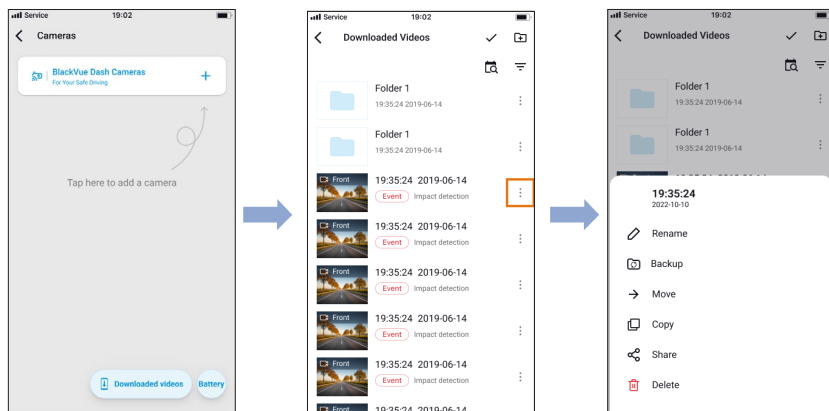


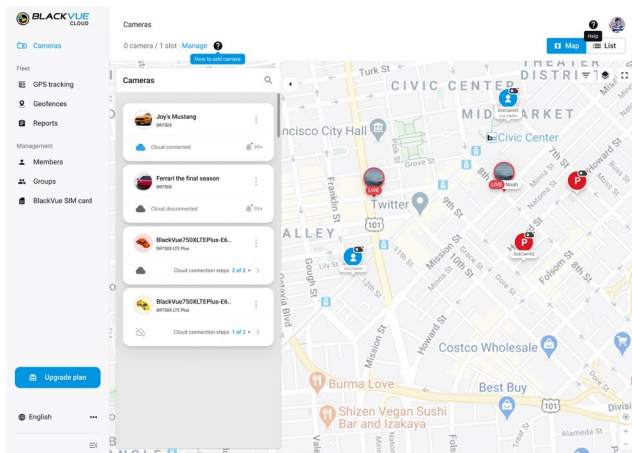
## C Downloaded Videos



- (i) Tap the "Downloaded videos" button. It will show the downloaded file list to your app's local storage.
- (i) Then you can manage the files individually via the submenu of each file.

## Using BlackVue Web Viewer

To experience the camera features in the Web Viewer, you must create an account and your dashcam must be connected to the Cloud. For this setup, it is recommended to download the BlackVue app and follow the instructions including optional steps in [Using BlackVue App](#) prior to accessing the Web Viewer.



- A Go to [www.blackvuecloud.com](http://www.blackvuecloud.com) to access BlackVue Web Viewer.
- B Select **Start Web Viewer**. Enter the login information if you have an account, otherwise press **Sign up** and follow the guidelines in the web viewer
- C To play video files after login, select your camera in the camera list and press **Playback**. If you have not already added your camera, press **Add camera** and follow the guidelines in the Web Viewer.
- D Select the video you want to play from the video list.

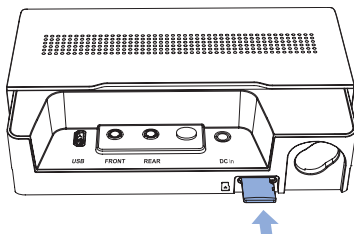
### Note

- For more information about BlackVue Web Viewer features, refer to the manual from <https://cloudmanual.blackvue.com>.

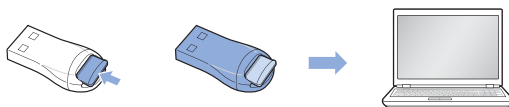
## ➤ Using BlackVue Viewer

### □ Playing video files and changing settings

- Ⓐ Remove the microSD card from the main unit.



- Ⓑ Insert the card into the microSD card reader and connect it to a computer.



- Ⓒ Download BlackVue Viewer program from [www.blackvue.com](http://www.blackvue.com) > **Support** > **Downloads** and install it on your computer.
- Ⓓ Run BlackVue Viewer. To play, select a video and click on the play button or double click the selected video.
- Ⓔ To change settings, click on the ⚙ button to open the BlackVue settings panel. Settings that can be changed include Wi-Fi SSID & password, image quality, sensitivity settings, voice recording on/off, speed unit (km/h, MPH), LEDs on/off, voice guidance volume, Cloud settings etc.



Windows/macOS Viewer

### Note

- For more information about BlackVue Viewer, go to <https://cloudmanual.blackvue.com>.
- The playback of 4K UHD resolution depends on your computer's hardware and software. Older computers may not support 4K UHD. If you encounter issues, please check your computer's video playback capabilities.
- All images shown are for illustration purpose only. Actual program may differ from images shown.

## » Tips for optimal performance

- A** For stable operation of the dashcam, it is recommended to format the microSD card once a month.
- Format using BlackVue App (Android/iOS):**  
Go to **BlackVue App** > **⋮** > **Format microSD card** and format the microSD card.
- Format using BlackVue Viewer (Windows):**  
Download **BlackVue Windows Viewer** from [www.blackvue.com](http://www.blackvue.com) > **Support** > **Downloads** and install it on your computer. Insert the microSD card into the microSD card reader and connect the reader to your computer. Launch the copy of BlackVue Viewer that is installed on your computer. Click the Format  button, select the card drive and click OK.
- Format using BlackVue Viewer (macOS):**  
Download **BlackVue Mac Viewer** from [www.blackvue.com](http://www.blackvue.com) > **Support** > **Downloads** and install it on your computer. Insert the microSD card into the microSD card reader and connect the reader to your computer. Launch the copy of BlackVue Viewer that is installed on your computer. Click the Format  button and select the microSD card from the list of drives in the left frame. After selecting your microSD card select the Erase tab in the main window. Select "MS-DOS (FAT)" from the Volume Format drop-down menu and click Erase.
- B** Only use official BlackVue microSD cards. Other cards may have compatibility issues.
- C** Regularly upgrade the firmware for performance improvements and updated features. Firmware updates will be made available for download at [www.blackvue.com](http://www.blackvue.com) > **Support** > **Downloads**.

### Customer Support

For customer support, manuals and firmware updates please visit [www.blackvue.com](http://www.blackvue.com)

You can also email a Customer Support expert at [cs@pittasoft.com](mailto:cs@pittasoft.com)

## Product specifications:

|                                      |                                                                                                                                                                                                                                                                                                               |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Model Name</b>                    | DR970X Box-2CH Plus Series                                                                                                                                                                                                                                                                                    |
| <b>Color/Size/Weight</b>             | Main unit : Black / Length 130.0 mm x Width 101.0 mm x Height 33.0 mm / 209 g<br>Front : Black / Length 77.5mm x Width 41.9mm x Height 55.3mm / 68 g<br>Rear : Black / Length 63.5 mm x Width 32.0 mm x Height 32.0 mm / 33 g<br>Interior IR : Black / Length 63.5 mm x Width 32.0 mm x Height 32.0 mm / 34 g |
| <b>Memory</b>                        | microSD Card (64 GB/128 GB/256 GB/512 GB)                                                                                                                                                                                                                                                                     |
| <b>Recording Modes</b>               | Normal recording, Event recording (when impact is detected in normal and parking mode), Manual recording and Parking recording (when motion is detected)<br>* When using Hardwiring Power Cable, ACC+ will trigger parking mode.<br>When using other methods, G-sensor will trigger parking mode.             |
| <b>Camera</b>                        | Front : STARVIS 2 CMOS Sensor (Approx. 8.3 M Pixel)<br>Rear : STARVIS™ CMOS Sensor (Approx. 2.1 M Pixel)<br>Interior IR : STARVIS™ CMOS Sensor (Approx. 2.1 M Pixel)                                                                                                                                          |
| <b>Viewing Angle</b>                 | Front : Diagonal 146°, Horizontal 125°, Vertical 68°<br>Rear : Diagonal 131°, Horizontal 107°, Vertical 55°<br>Interior IR : Diagonal 180°, Horizontal 150°, Vertical 93°                                                                                                                                     |
| <b>Resolution/Frame Rate</b>         | <Front - Rear - Interior IR><br>4K (3840x2160) @ 30 fps - Full HD (1920x1080) @ 30 fps<br>*Frame rate may vary during Wi-Fi streaming.                                                                                                                                                                        |
| <b>Video Codec</b>                   | H.265 (HEVC) /H.264 (AVC)                                                                                                                                                                                                                                                                                     |
| <b>Image Quality (Mbps)</b>          | Front: Extreme (60), Highest (25), High (12), Normal (8)<br>Rear: Extreme (10), Highest (10), High (8), Normal (6)<br>*60Mbps bitrate is only supported in H.265 (HEVC) Video Codec.                                                                                                                          |
| <b>Video Compression Mode</b>        | MP4                                                                                                                                                                                                                                                                                                           |
| <b>Wi-Fi</b>                         | Built-in (802.11 a.b.g.n.ac)                                                                                                                                                                                                                                                                                  |
| <b>GNSS</b>                          | External (Dual Band : GPS, GLONASS)                                                                                                                                                                                                                                                                           |
| <b>Bluetooth</b>                     | Built-in (V2.1+EDR/4.2)                                                                                                                                                                                                                                                                                       |
| <b>LTE</b>                           | External (Optional)                                                                                                                                                                                                                                                                                           |
| <b>Microphone</b>                    | Built-in                                                                                                                                                                                                                                                                                                      |
| <b>Speaker (Voice Guidance)</b>      | Built-in                                                                                                                                                                                                                                                                                                      |
| <b>LED Indicators</b>                | Main unit : Recording LED, GPS LED, BT/Wi-Fi/LTE LED<br>Front : Front & Rear Security LED<br>Rear: Front & Rear Security LED<br>Interior IR : Front & Rear Security LED                                                                                                                                       |
| <b>Wavelength of IR camera light</b> | Interior IR : 940nm (2 Infrared (IR) LEDs)                                                                                                                                                                                                                                                                    |
| <b>Sensor</b>                        | 3-Axis Acceleration Sensor                                                                                                                                                                                                                                                                                    |

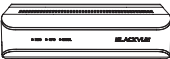
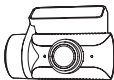
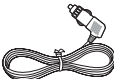
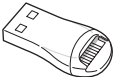
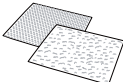
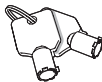
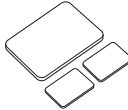
|                                 |                                                                                                                                                                                                                                                                                |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Backup Battery</b>           | Built-in super capacitor                                                                                                                                                                                                                                                       |
| <b>Input Power</b>              | DC 12V-24V (3 pole DC Plug (Ø3.5 x Ø1.1) to Wires (Black: GND / Yellow: B+ / Red: ACC)                                                                                                                                                                                         |
| <b>Power Consumption</b>        | <p>Normal Mode (GPS On / 2CH) : Avg. 660mA / 12V<br/> Parking Mode (GPS Off / 2CH) : Avg. 520mA / 12V</p> <p>* Approx. 40mA increase in current when Interior Camera IR LEDs are ON.<br/> * Actual power consumption may vary depending on use conditions and environment.</p> |
| <b>Operation Temperature</b>    | -20°C – 70°C (-4°F – 158°F)                                                                                                                                                                                                                                                    |
| <b>Storage Temperature</b>      | -20°C – 80°C (-4°F – 176°F)                                                                                                                                                                                                                                                    |
| <b>High Temperature Cut-Off</b> | Approx. 80 °C (176 °F)                                                                                                                                                                                                                                                         |
| <b>Certifications</b>           | <p>Front (with Main unit &amp; EB-1): KC, FCC, IC, CE, UKCA, RCM, Telec, WEEE, RoHS<br/> Rear &amp; Interior IR: KC, FCC, IC, CE, UKCA, RCM, WEEE, RoHS</p>                                                                                                                    |
| <b>Software</b>                 | <p>BlackVue Application<br/> *Android 8.0 or higher, iOS 13.0 or higher</p> <p>BlackVue Viewer<br/> *Windows 7 or higher, Mac Sierra OS X (10.12) or higher</p> <p>BlackVue Web Viewer<br/> *Chrome 71 or higher, Safari 13.0 or higher</p>                                    |
| <b>Other Features</b>           | Adaptive Format Free File Management System                                                                                                                                                                                                                                    |

\* STARVIS is a trademark of Sony Corporation.

## ► 包装箱内容

在安装 BlackVue 行车记录仪之前，请检查包装箱内包含以下物品。

### □ DR970X Box-2CH Plus（前置 + 后置）

|                                                                                    |               |                                                                                   |                            |
|------------------------------------------------------------------------------------|---------------|-----------------------------------------------------------------------------------|----------------------------|
|   | 主机            |  | 前置摄像头                      |
|   | 后置摄像头         |  | 外部 GPS                     |
|   | 主机点烟器电源线 (3p) |  | 摄像头连接线缆 (2EA)              |
|   | 主机硬接线电源线 (3p) |  | microSD 卡                  |
|   | microSD 读卡器   |  | 快速入门指南                     |
|   | 魔术贴           |  | 工具                         |
|   | 主机钥匙          |  | 防损盖备用螺<br>丝 (2EA)、<br>六角扳手 |
|  | 用在安装支架上的双面胶带  |  | 电线夹 (8EA)                  |

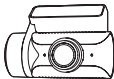
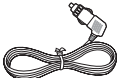
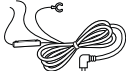
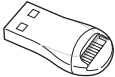
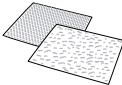
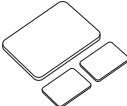
### 需要帮助？

请下载说明书（包含常见问题解答）和最新固件，网址：[www.blackvue.com/cn](http://www.blackvue.com/cn)

或者联系客户支持专家，电子邮箱：[cs@pittasoft.com](mailto:cs@pittasoft.com)



**DR970X Box-2CH IR Plus（前置 + 后置红外）**

|                                                                                   |               |                                                                                   |                            |
|-----------------------------------------------------------------------------------|---------------|-----------------------------------------------------------------------------------|----------------------------|
|  | 主机            |  | 前置摄像头                      |
|  | 后置红外摄像头       |  | 外部 GPS                     |
|  | 主机点烟器电源线 (3p) |  | 摄像头连接线缆 (2EA)              |
|  | 主机硬接线电源线 (3p) |  | microSD 卡                  |
|  | microSD 读卡器   |  | 快速入门指南                     |
|  | 魔术贴           |  | 撬具                         |
|  | 主机钥匙          |  | 防损盖备用<br>螺丝 (1EA)、<br>六角扳手 |
|  | 用在安装支架上的双面胶带  |  | 电线夹 (8EA)                  |

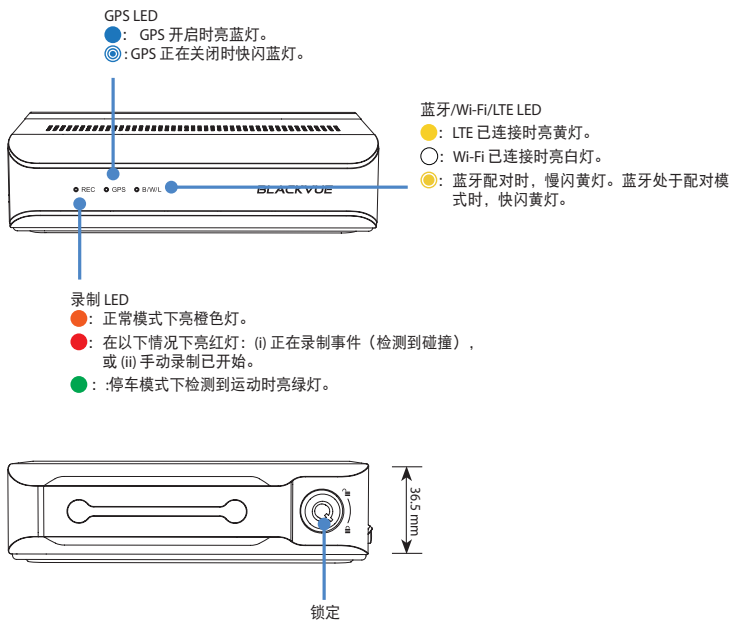
**需要帮助？**

请下载说明书（包含常见问题解答）和最新固件，网址：[www.blackvue.com/cn](http://www.blackvue.com/cn)  
或者联系客户支持专家，电子邮箱：[cs@pittasoft.com](mailto:cs@pittasoft.com)

## 产品简介

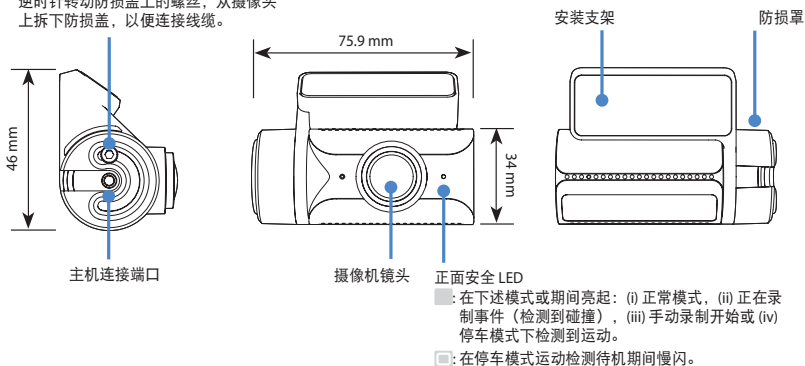
以下图示介绍了 DR970X Box 的每个部分。

### 主机箱

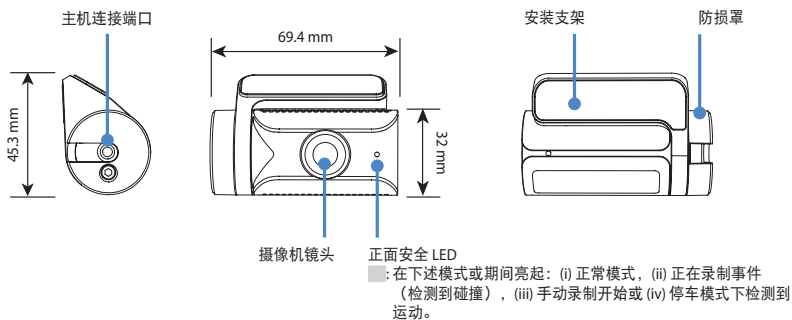


## □ 前置摄像头

逆时针转动防损盖上的螺丝，从摄像头  
上拆下防损盖，以便连接线缆。

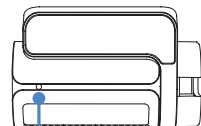
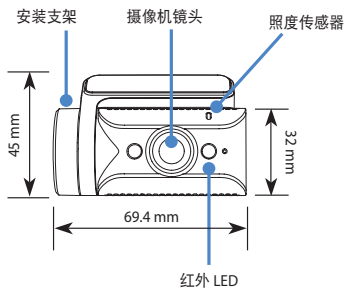
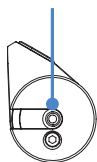


## □ 后置摄像头



## □ 后置红外摄像头

V out (主机连接端口)

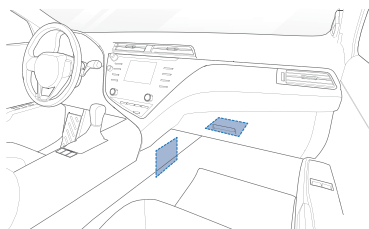


后置安全 LED

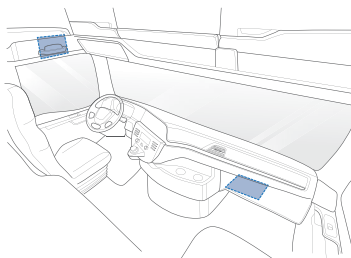
■：在所有录制模式下均保持开启，但可通过固件设置关闭。

## 主机箱安装

将主机（机箱）安装在中控台侧面或手套箱内部。对于重型车辆，机箱也可安装在行李架上。

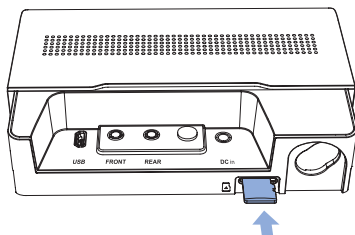
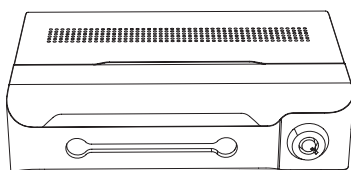


用于轿车

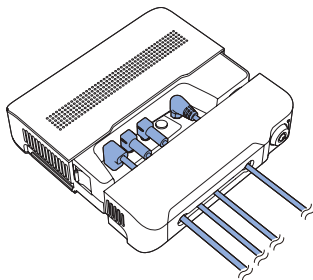
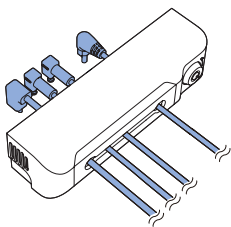


用于重型车辆

将钥匙插入机箱，逆时针转动并打开主机上的锁。取出锁壳，然后插入 micro SD 卡。



将线缆插入线缆护套并连接到相应端口。将护套固定在主机上并锁定。

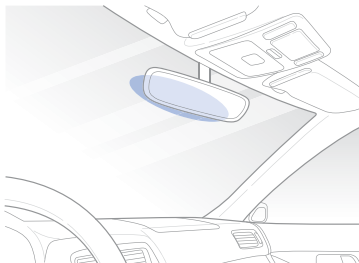


**警告**

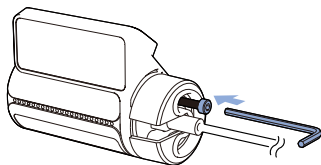
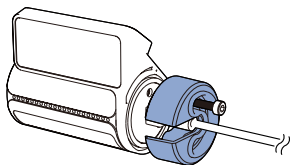
- 前置摄像头的线缆必须连接到相应端口。前置摄像头连接到后置摄像头端口，会发出蜂鸣警告声。

## 前置摄像头安装

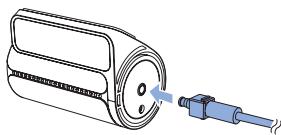
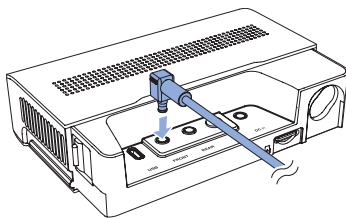
将前置摄像头安装在后视镜后面。安装前应清除异物并清洗和干燥挡风玻璃。



- Ⓐ 使用六角扳手逆时针转动螺丝，从前置摄像头上拆下防损支架。



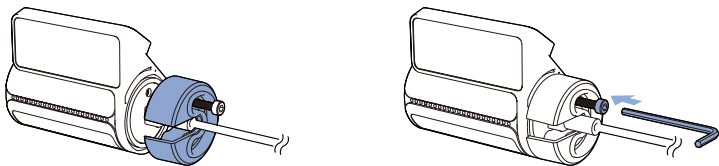
- Ⓑ 使用后置摄像头连接线缆连接前置摄像头与主机。



### 温馨提示

- 请确保前置摄像头线缆连接到主机的“Front”端口。

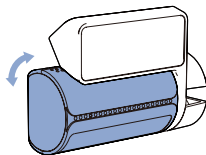
- ③ 将防损支架与安装支架对齐。使用六角扳手拧紧螺丝。切勿完全拧紧螺丝。可在摄像头固定在前挡风玻璃之后再完全拧紧。



- ④ 揭掉双面胶的保护膜，将前置摄像头粘在挡风玻璃上位于后视镜后面的位置。

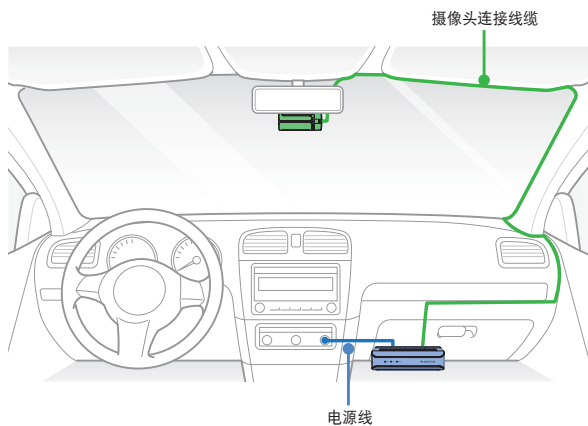


- ⑤ 通过转动前置摄像头机身调整镜头角度。建议让镜头方向略微朝下（比水平线大约低  $10^{\circ}$ ），以使录制视频中的路面与背景比为 6:4。完全拧紧螺丝。



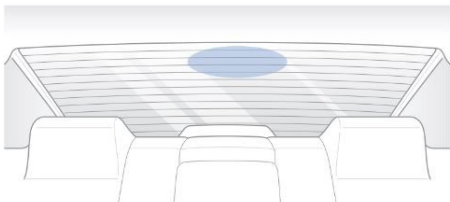


- F 使用撬具撬起车窗橡胶密封条和/或模塑的边缘，并塞入前置摄像头连接线缆。

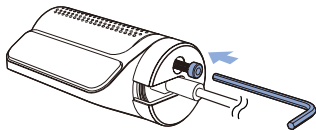
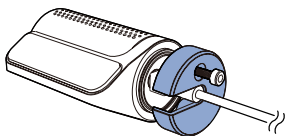


## ▶ 后置摄像头安装

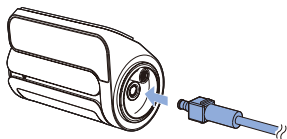
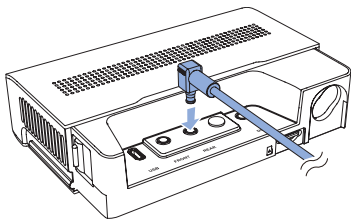
将后置摄像头安装在后挡风玻璃顶部。安装前应清除异物并清洗和干燥挡风玻璃。



- Ⓐ 使用六角扳手逆时针转动螺丝，从后置摄像头上拆下防损支架。



- Ⓑ 使用后置摄像头连接线缆连接后置摄像头与主机。



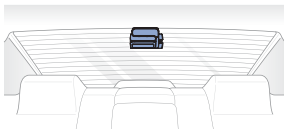
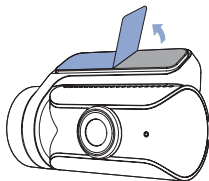
### 📖 温馨提示

- 请确保后置摄像头线缆连接到主机的“Rear”端口。

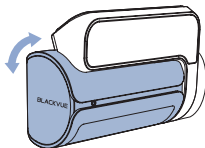
- ③ 将防损支架与安装支架对齐。使用六角扳手拧紧螺丝。切勿完全拧紧螺丝。应在摄像头固定到后挡风玻璃之后再完全拧紧。



- ④ 揭掉双面胶保护膜，将后置摄像头固定在后挡风玻璃上。



- ⑤ 通过转动后置摄像头机身调整镜头角度。建议让镜头方向略微朝下（比水平线大约低  $10^{\circ}$ ），以使录制视频中的路面与背景比为 6:4。完全拧紧螺丝。



- ⑥ 使用撬具撬起窗户橡胶密封条和/或模塑的边缘，并塞入后置摄像头连接线。

