

Blackvue DR900X-2CH

BlackVue DR900X-2CH Plus User Manual

Model: DR900X-2CH

1. PRODUCT OVERVIEW

The BlackVue DR900X-2CH Plus is a high-performance 4K UHD Cloud Dashcam system designed for comprehensive vehicle surveillance. It features an 8-megapixel CMOS sensor in the front camera, recording in stunning 4K Ultra High Definition (3840x2160) at 30 frames per second. The rear camera is equipped with a 2.1-megapixel STARVIS sensor, capturing Full HD (1920x1080) video at 30 frames per second. This dual-channel system provides a wide 162-degree field of view, ensuring extensive coverage of your vehicle's surroundings. Key features include built-in Wi-Fi, GPS, and advanced Parking Mode with voltage monitoring, offering robust protection even when your vehicle is parked. Cloud connectivity and mobile hotspot functionality are available via an optional LTE module, allowing for remote live view and video management.



The BlackVue DR900X-2CH Plus system includes both a front-facing 4K UHD camera and a Full HD rear camera for comprehensive vehicle surveillance.

2. PACKAGE CONTENTS

Before beginning installation, please verify that all components are present in your BlackVue DR900X-2CH Plus package:

- Camera Body (Front Dashcam)
- Rear Camera
- Power Cable (for cigarette lighter socket)
- Hardwiring Power Cable (for Parking Mode)
- Coaxial Cable (for connecting front and rear cameras)
- microSD Card (32GB included)
- microSD Card Reader
- Cable Clips
- Spare Mounting Tapes
- Pry Tool
- Quick Start Guide



This image displays all components included in the BlackVue DR900X-2CH Plus package, such as the front and rear cameras, mounting accessories, power cables, and a microSD card.

3. SETUP AND INSTALLATION

Follow these steps for proper installation of your BlackVue DR900X-2CH Plus dashcam:

1. **Choose Mounting Location:** Select a location on your windshield, typically behind the rearview mirror, that does not obstruct your view. The front camera uses an adhesive mount for secure attachment.
2. **Clean Surface:** Ensure the mounting surface on the windshield is clean and dry before applying the adhesive mount.
3. **Mount Front Camera:** Attach the front camera to the chosen location using the adhesive mount. Ensure the lens has a clear view of the road ahead.
4. **Route Power Cable:** Connect the power cable to the front dashcam. Carefully route the cable along the edge of the windshield and down to your vehicle's power source (cigarette lighter socket or fuse box for hardwiring). The system supports 12V-24V vehicle electrical systems.
5. **Install Rear Camera:** Mount the rear camera on your rear windshield, ensuring a clear view. Connect it to the front camera using the provided coaxial cable. Route this cable discreetly along the vehicle's interior trim.
6. **Insert microSD Card:** Insert the provided microSD card into the designated slot on the dashcam.
7. **Power On:** Once all connections are secure, start your vehicle to power on the dashcam. The dashcam will automatically begin recording.



The BlackVue DR900X-2CH Plus dashcam discreetly mounted on a vehicle's windshield, demonstrating its compact design and optimal placement for recording.



Illustration showing the seamless pairing process between the BlackVue dashcam and a smartphone, enabling easy setup and access via the BlackVue app.

4. OPERATING INSTRUCTIONS

The BlackVue DR900X-2CH Plus is designed for intuitive operation, primarily managed through the BlackVue app on your smartphone or tablet.

- **Automatic Recording:** The dashcam automatically starts recording when the vehicle's ignition is turned on. It records in a loop, overwriting the oldest files when the microSD card is full, unless those files are marked as event recordings.
- **Wi-Fi Connectivity:** Activate the dashcam's built-in Wi-Fi to connect your smartphone. This allows you to view live footage, access recorded videos, adjust settings, and update firmware via the BlackVue app.
- **GPS Functionality:** The integrated GPS module records your vehicle's speed and location data, which can be viewed during video playback in the BlackVue Viewer software.
- **Event Recording:** The dashcam features an impact sensor that automatically triggers event recording upon detecting significant impacts or sudden changes in speed. These files are protected from being overwritten.
- **Manual Recording:** A dedicated button or gesture control on the dashcam allows for manual triggering of event recordings.

5. PARKING MODE

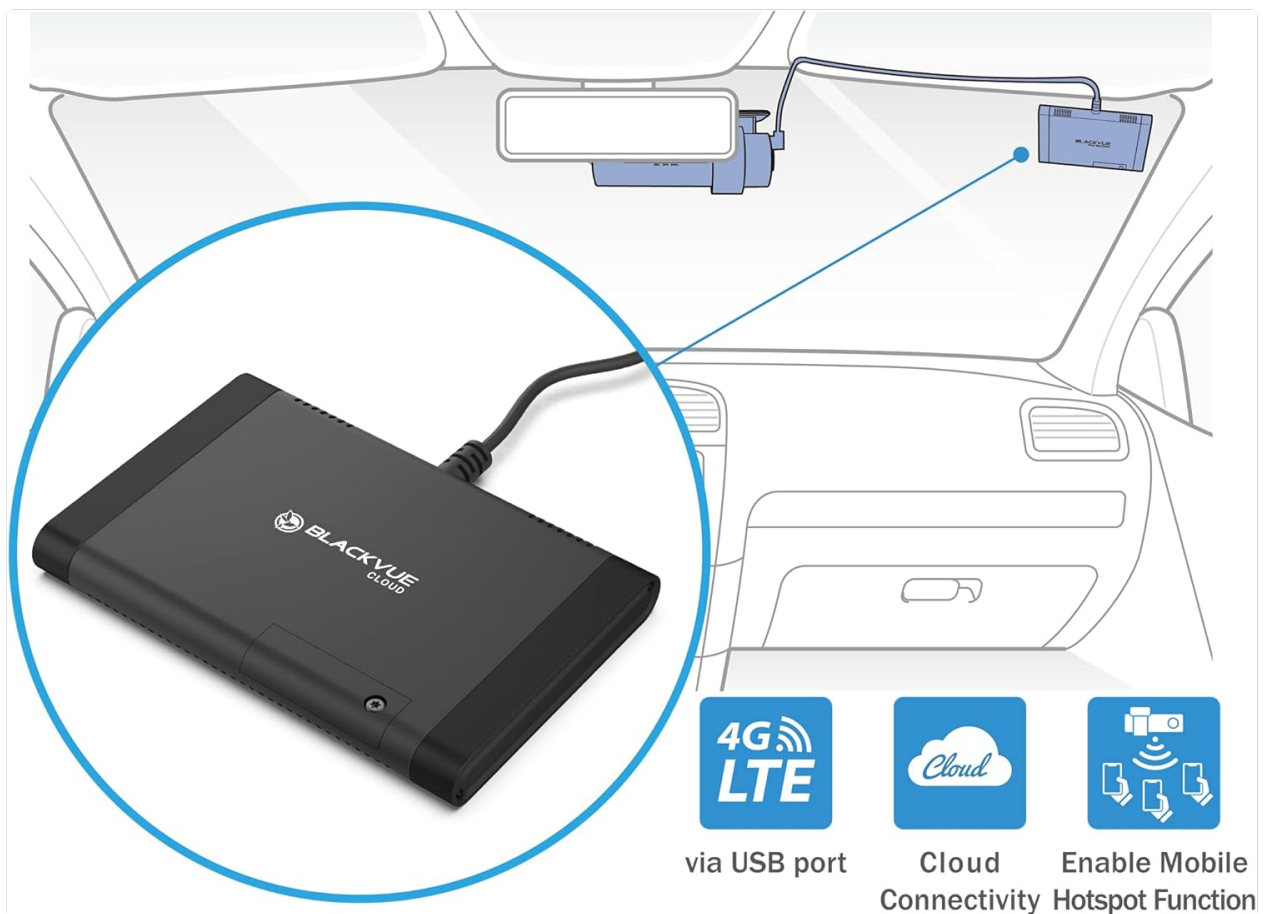
The BlackVue DR900X-2CH Plus offers advanced Parking Mode functionality to protect your vehicle when parked. When hardwired to your vehicle's power, the dashcam automatically switches to Parking Mode after the ignition is turned off.

- **Motion and Impact Detection:** In Parking Mode, the dashcam monitors for motion and impacts. It records buffered event videos when motion or impact is detected, ensuring you capture incidents before and after they occur.
- **Time-Lapse Recording:** For continuous surveillance with minimal storage usage, the dashcam can record in time-lapse mode during parking.
- **Voltage Monitoring:** The built-in voltage monitor prevents your vehicle's battery from draining by automatically shutting down the dashcam if the battery voltage drops below a configurable threshold.
- **Parking Mode Event Notifications:** If connected to the BlackVue Cloud, you can receive push notifications on your smartphone when an impact is detected in Parking Mode.

6. CLOUD CONNECTIVITY (OPTIONAL LTE MODULE)

The BlackVue DR900X-2CH Plus supports BlackVue Cloud services, providing remote access to your dashcam from anywhere. This functionality requires an optional BlackVue LTE Connectivity Module (CM100GLTE) connected via the USB port.

- **Live View:** Remotely monitor your vehicle in real-time through the BlackVue app.
- **Push Notifications:** Receive instant alerts for events like impacts in Parking Mode.
- **Cloud Storage:** Back up important event videos to the BlackVue Cloud.
- **Two-Way Voice Communication:** Communicate with occupants in your vehicle through the dashcam.
- **GPS Tracking:** Track your vehicle's location and route history in real-time.
- **Mobile Hotspot:** The LTE module can also function as a mobile hotspot, providing internet access for up to five devices.



A diagram illustrating how the optional LTE module connects to the BlackVue dashcam via a USB port, enabling cloud connectivity and mobile hotspot functionality.

7. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your BlackVue dashcam:

- **MicroSD Card Management:** Format the microSD card regularly (e.g., once a month) using the BlackVue app or Viewer software to prevent data corruption and ensure smooth recording. Replace the microSD card periodically, as they have a limited lifespan due to continuous overwriting.
- **Lens Cleaning:** Gently clean the camera lenses with a soft, lint-free cloth to remove dust or smudges that could affect video quality.

- **Firmware Updates:** Check for and install the latest firmware updates via the BlackVue app or website. Firmware updates often include performance improvements, bug fixes, and new features.
- **Cable Inspection:** Periodically inspect all cables for any signs of wear or damage. Ensure connections are secure.

8. TROUBLESHOOTING

If you encounter issues with your BlackVue DR900X-2CH Plus, consider the following troubleshooting steps:

- **Dashcam Not Powering On:**
 - Check power cable connections to the dashcam and vehicle's power source.
 - Ensure the vehicle's ignition is on (if not hardwired for Parking Mode).
 - Verify the fuse in the power cable or vehicle's fuse box.
- **Recording Issues (No Recording/Corrupted Files):**
 - Format the microSD card using the BlackVue app or Viewer.
 - Try a different, genuine BlackVue-compatible microSD card.
 - Ensure the microSD card is inserted correctly.
- **Wi-Fi Connection Problems:**
 - Ensure Wi-Fi is enabled on the dashcam (check voice prompts).
 - Restart the dashcam and your smartphone.
 - Ensure you are within close proximity to the dashcam.
- **GPS Not Working:**
 - Ensure the dashcam has a clear view of the sky.
 - Check for any metallic tinting on the windshield that might interfere with the GPS signal.
- **Rear Camera Not Displaying/Recording:**
 - Check the coaxial cable connection between the front and rear cameras.
 - Ensure the cable is not damaged.

For persistent issues, refer to the detailed troubleshooting section in the full user manual available on the BlackVue website or contact BlackVue customer support.

9. SPECIFICATIONS

Feature	Description
Model Name	DR900X-2CH

Front Camera Resolution	4K UHD (3840x2160) @ 30FPS
Rear Camera Resolution	Full HD (1920x1080) @ 30FPS
Front Camera Sensor	8 Megapixel CMOS Sensor
Rear Camera Sensor	2.1 Megapixel STARVIS Sensor
Field of View	162 Degrees
Connectivity	Built-in Wi-Fi (2.4-5GHz), GPS, Optional LTE Module (via USB)
Parking Mode	Native Parking Mode with Voltage Monitor
Storage	microSD Card (32GB included)
Power Input	DC 12V-24V
Dimensions (Front)	1.1 x 109 x 106.5 inches (approximate)
Item Weight	1.7 pounds
Mounting Type	Adhesive Mount
Color	Black



10. WARRANTY AND SUPPORT

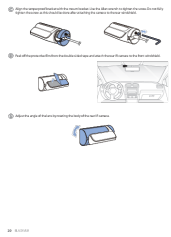

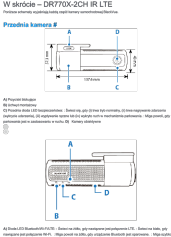

For warranty information, technical support, or service inquiries regarding your BlackVue DR900X-2CH Plus dashcam, please refer to the official BlackVue website or contact their customer support directly. Keep your purchase receipt as proof of purchase for warranty claims.

BlackVue Official Website: www.blackvue.com

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Related Documents - DR900X-2CH

 SIM Activation Guide 	BlackVue SIM Activation Guide for Cloud Connectivity <p>A comprehensive guide to activating your SIM card and connecting your BlackVue dashcam to the BlackVue Cloud service. This guide covers finding connectivity details, creating an account, registering your dashcam, and the SIM activation process for enhanced features.</p>
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 <p>DR970X Box-2CH Plus Series Installation and User Guide</p>	<p>BlackVue DR970X Box-2CH Plus Series Installation and User Guide</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>BLACKVUE™ DR900X Plus Quick Start Guide</p>	<p>BlackVue DR900X Plus Quick Start Guide</p> <p>Comprehensive quick start guide for the BlackVue DR900X Plus dashcam, covering installation, setup, playback, cloud connectivity, product specifications, and warranty information.</p>
 <p>BLACKVUE™ Over the Cloud™ DR650S-2CH IR User Guide Infrared Interior Camera</p>	<p>BlackVue DR650S-2CH IR User Guide: Infrared Interior Camera</p> <p>User guide for the BlackVue DR650S-2CH IR dashcam, detailing its features, specifications, and installation instructions for the infrared interior camera.</p>
 <p>Wskrośce – DR770X-2CH IR LTE Przebieg kamery #</p>	<p>BlackVue DR770X-2CH IR LTE Dashcam: Component Overview</p> <p>Detailed overview of the components and features of the BlackVue DR770X-2CH IR LTE dual-channel dashcam, including front, rear, and internal camera parts, LEDs, ports, and mounting instructions.</p>
 <p>BLACKVUE Wi-Fi 2CH For your safe driving</p> <p>PITTASOFT</p>	<p>BlackVue Wi-Fi 2CH DR550GW-2CH User Manual</p> <p>User manual for the BlackVue Wi-Fi 2CH DR550GW-2CH car dashcam by PittaSoft Co., Ltd., detailing installation, operation, features, and troubleshooting for enhanced driving safety.</p>