AI Dashcam

Installation Manual

Thank You for Choosing TruckX!

Thank you for choosing TruckX as your Telematics & Fleet Management Partner. We're excited to be part of your fleet's success.

Please read this manual carefully to ensure correct installation of the TruckX AI Dashcam. If you have any questions or need assistance at any point, reach out to our Customer Support Team anytime at **(650) 600-0008** or **Support@TruckX.com**.

You can check our installation video if necessary. **Click here**

This manual is periodically updated to enhance performance and may change without prior notice.

Thank you again for your trust in TruckX!

Index

Explanation of LED Indicators

All LEDs
- **Always ON:** DC is functioning correctly
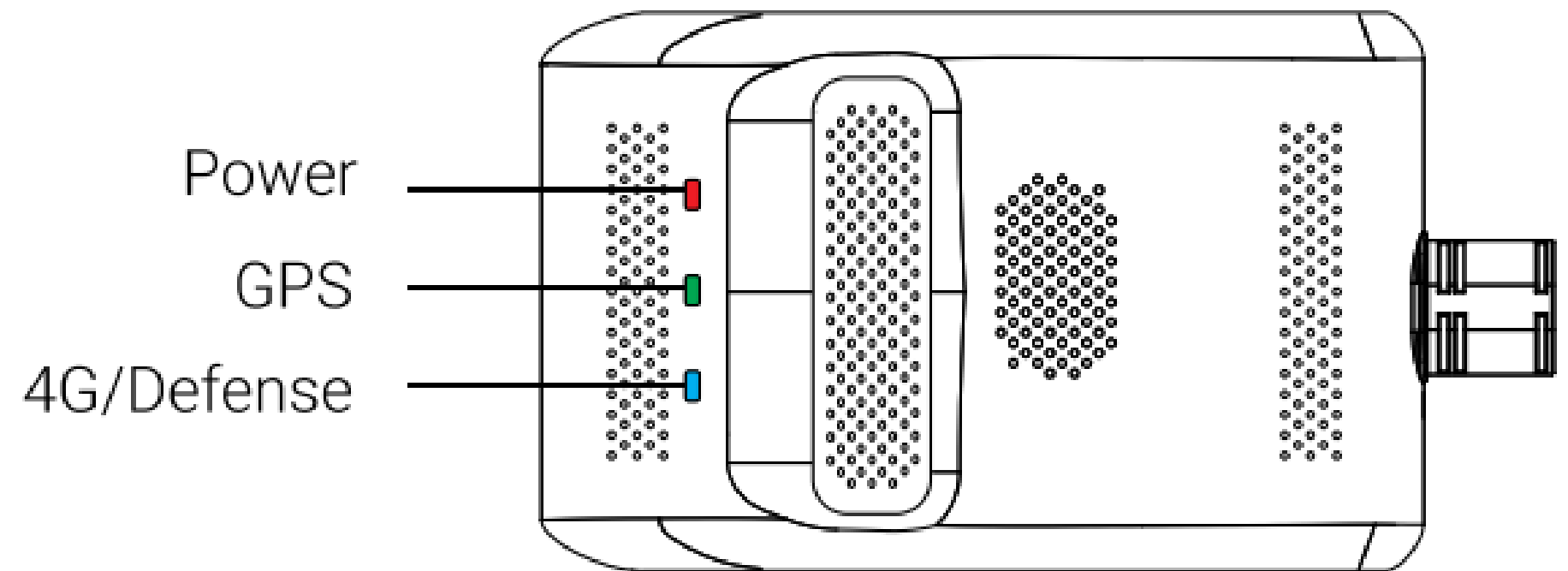- **OFF:** DC is in sleep mode

Red LED (Power Indicator)
- **Always ON:** DC is correctly powered ON
- **Flashing:** DC is in sleep mode
- **OFF:** DC is not receiving power

Green LED (GPS Signal Indicator)
- **Always ON:** DC has secured a GPS signal, recording location data
- **Flashing:** DC is searching for the GPS network
- **OFF:** DC is in sleep mode

Blue LED (4G/Defense Indicator)
- **Always ON:** DC is connected to the Internet, transmitting to the TruckX Platform
- **Flashing:** DC is facing network issues or receiving alert triggers
- **OFF:** DC is in sleep mode, or Defense is off

Power

GPS

4G/Defense

* DC - Dashcam

Packaging List

- Dashcam Base Unit
- Front-Facing Camera
- Manual Trigger (SOS Button)
- Power Cables
- External Battery
- Screws & Screwdriver
- Relay & Tamper Cover
- Bracket
- Tamper Lock (Optional)
- Bracket for medium/heavy duty trucks (Optional)

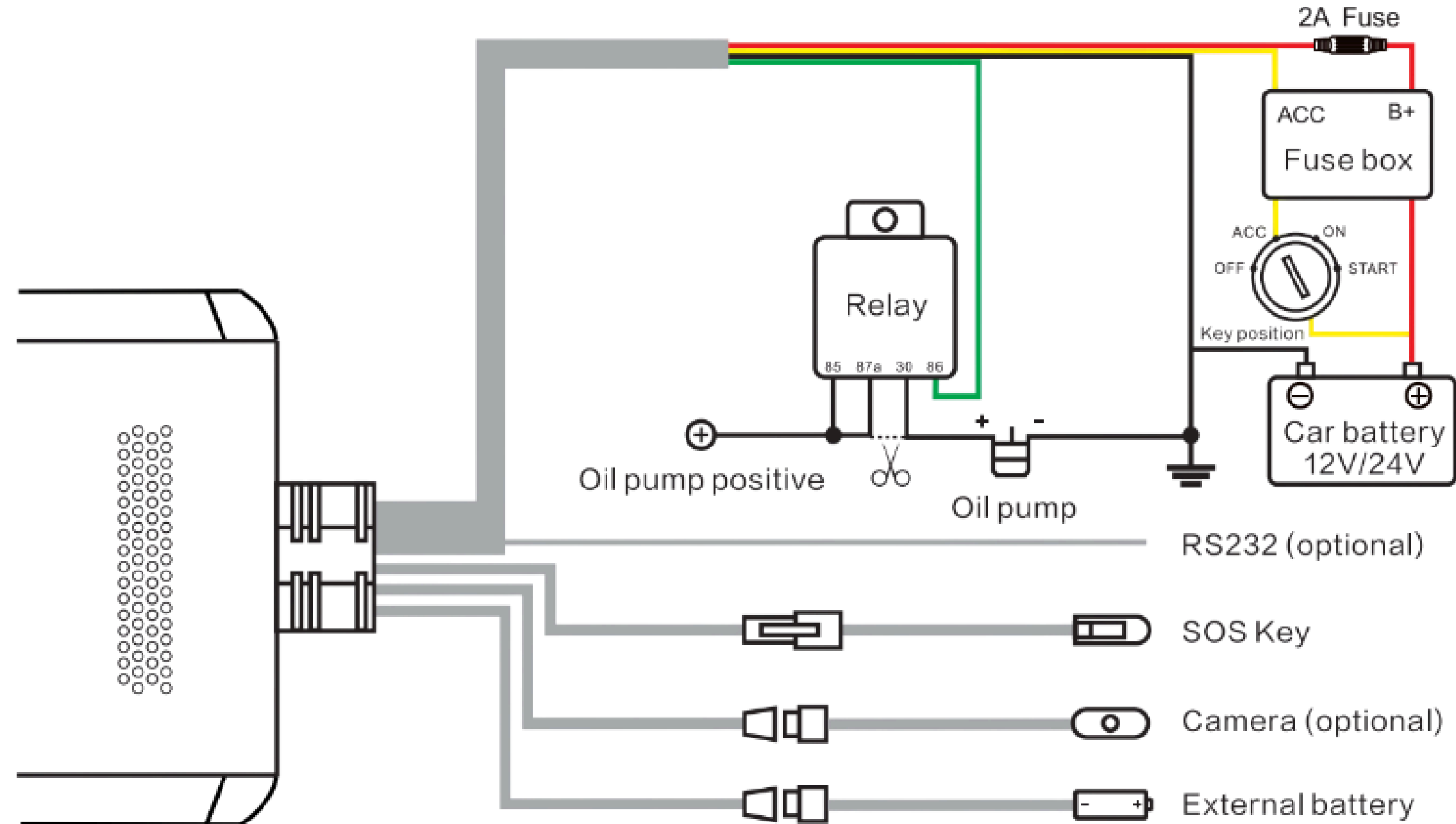* The driver-facing camera can be purchased at an additional cost.

Product Installation Notes

- This product is not intended for use with battery electric or hybrid electric vehicles
- Ensure the use of manufacturer-specified accessories during installation
- The device requires a power supply of DC9-30V. Always use the original power cable and connect the positive and negative cables correctly
- Before installation, remove the protective film from the camera for optimal visual quality
- For installation and testing, consult the TruckX Support Team and follow the instructions provided
- Before mounting the device, please prepare the necessary accessories:
  - Insert the TF card in a speed class 10 or higher and with a capacity of 16GB or above.
  - Ensure the device is off before placing the SIM card into the cardholder, and insert it securely into the device
  - Prepare the camera for installation and position it appropriately as required

Product Wiring

Cable	Definition	Color	Usage
Power	B+	Red	To battery positive (9~30V), power input
	GNP	Black	To the battery negative, power input
	ACC	Yellow	To ACC On/ Positive (9~30V), power input
SOS	SOS	/	To the external SOS key
Battery	External battery	/	To provide a 450mAh backup battery for the device to protect it against a power outage resulting from sudden power disconnection.

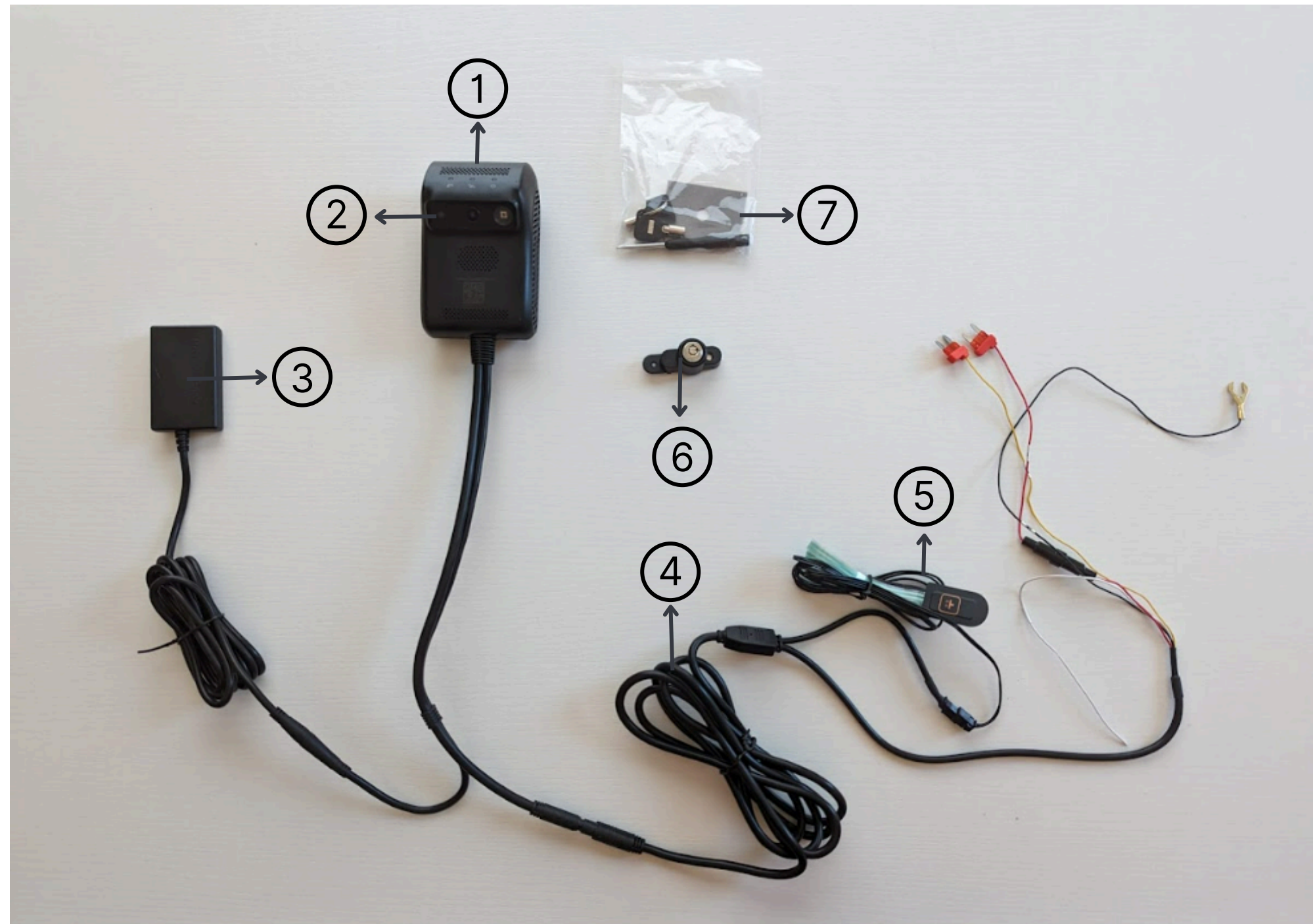# Product Wiring Diagram

2A Fuse

ACC   B+

Fuse box

ACC   ON

OFF   START

Key position

Relay

85   87a   30   86

Oil pump positive

Oil pump

Car battery
12V/24V

RS232 (optional)

SOS Key

Camera (optional)

External battery

Product Specifications

Category	Item	Parameter
Hardware	Memory	1 GB + 16 GB
	Standard version	4G
	WiFi	2.4GHz
	GNSS	Support
	Microphone	Support
	Speaker	Support
Interface	Reset Key	Support
	Interface	Micro USB
Others	Power Supply	Fuse Box
	Supply Voltage	DC 9~30V
	Battery	External
	Operating Temperature	-20°C ~ +65°C

Product Features

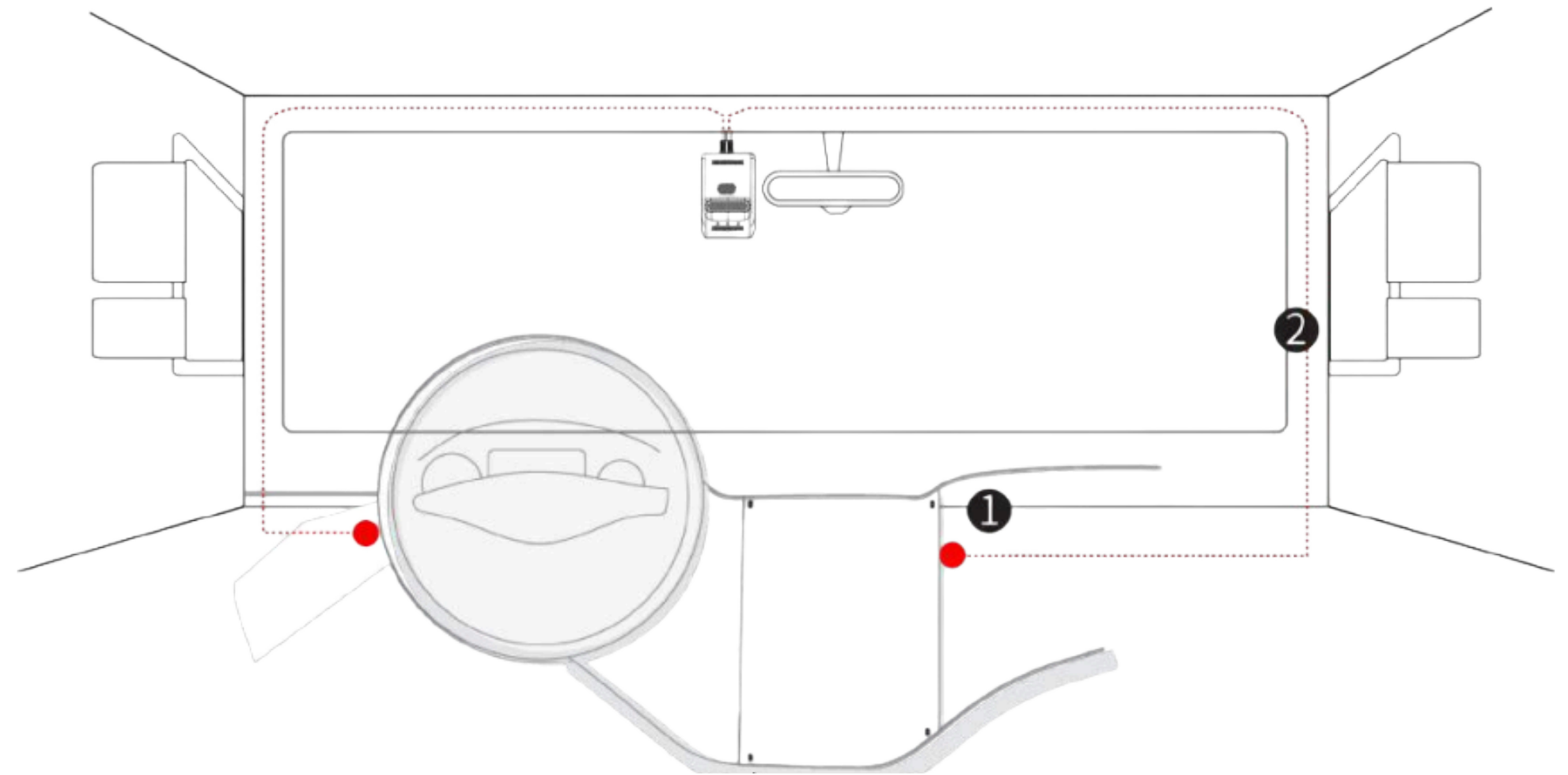| Sr No.	Features	Description
1	Video recording	This enables the device to record in a loop while the vehicle is motion.
2	Live Video	This enables the device to livestream images captured via the cameras via the LTE network to the platform (web or app).
3	Tracking	This enables the device to upload location data and motion information via the mobile network to the platform for analysis.
4	Event Alert	This enables the device to upload alert messages and video files to the platform when an event is triggered by collision, vibration, or dangerous driving behaviour, emergency, DMS reminder, speeding, etc.
5	SOS Alert	This enables the device to notify the platform at the earliest time possible to trigger the SOS alert and activate video recording when an emergency occurs.

Setup Preview

① Dashcam Base Unit

② Optional: Driver-Facing Camera would be added here

③ Power Bank

④ Extension Cable for Manual trigger

⑤ Manual Trigger (SOS Button)

⑥ Lock

⑦ Mounting Board, keys & Screwdrivers
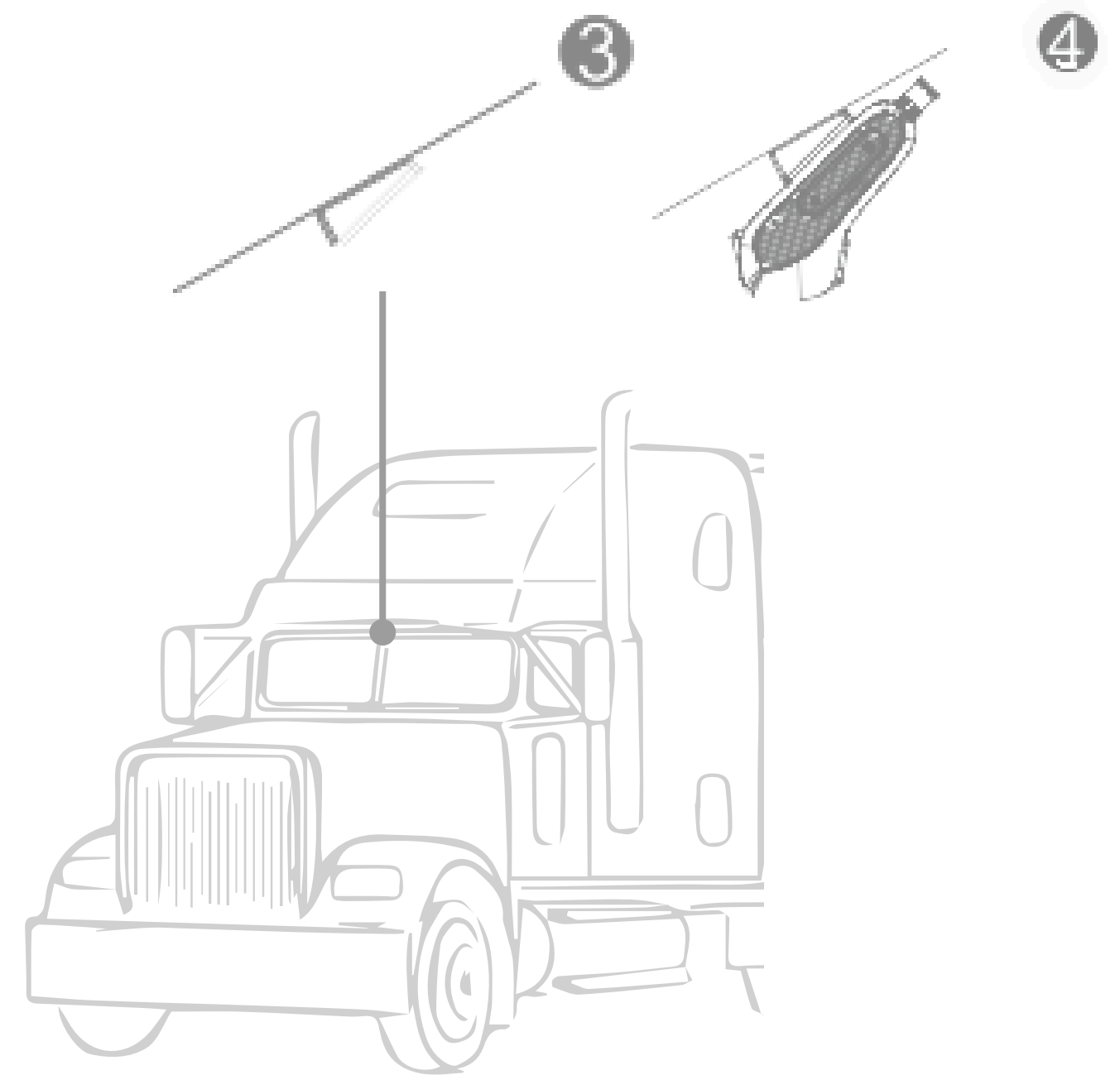
Main Unit Installation (1)

The device is installed at the top-center of the vehicle's windshield by mounting the main unit and arranging the wiring.

- **Step 1:** Connect the device's power cable to the vehicle's Fuse Box B+, ACC, and GND power sources. Refer to mark ① for specific location.
- **Step 2:** Route the power cable along the vehicle's A-pillar and secure it at the top-center of the front windshield. See the dotted line diagram marked as ② for guidance.

Main Unit Installation (2)

- **Step 3:** Select a suitable installation position and clean the space for installation. Then, remove the protective film from the 3M tape on the mounting base and attach it to the designated position, then wait for 2 hours before proceeding to the next step.

- **Step 4:** Mount the device to the base and connect its power cable correctly (ref to Img 4), then secure the cable tightly.
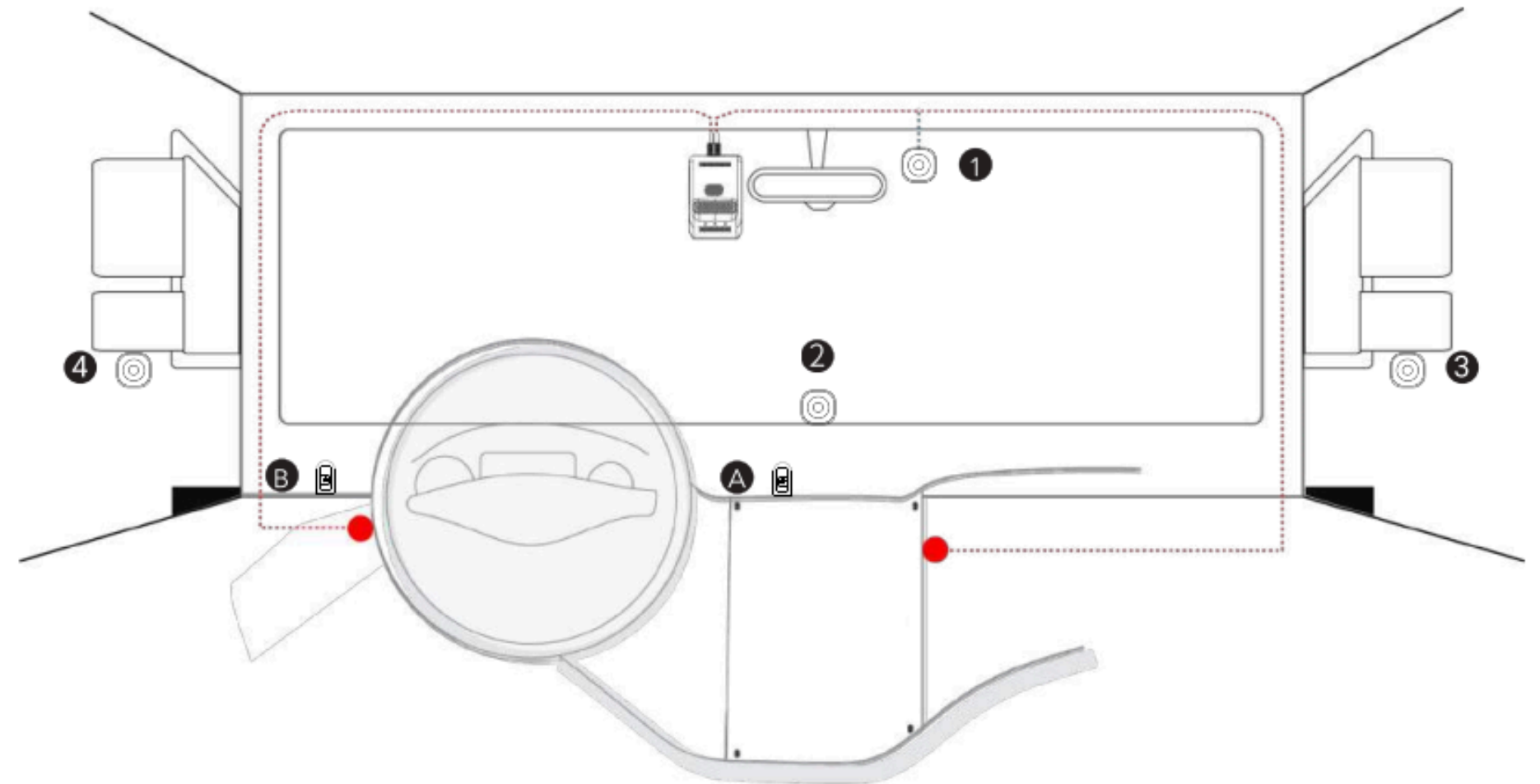
Installation of Accessories

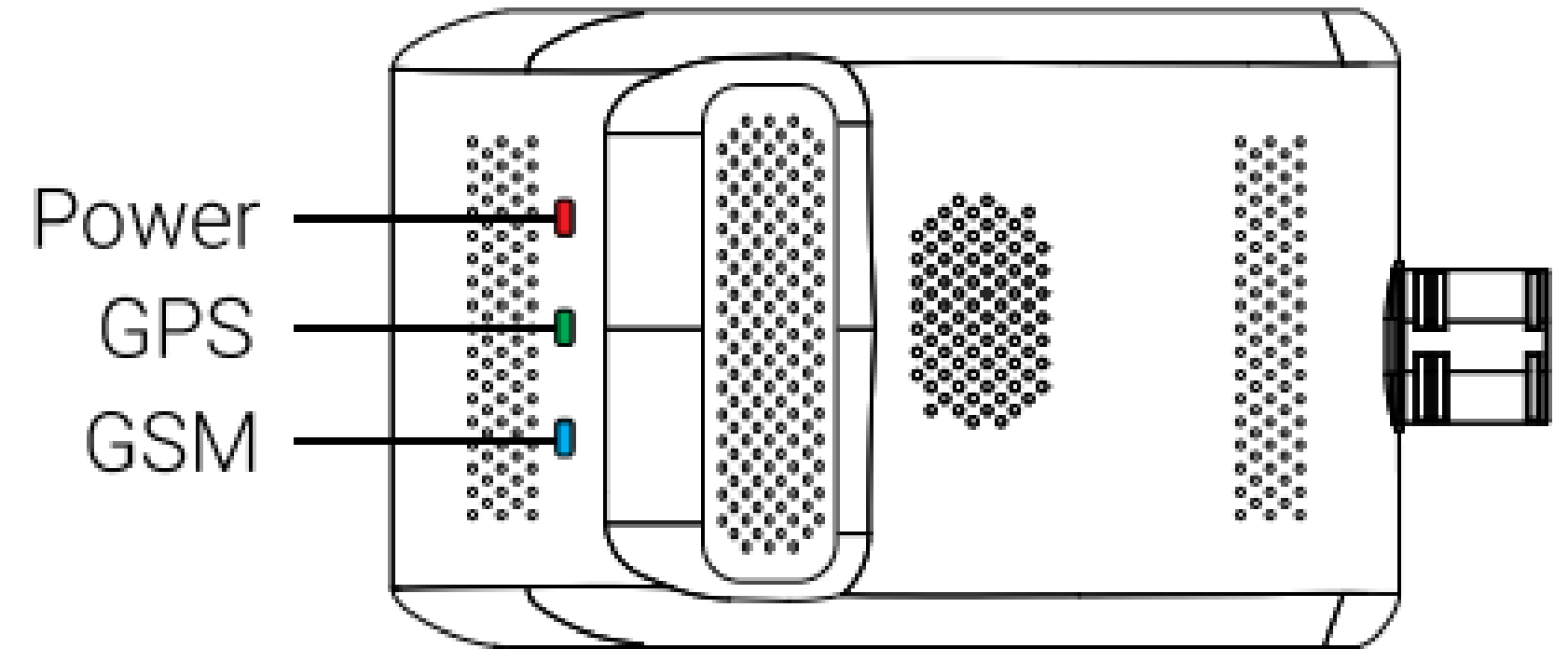Select a position to install the front-facing camera according to your preference.

Here are a few preferences:
① Near the rearview mirror
② On the Dashboard (Directly facing the driver)
③ Right side mirror
④ Left side mirror

Check Connection

① Check the LED lights to know if the Dashcam is working properly. Refer to the wiring section for detailed information.

② To verify camera functionality, log into the platform and confirm if the live video, camera switching, and manual adjustment capabilities are working properly.

Power ——

GPS ——

GSM ——

Notes

① Use only the manufacturer's original battery. The use of non-original accessories may damage the device, voiding the manufacturer's repair liability.

② Avoid metal objects as they may cause short circuits on battery contacts.

③ Do not remove the cover of the battery.

④ Do not soak the battery in water or expose it to fire.

⑤ It is forbidden to use batteries that are deformed, damaged, spilled, or package-damaged. If such an exception, such as over-temperature, deformation, discoloration, spillage, etc., occurs during use, charging, or storage of the battery, please stop using the device immediately and contact the after-sales center for a replacement.

⑥ It is forbidden to dismantle, modify, or charge (in any other method other than stated) the battery.

Important: Footage Retrieval

The Dashcam can locally store up to 3 days of recordings. If the event has not already been identified and fully captured on the TruckX Fleet Management Portal, it is recommended to contact Customer Success Team as soon as possible within these 3 days after an accident or incident to retrieve the footage remotely and avoid potential loss. Alternatively, users can safely remove the SD card and transfer the local video footage to a laptop using an SD card reader.

All-In-One Fleet Management Platform

Door Sensor

Temperature and Humidity Sensor

Asset Trackers

AI Dashcams

Bluetooth ELD One