

Blackvue DR590X-1CH Plus

BlackVue DR590X-1CH Plus User Manual

Model: DR590X-1CH Plus

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your BlackVue DR590X-1CH Plus dashcam. The DR590X-1CH Plus is a single-channel Full HD dashcam designed for reliable video recording in your vehicle, featuring built-in Wi-Fi, a STARVIS imaging sensor for superior low-light performance, and native parking mode support.



The BlackVue DR590X-1CH Plus dashcam, shown with its included 32GB microSD card and a smartphone demonstrating its Wi-Fi connectivity and app interface.

WHAT'S IN THE BOX

Verify that all components are present in your package:

- 1 x Front Camera
- 1 x Quick Start Guide
- 5 x Cable Clips
- 1 x Micro SD Card (32GB)
- 1 x Micro SD Card Reader
- Spare Mount Sticky Pads
- 1 x Analog Video Cable
- 1 x Hardwiring Power Cable
- 1 x Cigarette Lighter Power Adapter

WHAT'S IN THE BOX?



Cable clips (3EA)



Spare mount sticky pads



Youtube



App



Manual



Dash Cam



BlackVue microSD Card



Cigarette Lighter Power Cable



Quick Start Guide

An overview of all items included in the BlackVue DR590X-1CH Plus package.

SETUP

1. MicroSD Card Insertion

Before first use, ensure the microSD card is properly inserted into the dashcam. The BlackVue dashcam is designed to continuously record in a loop without requiring frequent formatting of the microSD card.

2. Mounting the Dashcam

Choose a location on your windshield, typically behind the rearview mirror, that does not obstruct your view. Clean the area thoroughly before applying the mount sticky pads. Ensure the camera lens has a clear view of the road ahead.

3. Power Connection

Connect the dashcam to your vehicle's power source using either the included cigarette lighter power adapter or the hardwiring power cable for parking mode functionality. The hardwiring cable allows the dashcam to switch to Parking Mode automatically when vehicle ignition is turned off.

4. Cable Management

Use the provided cable clips to neatly route the power cable along the edges of your windshield and dashboard,

ensuring it does not interfere with driving or vehicle controls.

OPERATING INSTRUCTIONS

Recording

The DR590X-1CH Plus automatically begins recording in Full HD (1920×1080) at 60 frames per second once powered on. The camera has a 131-degree view angle.

Wi-Fi Connectivity and App Control

The dashcam features built-in Wi-Fi, allowing you to connect with the BlackVue App (available for iOS/Android). A dedicated button on the dashcam lets you turn Wi-Fi on/off. You can configure Wi-Fi activation behavior (Auto Turn On, Auto Turn Off) in the app settings. The app allows you to manage settings, transfer videos, and view live footage.

BUILT-IN WI-FI
FOR SEAMLESS APP CONTROL



ANYTIME
Connect to the BlackVue App

The BlackVue DR590X-1CH Plus with a smartphone showing the BlackVue app, highlighting built-in Wi-Fi for seamless app control.

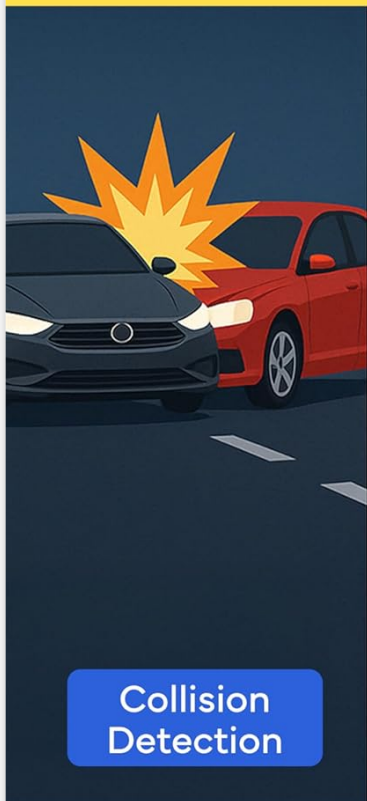
Parking Mode

When hardwired, the DR590X-1CH Plus automatically switches to Parking Mode when the vehicle ignition is turned off. In Parking Mode, the dashcam can detect collisions, perform low bitrate recording, and detect motion. Voltage

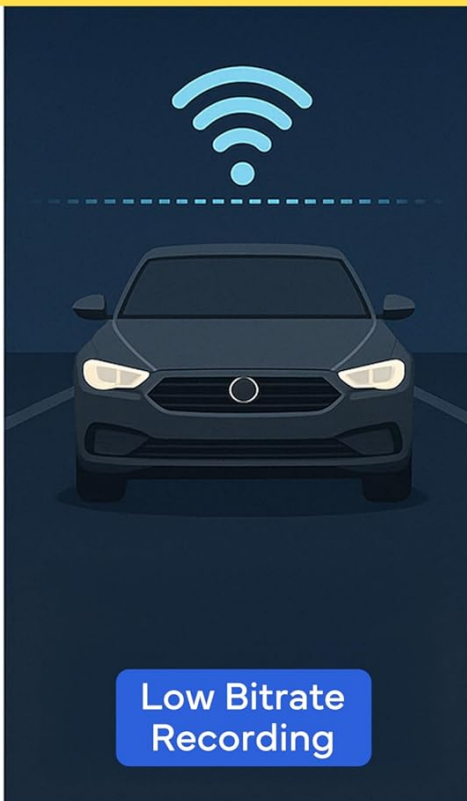
cutoff and timer settings for Parking Mode can be adjusted via the BlackVue App.



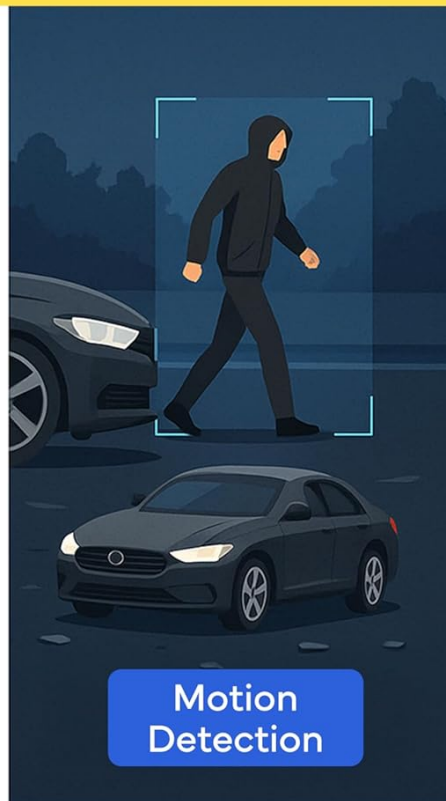
IGNITION OFF **PARKING MODE ON!**



**Collision
Detection**



**Low Bitrate
Recording**



**Motion
Detection**

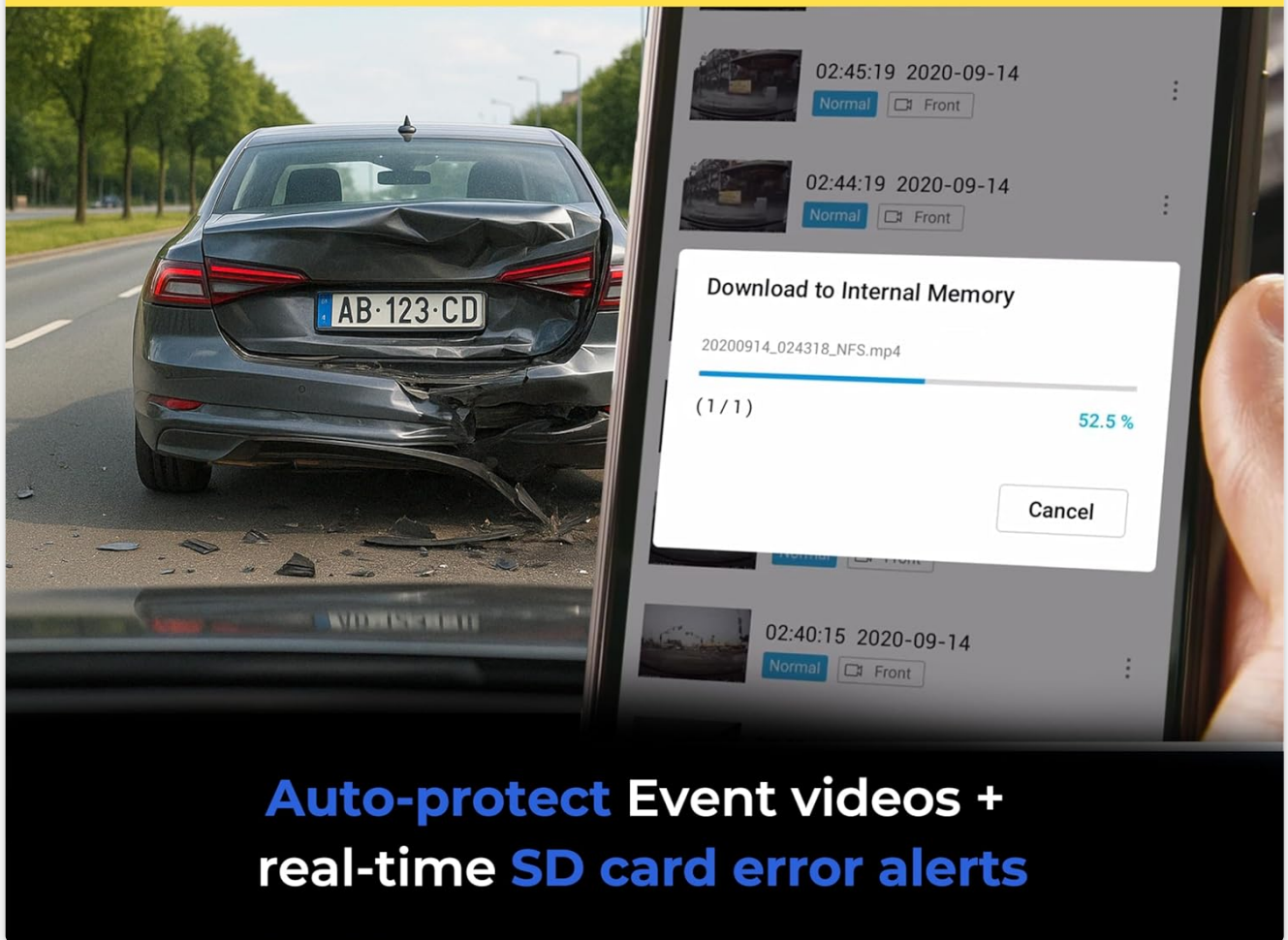
**Easily set the voltage cutoff and timer
with the BlackVue App using the Native Parking mode**

Visual representation of the BlackVue Parking Mode, illustrating collision detection, low bitrate recording, and motion detection capabilities.

File Management and Safety

The dashcam utilizes Adaptive Format Free File Management, designed for continuous loop recording without frequent microSD card formatting. You can set your BlackVue to protect up to 50 Event videos, preventing them from being overwritten by normal driving footage. The system also provides instant voice alerts if the microSD card encounters an issue and cannot write data, ensuring critical footage is always recorded.

NEVER LOSE WHAT MATTERS



**Auto-protect Event videos +
real-time SD card error alerts**

The BlackVue app interface demonstrating the ability to download event videos and receive real-time SD card error alerts, ensuring important footage is never lost.

Optional GPS

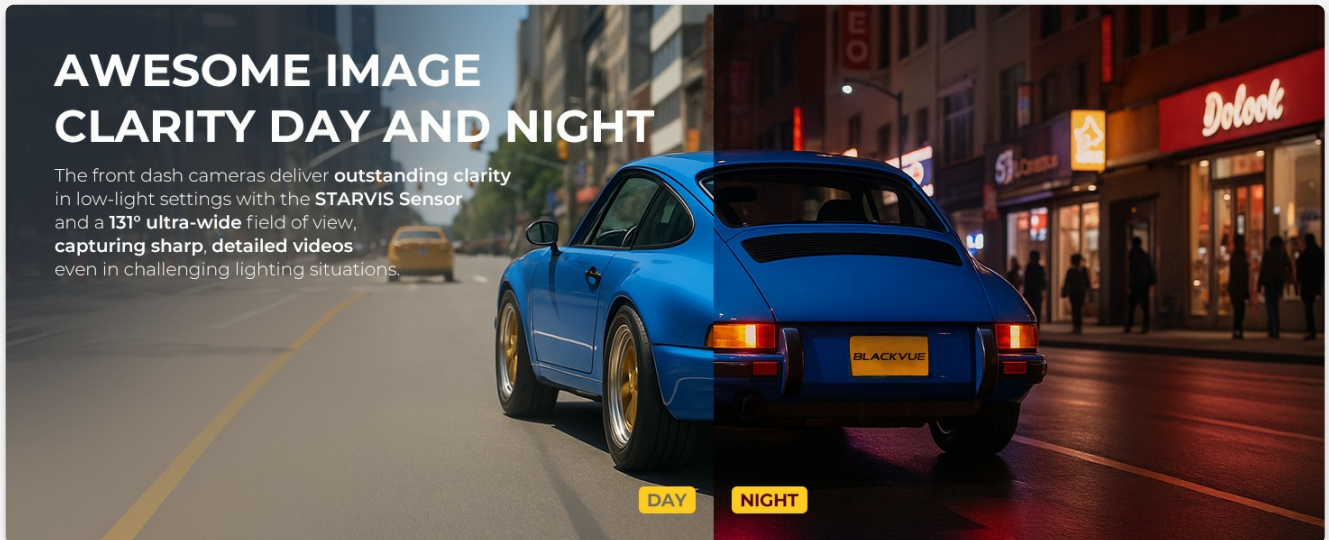
An optional BlackVue GNSS (GPS + GLONASS) receiver can be connected via the USB port to record location and include speed data in your videos.

FEATURES OVERVIEW

- **Full HD 60FPS Dashcam:** Single-Channel Full HD (1920×1080) at 60 frames per second with a 131-degree view angle.
- **STARVIS Sensor:** Provides excellent image clarity day and night.
- **Built-in Wi-Fi:** Connects with the BlackVue App for easy control and video transfer.
- **Signature BlackVue Design:** Discreet tubular black design that blends well with car interiors.
- **Parking Mode Support:** Automatically switches to parking mode when hardwired, with configurable voltage cutoff and timer settings via the app.
- **Adaptive Format Free File Management:** Designed for continuous loop recording without frequent microSD card formatting.
- **File Safety and SD Card Error Alerts:** Protects up to 50 Event videos and provides voice alerts for microSD

card issues.

- **Optional GPS:** USB port for connecting a BlackVue GNSS receiver to record location and speed data.
- **App and Viewer:** Free BlackVue App (iOS/Android) and Viewer (Windows/Mac OS) for managing settings and transferring videos.



The STARVIS imaging sensor ensures awesome image clarity both day and night, capturing vivid footage in various lighting conditions.

MAINTENANCE

MicroSD Card Care

While the BlackVue dashcam features adaptive format-free file management, it is recommended to periodically format the microSD card (e.g., once a month) using the BlackVue App or Viewer to maintain optimal performance and prevent potential data corruption. Always back up important footage before formatting.

Cleaning the Lens

Gently wipe the camera lens with a soft, lint-free cloth to ensure clear video recording. Avoid using abrasive cleaners.

TROUBLESHOOTING

Dashcam Not Powering On

- Check the power cable connection to both the dashcam and the vehicle's power outlet.
- Ensure the vehicle's ignition is on if using the cigarette lighter adapter.
- If hardwired, verify the fuse panel connection and ensure the vehicle battery has sufficient charge.

Recording Issues / SD Card Errors

- If you hear voice alerts about microSD card issues, the card may be corrupted or full.
- Try formatting the microSD card using the BlackVue App or Viewer.
- If issues persist, replace the microSD card with a genuine BlackVue compatible card.

Wi-Fi Connection Problems

- Ensure Wi-Fi is enabled on the dashcam (press the Wi-Fi button).

- Restart both the dashcam and your smartphone.
- Make sure you are within close proximity to the dashcam.
- Ensure your BlackVue App is updated to the latest version.

An important notice reminding users to update the BlackVue app to the latest version for correct operation and optimal performance.

SPECIFICATIONS

Feature	Specification
Model Name	DR590X-1CH Plus
Video Capture Resolution	Full HD (1920x1080) at 60 FPS
View Angle	131 degrees
Connectivity Technology	Wi-Fi
Special Features	Full HD, Built-In Wifi, STARVIS Imaging sensor, Native Parking Mode
Mounting Type	Windshield Mount
Product Dimensions	6.8 x 4.9 x 3.9 inches
Item Weight	1.3 pounds
Manufacturer	Pittasoft
Date First Available	December 2, 2024

WARRANTY & SUPPORT

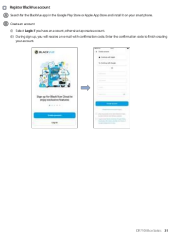
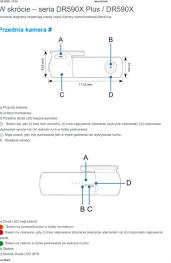
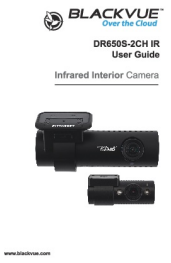


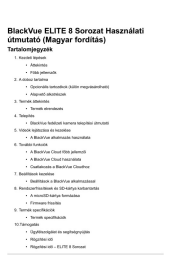
The BlackVue DR590X-1CH Plus comes with a **2-year manufacturer warranty**, providing extended confidence in your product. For further assistance, troubleshooting, or to access the full user manual, please refer to the following resources:

- **Official Manual:** manual.blackvue.com/docs/dr590x-2ch/
- **Quick Start Guide QR:** blackvue.com/qsg-qr-dr590x-series
- **BlackVue App & Viewer:** Download the free BlackVue App (iOS/Android) and Viewer (Windows/Mac OS) for managing settings and transferring videos.

IMPORTANT NOTICE: NO OFFICIAL PRODUCT VIDEOS FOUND

Based on the provided product data, no official product videos from the seller ('creator_type':'Seller') were found that meet the criteria for inclusion in this manual. Therefore, no videos have been embedded.

Related Documents - DR590X-1CH Plus

	<p>BlackVue DR770X Box Series: Setup, Cloud Connectivity, and Usage Guide</p> <p>Comprehensive guide to setting up and using the BlackVue DR770X Box Series dashcam, including app integration, cloud connectivity via Wi-Fi hotspot or SIM card, and viewer software.</p>
	<p>BlackVue DR590X Series: Quick Start Guide and Component Overview</p> <p>Detailed overview of the BlackVue DR590X Plus and DR590X dashcam series, including front and rear camera component identification, LED indicator functions, and installation instructions.</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>BlackVue DR590-1CH Dashcam User Manual Installation, Settings, and Operation Guide</p> <p>Comprehensive user manual for the BlackVue DR590-1CH dashcam. Learn about installation, safety precautions, managing videos, changing settings, and optimal performance tips from Pittasoft Co., Ltd.</p>
	<p>BlackVue DR500GW-HD Dashcam User Manual</p> <p>Comprehensive user manual for the BlackVue DR500GW-HD car dashcam, covering installation, operation, features, software usage, and troubleshooting.</p>
	<p>BlackVue ELITE 8 Sorozat Használati útmutató</p> <p>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 fejlett funkciókat a biztonságosabb és intelligensebb vezetés érdekében.</p>