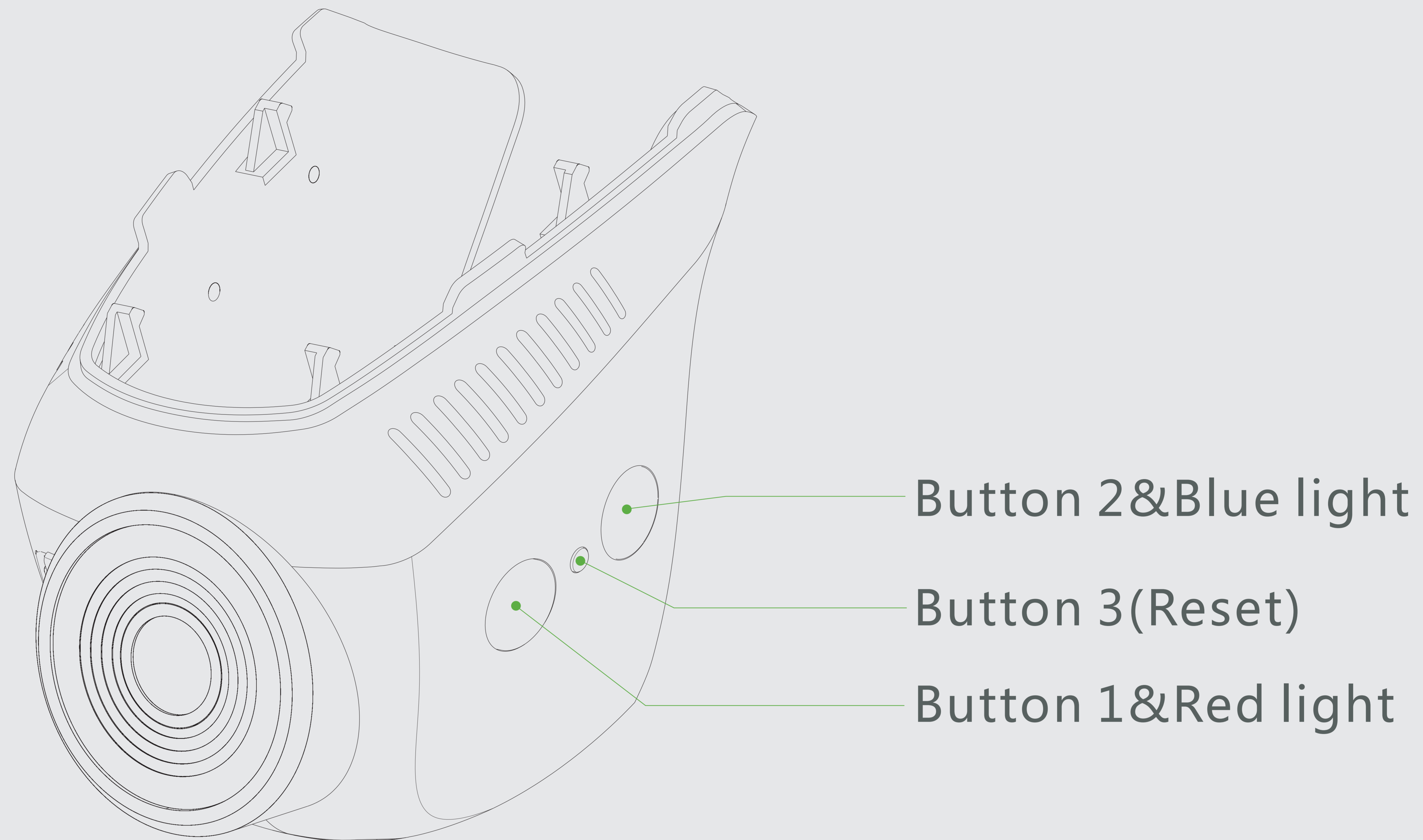
4. Button 3

This is the reset button, press this key to reset the system.

5. Set the system time

It will automatically synchronize the time when use phone app connecting to the dashcam. The dashcam Recorder has time memory function. But if you're not driving your car for a long time. Time will revert to the original date. At this point, you need to connect app sync time.

Operation



The meaning of the light under the different conditions

	Always on	Slow flash	Quick flash
Red light	No recording	—	Lock the video
Blue light	—	Recording	

Operation

6. Install APP

Scan the QR code with your mobile phone to install the APP.
Or in the Apple store search: Lerccenker or Luckycam.
Search in Google play: Lerccenker or Luckycam.



iOS version



Android version

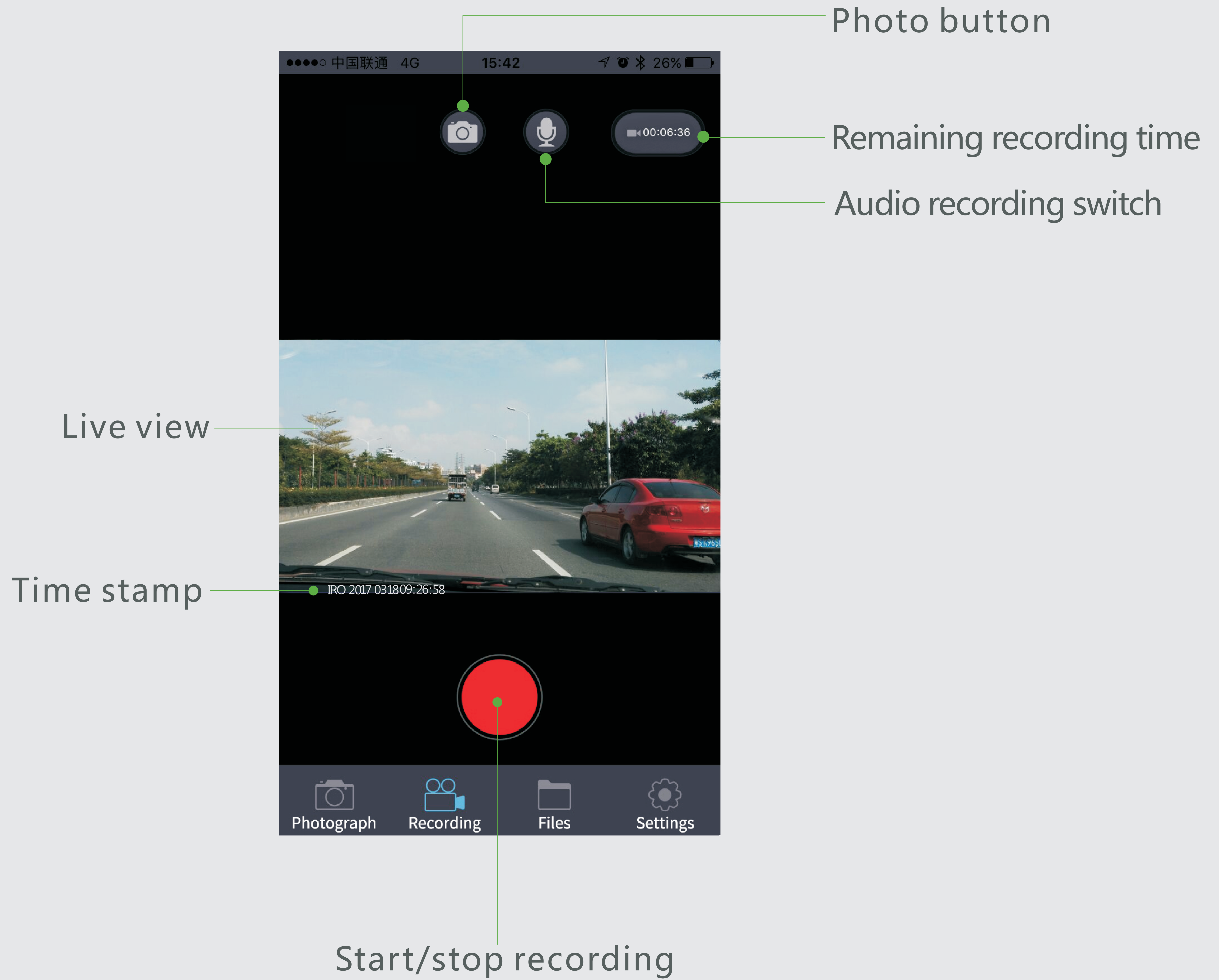
7. Connect with mobile phone

When the dashcam turned on, the system will launch a wifi signal named such as IRO_XXXXXXXXXX, at this time select the wifi on your smart phone, enter the initial password 12345678, to establish the wifi connection with mobile phone.

Note that some Android phones automatically detect whether WiFi is connected to the Internet when connecting to a WiFi. Because the WiFi of the dashcam is not connected to the Internet, the phone may indicate that WiFi is not available. Please ignore this prompt and keep the connection.

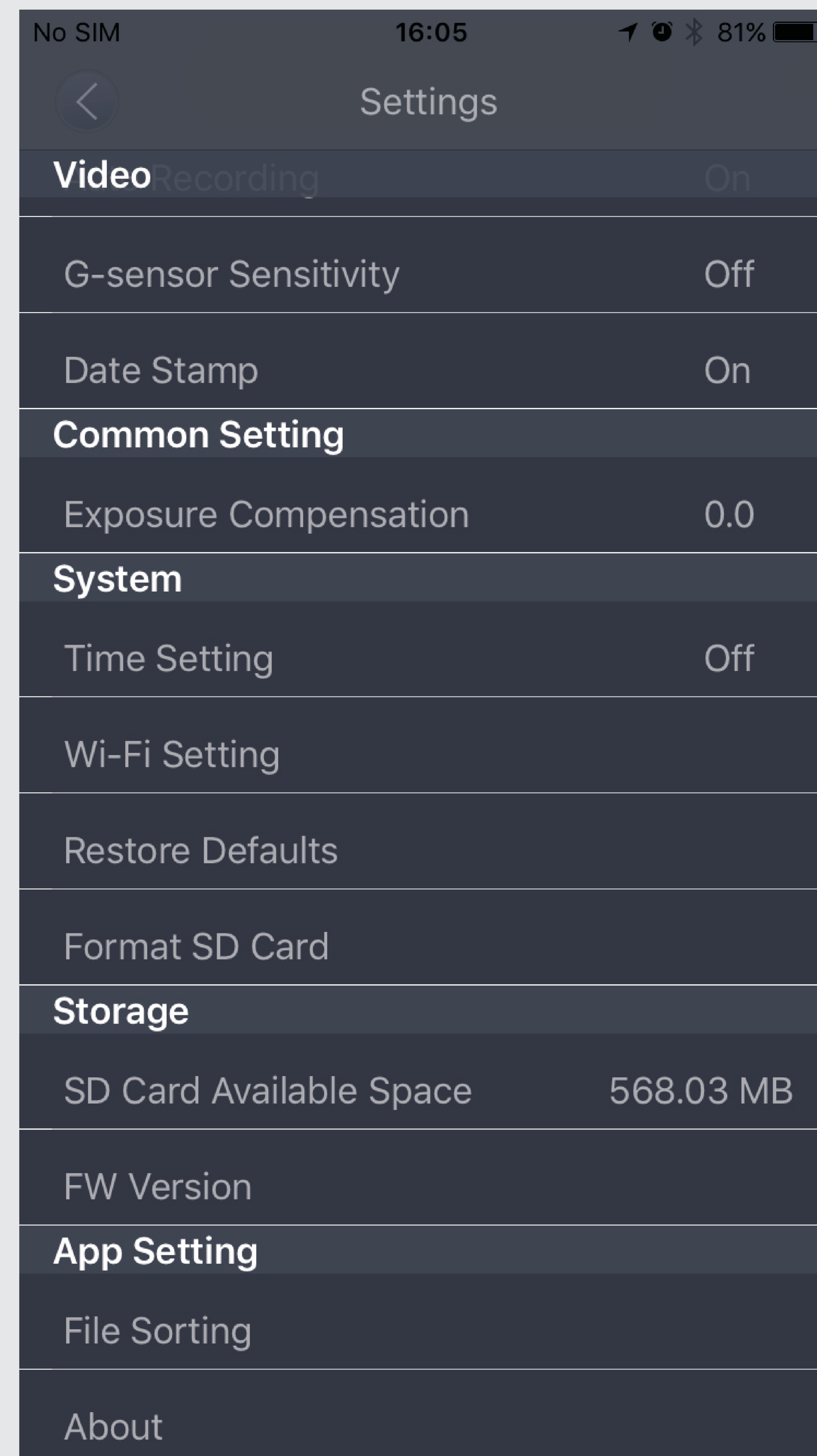
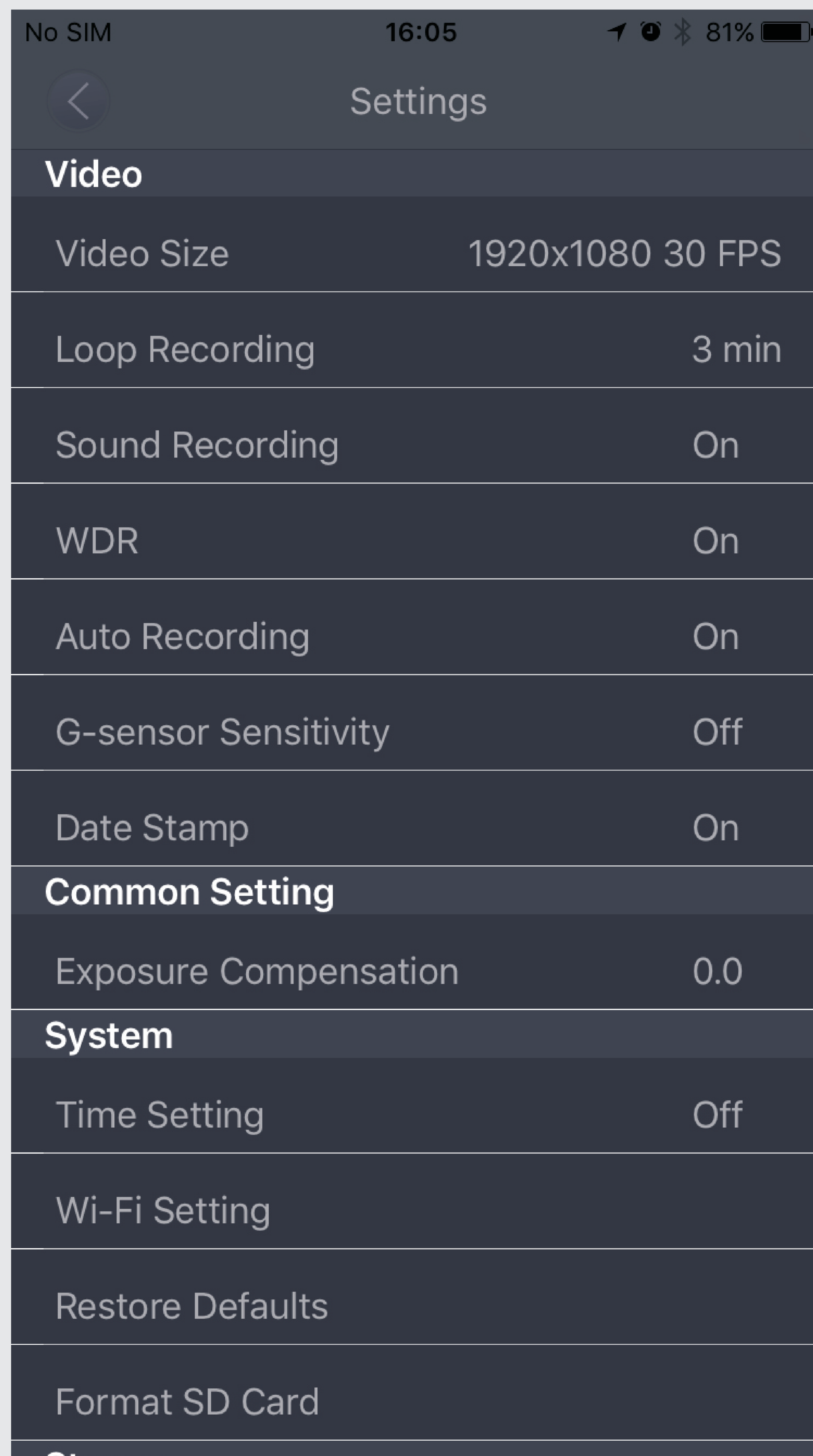
Operation

8. App Main Interface



Operation

9. The settings menu



Operation

10. File Management Interface

The screenshot shows a mobile application interface for file management. At the top, there is a status bar with '无 SIM 卡', '12:40', and '12%' battery. Below the status bar is a navigation bar with a back arrow, a folder icon labeled 'File', a video icon, a photo icon, a camera icon, a white circle, and a mobile phone icon. The main content area is divided into two date sections: '2017/03/25' and '2017/03/24'. Each section contains a list of files with a thumbnail, a file name, a timestamp, a size, and a download icon (a green circle with a white 'P' and a downward arrow). Annotations with green lines point to various elements: 'Photo files' points to the photo icon; 'Vedio files' points to the video icon; 'Files in Dashcam' points to the camera icon; 'Files in mobile' points to the mobile phone icon; 'Click here to download' points to a download icon; and 'Click the file name to play the vedio' points to a file name.

Photo files

Vedio files

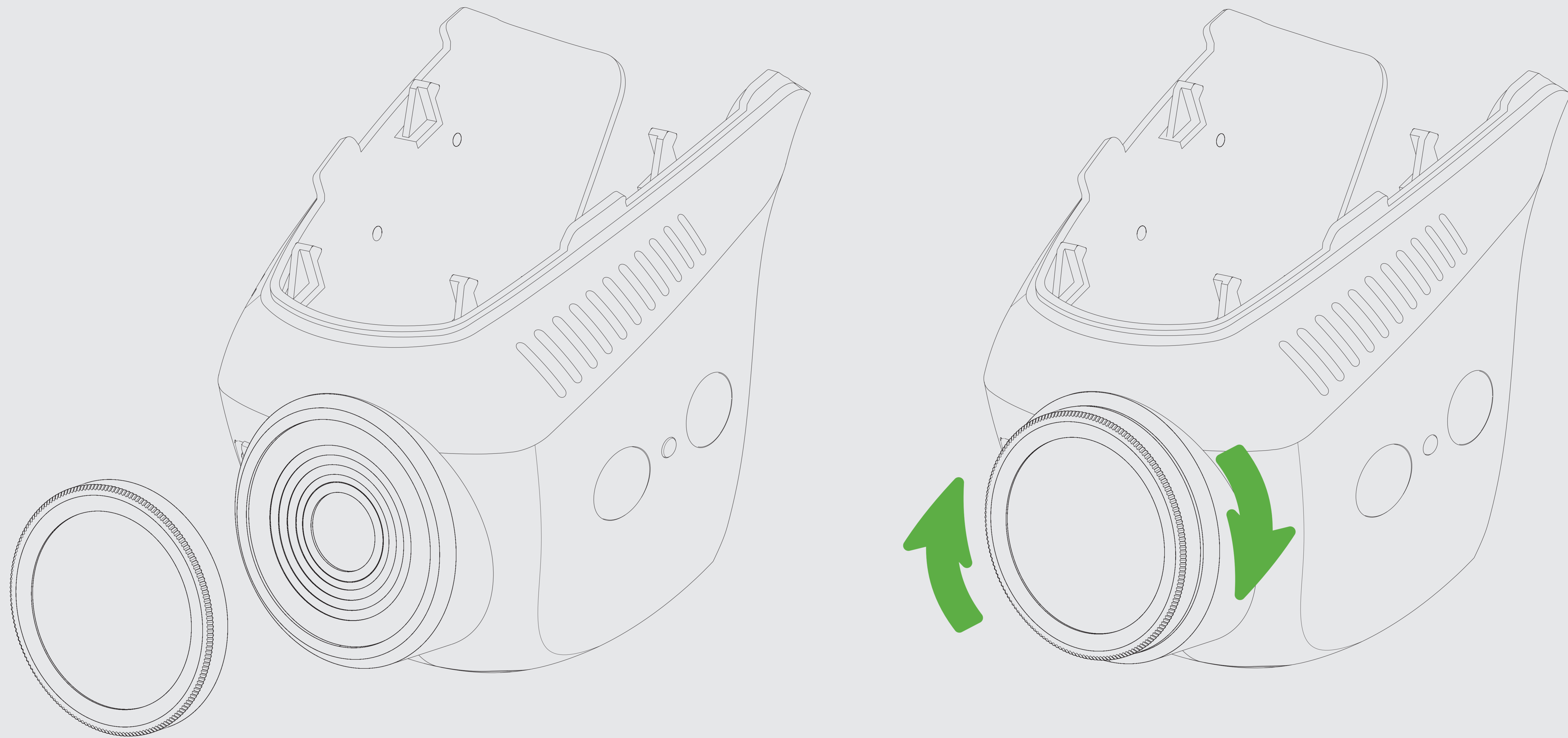
Files in Dashcam

Files in mobile

Click here to download

Click the file name to play the vedio

CPL



Magnetic CPL(Circular-Polarizing Filters), using the magnetism to install.

The purpose of CPL is to decrease the backlight reflection from the windshield of the car. The CPL is rotatable, please adjust the CPL to suitable angle, so that the device can maximum reduce the backlight reflection.

The adjusting method as below:

- 1.Using your smart phone app, you can connect your phone to your IRO Dashcam using the built-in WiFi, observe the backlight reflective situation;
- 2.Put something white(such as paper) at the central control desk, where the dashcam can be took video. So the dashcam can record the inverted reflection in windshield of the blank paper right now.
- 3.Rotating the polarized lens, observing the image of your smart phone until the inverted reflection of something white becomes smallest, even disappeared.

CPL



Paper reflection.



Reflection almost disappeared when CPL rotate to suitable angle.

Product specifications

Imaging element	CMOS(Sony323)
Lens	Wide Angle lens/6G/F1.8 aperture
View Angle	Horizontal 160
Video coding	H.264
Video Resolution	1920X1080 30FPS
Memory card type	Micro SD card
External power supply	DC12V
Built-in power supply	Super-capacitor
Dimensions	90X80X70mm
Weight	116g
Operating temperature	-20°C~70°C

MicroSD card

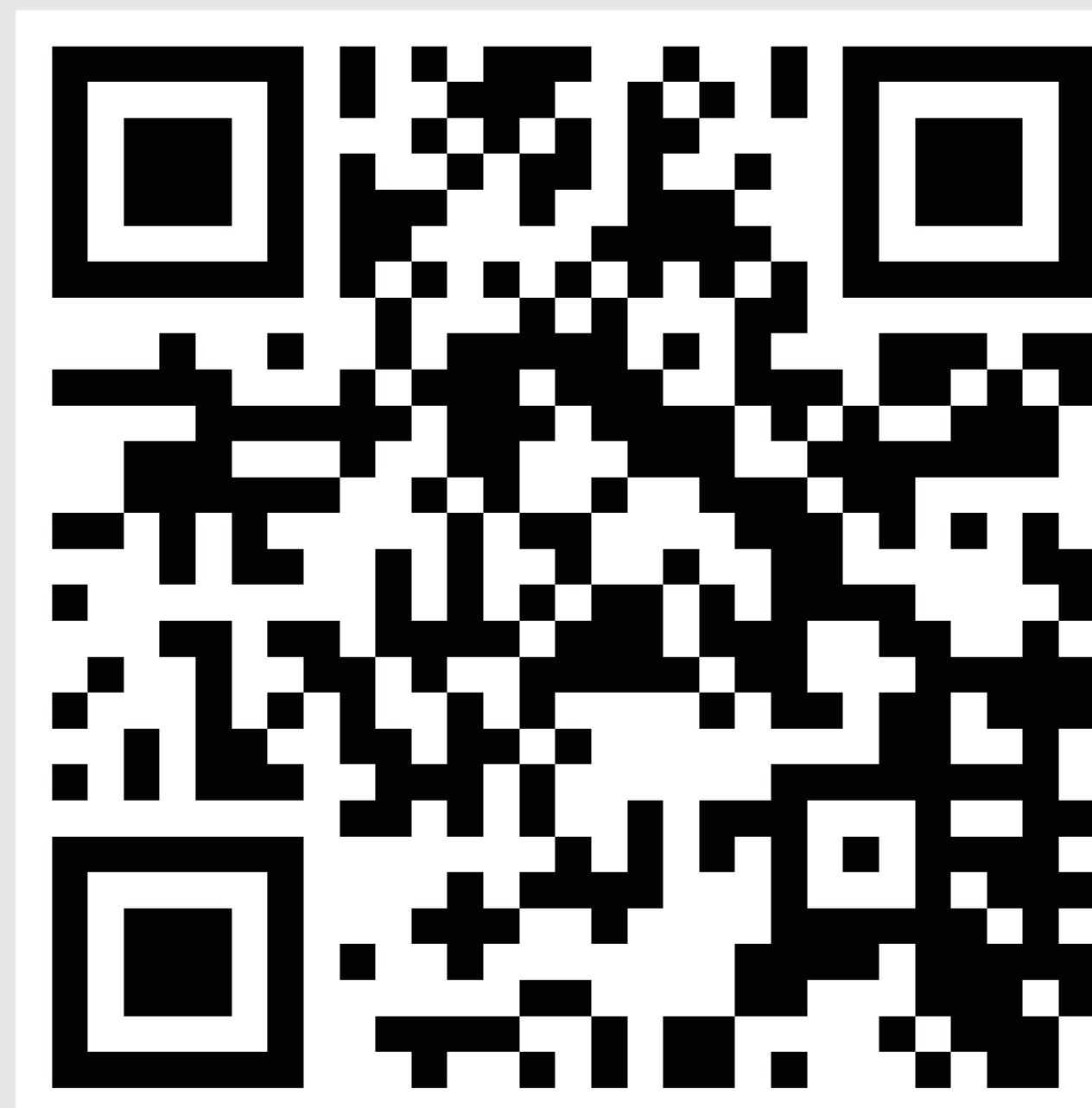
High quality memory card can be more stable and efficient video recording, we recommended to choose genuine licensed TF card; Select Class 6 or higher read / write rate.

TF card Capacity	1920×1080 30fps	1280×720 30fps
16GB	150min	290min
32GB	300min	580min
64GB	600min	1160min

TF memory card capacity and corresponding recordable time (for reference only, please refer to the actual)

Note: the system may not be able to identify some of the more than 64GB MicroSD cards, you need to use a special tool to format the MicroSD card. You can consult our customer service staff to obtain this tool. You can also enter the following URL or scan the following QR:

<https://goo.gl/AS8K15>(case sensitive).



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Customer Service E-mail: ben@iro-electronics.com

Once again, thank you for choosing the IRO Dashcam.
Please keep your manual in a safe place.
If you have any questions, please contact our customer service department.