



/-PRO

Premium Dash Cam

RAV4 Vehicle-Specific Edition

**For 2019–2024 RAV4 & 2022 Prime Models
(Without Vents)**

4K Ultra HD | Optional GPS | Seamless OEM Integration

User Manual

Version 1.0 | 2026

Scan for Multi-Language Manuals

- This printed manual provides basic guidance only, For comprehensive instructions, please refer to our online manual page.

Deutsch: Für Anleitungen in weiteren Sprachen QR-Code scannen.

Français: Scannez le QR code pour consulter d'autres langues.

Español: Escanee el código QR para ver más idiomas.

Italiano: Scansiona il QR code per altre lingue.

Português: Digitalize o QR code para mais idiomas.

Dansk: Scan QR-koden for flere sprog.

日本語: QRコードをスキャンして他の言語のマニュアルを表示。

한국어: QR 코드를 스캔하여 더 많은 언어로 확인하세요.



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Welcome to the AKEEYO X-PRO

Thank you for choosing the AKEEYO X-PRO Vehicle-Specific Dash Cam for RAV4. This product delivers 4K Ultra HD recording, advanced safety features, and a range of optional accessories to help you capture every drive with confidence.

Please read this manual carefully before use to ensure proper operation and optimal performance. We recommend keeping this manual for future reference.

Important Safety Information

• Installation & Power

This product is designed for plug-and-play, vehicle-specific installation — no wire routing or hard – wiring required. Make sure the vehicle is switched off and the engine is not running during installation. Improper connections may cause faults in the vehicle's electrical system.

• Continuous Monitoring

The dash cam powers on automatically when the vehicle starts and records continuously while in operation. Check the device status periodically to confirm normal operation and adequate storage capacity.

• Disclaimer

AKEEYO assumes no liability for any traffic accidents, incidents, or losses. This device is intended as a recording aid only and is not a substitute for safe driving practices. The admissibility of recorded footage as legal evidence cannot be guaranteed.

• Memory Card Maintenance

Format the memory card every 2 – 3 months to maintain optimal performance and stability. Memory cards have a limited service life. If recording fails or becomes unreliable, replace the card with a compatible UHS-II U3 card.

• Local Regulations

Use this product only in accordance with the laws of your jurisdiction. Some regions impose specific legal requirements on the use of dash cams and video recording. Familiarize yourself with — and comply with — all applicable local regulations.

Memory Card Specifications & Recommendations

Recommended brands:
SanDisk, Lexar, or
genuine AKEEYO cards

Type:
UHS-II U3 V30

Write speed:
90 MB/s minimum
for 4K recording

Capacity:
256 GB provides
approximately 24
hours of recording

02 What's in the Box

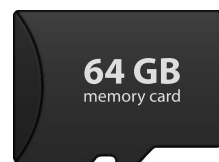
Your AKEEYO X-Pro package includes:



Front Camera
Unit × 1



Power Cable
(12V Connector) × 1



MicroSD Card
(64 GB) × 1



USB Card Reader × 1



User Manual × 1



Plastic Pry Tool × 1

Note: The following optional accessories are sold separately:



GPS Module

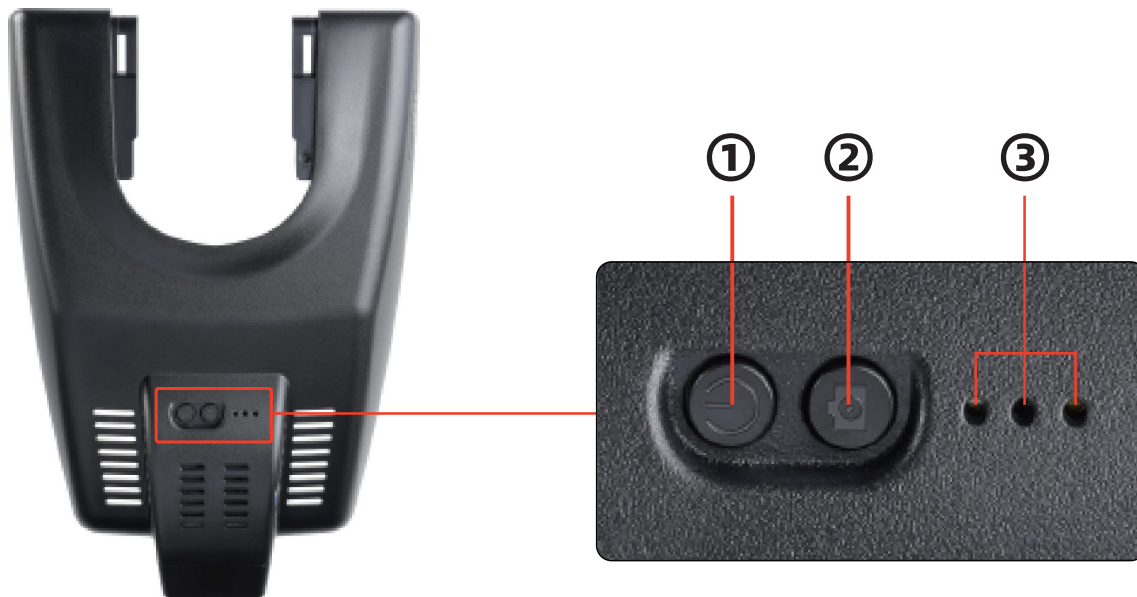


OBD Power Cable
(for Parking Mode)



Hardwire Kit
(for Parking Mode)

03 Product Overview



Button & Indicator Guide

① Power Button:

- X-PRO automatically powers on when the car starts. Manual pressing is not required.
- Long press for 3 seconds to turn the device on or off.

② Camera Button:

- While recording, short press to take a photo.
- Long press for 5 seconds to reset the dashcam.



Caution: Before using the format function, remove the memory card to prevent all recorded videos from being erased.

③ LED Indicators:

Red LED (Recording Indicator):

- Slow blink: Device is recording (or time-lapse recording in parking mode).
- Steady on: Recording paused (or no SD card).
- Fast blink: Emergency recording (or collision detected in parking mode).

Blue LED (WiFi Indicator):

- Blinking: WiFi connected to phone or other device.

Purple LED (OTA/Firmware Indicator):

- Fast blink: OTA update or firmware upgrade in progress.

03 Product Overview



SD Card Slot



Insert SD Card



Press to Eject

The AKEEYO X-PRO features a push - to - release MicroSD card slot for quick and easy installation.

Step-by-Step Installation

1. Make sure the device is powered off.
2. Hold the MicroSD card with the gold contacts facing outward.
3. Gently insert the card into the slot until you hear a light click — this indicates that the card is properly seated.

Safe Removal

1. Power off the device and wait until the LED indicator is fully off.
2. Gently press the SD card inward until you hear a click, then remove it.

Important Reminders

- ⚠ Do not forcibly remove the SD card while recording is in progress — this may result in data corruption.
- ⚠ Use only genuine AKEEYO MicroSD cards or compatible UHS - II U3 cards.
- ⚠ Before installation, check that the gold contacts are clean.
- ⚠ When using a new card for the first time, format it by pressing and holding the Camera button for 10 seconds.

04 Installation Guide (RAV4-Specific)

Vehicle-Specific Fit for RAV4 — No Wire Routing Required

The AKEEYO X-PRO is purpose - built for the RAV4, using a factory - fit integration approach. There's no need for complex wire routing or vehicle modification — simply remove the factory rearview mirror mount cover and install the X-PRO directly for a seamless fit.

Pre-Installation Checklist

- Vehicle is parked with the engine switched off
- All vehicle electrical systems are disconnected
- All hardware and cables are accounted for
- Workspace and installation area are clean and dry

Step-by-Step Installation Guide

Step 1: Remove the Factory Rearview Mirror Mount Cover

Using the plastic pry tool, gently lift the edge of the rearview mirror mount cover. Slowly pull downward until the clips on both sides release. Remove the original rearview mirror adapter housing and store it safely (in case you need to restore the factory configuration).



Step 2: Install the X-PRO

Disconnect the factory cable connector. Connect one end of the X-PRO's Y - shaped power cable to the factory wiring harness, and the other end to the connector on the original mirror mount. Align the X-PRO with the clip positions on the factory mount. Gently push it in until the clips on both sides lock fully into place — you should hear a click on each side. Make sure the bracket sits flush against the factory housing with no play.



04 Installation Guide (RAV4-Specific)

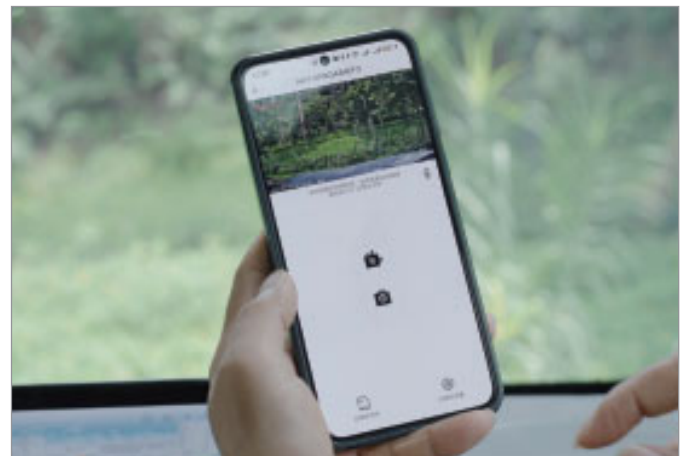
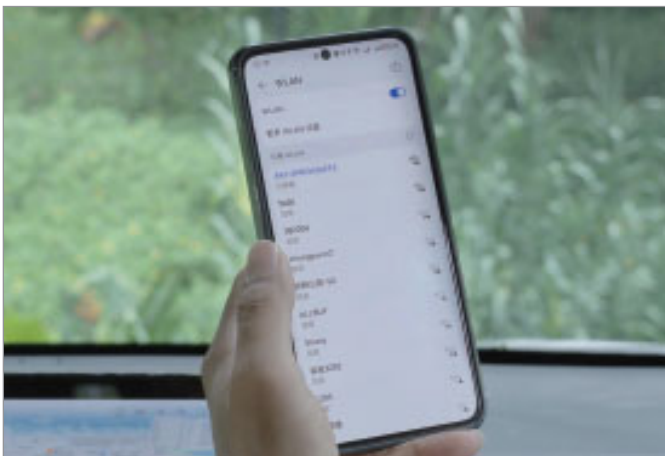
Step 3: Check or Insert the Memory Card

Insert the MicroSD card with the gold contacts facing outward, gently push it in until you hear a "click." Start the car to power on the camera.



Step 4: Wi-Fi Connection Test

Start the vehicle to allow the camera to power on automatically. On your phone, open the Wi-Fi settings and look for the network "AKEEYO-XXXX". Enter the default password 12345678 to connect. Open the AKEEYO app and confirm the device is connected. Check the live preview to verify the camera angle is correctly positioned.



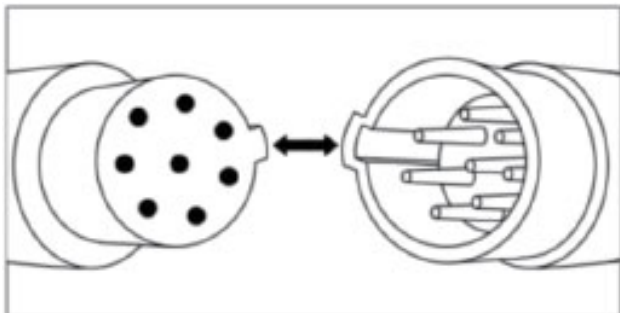
Important Cautions



⚠ Caution

Do not use the rearview mirror as a lever when removing the original plastic housing. Applying force through the mirror may damage the windshield.

04 Installation Guide (RAV4-Specific)



⚠ Caution

When connecting the power cable, align the locating pin carefully and insert the connector fully. Connecting to the wrong pin may cause a short circuit. Make sure the locating pin is correctly identified before connecting.

Optional: Parking Mode

To enable Parking Mode, you'll need to purchase either the optional OBD Power Cable or Hardwire Kit (sold separately). Both cables activate Parking Mode.

1. ACC Constant Power Cable Installation

The fuse box cable can activate parking mode. This means that when the car is parked and a collision occurs, the dashcam will automatically record 1 minute of video and lock the footage. This is an optional cable; the X-PRO default accessories do not include the ACC constant power cable. It enables the parking mode function. You can scan the QR code on the right for detailed installation instructions.



2. OBD Cable Installation

This is an optional cable; the dashcam default accessories do not include the OBD cable. It also enables the parking mode function. You can scan the QR code on the right for detailed installation instructions.



Vehicle Power

- Keep the vehicle completely OFF during installation. Do not start the engine or switch on power, as this may trigger fault codes on the dashboard.

Fault Codes

- If a fault code appears, restore the original factory connector, turn off the vehicle, and wait 10 minutes before reinstalling.

Installation Support

- Installation videos may not cover every vehicle model. If you encounter any issues during installation, do not rush to return the product. Contact our support team first — most issues can be resolved with guidance.

05 Wi-Fi Connection & App

Important Cautions

Search for "AKEEYO" in the Apple App Store or Google Play Store to download the official app. Alternatively, scan the QR code in this manual or on the device for a direct download link. The app supports iOS 12.0+ and Android 8.0+.



Wi-Fi Connection Steps

1. Start the RAV4. The AKEEYO camera will power on automatically, and the blue LED will flash to indicate normal operation.
2. On your smartphone, go to Settings > Wi-Fi.
3. Look for a network named "AKEEYO-XXXX" (where X represents random characters).
4. Connect using the default Wi-Fi password: 12345678
5. Open the AKEEYO app, select your device, and start viewing the live feed.

Troubleshooting Connection Issues

1. If your phone is connected to CarPlay or Android Auto: Turn off Bluetooth before connecting to the dash cam's Wi-Fi. Bluetooth will repeatedly redirect your phone to CarPlay or Android Auto, preventing a successful connection to the dash cam.
2. If a VPN is active on your phone: Disable the VPN before connecting to the dash cam.
3. For iPhone users: Make sure the AKEEYO app has the necessary local network permissions enabled.
4. For Android users: If you see a prompt such as "This Wi-Fi has no internet connection. Stay connected?" after connecting to the dash cam, select "Keep connected".
5. If the connection still fails: Forget the dash cam's Wi-Fi network on your phone, then re-enter the password and connect again.
6. Reset the dash cam: Press and hold the Camera button for 5 seconds to reset the dash cam, then reconnect.
7. Check the memory card: A faulty memory card can interfere with Wi-Fi performance. Try removing the memory card and reconnecting Wi-Fi.

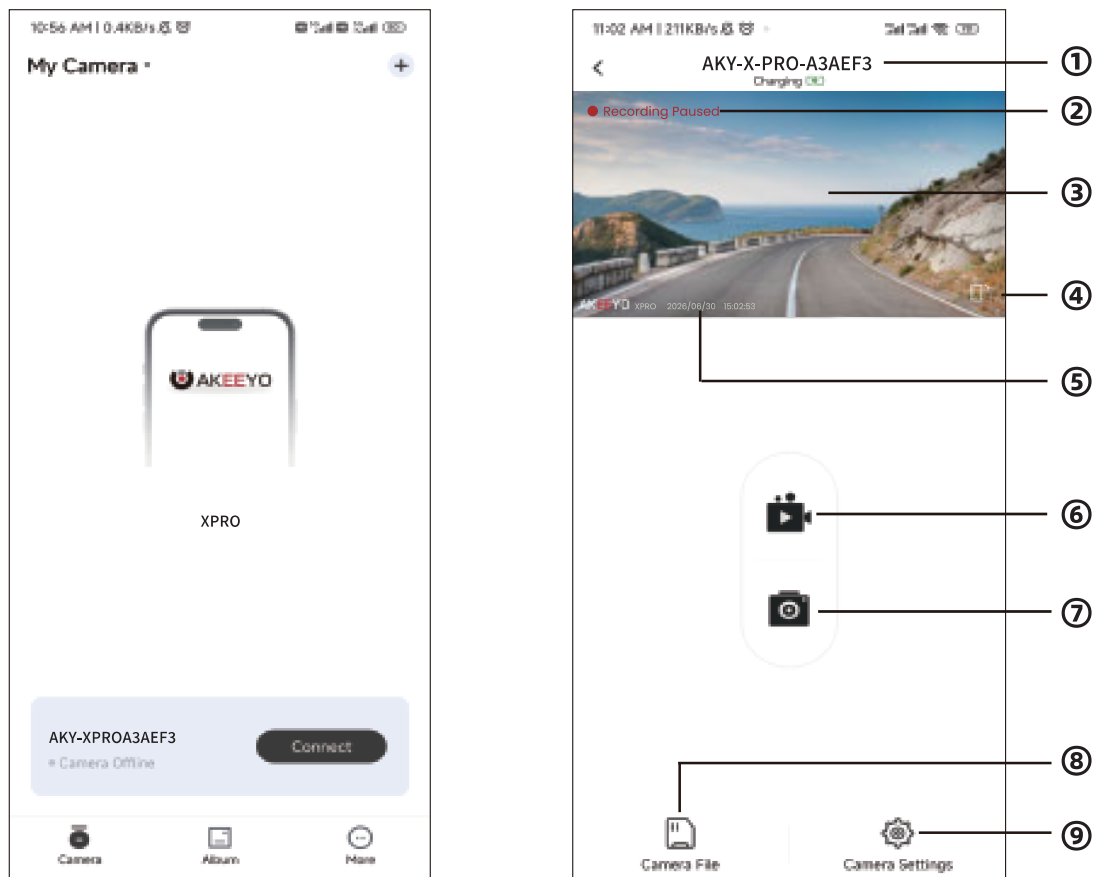


If none of the above resolves the issue, please contact us at help@akeeyo.com for support. (Please include your order number in the subject line of your email.)

05 Wi-Fi Connection & App

App Home Screen Overview

(The following is a representative layout — the actual interface may vary depending on the latest app version.)



App Main Screen Display:

- ① Device — Paired AKEEYO device ID.
- ② Recording Status — Slow blink or stop indicates recording state.
- ③ Live Preview Window — Current camera recording view.
- ④ Screen Rotation — View recording in full screen.
- ⑤ Recording Time — Displays date and time of recording.
- ⑥ Recording Control — Start or pause recording.
- ⑦ Photo Capture — Tap to take a still photo.
- ⑧ Gallery & Video Library — View downloaded video files.
- ⑨ Settings Options — Video quality, sensitivity, etc.

06 Specification

Specification	
Model	X-PRO
Power Input	9-16V DC
Recording Resolution	4K 30fps / 2K / 1080P
Sensor	Sony STARVIS 2 IMX678
Wide Angle	107° (89° H, 46° V)
Aperture	F1.08
WiFi	2.4G/5G Dual-Band
GPS	Optional
Operating Temp	-20°C ~ +70°C
G-Sensor	Support (3-level)
HDR	Support
Unit Weight	300g
Loop Recording	1 min/3 min/5 min/10 min/Close

07 GPS Module (Optional)

Why Choose the GPS Module

The GPS module adds powerful location tracking and data logging capabilities to your AKEEYO X-PRO. Whether for insurance claims, legal documentation, or trip management, GPS data provides valuable supplementary information.

The AKEEYO GPS module supports multi-constellation positioning (GPS / GLONASS / BeiDou) with positioning accuracy of approximately 5 meters — a high - accuracy GPS solution for vehicle dash cams. (Specifications to be finalized.)



Key GPS Features

- **Real-Time Location Tracking** Vehicle coordinates are automatically embedded in your recordings, precisely mapping every drive. This can help substantiate your location when filing insurance claims.
- **Speed Data Logging** Real - time driving speed is displayed in the video timestamp, providing objective data for incident analysis and documentation.
- **GPS Time Synchronization** Video timestamps are automatically synchronized with GPS satellite time, ensuring accurate time records that can support insurance and legal documentation.
- **Trip Playback & Statistics** Review your routes within the mobile app, with statistics for speed, distance, and duration. Useful for tracking driving behavior or managing a fleet.
- **Incident Location Logging** In the event of an incident, GPS coordinates pinpoint the exact location — providing objective data for insurance claims and law enforcement reporting.

07 GPS Module (Optional)

GPS Installation

The GPS module connects easily, with no additional wiring required.

1. Plug the GPS module into the dedicated port on the back of the AKEEYO camera (marked "GPS").
2. Mount the GPS antenna on the dashboard near the windshield using the supplied adhesive pad, for optimal satellite signal reception.
3. Make sure the antenna has a clear view of the sky.



**GPS Installation
QR Code**



Activating GPS

Once the GPS module is connected, GPS positioning is automatically activated each time the device powers on. The first time, satellite acquisition typically takes 30–60 seconds (known as a "cold start"). A flashing green LED indicates that GPS is acquiring a signal; a solid green LED indicates that a fix has been established.

Acquisition is fastest in open areas (such as highways) and may take longer in urban environments or underground parking facilities.

Learn More & Order the GPS Module

The AKEEYO GPS module is designed specifically for the X-PRO — unlocking smarter, data-rich driving insights.

Scan the QR code on the right to learn more or purchase.
Or visit: <https://www.akeeyo.com>

Upgrade your dash cam today and enjoy the full benefits of GPS-enabled location and speed data.



**GPS Module
Purchase QR Code**

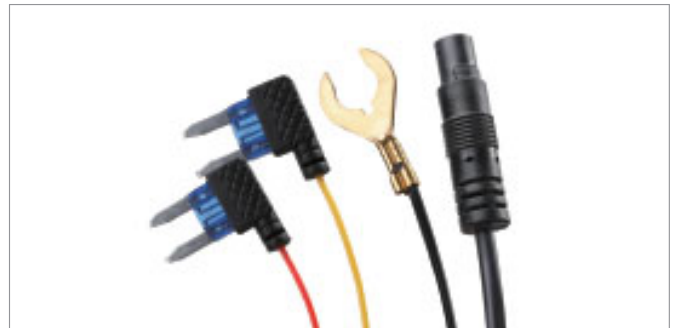
08 Parking Mode (Optional)



To enable Parking Mode, you'll need to purchase either the optional OBD Power Cable or Hardwire Kit (sold separately). Both cables activate Parking Mode.



OBD Power Cable



Hardwire Kit

1. Installation Precautions

Do not switch on the vehicle's power or start the engine during installation, as doing so may trigger fault codes on the dashboard. Keep the vehicle in the OFF state throughout the installation process. If a fault code appears on the dashboard, restore the original factory connector, turn off the vehicle, and lock it for 10 minutes before reinstalling.

2. Detailed Instructions & Installation Videos

Scan the QR code on the cover of this manual to access the full user guide, which includes installation videos. If you need assistance, please contact us at help@akeeyo.com. When emailing, please include your order number in the subject line.

3. Installation Support

Installation videos may not be available for every vehicle model. If you encounter any issues during installation, please don't rush to return the product – contact us first, and we'll do our best to help. The vast majority of issues can be resolved with our support.

09 Troubleshooting & FAQ

Frequently Asked Questions

Q: Video quality is poor or the image appears dark.

- A:
1. Clean the windshield and camera lens with a soft cloth.
 2. Adjust the exposure compensation in the app settings.
 3. Enable Night Mode in low - light conditions.
 4. Check whether your windshield has heat - rejection film or a reflective coating.
 5. Make sure the camera is properly aligned and pointed forward.

Q: The SD card is not recognized.

- A:
1. Use only UHS-II U3 V30 (or higher) rated cards.
 2. Check that the card is fully inserted (you should hear a click).
 3. Try a different card that is known to work to isolate the issue.
 4. Format the card in the camera by pressing and holding the Camera button for 10 seconds.
 5. If the issue persists, replace the SD card.

Q: GPS is not working.

- A:
1. Make sure the GPS module is properly connected to the rear port.
 2. Reposition the antenna to ensure a clear view of the sky.
 3. Allow up to 60 seconds for the first fix (cold start).
 4. Check that GPS is enabled in the app settings.
 5. Acquisition is faster in open areas (such as highways).

Q: How long can the device record?

- A:
- 256 GB card stores approximately 24 hours of 4K video at 30 fps. The actual duration depends on resolution and frame rate. With loop recording enabled, the oldest footage is automatically overwritten when the card is full. We recommend formatting the card every 2–3 months.

Q: The Wi-Fi connection drops frequently.

- A:
1. Move your phone closer to the camera.
 2. Restart both the camera and your phone.
 3. Disable CarPlay / Android Auto and Bluetooth before connecting.
 4. Update the AKEEYO app to the latest version.
 5. Check the Wi-Fi signal strength (shown in the signal bar).

Q: Parking Mode is not working.

- A:
1. Make sure the power cable (OBD or hardwire) is connected correctly.
 2. Check the Parking Mode sensitivity setting.
 3. Ensure the vehicle's power supply is stable and reliable.
 4. After switching off the ignition, allow about 10 seconds for the system to enter Parking Mode.
 5. Check that there is enough free space on the memory card.

Q: Recording stops unexpectedly.

- A:
1. The memory card may be full or faulty.
 2. Format the card and test by recording a new 1 GB file.
 3. Use a recommended UHS-II U3 card with a minimum write speed of 90 MB/s.
 4. Test the card's health using a computer -based diagnostic tool.
 5. Check that the vehicle's power supply is stable.

Q: The camera won't turn on.

- A:
1. Make sure the ignition is in the ON position.
 2. Check whether the LED indicator is lit.
 3. Try unplugging and reconnecting the power cable.

12-Month Limited Warranty

The AKEEYO X-PRO is covered by a 12-month limited warranty from the date of purchase, against defects in materials and workmanship.

Items Covered Under Warranty: Main unit | Power cable | Mount | Installation hardware | Optional GPS module (if purchased together with the main unit)

Items Not Covered

- Damage caused by accidents, collisions, or impact
- Water damage or damage from environmental exposure (liquid spills, etc.)
- Misuse, abuse, or unauthorized modifications
- MicroSD card wear (consumable item)
- Any liability for video content, traffic incidents, or legal matters

Technical Support

Email: support@akeeyo.com

Website: <https://www.akeeyo.com/> Response

Time: Within 24 hours on business days

When Contacting Support, Please Have the Following Ready:

- ✓ Your order number
- ✓ The product serial number (located on the back of the device)
- ✓ Date of purchase
- ✓ A detailed description of the issue, including any error messages

Software Updates

AKEEYO releases over-the-air (OTA) updates for both the app and the device firmware, delivering the latest features and performance improvements. Firmware updates can be installed through the app once your phone is connected to the dash cam via Wi-Fi.

**AKEEYO X-PRO | RAV4 Vehicle-Specific Edition |
For 2019-2024 RAV4 & 2022 Prime Models (Without Vents)**

Premium Dash Cam Technology — Protecting Every Drive

FCC Warning:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.