



4-Channel AI Dashcam Pro Installation Manual

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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 4-Channel AI Dashcam Pro. 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!

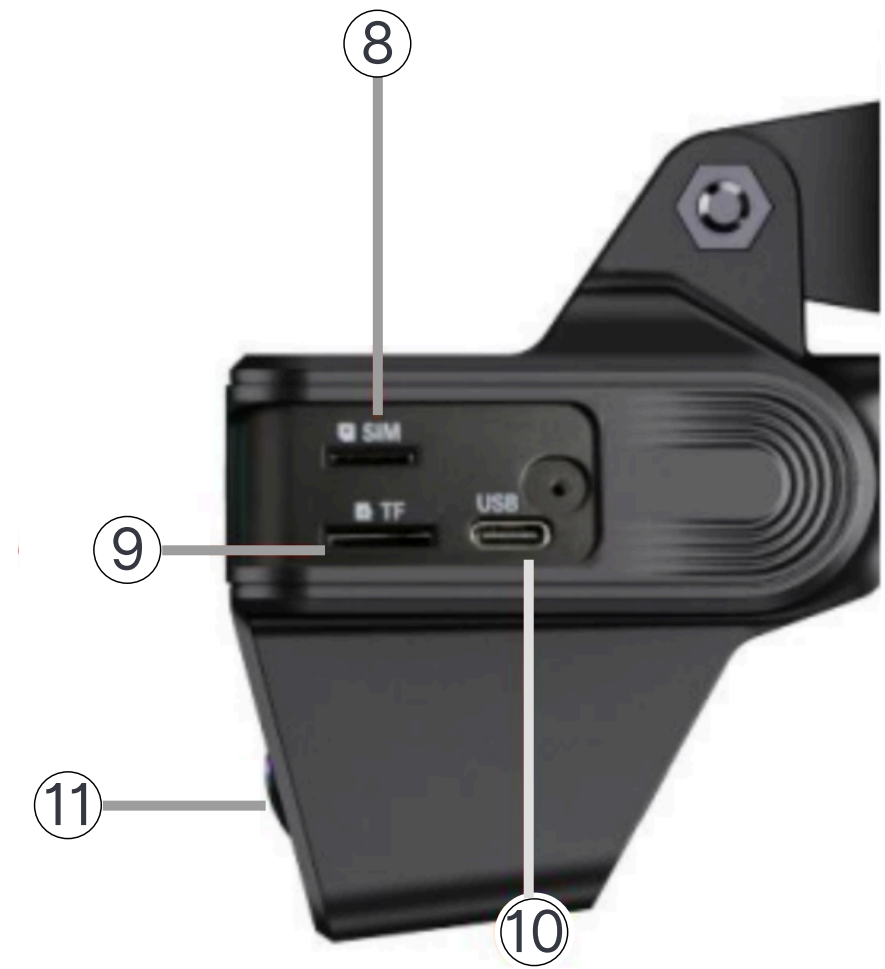


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Product Design Blueprint

- ① Power LED
- ② Network/LINK LED
- ③ GPS LED
- ④ Record LED
- ⑤ Microphone
- ⑥ IR LED
- ⑦ Cabin Camera
- ⑧ SIM Card Slot
- ⑨ TF Card Slot
- ⑩ USB Connector
- ⑪ Front Camera



Explanation of LED Indicators

Power LED

- **Always ON:** DC is powered on and receiving stable power
- **Flashing:** DC is starting up, or power may be unstable
- **OFF:** DC is off or not receiving power

Network / LINK LED

- **Always ON:** DC is connected to the TruckX platform
- **Flashing:** DC is connecting to the network or platform
- **OFF:** DC is not connected to the network or server

GPS LED

- **Always ON:** GPS signal is valid, and tracking is active
- **Flashing:** DC is searching for the GPS signal
- **OFF:** GPS signal is unavailable or not detected

REC LED

- **Flashing:** DC is recording normally
- **Always ON:** Recording active. Verify if the video is not saving
- **OFF:** DC is not recording. Check TF / Micro SD card or storage status.



* DC - Dashcam

Packaging List

- Dashcam
- Power Box
- Extension Cable
- Bracket
- 3M adhesive pad
- Screwdriver
- Long screw
- Short screw
- Panic Button / SOS button
- Optional external cameras, DMS camera, OBD cable, side-camera cables, or other accessories as ordered



Product Installation Notes

- Confirm vehicle power type before installation. The device supports 8-36V operational voltage. 12V/24V input is recommended.
- Power can be connected by OBD cable or by a direct VCC/ACC/GND cable according to the installation kit.
- Install the dashcam near the middle of the windshield and do not block the driver's view.
- After installation, remove protective film from the camera lens for the best image quality.
- If ADAS is activated, do not fully tighten the bracket until camera angle and calibration are completed.
- Consult TruckX Support for vehicle-specific installation questions.



Product Specifications

- **Camera Channels:** Supports up to 4 Channels
- **Built-in Cameras:** Front + Cabin Camera
- **Expansion:** Supports up to 2 External Cameras
- **Built-in Camera:** Front + Cabin Camera
- **Expansion:** Supports up to 3 External Cameras
- **AI Features:** Optional DMS and ADAS support
- **Mobile Network:** 4G LTE
- **Wireless Network:** Wi-Fi
- **Size:** 119 × 68 × 77.3 mm
- **Weight:** 323g

- **Video:** Wide-Angle FHD Recording & Streaming
- **Positioning:** GPS + BDS
- **Audio:** Built-in Microphone and Speaker
- **SOS Trigger:** Supports external panic / SOS button
- **Power Options:** OBD or VCC, ACC, and GND wiring
- **Storage:** 8GB Built-in + Dual TF / Micro SD Cards

Product Wiring Explanation

The dashcam can be powered using the approved OBD cable or the direct power cable, depending on the installation kit. Before installation, confirm the vehicle's power type and use only TruckX-approved wiring accessories.

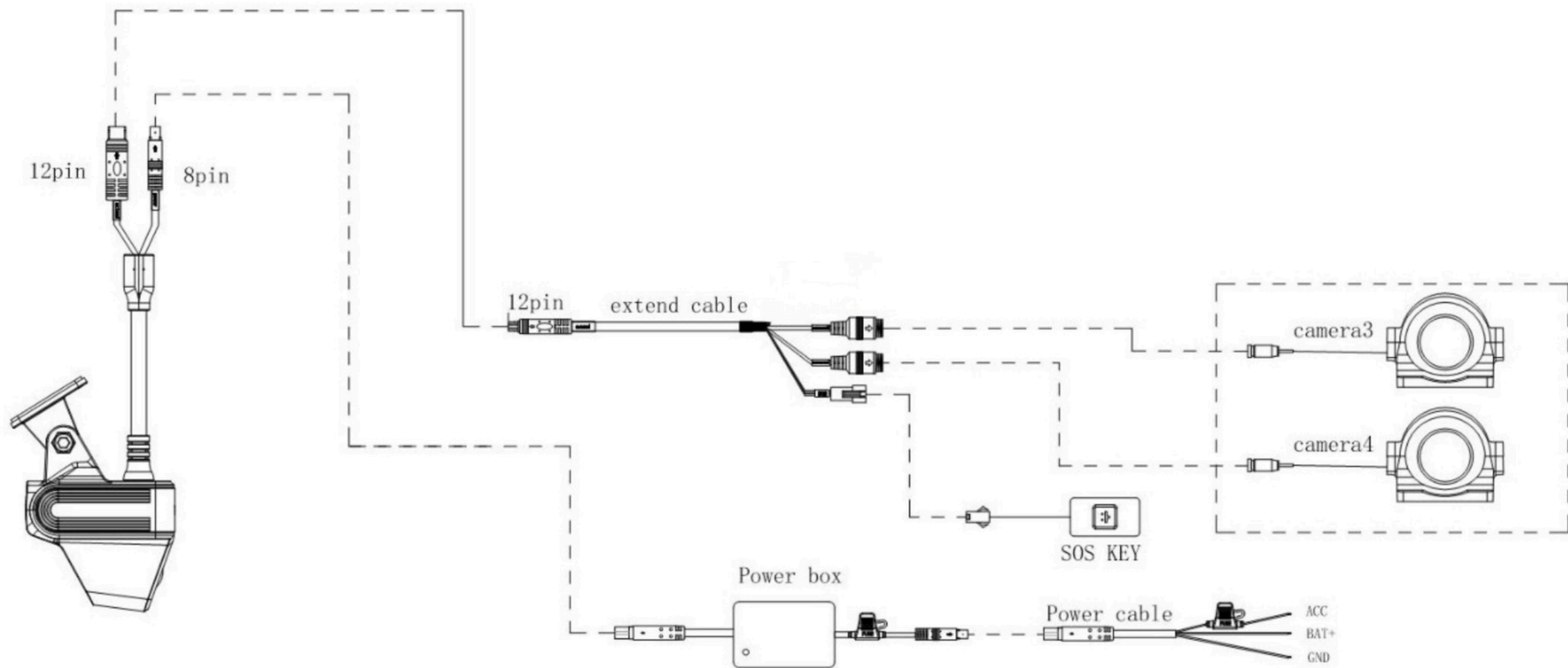
OBD Power Connection

- Connect the OBD cable to the vehicle's OBD port.
- Route the cable neatly along the vehicle trim.
- Make sure the cable does not block the driver's view or interfere with pedals, airbags, or moving parts.

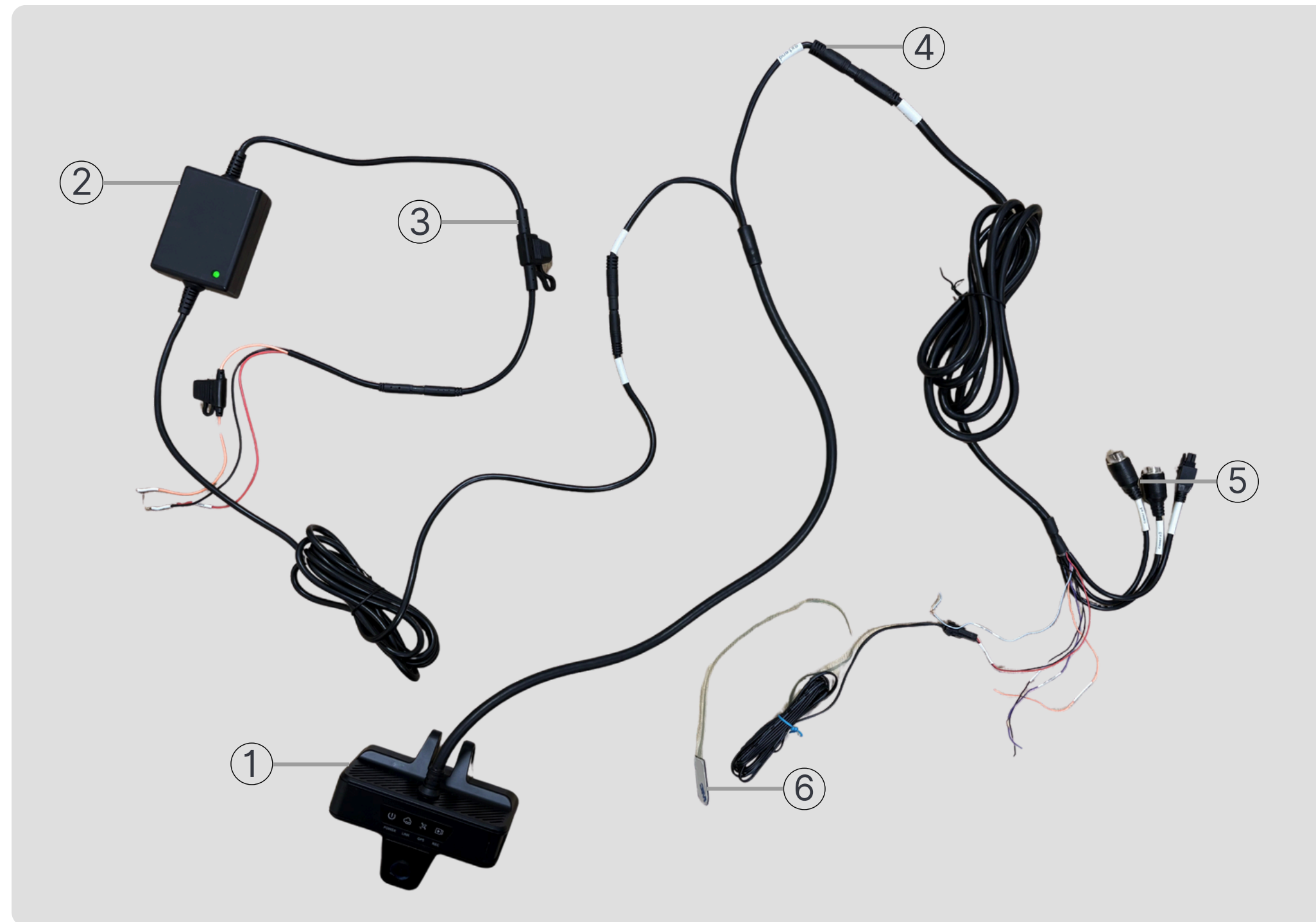
Direct Power Connection

- Use the VCC, ACC, and GND wires for direct power connection.
- VCC: Connect to constant power.
- ACC: Connect to ignition power.
- GND: Connect to vehicle ground.
- Ensure all connections are secure before powering on the dashcam.
- After wiring is complete, turn on the vehicle and verify that the dashcam powers on correctly.
- Check the Power LED, Network/LINK LED, GPS LED, and REC LED to confirm normal operation.

Product Wiring Diagram



Setup Preview



① Dashcam Base Unit

② Power Box

③ Power Cable

④ Extended Cable

⑤ Other Side Cameras

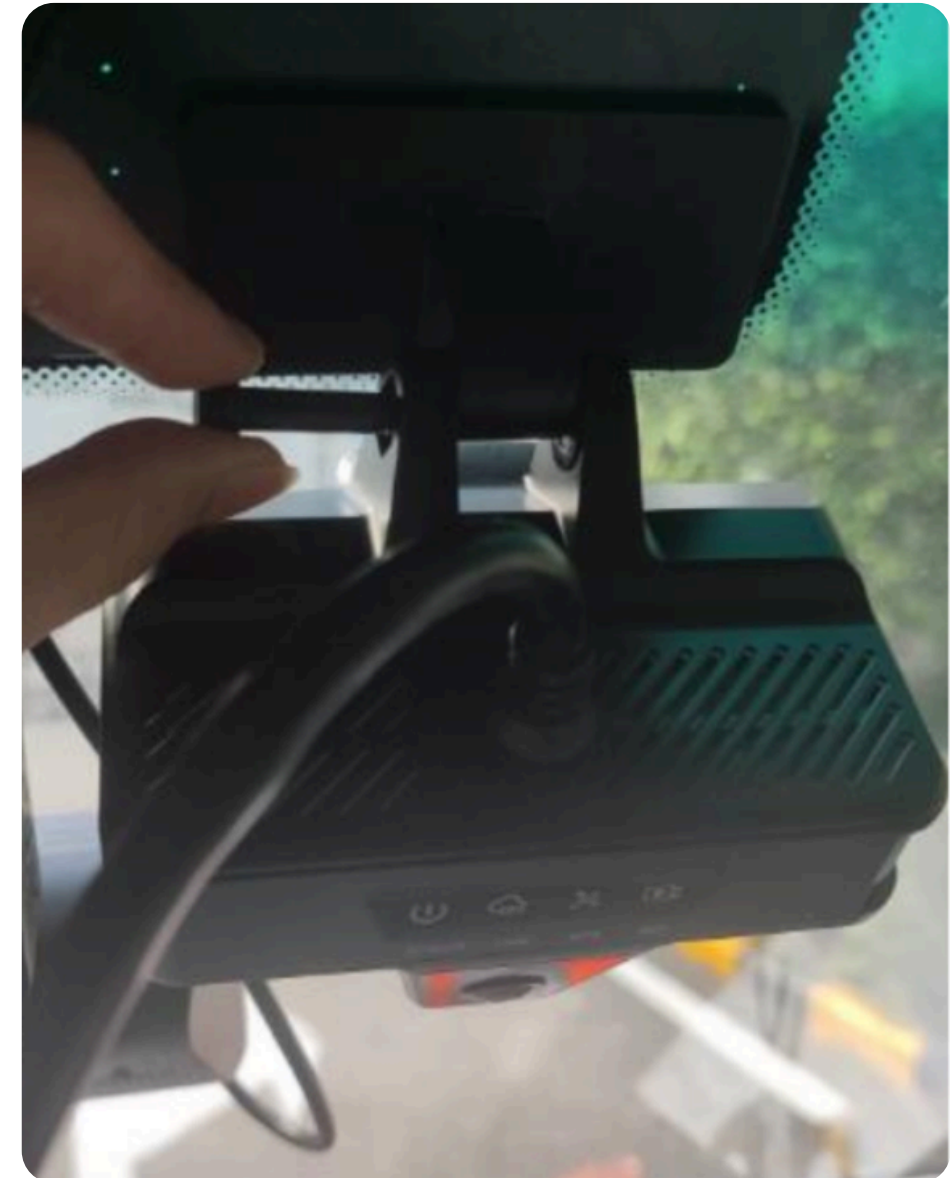
⑥ SOS button

Installation (1)

The dashcam host should be installed at the top-center area of the vehicle windshield. Arrange wiring along the A-pillar and secure the power cable before final camera alignment.

- **Step 1:** Insert the SIM card and TF / Micro SD card. Secure the card slot cover with the short screw.
- **Step 2:** Clean the inside area of the front windshield where the dashcam will be mounted.
- **Step 3:** Peel off the 3M adhesive film and attach the windshield bracket near the top-center of the windshield.
- **Step 4:** Install the dashcam onto the bracket and insert the long screw. Keep it slightly loose for angle adjustment.

Note: Make sure the dashcam does not block the driver's view.



Installation (2)

- **Step 5** : Connect the dashcam to power using either OBD or VCC, ACC, and GND wiring.
- **Step 6** : Power on the dashcam and connect to its Wi-Fi using the TruckX app.
- **Step 7** : Check the live camera view and adjust the dashcam angle as needed.
- **Step 8** : If ADAS is enabled, complete ADAS calibration before tightening the long screw fully.
- **Step 9** : Install external cameras and the SOS button if required, then check all connections.

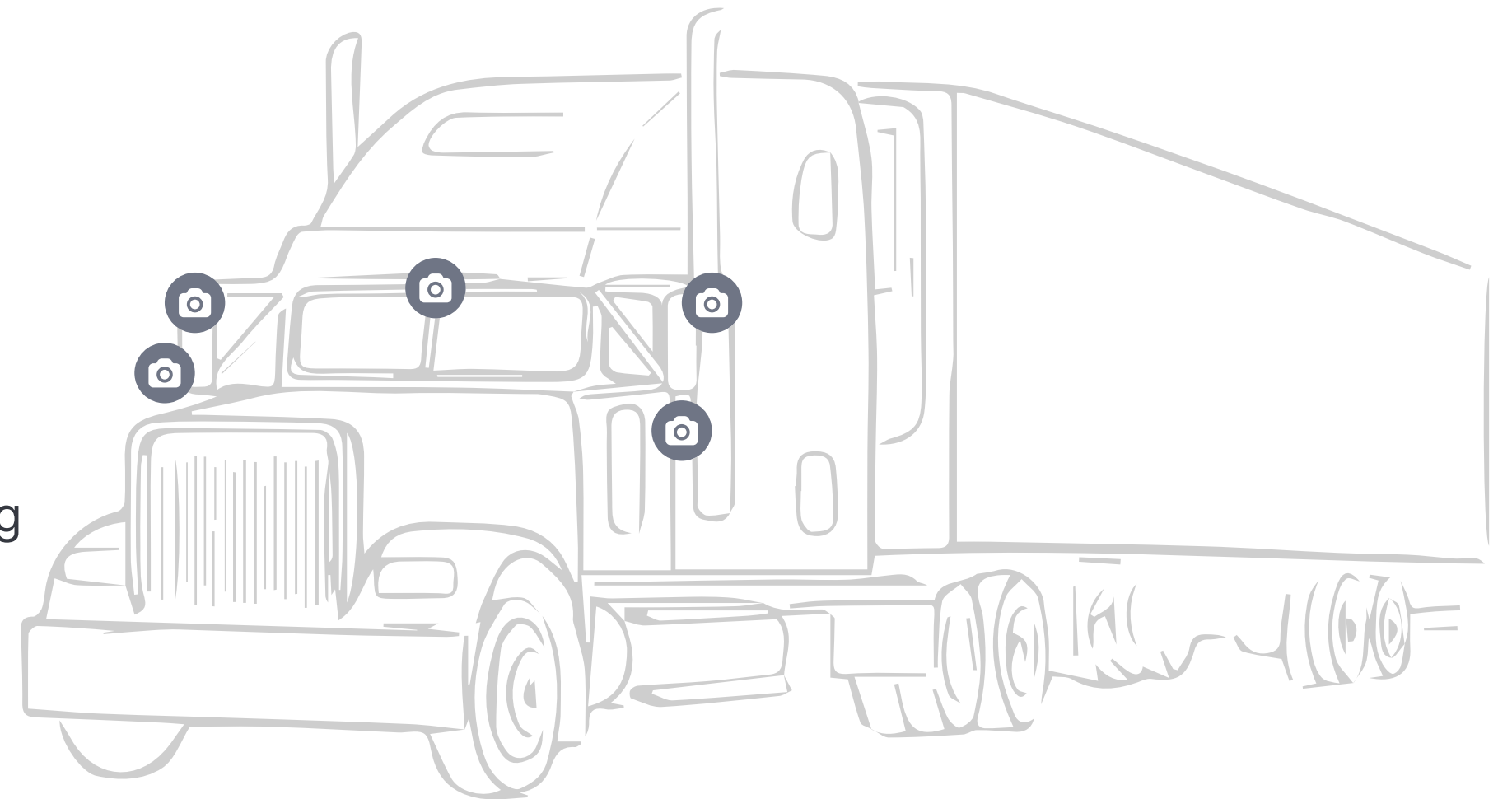


Note: After installation, confirm Power, Network, GPS, and REC LED status.

Side-Camera Installation

The TruckX 4-Channel AI Dashcam Pro supports additional camera channels. External cameras may be installed according to the vehicle application, such as side, rear, top, or driver-monitoring views.

- External DMS camera may be connected through the extension cable when project requirements include DMS.
- Install the DMS camera 60-120 cm in front of the driver with a clear view of the face.
- Adjust left/right and up/down angle so the driver's face is centered in the camera view.
- If the steering wheel blocks the view, raise the camera or move it slightly to the side while keeping it aimed at the driver.



Check Connection

Power Check : Turn the vehicle ignition to ACC ON. The Power LED should turn solid ON. If it does not, check the OBD connection or VCC, ACC, and GND wiring.

Network Check : The Network / LINK LED should turn solid ON once the dashcam connects to the TruckX platform. If it keeps flashing or stays OFF, check the SIM card, APN settings, and mobile network coverage.

GPS Check : The GPS LED should turn solid ON after the dashcam finds a valid GPS signal. If it keeps flashing, move the vehicle to an open area and wait for signal lock.

Recording Check : The REC LED should flash during normal recording. If it is OFF, check the TF / Micro SD card, storage status, and camera configuration.

Camera View Check : Log in to the TruckX Fleet Management Portal and confirm that the live video is displayed clearly. Adjust the camera angle if needed.



Adding a Dashcam to the FMS

- ① Begin by logging into the Fleet Management System (FMS) for seamless access.
- ② Navigate to the “**Devices**” section.
- ③ Within the “**Devices**” section, select “**Dashcam Devices.**”
- ④ Click the “**Add Device**” button.
- ⑤ In the pop-up window, enter the following details:
 - a. Device Name
 - b. Device Type
 - c. Device ID (IMEI)
 - d. Assign to (Truck or Trailer)
- ⑥ Click “**Confirm**”
- ⑦ The dashcam has now been successfully added to the account.

Now, we need to install the dashcam physically in the truck. You can check our installation video if necessary. [Click here](#)

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

