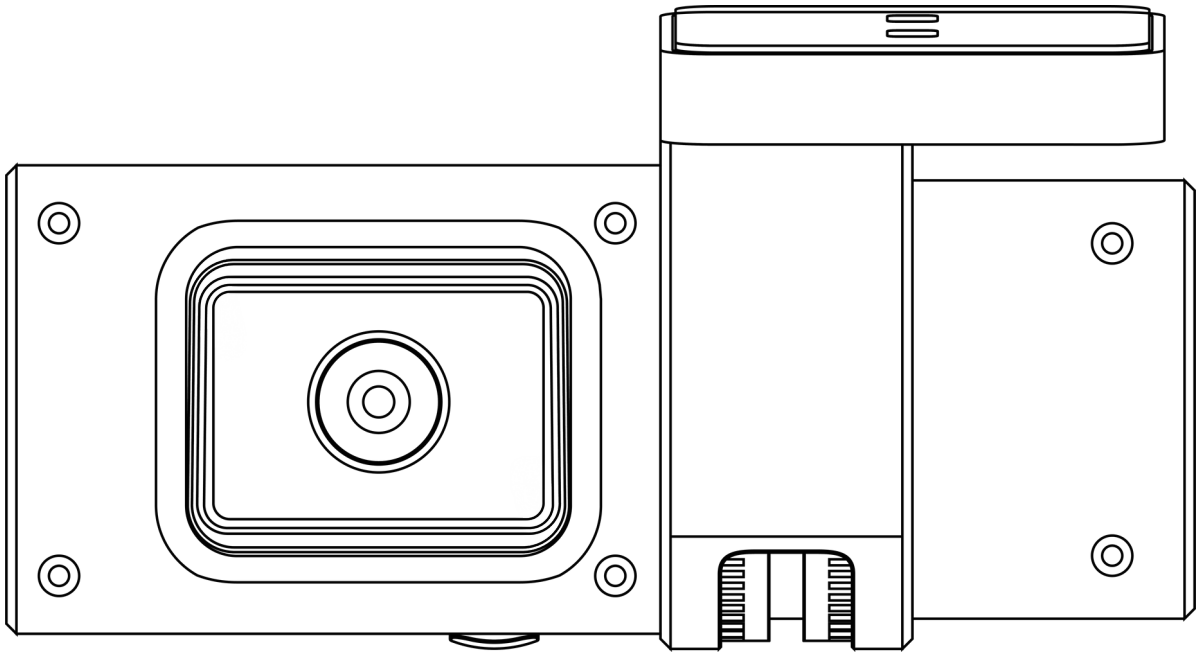
TRAMIGO

DC02

Dual-channel Dashcam

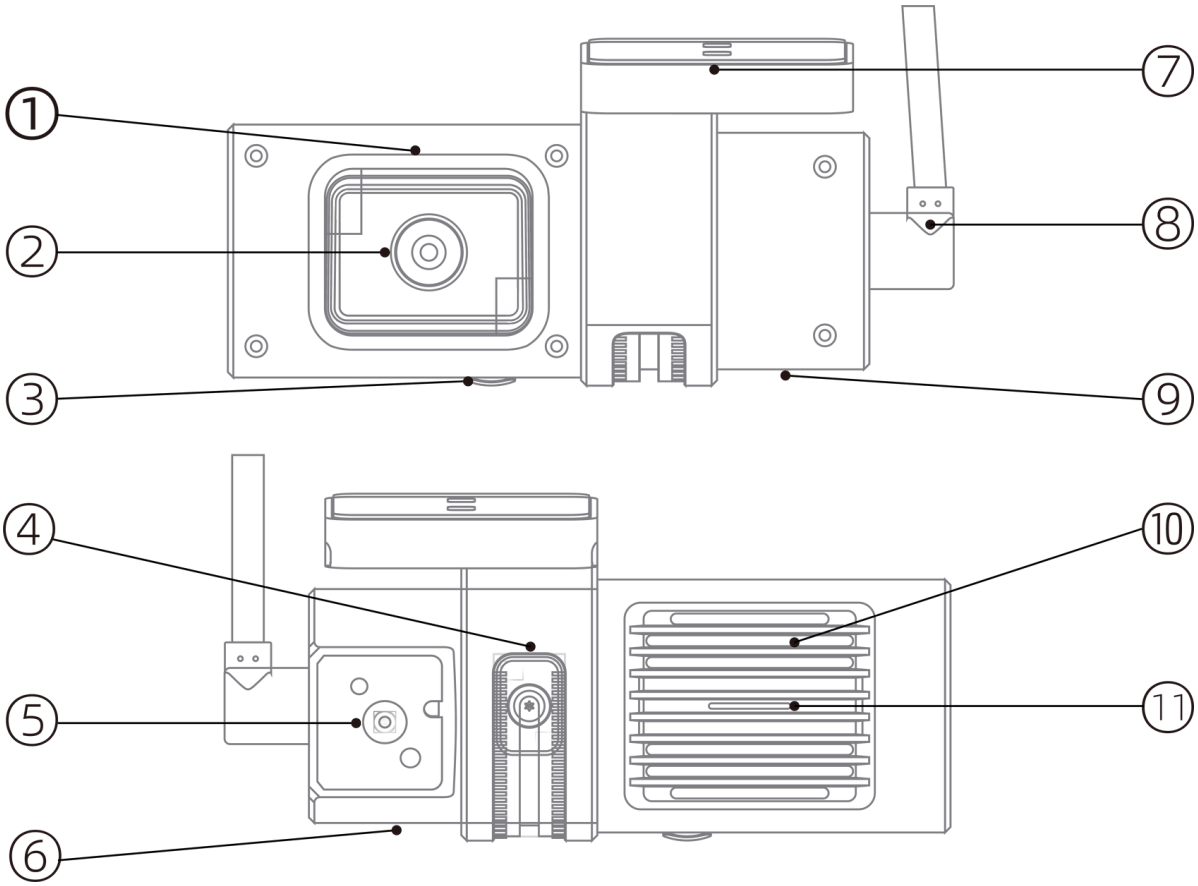
Quick Start Guide



Please read this manual carefully before use.

01 OVERVIEW OF PRODUCT APPEARANCE

1.1 Appearance Description



Item	Function	Item	Function
①	Memory card / SIM card slot	⑦	Mount base
②	Front camera (main)	⑧	Power supply port
③	SOS Key	⑨	Microphone
④	Fastener screw	⑩	Heat sink
⑤	Sub camera	⑪	Speaker
⑥	Status indicator light (red, green, blue)		

1.2 Description of Work Indicators

RED	Off		Device is shut down or in sleep mode.
	Solid on		Device is in ACC ON state and recording video normally.
	Flash		Device is in ACC ON state, but a video recording error has occurred.
Green	Off		Device is shut down or in sleep mode.
	Solid on		Device is in ACC ON state and has successfully obtained its first fix.
	Flash		Device is in ACC ON state and actively acquiring a GPS position.
Blue	Off		Device is shut down or in sleep mode.
	Solid on		Device is in ACC ON state and has normal network access.
	Flash		Device is in ACC ON state but has failed to access the network.

02 PACKAGING LIST

2.1 Standard configuration

Item	Name	Qty
1	DC02 unit	x1
2	Mount base	x1
3	Card slot protective cover	x1
4	Power cable	x1
5	T6 torx screwdriver	x1
6	M2 screws	x3

2.2 Optional accessories

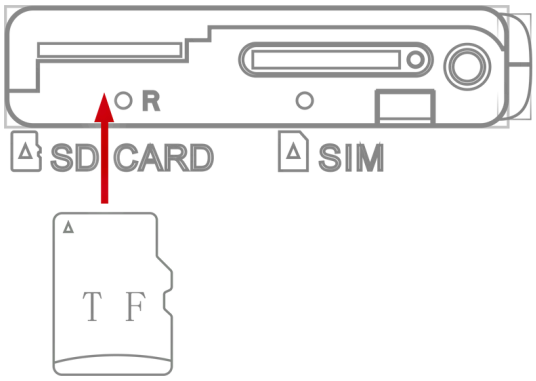
Item	Name	Usage
1	Power cable (for cigarette lighter socket)	Supplies power to the device via the vehicle's cigarette lighter socket.
2	Power cable (for OBD port)	Supplies power to the device via the vehicle's OBD port.
3	Peripheral camera	Can be mounted remotely for monitoring specific areas.

2.3 Selection of accessories

The DC02 series requires both a **SIM card** and a **memory card** for optimal performance. These accessories can be purchased separately based on your needs, but they must meet the following requirements:

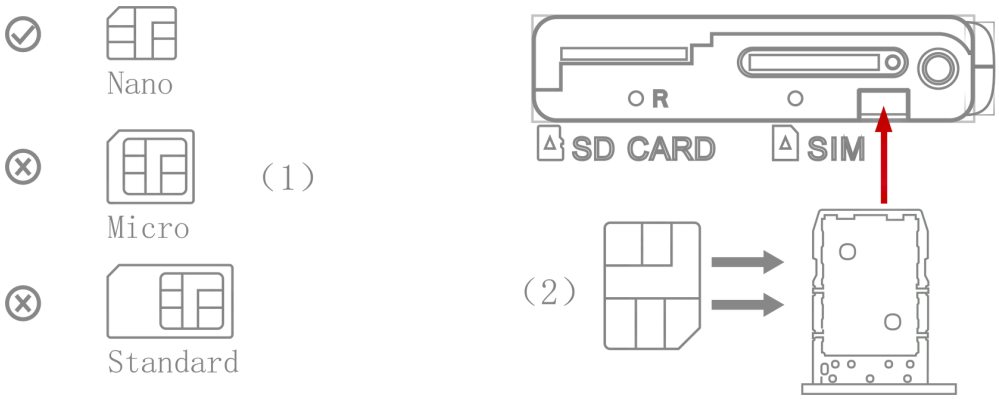
Memory card requirements

1. The device supports **one Micro SD card;**
2. Must be **FAT32 formatted**, with a capacity of **16GB to 128GB.**
3. Must be rated **Class 10 or higher** or **A1 or higher** for performance.
4. Using a **memory card from the original manufacturer** is recommended for better compatibility and stability.
5. Insert the card in the **correct orientation** as shown in the figure to prevent damage.
6. To remove the card, **press it inward**. If removing it inside a vehicle, use moderate force to prevent accidental ejection to an inaccessible area.
7. **Do not insert the SIM card** into the memory card slot.
8. Memory cards have a **limited lifespan**. Test the card **quarterly** to ensure proper read/write performance and replace it periodically to avoid data loss.
9. For devices used **continuously** or in **high temperatures**, industrial-grade memory cards are recommended to prevent recording failures.



SIM Card requirements and installation

1. **Nano SIM card required** (refer to the figure for correct card size).
2. **Use the supplied card tray** for SIM card installation.
3. **Insert or remove the SIM card** only when the device is in the **ACC OFF** state (follow the steps shown in Figure 2).
4. Ensure the **SIM card has an active cellular data subscription.**
5. Use the **supplied ejector pin** to remove the card tray and the SIM card.
6. For devices used **continuously** or in **high temperatures, ceramic SIM cards** are recommended to prevent deformation and communication failures.



ahead and the vehicle cabin simultaneously. It utilizes a 4G network for real-time communication with the backend, GPS and BDS signals for precise location tracking, and a G-sensor to detect vehicle movements. Designed for light vehicle fleets and private cars, the DC02 series enables remote management of both vehicles and drivers, enhancing efficiency and saving time.

3.1 Product features

- **Dual-camera Video Recording**

  The DC02 series features dual-camera video recording, capturing both the road ahead and the driver simultaneously. It supports loop recording, storing videos in segments, and allows video playback through a web browser or mobile app.

- **GPS Tracking & Trip History**

  Equipped with a GNSS module, the device uses GPS and BDS signals to determine precise locations. It acquires and uploads real-time location data while the vehicle is moving and supports trip history playback and retrieval.

- **4G communication**

  With a built-in 4G LTE module operating at CAT.1 speed, the device ensures smooth video transmission to the cloud.

- **Driving behavior monitoring**

  The device also monitors driving behavior, detecting and reporting reckless driving incidents such as collisions, hard braking, hard acceleration, sharp cornering, and speeding.

- **Exception alerts**

  DC02 provides exception alerts, notifying the platform when anomalies occur. It records location data and captures video clips related to the event, then uploads this information to the cloud server for storage and future reference.

3.2 Configuration and parameters

Configuration	Parameter	Configuration	Parameter
Communication network	4G Cat.1	CPU	ARM Cortex A7
Speaker	Support	Microphone	Support
Front camera (main)	1920 × 1080	Sub camera	640 × 360
GNSS	GPS & BDS	G-sensor	3-axis
WiFi	2.4G 802.11 b/g/n AP mode (no WiFi hotspot)	Memory card	Micro SD card in FAT32 16GB–128GB
Frequency bands (vary with the model you purchase)	DC02 -LA	4G FDD: B1/B2/B3/B4/B5/B7/B8/B28 2G GSM: B2/B3/B5/B8	
	DC02 -EU	4G FDD: B1/B3/B5/B7/B8/B20/B28 4G TDD: B38/B40/B41 2G GSM: B2/B3/B5/B8	

3.3 Product performance

Configuration	Parameter	Configuration	Parameter
Operating voltage	DC9-33V	Undervoltage protection	9V
Operating temperature	–20˚C to 70˚C	Overvoltage protection	36V
Storage temperature	–30˚C to 85˚C	Reverse connection protection	Support
ESD protection	Air ±8KV; contact ±4KV	Flame retardant	UL94 V-0

04 PRODUCT INSTALLATION

4.1 Notices

- This device is for **gasoline-powered vehicles only** and should not be used with **electric or hybrid vehicles.**
- Always use the **supplied accessories** for installation.
- The device operates on a **DC 9-33V power supply;** ensure the positive and negative terminals of the power cable are connected correctly to prevent vehicle damage.
- After installation, **remove the protective film** from the camera lens for optimal video quality.
- Use a memory card and SIM card that **meet the recommended specifications** in this guide.
- For proper installation and testing, **consult your dealer or a professional installer** and follow the instructions provided in this guide.

4.2 Installation preparation

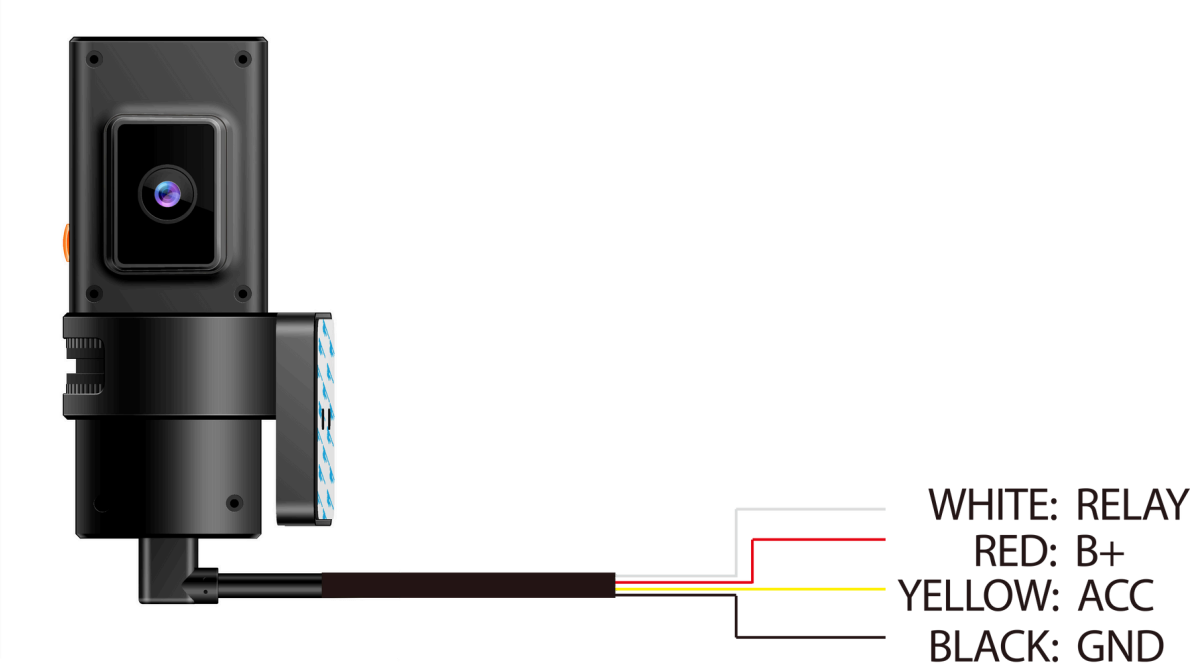
- **Verify package contents** against the packing list to ensure all items are in good condition.
- **Prepare necessary installation tools**, such as insulation tape and assembly/disassembly tools.
- **Check the vehicle's original functions** before installation. If any issues are found, do not proceed.
- **Take necessary cleaning and protection measures** to prevent any damage to the vehicle during installation.

4.3 Product pre-installation

Before installation, ensure all necessary accessories are properly installed on the device:

- **Insert a compatible memory card** correctly into the device.
- **Place a compatible SIM card** in the card tray and insert it into the device.
- **Select an appropriate installation position** and clean the area before mounting the device.

4.4 Product wiring diagram

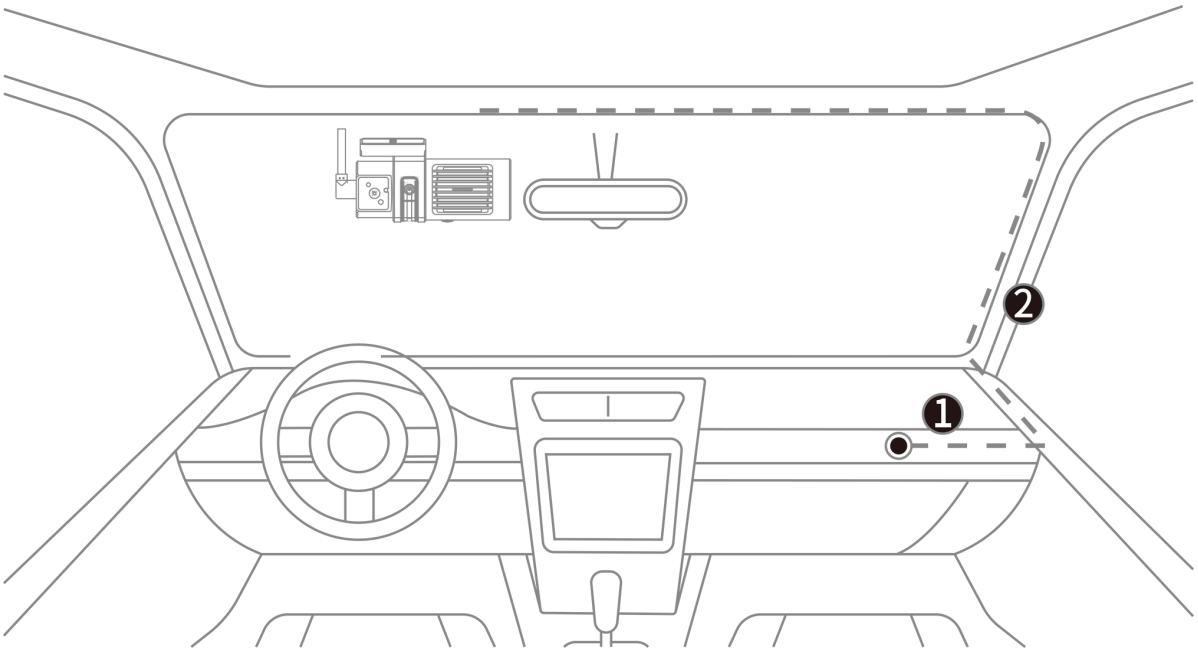


Installation description

1. **Verify all accessories** included in the package and ensure they are intact. Purchase optional accessories as needed.
2. **For peripheral camera installation,** use a camera specified by the manufacturer for compatibility.
3. **For relay installation,** ensure a compatible relay kit is purchased separately.
4. **Secure the power cable connection** by tightening the fastener screw to prevent it from coming loose.

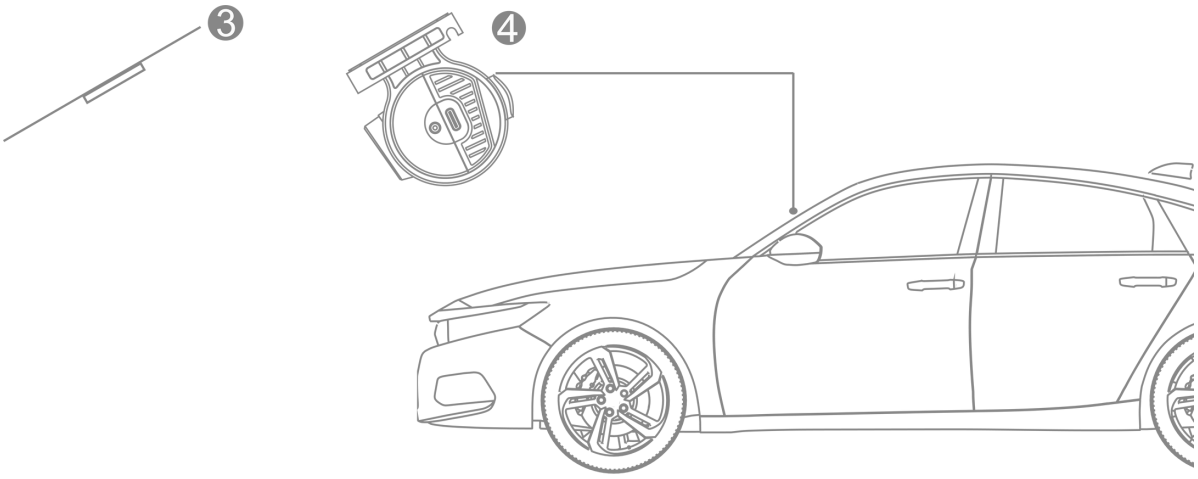
4.5 Installation

- It is recommended to install the main unit on the front windshield, positioned to the left side behind the rearview mirror. The installation process consists of (1) Mounting the main unit securely in the recommended position, (2) Routing the power cable properly to ensure a neat and stable connection



Step 1: Connect the power cable of the device with the **B+, ACC, and GND wires** from the vehicle fuse box. Refer to Figure ① for the correct wiring locations.

Step 2: Route the power cable along the **A-pillar** to the **top center of the front wind shield**. Follow the dotted line in Figure ② for proper cable routing.



Step 3: Attach the mount base
Select a suitable position on the **front windshield,** preferably to the **left side behind the rearview mirror** near the driver's seat. Clean the mounting area to remove any dust or smudges. Peel off the protective film from the **3M double-sided adhesive tape** on the mount base and firmly attach it to the selected position, as shown in Figure ③. After securing the base, apply moderate pressure to enhance adhesion, ensuring any air pockets are removed so that the mount base remains securely in place.

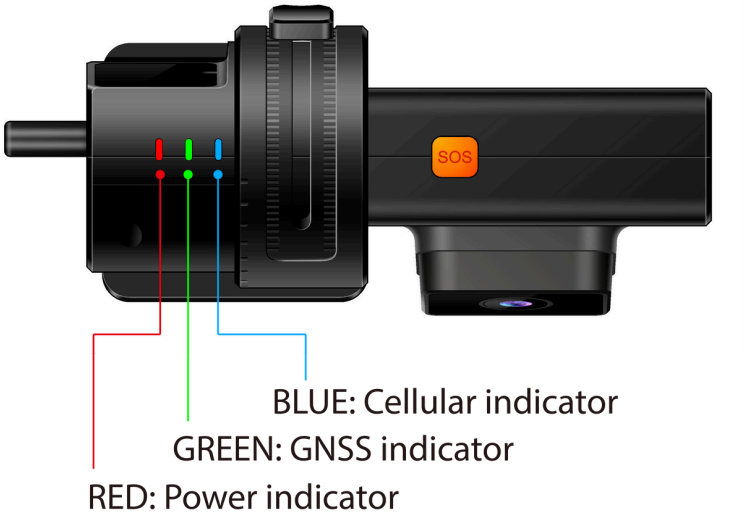
Step 4: Attach the device to the **mount base** and adjust the **front camera** to ensure it is facing forward horizontally, as shown in Figure ④. Once properly positioned, tighten the **adjustment screw** on the mount base. Finally, connect the power cable to complete the installation.

4.6 Device testing

To ensure proper installation and functionality, follow these steps:

1. Verify the Power Connection: When the vehicle is in the **ACC ON** state, the device's **power indicator (red LED)** should be **solid on**. If the power indicator remains off, check the power connections.

2. Test the GNSS Function: When the vehicle's ignition is **turned to ON,** the **GNSS indicator (green LED)** should begin **flashing**. Drive the vehicle to an open area and wait approximately **one minute**. Once the device acquires a satellite fix, the **GNSS indicator will turn solid on.**



3. Verify Data Communication: When the vehicle's i**gnition is turned to ON**, the **cellular indicator (blue LED)** should start **flashing**. Drive to an area with a strong cellular signal, and once the connection is established, the indicator will turn solid on.

4. Test the Cameras: Log in to the **designated mobile app** and navigate to the **live video interface**. If you can switch between cameras, they are functioning properly. **Adjust the camera angles manually** as needed to ensure optimal coverage.