Blackvue DR970X-2CH Plus II

BlackVue DR970X-2CH Plus II Dash Cam User Manual

Model: DR970X-2CH Plus II

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your BlackVue DR970X-2CH Plus II Dash Cam. Please read this manual thoroughly before using the product to ensure proper functionality and safety.

2. PACKAGE CONTENTS

Verify that all items are present in your product package:

- BlackVue DR970X-2CH Plus II Front Dash Cam
- Rear Camera
- Car Mount (for front camera)
- USB-C Power Cable
- Rear Camera Connection Cable
- MicroSD Card (size may vary based on purchase)
- MicroSD Card Reader
- Cable Clips
- Spare Mounting Tape
- Pry Tool
- Quick Start Guide

Image: The BlackVue DR970X-2CH Plus II Dash Cam, including front and rear cameras, a microSD card, and a smartphone displaying the app interface.

3. SETUP AND INSTALLATION

3.1 MicroSD Card Insertion

1. Ensure the dash cam is powered off.
2. Locate the microSD card slot on the side of the front camera.
3. Insert the microSD card with the gold contacts facing away from the lens until it clicks into place.

Smart Parking Surveillance

Automatically records **motion or impacts** with **10s pre-buffering** and **time-lapse mode** for efficient storage.
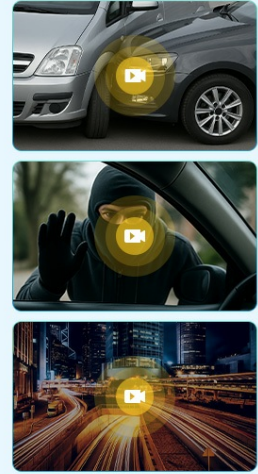
∗ Hardwire Cable Required.

Image: The BlackVue DR970X-2CH Plus II Dash Cam showing the microSD card slot and a microSD card, illustrating the large storage capacity up to 1TB.

3.2 Front Camera Installation

1. Choose a mounting location on your windshield, ideally behind the rearview mirror, ensuring it does not obstruct your view.
2. Clean the windshield surface thoroughly.
3. Attach the front camera mount to the windshield using the adhesive tape. Press firmly for at least 30 seconds.
4. Slide the front camera onto the mount until it locks securely.
5. Adjust the camera angle to ensure the road ahead is centered in the view.

OUTSTANDING 4K CLARITY

Image: The BlackVue DR970X-2CH Plus II front camera mounted discreetly behind a rearview mirror, showing its compact design.

3.3 Rear Camera Installation

1. Mount the rear camera on your rear windshield, ensuring a clear view of the road behind.

2. Connect the rear camera to the front camera using the provided coaxial cable. Route the cable neatly along the vehicle's headliner and pillars using the pry tool and cable clips.

Image: A diagram illustrating the routing of the rear camera cable from the front dash cam along the vehicle's interior to the rear camera.

3.4 Power Connection

Connect the USB-C power cable to the front camera and then to your vehicle's cigarette lighter socket or a dedicated USB-C power port. For advanced features like Parking Mode, hardwiring is recommended (hardwiring kit sold separately).

Image: The BlackVue USB-C power cable and car charger, highlighting the easy installation process for the dash cam.

4. OPERATING INSTRUCTIONS

4.1 Automatic Recording

The dash cam automatically starts recording when the vehicle's ignition is turned on. Video files are saved in segments and overwrite the oldest files when the microSD card is full (loop recording).

4.2 Video Quality Features: 4K UHD, STARVIS 2, and HDR

The front camera records in 4K UHD (3840x2160) and features the STARVIS 2 sensor and High Dynamic Range (HDR) technology. These technologies work together to provide exceptional clarity, detail, and balanced exposure in various lighting conditions, from bright daylight to low-light environments. The rear camera records in Full HD (1920x1080).

Image: Comparison showing the enhanced clarity and detail provided by HDR and STARVIS 2 technology in the BlackVue DR970X-2CH Plus II, capturing license plates clearly in varying light.

4.3 Parking Mode

When properly hardwired (with a hardwiring kit, sold separately), the dash cam enters Parking Mode when the ignition is turned off. It records motion and impacts, providing surveillance for your parked vehicle. Time-lapse recording is also available for efficient storage.

Image: Illustration of the Smart Parking Surveillance feature, showing the dash cam recording motion, impacts, and time-lapse footage while the vehicle is parked.

4.4 Event Recording

The built-in G-sensor detects sudden impacts or changes in vehicle speed, triggering event recording. These files are protected from being overwritten by loop recording. The system includes 10 seconds of pre-buffering to capture events leading up to an incident.

Image: Visual representation of the Smart Event Recording feature, showing a collision scenario and how the dash cam captures critical footage before and during the event.

4.5 Wi-Fi and Cloud Connectivity

The dash cam features built-in Wi-Fi for direct connection to your smartphone via the BlackVue App. This allows for live view, video playback, and settings adjustments. For remote access, connect the dash cam to a mobile hotspot or the optional CM100G LTE module (sold separately) to utilize BlackVue Cloud features such as Live View, Remote Playback, Auto Backup, and real-time Push Notifications.

SUPER NIGHT VISION

Experience brilliant night vision performance for safer driving

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

Front : 142°
Rear : 131°

Image: A smartphone screen displaying the BlackVue app interface, showing live view and notifications from the dash cam, illustrating Wi-Fi and Cloud connectivity.

5. MAINTENANCE

5.1 MicroSD Card Management

Regularly format the microSD card (at least once a month) using the BlackVue App or Viewer software to maintain

optimal performance and prevent errors. Use only BlackVue-branded microSD cards for guaranteed compatibility and reliability.

5.2 Firmware Updates

Keep your dash cam's firmware updated to ensure access to the latest features and improvements. Firmware updates can be performed via the BlackVue App or by manually loading the firmware onto the microSD card.

5.3 Cleaning

Gently clean the camera lenses with a soft, lint-free cloth. Avoid using harsh chemicals or abrasive materials that could damage the lens coating.

6. TROUBLESHOOTING

- **Dash Cam does not power on:** Check the power cable connection to both the dash cam and the vehicle's power outlet. Ensure the vehicle's ignition is on if not hardwired.
- **Recording issues:** Ensure the microSD card is inserted correctly and is not full. Format the microSD card regularly. If issues persist, try a different BlackVue-branded microSD card.
- **Wi-Fi connection problems:** Ensure Wi-Fi is enabled on the dash cam and your smartphone. Try restarting both devices.
- **Poor video quality:** Ensure the lenses are clean. Check that the camera angle is correctly adjusted. Verify that the firmware is up to date.
- **Dash Cam requires firmware update after initial setup:** Some units may require a firmware update for optimal performance. Follow the instructions in the BlackVue App or on the BlackVue website to update the firmware.

7. SPECIFICATIONS

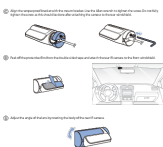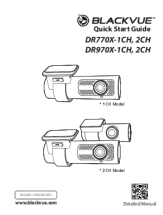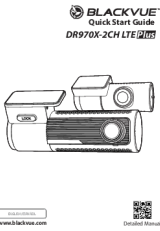| Feature	Description
Model Name	DR970X-2CH Plus II
Front Camera Resolution	4K UHD (3840x2160)
Rear Camera Resolution	Full HD (1920x1080)
Front Sensor	STARVIS 2
Video Encoding	HEVC (H.265), AVC (H.264)
Connectivity	Wi-Fi, Cloud (via external module)
Special Features	HDR, Fast USB-C Boot, G-Sensor, Smart Parking Mode, Up to 1TB microSD support
Storage	Supports up to 1TB microSD card (sold separately)
Product Dimensions	7.8"D x 4.8"W x 4"H
Item Weight	1.87 pounds
Manufacturer	Pittasoft

8. WARRANTY AND SUPPORT

BlackVue products are manufactured by Pittasoft. For warranty information, technical support, or service inquiries, please refer to the official BlackVue website or contact their customer support directly. Keep your proof of purchase for warranty claims.

For additional resources and frequently asked questions, visit the official BlackVue support page.
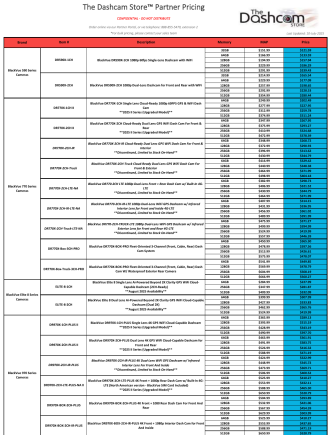
Related Documents - DR970X-2CH Plus II

	[BlackVue DR970X Box-2CH Plus Series: User Manual and Installation Guide](#) 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.
	[BlackVue DR970X Box-2CH Plus Series Installation and User Guide](#) 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.
	[BlackVue DR650S-2CH IR User Guide: Infrared Interior Camera](#) User guide for the BlackVue DR650S-2CH IR dashcam, detailing its features, specifications, and installation instructions for the infrared interior camera.
	[BlackVue DR770X & DR970X Series Quick Start Guide](#) 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.

BlackVue DR600GW-HD User Manual: Installation, Features, and Operation

Comprehensive user manual for the BlackVue DR600GW-HD dashcam by Pittasoft. Learn about installation, safety precautions, product features, video recording modes, playback options, software configuration, and firmware updates.

BlackVue DR970X-2CH LTE Plus Quick Start Guide

Get started with the BlackVue DR970X-2CH LTE Plus dashcam. This guide covers installation, setup, app usage, safety, and product features for optimal vehicle recording.

Documents - Blackvue – DR970X-2CH Plus II

The Dashcam Store Partner Pricing Sheet - Dashcams & Accessories

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.

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