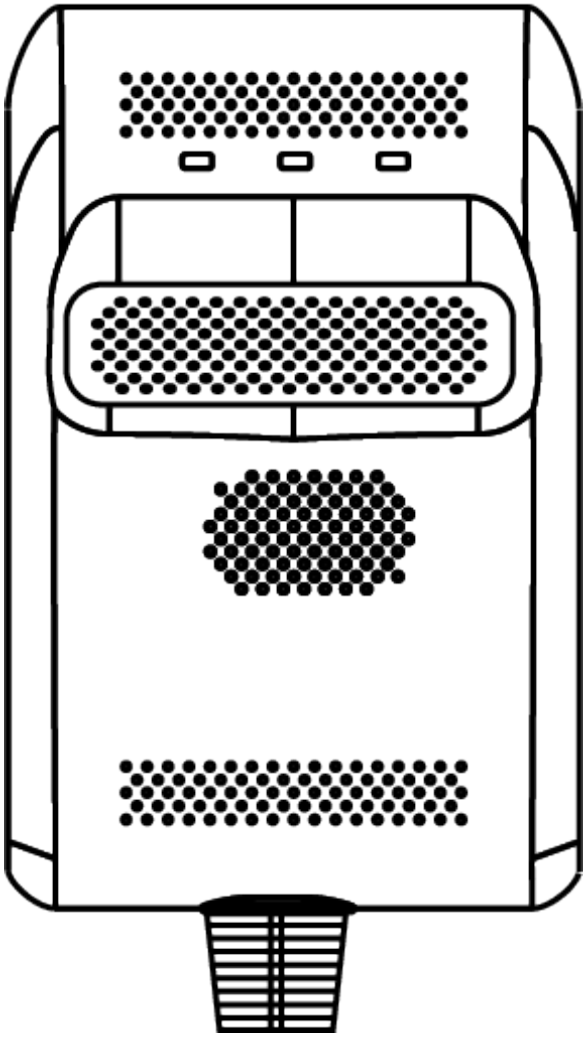
TRAMIGO



DC01-AI

User Manual

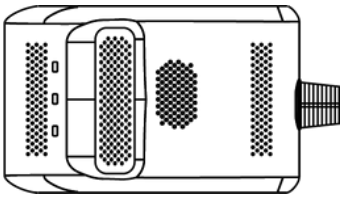
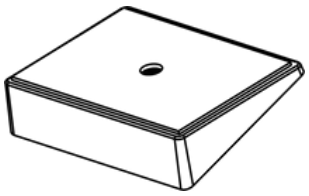
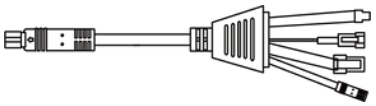
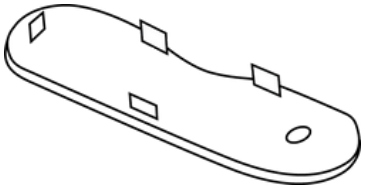
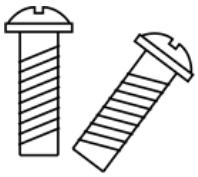
Please read this manual thoroughly before use.

CONTENTS

1. INTRODUCTION

1.1 Packing List

Standard

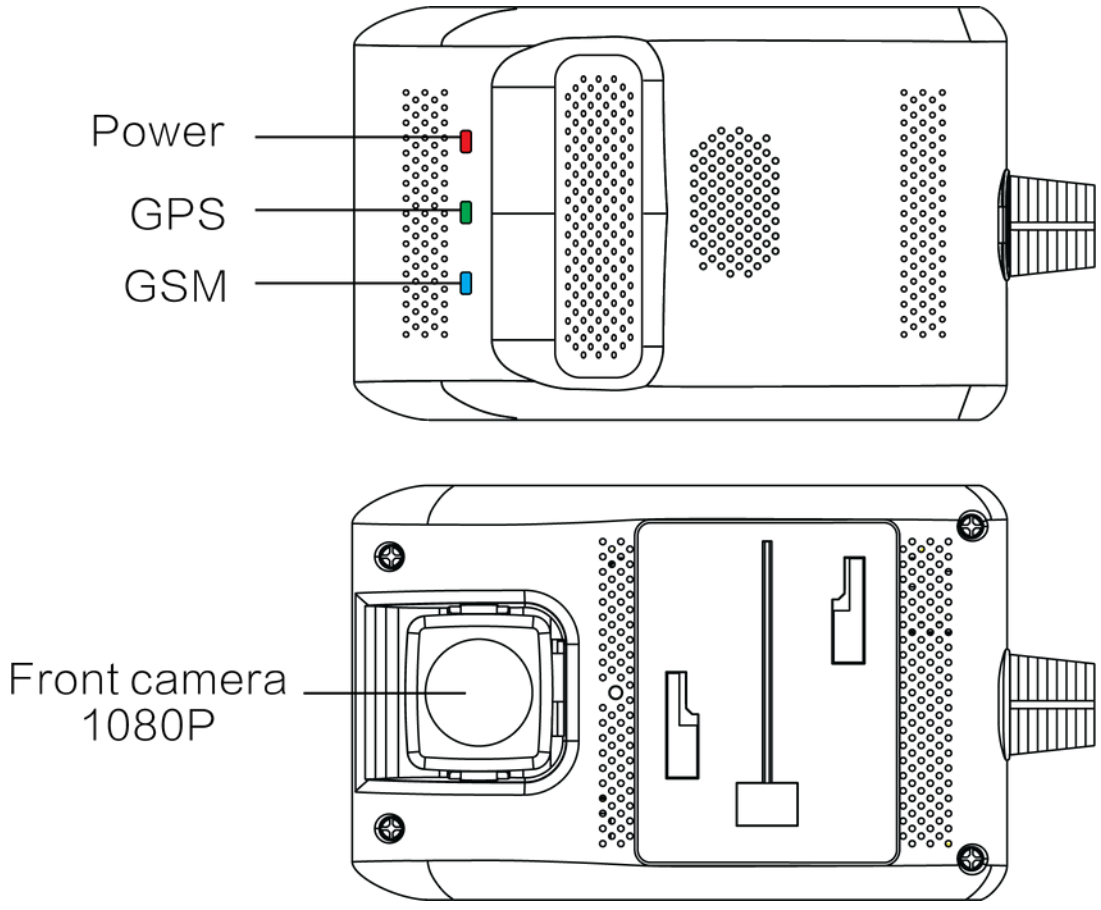
 DC01-AI-AI	 Bracket (for sedans)
 Power bundle	 Tamper cover
 Cross-head screwdriver	 Screws

1.2 Overview

- The DC01-AI series utilizes a 4G network for communication. These dual-channel digital video recorders (DVRs) not only support simultaneous recording with two cameras but also enable local recording and remote live streaming simultaneously. The system is equipped with a range of safety features, including DMS (Driver Monitoring System), ADAS (Advanced Driver Assistance System), exception alerts, and more.
- The device's 4G capability ensures seamless video streaming, live audio alerts, fast data uploads, route replay, and video history playback. These features empower fleet managers to coach drivers using actionable data, enhancing operations and unlocking greater benefits across various sectors, including government, logistics, ride-hailing, and taxi fleets.

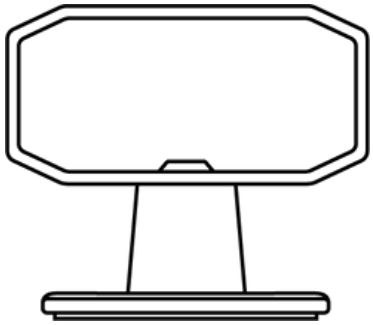
1.3 Appearance and LEDs

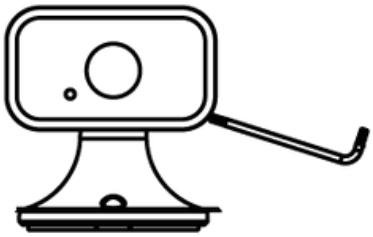
1.3.1 Main Unit



Product Model	DC01-AI main unit
Camera	1920x1080/25FPS/F 2.2/Full color

1.3.2 Subcamera Options

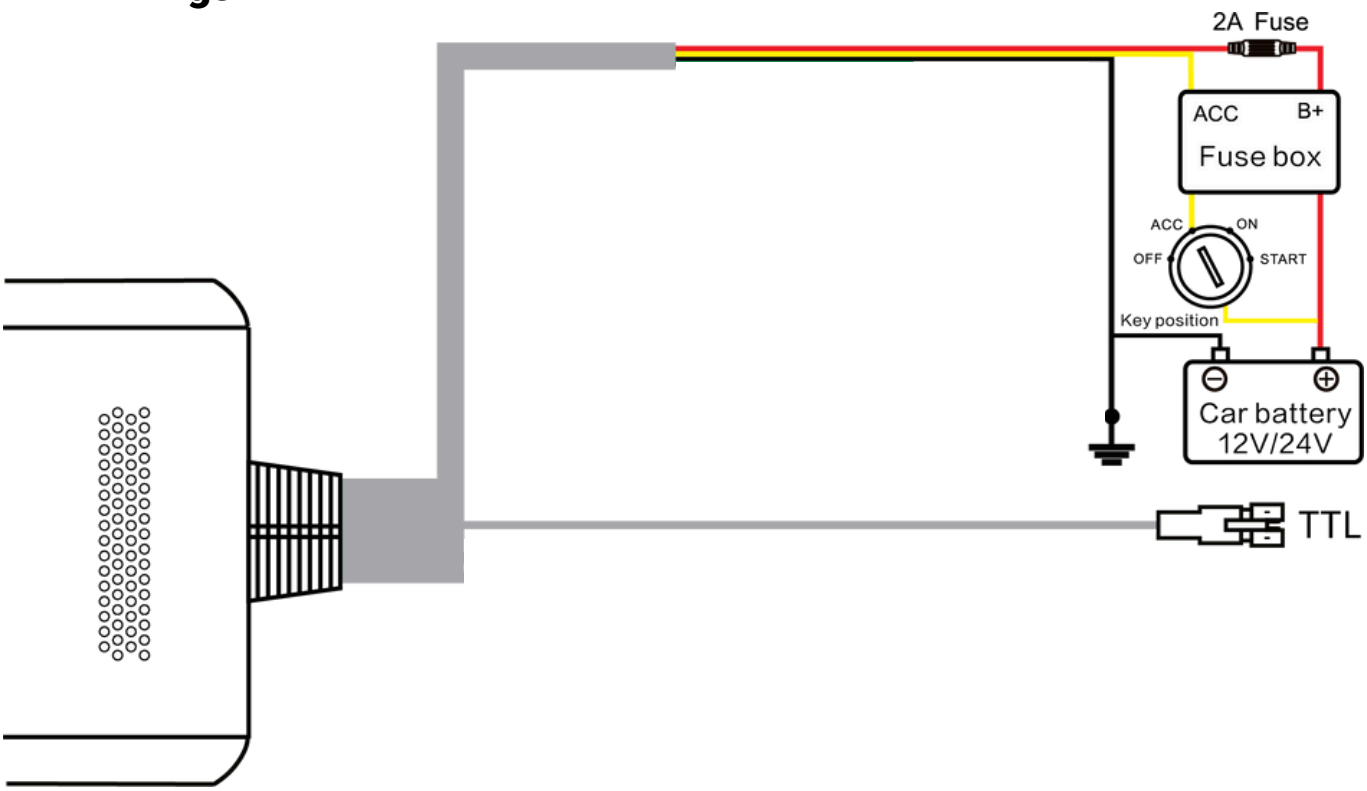
Product Model	DI01-AI	DI01-AI DMS Camera
Camera	1280x720/10FPS/ monochrome all day	
Usage	Monitor the cabin	

Product Model	DI02	DI02 Rear Camera
Camera	1280x720/10FPS/ Color in daytime and mono in nighttime	
Usage	Monitor the cabin or cargo in trailer	

1.3.3 LEDs

LED	Color	Connotation	Status
Power	Red	Solid on	Device power on
		On for 0.5s and off for 10s	Device in sleep mode
		On for 1s and off for 1s	No TF card detected or TF card damaged
		Off	No power connected
Network	Blue	Solid on	Connection to server succeeded
		On for 5s and off for 1s	GSM and GPRS networks are available, but connection to server failed
		On for 1s and off for 1s	Only GSM network is available
		Off	GSM network is unavailable
GNSS	Green	Solid on	Location succeeded
		On for 1s and off for 1s	Device is locating/location failed

1.4 Wirings



Cable	Definition	Color	Usage
Power	B+	Red	Connect to battery positive (9-30V), power input
	GND	Black	Connect to battery negative, power input
	ACC	Yellow	Connect to ACC ON/Positive (9-30V), power input

2. SPECIFICATIONS AND FEATURES

2.1 Specifications

Category	Item	Parameter	Remarks
Hardware	Memory	1GB+16GB	
	Standard version	4G	FDD: B1/B3/B5/B7/B8/B19/B20 TDD: B38/B39/B40/B41(100M)
		3G	WCDMA: B1/B2/B5/B8
		2G	GSM: 850/900/1800/1900
	WiFi	2.4GHz	802.11/b/g/n
	GNSS	Support	GPS/BDS
	Microphone	Support	For remote voice communication
	Speaker	Support	To notify drivers of status or events
Interface/Key	Reset key	Support	Located on the main unit
	Interface	Micro USB	For commissioning and upgrade
Others	Power supply	Fuse box	B+/ACC/GND
	Supply voltage	DC 9-30V	
	Operating temperature	-20℃ ~ 65℃	

2.2 Features

No.	Feature	Description
1	Video recording	Enables the device to record in a continuous loop while the vehicle is moving
2	Live video	Allows the device to live stream images captured by the cameras via the LTE network to the platform (web or app).
3	Tracking	Uploads location data and motion information via the mobile network to the platform for analysis.
4	Event alert	Uploads alert messages and video files to the platform when events such as collisions, vibrations, dangerous driving behavior, DMS reminders, speeding, or emergencies are triggered

Note:

For details about features, refer to the operation guide.

3. INSTALLATION

Precautions:

1. Vehicle compatibility

- This device is not suitable for Battery Electric Vehicles (BEVs) or Hybrid Electric Vehicles (HEVs).

2. Accessories

- Use only manufacturer-specified accessories to ensure compatibility and safety.

3. Power supply

- The standard power supply for this device is DC 9-30V.
- Always use the original power cable and ensure the positive and negative terminals are wired correctly.

4. Camera preparation

- Remove the protective film on the remote camera before installation.

5. Installation recommendation

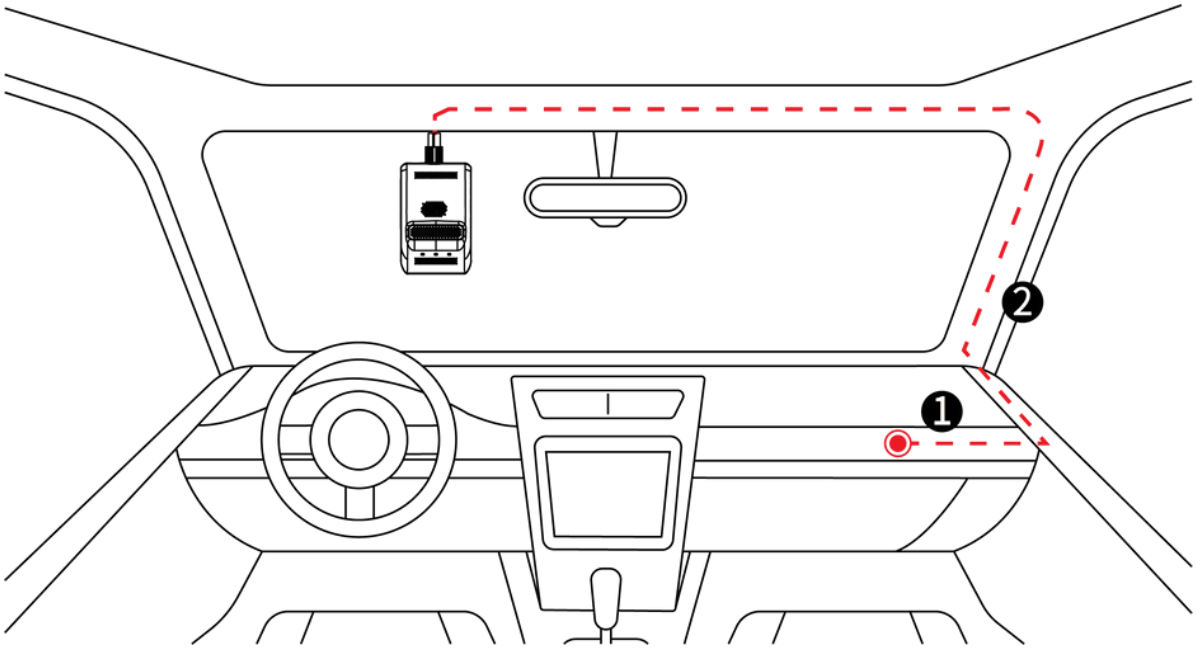
- It is highly recommended to have the installation and commissioning performed by a distributor, designated business, or an expert.

3.1 Preparation

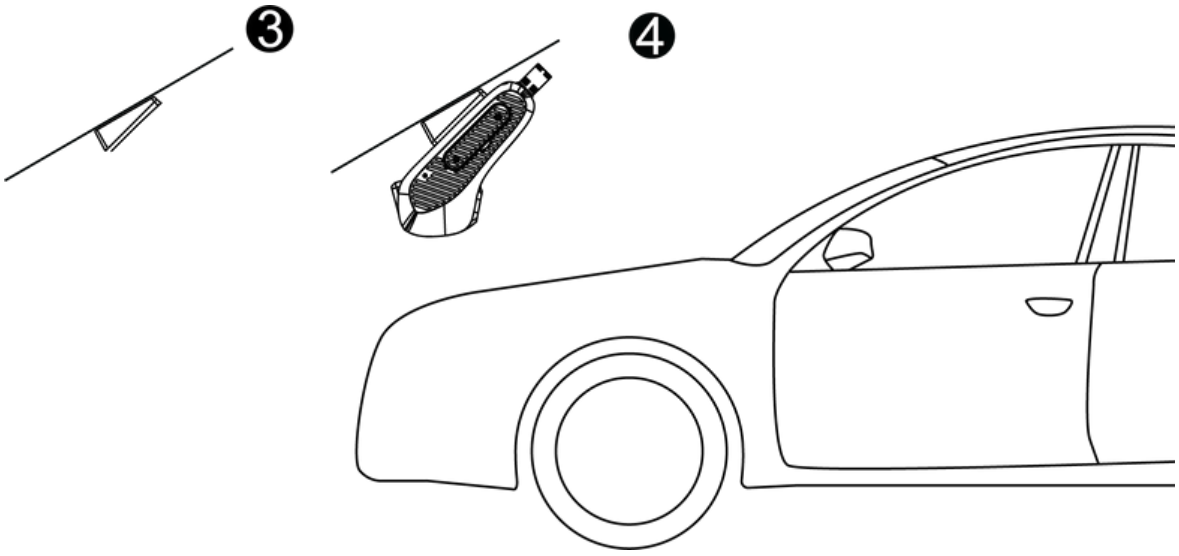
Device check

- Visually inspect the device to ensure it is in good condition and verify that all relevant accessories are included and intact.

3.2 Main Unit Installation



- Connect the device's power cable to the B+, ACC, and GND terminals of the vehicle’s fuse box. Position ① is the reference point.
- Route the power cable along the A-pillar of the vehicle to the upper center of the front windshield, as shown by the red dashed line (②) in the figure for reference.

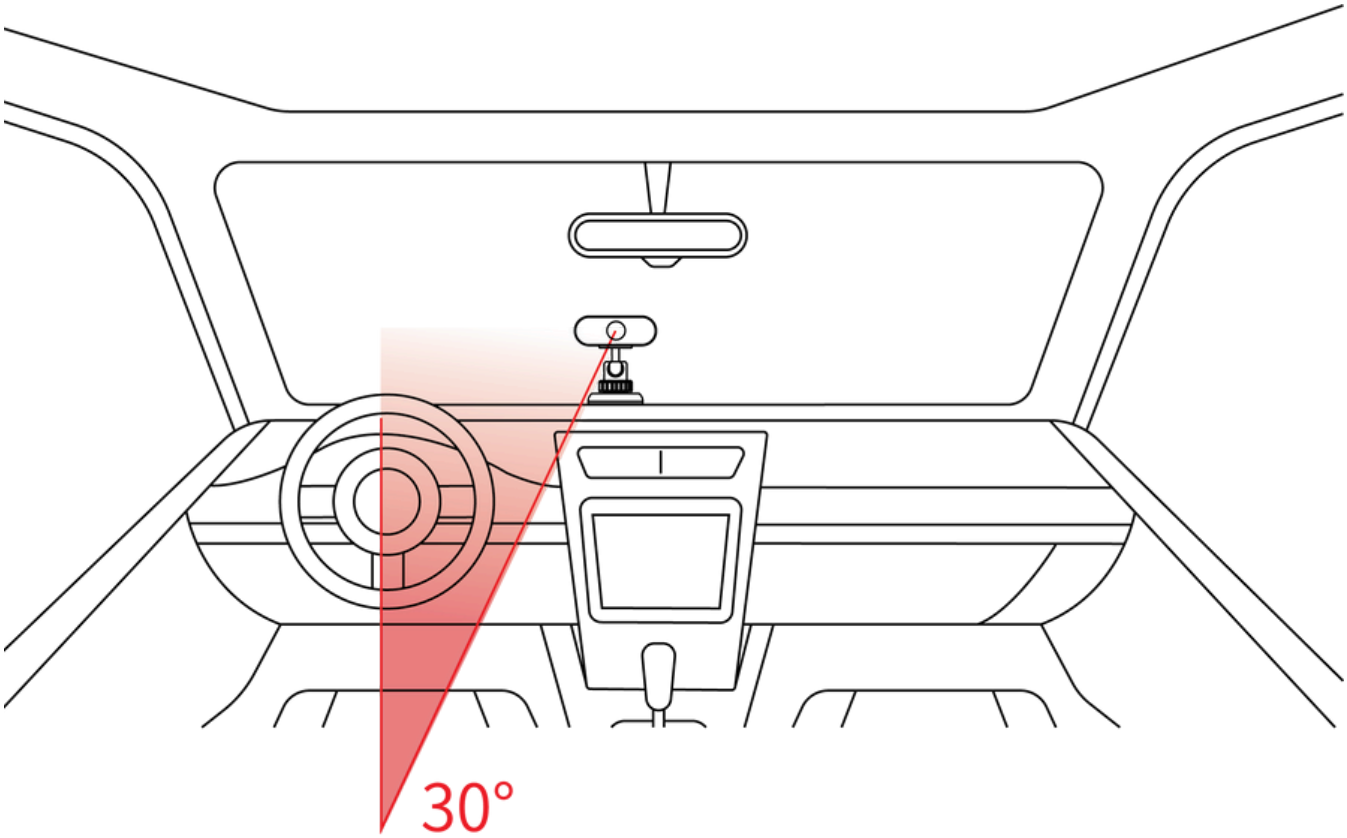


- Select an appropriate installation position and clean the area thoroughly.
- Remove the protective film from the 3M tape on the mounting base and attach it to the selected position. Allow the adhesive to set for 2 hours before proceeding (see ③ for reference).
- Attach the device to the mounting base and connect the power cable properly (see ④ for reference).
- Secure the power cable firmly.

3.3 Installation of Accessories

3.3.1 DI01-AI DMS Camera

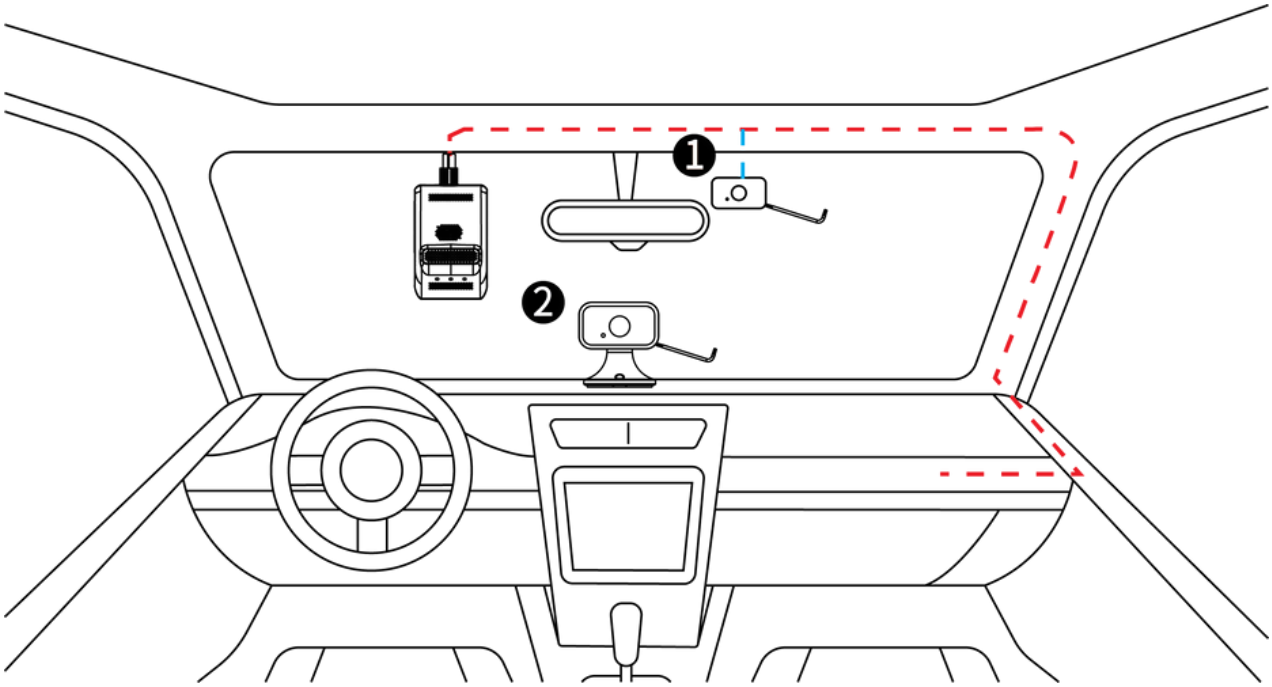
- The DI01-AI DMS camera is designed primarily to monitor the driver. Position the camera at an angle of approximately 30° toward the steering wheel, directly facing the driver's head, as illustrated in the figure below.

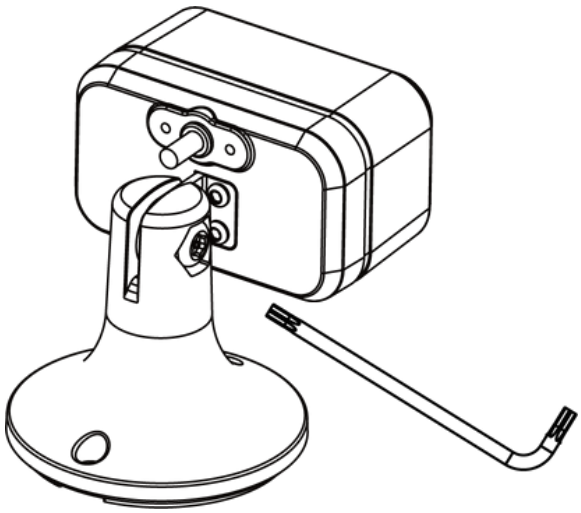


Note

- Select the appropriate accessories based on your specific requirements.
- It is recommended to consult a distributor, designated service provider, or expert for installation and commissioning.

3.3.2 DI02 Camera

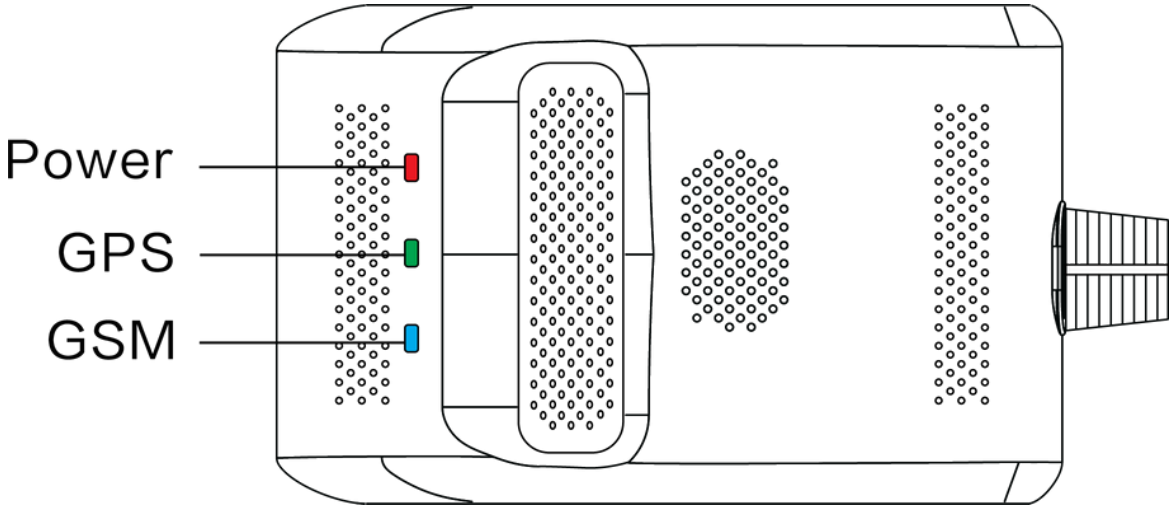




- Position the camera to face inward and install it on the windshield behind the rear-view mirror (as shown in ①) or at the center of the dashboard (as shown in ②).
- Clean the selected position thoroughly, remove the protective film from the 3M tape, and attach the camera securely.
- Use the supplied screwdriver to tighten the camera screw, ensuring it remains at the optimal angle.
- Connect the cables properly and secure them firmly.

3.4 Commissioning

- Check the LED, see 1.3.3 for reference.



- **Check the Camera:** Ensure the camera is functioning properly by logging into the platform and verifying the live video feed. Confirm that you can switch between the two cameras. Adjust the camera manually as needed to meet your requirements.