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## BlackVue DR970X-2CH Plus II

# BlackVue DR970X-2CH Plus II Dash Cam User Manual

Model: DR970X-2CH Plus II | Brand: BlackVue

## 1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your BlackVue DR970X-2CH Plus II Dash Cam. This advanced dual-channel dash cam offers 4K UHD recording for the front camera and Full HD for the rear, featuring STARVIS 2 and HDR technology for superior video clarity in various lighting conditions. It includes Wi-Fi connectivity for easy video playback and Cloud access for remote monitoring.



**Image 1.1:** The BlackVue DR970X-2CH Plus II Dash Cam system, showing the front camera, rear camera, a BlackVue microSD card, and a smartphone screen displaying the dash cam's 4K recording capabilities and app interface.

## 2. PRODUCT OVERVIEW

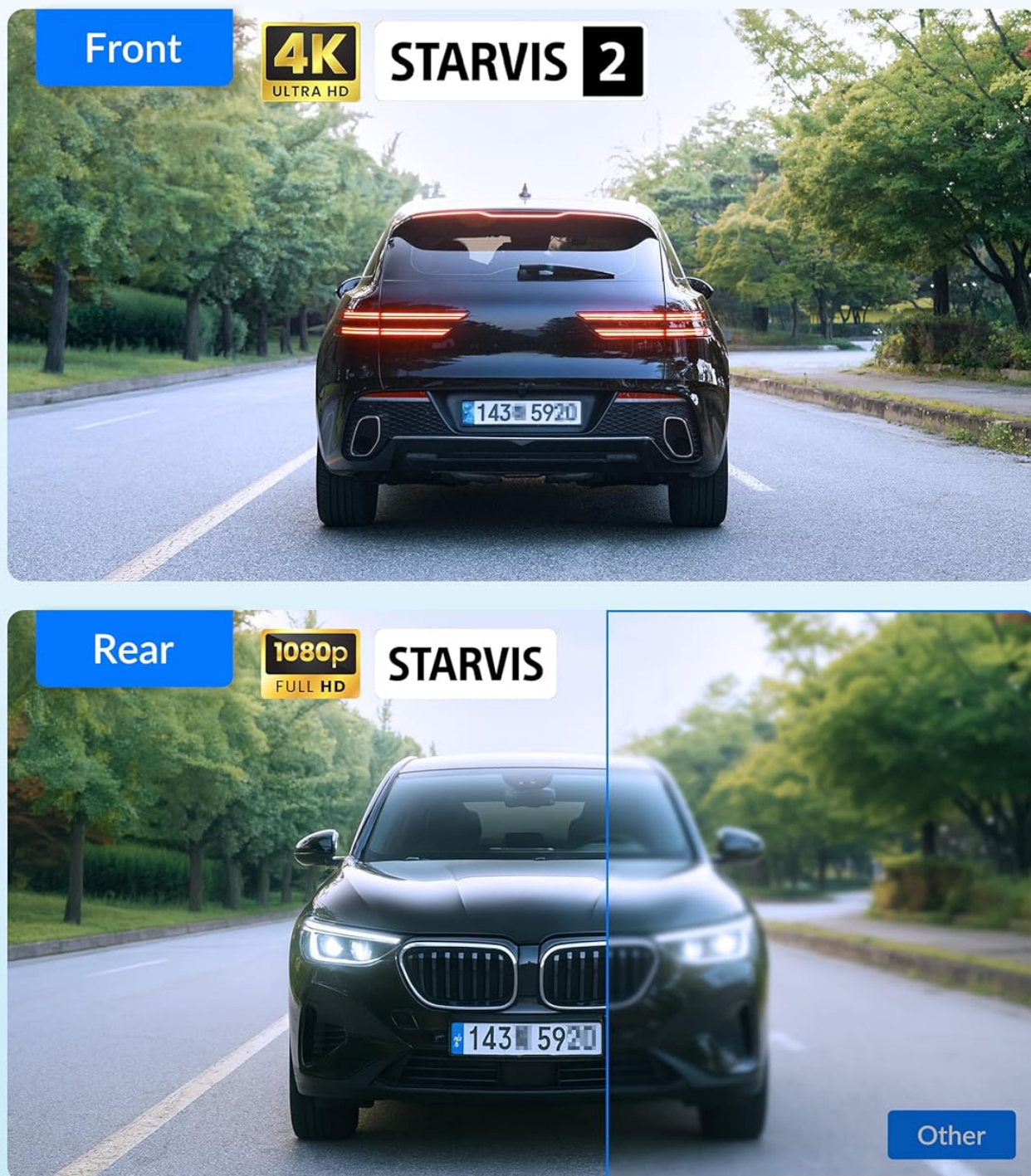
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### 2.1 Key Features

- **Ultimate 4K UHD & HDR Recording:** Front camera captures in 4K UHD, rear in Full HD, with STARVIS 2 sensor and HDR for enhanced clarity in diverse lighting.
- **Advanced Visual Clarity:** New ISP and STARVIS 2 sensor ensure rich, noise-free video, capturing details like license plates. Utilizes HEVC H.265 and AVC H.264 encoding.
- **Effortless Wi-Fi & Cloud Playback:** Fast Wi-Fi for instant viewing/downloading to phone. Optional CM100G LTE module (sold separately) enables BlackVue Cloud features like Live View, Remote Playback, and Push Notifications.
- **Fast Boot & USB-C Installation:** Quick startup for immediate recording. USB-C cable provides secure power and a clean installation.
- **Large Storage Capacity:** Supports BlackVue microSD cards up to 1TB (sold separately) for extended 4K recording and Parking Mode.
- **Smart Event Detection:** G-Sensor detects impacts, saving footage with 10s pre-buffering, protecting up to 50 files.

- **24/7 Smart Parking Surveillance:** Records motion and impacts while parked, using Time Lapse for continuous coverage (requires hardwire cable).

# OUTSTANDING 4K CLARITY



**Image 2.1:** Demonstrates the outstanding 4K clarity of the front camera with STARVIS 2 and the Full HD clarity of the rear camera, highlighting the visual quality difference compared to other dash cams.



# SUPER NIGHT VISION

Experience brilliant night vision performance for safer driving



Front : F1.7 aperture  
Rear : F2.0 aperture



Front : 142°  
Rear : 131°

**Image 2.2:** Illustrates the dash cam's super night vision performance, capturing clear footage in low-light conditions, with details on front (F1.7 aperture, 142° view) and rear (F2.0 aperture, 131° view) camera specifications.

## 2.2 Components

- Front Dash Cam Unit
- Rear Dash Cam Unit
- USB-C Power Cable

- Rear Camera Connection Cable
- MicroSD Card (capacity varies by package)
- Car Mounts (for front and rear cameras)
- Cable Clips
- Pry Tool
- User Manual (this document)

## 3. SETUP AND INSTALLATION

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### 3.1 Initial Setup

1. **Insert MicroSD Card:** Ensure the BlackVue microSD card is inserted correctly into the front camera unit.
2. **Mount Front Camera:** Attach the front camera to the windshield, typically behind the rearview mirror, ensuring a clear view of the road. Use the provided adhesive mount.
3. **Connect Power:** Connect the USB-C power cable to the front camera and then to your vehicle's 12V power outlet (cigarette lighter socket) or a hardwiring kit (sold separately for Parking Mode).
4. **Mount Rear Camera:** Attach the rear camera to the rear windshield, ensuring a clear view.
5. **Connect Rear Camera:** Use the provided coaxial cable to connect the rear camera to the front camera. Route the cable neatly along the vehicle's interior trim.

# USB-C POWER CABLE KIT FOR EASY INSTALLATION

Set up fast with the included USB-C cable  
for a secure, clean, and seamless install.



**Image 3.1:** The USB-C power cable kit, designed for easy and secure installation of the dash cam in a vehicle, showing the car charger with USB-C port.

## Extended Storage, Maximum Peace of Mind

Supports up to 1TB microSD cards for longer recordings and high-resolution 4K footage  
- perfect for long drives and critical event capture.



**Image 3.2:** Illustration of the hassle-free installation process, showing the dash cam mounted on the windshield and connected via the USB-C power cable to a cigarette lighter adapter.

### 3.2 Hardwiring for Parking Mode

For continuous 24/7 Smart Parking Surveillance, a hardwiring kit (sold separately) is required. This connects the dash cam directly to your vehicle's fuse box, allowing it to operate even when the ignition is off. Refer to the hardwiring kit's specific instructions for detailed installation steps. Professional installation is recommended for hardwiring.

## 4. OPERATING INSTRUCTIONS

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### 4.1 Power On/Off

The dash cam powers on automatically when connected to a power source and the vehicle's ignition is turned on. It will begin recording shortly after booting up. To power off, disconnect the power cable from the dash cam or turn off the vehicle's ignition if not hardwired.

*Note: This model does not feature a dedicated physical power off button. Disconnecting the power source is the primary method for powering down.*

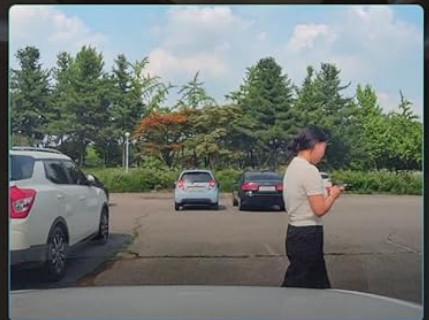
### 4.2 Recording Modes

- **Normal Recording:** Continuous recording while driving.
- **Event Recording:** Automatically triggered by impacts detected by the G-Sensor. Footage from 10 seconds before and after the event is saved.
- **Parking Mode:** Activated when the vehicle is parked and ignition is off (requires hardwiring). Records motion and impacts using time-lapse for efficient storage.



# SMART EVENT DETECTION WITH G-SENSOR & GPS

Detects impacts and saves key footage  
with **10s pre-buffering**, protects up to 50 files,  
and ensures **safe backup** with a Supercapacitor

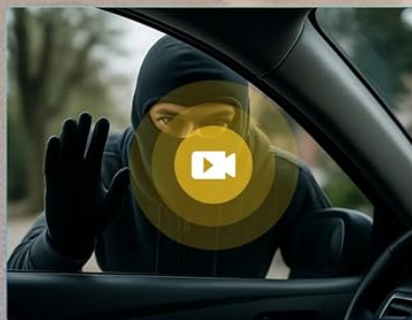


**Image 4.1:** Visual representation of Smart Event Detection, illustrating how the dash cam detects impacts and saves critical footage, with examples of recorded events.



# 24/7 SMART PARKING SURVEILLANCE

Records **motion and impacts** while parked, with **Time Lapse** for efficient, continuous coverage



Hardwire Cable Required

**Image 4.2:** An illustration of the 24/7 Smart Parking Surveillance feature, showing a car protected by the dash cam's ability to record motion and impacts while parked.

## 4.3 Wi-Fi and Cloud Connectivity

The BlackVue DR970X-2CH Plus II features built-in Wi-Fi for direct connection to your smartphone via the BlackVue App. This allows for:

- Live View of camera feeds.

- Playback and download of recorded videos.
- Configuration of dash cam settings.
- Firmware updates.

For BlackVue Cloud features (Live View, Remote Playback, Auto Backup, Push Notifications), connect the dash cam to a mobile hotspot or the optional CM100G LTE module (sold separately).

# COMPATIBLE WITH BLACKVUE CLOUD SERVICE

Connect via Wi-Fi to access **Live View**, video playback, **GPS tracking**, and **push alerts** anytime through the BlackVue App



**Image 4.3:** A smartphone screen displaying the BlackVue App, demonstrating its compatibility with the BlackVue Cloud service for live

## 5. MAINTENANCE

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### 5.1 MicroSD Card Management

The dash cam supports microSD cards up to 1TB. Regular formatting of the microSD card is recommended to maintain optimal performance and prevent data corruption. This can typically be done through the BlackVue App. The dash cam features endless loop recording, overwriting the oldest files when the card is full, except for event-locked files.



# LARGE STORAGE CAPACITY UP TO 1TB

Supports up to 1TB BlackVue microSD cards  
for **extended high-resolution recording**  
and **longer Parking Mode** without losing key footage



**Image 5.1:** The BlackVue dash cam unit, highlighting its microSD card slot and a 1TB microSD card, emphasizing its large storage capacity for 4K recording.

## 5.2 Cleaning

Gently wipe the camera lenses with a soft, lint-free cloth to ensure clear video recording. Avoid using harsh chemicals or abrasive materials. Keep the dash cam unit free from dust and debris.

## 6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Dash cam does not power on.	No power supply, loose connection, faulty power cable.	Check power cable connection. Ensure vehicle's 12V outlet is functional. Test with another power source if possible.
Video quality is poor or blurry.	Dirty lens, protective film still on lens, incorrect settings, damaged lens.	Clean lenses with a soft cloth. Remove any protective film. Check video resolution settings in the BlackVue App.
Wi-Fi connection issues.	Incorrect Wi-Fi password, too far from dash cam, interference.	Ensure correct password. Be within close proximity to the dash cam. Restart both dash cam and smartphone.
MicroSD card errors.	Card corruption, incompatible card, full card.	Format the microSD card via the BlackVue App. Use a BlackVue-recommended microSD card. Replace card if issues persist.
App feels clunky or slow.	Outdated app version, phone performance, network issues.	Ensure the BlackVue App is updated to the latest version. Check your phone's available memory and network connection.

## 7. SPECIFICATIONS

Feature	Detail
Model Name	DR970X-2CH Plus II
Front Camera Resolution	4K UHD (3840x2160)
Rear Camera Resolution	Full HD (1920x1080)
Front Sensor	STARVIS 2
Video Features	HDR, HEVC/H.265, AVC/H.264 encoding
Connectivity	Wi-Fi, Cloud (via external hotspot/LTE module)
Special Features	G-Sensor, Smart Parking Mode, Fast USB-C Boot
Storage	Supports up to 1TB microSD card
Product Dimensions	7.8"D x 4.8"W x 4"H
Item Weight	1.83 pounds
Manufacturer	Pittasoft

## 8. WARRANTY AND SUPPORT

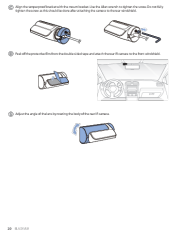

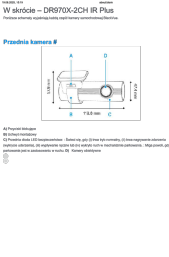
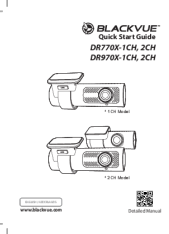
For specific warranty information, please refer to the warranty card included with your product or visit the official BlackVue website.

For technical support, firmware updates, and additional resources, please visit the BlackVue support page or contact BlackVue customer service directly.

- **BlackVue Official Website:** [www.blackvue.com](http://www.blackvue.com)
- **Support Page:** Refer to the official website for the most current support contact information.



Related Documents - DR970X-2CH Plus II

	<p><a href="#">BlackVue DR970X Box-2CH Plus Series Installation and User Guide</a></p> <p>A comprehensive guide to installing and using the BlackVue DR970X Box-2CH Plus Series dashcam, including rear camera setup, GNSS module installation, connectivity module installation, power cable options, and app usage.</p>
	<p><a href="#">BlackVue DR970X Box-2CH Plus Series: User Manual and Installation Guide</a></p> <p>Comprehensive guide to the BlackVue DR970X Box-2CH Plus Series dashcam, covering features, installation, software usage, specifications, and maintenance. Learn how to download videos, use the Web Viewer, and optimize performance.</p>
	<p><a href="#">BlackVue DR970X-2CH IR Plus: Przegląd komponentów i funkcji</a></p> <p>Szczegółowy przegląd kamery samochodowej BlackVue DR970X-2CH IR Plus, opisujący komponenty, wskaźniki LED oraz instrukcje montażu i demontażu kamery przedniej i tylnej.</p>
	<p><a href="#">BlackVue DR770X &amp; DR970X Series Quick Start Guide</a></p> <p>A quick start guide for BlackVue DR770X and DR970X series dashcams, covering installation, setup, app usage, and product specifications for enhanced vehicle recording and safety.</p>





User guide for the BlackVue DR650S-2CH IR dashcam, detailing its features, specifications, and installation instructions for the infrared interior camera.

## 1. Kowalski, Stephen

Ez a felhasználói útmutató a BlackVue ELITE 8 sorozatú fedélzeti kamerák telepítését, beállítását és használatát ismerteti, beleértve a Cloud funkciókat, a felvételi beállításokat és a firmware frissítést. Fedezze fel a felelt funkciókat a biztonságosabb és intelligensebb vezetés érdekében.

The Dashcam Store™ Partner Pricing



Official partner pricing sheet from The Dashcam Store, detailing a wide selection of dashcams and accessories from brands including BlackVue, Garmin, Thinkware, VIOFO, and Samsung. Features product details, model numbers, and pricing for various dashcam series and related components.

lang:en score:24 filesize: 342.67 K page count: 12 document date: 2025-08-12