

BlackVue DR770X-2CH

Vehicle Dashcam



Description

Our most popular, most robust Full HD dual dash cam system. With exceptional all-new Sony STARVIS™ night vision and all-new built-in power management hardware, you can rest easy knowing you are always protected. Both the front and rear cameras feature an upgraded Full HD Sony STARVIS™ image sensor. The back-illuminated image sensors produce the best image quality under any light thanks to high sensitivity and wide dynamic range.

The unique design of BlackVue cameras enables a discreet installation and easy access to features and useful functions. The newly integrated Sony STARVIS™ allows for enhanced Night Time Vision recording, allowing you to easily see foreign objects in low light conditions. With advanced parking mode technology, your dash cam protects your car, recording videos when it detects movement or impact, even when you're not there. Buffered recording even includes the few seconds before and after the triggered event, so you get the complete picture. Supercharged with BlackVue Cloud™: Live View, Emergency Alarm, Video Backup, and Video Playback.

BlackVue won the 2021 Canstar Dash Cam awards, and achieving 5 stars in all ratings categories, including picture quality, ease of use, ease of accessing footage, memory / storage capacity, sound quality, value for money, design and overall satisfaction.

Features and Benefits

- Full HD
- Industry leading design
- Enhanced Night Vision Capabilities
- Intelligent parking mode
- Supercharged with BlackVue Cloud™
- Prioritizing Security & Satisfaction
- Mobile Hotspot Function
- DMS Calibration - DR770X-2CH DMS
- Driver Monitoring System Features - DR770X-2CH DMS

Applications

Commercial and private vehicles, trucks, long-haul trucks, fleet trucks, lorries, waste, utility vehicles

Tech Specs

Key Specifications

Channel	2 Channel (Front + Rear)
Colour / Size / Weight	Front: Black / Width 118.5 mm x Height 36 mm / 103 g Rear: Black / Width 67.4 mm x Height 25 mm / 25 g
Memory	MicroSD Card (64 GB/128 GB/256 GB)
Speaker & GPS	Built-in
LED	Front: Security LED, Recording LED, Touch Sensor LED, Bluetooth/Wi-Fi/LTE LED Rear: Security LED
Sensor	3-Axis acceleration sensor
Battery or Capacitor	Built-in Super Capacitor



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APS USA
sales@aps-supply.com
P: 1 619 263 4164

APS Australia
sales.apsa@aps-supply.com
P: 61 (8) 9302 2369 (WA)
P: 61 (02) 4915 6781 (NSW)

APS Colombia
ventascolombia@aps-supply.com
T: 57 (4) 444 7275

APS Chile
ventaschile@aps-supply.com
T: 56 (2) 2948 8044

APS Perú
ventasperu@aps-supply.com
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Camera + Recording

Recording Mode	Normal Recording Event Recording (Impact Detection) Manual Event Recording Parking Mode Recording (Impact and Motion Detection)
Camera	Touch sensor: Trigger Manual Recording
Memory	Front: STARVIS™ CMOS Sensor (Approx. 2.1 M Pixel) Rear: STARVIS™ CMOS Sensor (Approx. 2.1 M Pixel)
Viewing Angle	Front: Diagonal 139°, Horizontal 116°, Vertical 61° Rear: Diagonal 139°, Horizontal 116°, Vertical 61°
Format Free	Yes (Adaptive)
Resolution/FPS	Front: Full HD (1920x1080) @60fps Rear: Full HD (1920x1080) @30fps Highest (Extreme): 25 + 10 Mbps Highest (12 + 10 Mbps) High (10 + 8 Mbps) Normal (8 + 6 Mbps)
Image Quality	Highest (Extreme): 25 + 10 Mbps Highest (12 + 10 Mbps) High (10 + 8 Mbps) Normal (8 + 6 Mbps)
Video Codec	H.264 (AVC)
Video File Extension	MP4

Operating

Input Voltage	DC 12V – 24V (3 pole DC Plug: (Ø3.5 x Ø1.1), MAX 1A/12V)
Current Consumption	Normal Mode (WiFi On / GPS On / 2CH) : Avg. 380mA / 12V Parking Mode (WiFi On / GPS Off / 2CH) : Avg. 300mA / 12V Built-in Variable Voltage Cut-off System
Voltage Cut-off	11.8V – 12.5V 22.8V – 24V / 12V
Operating & Storage Temp.	-20°C – 80°C (-4°F – 176°F)
High Temp. Cut-off	Approximately 80°C (176°F)

Other

Wi-Fi	Built-in (802.11n 2.4~2.4835 GHz)
Software	BlackVue Viewer* Windows 7 or higher and Mac OS X Sierra (10.12) or higher
GPS	Built-in (Dual Band: GPS, GLONASS)
4G LTE	Optional via the CM100GLTE module
Application	BlackVue Application (Android 8.0 or higher, iOS 13.0 or higher)
Microphone	Built-in
Certifications	Front: FCC, ISED, CE, UKCA, RCM, RoHS, Teleg, WEEE, KC Rear: FCC, ISED, CE, UKCA, RCM, RoHS, WEEE, KC
Warranty	36 Months Warranty (Australian Customers Only)

Part No.	Description
DR770X-2CH	BlackVue DR770X-2CH features Full HD front and rear protection for your vehicle, powered by Sony STARVIS™ image sensors for best image quality under any light. Also included are GPS logger, built-in Wi-Fi, Cloud connectivity, impact and motion detection.



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Dual Full HD Cloud Dashcam

Night Footage Never Looked This Good

Dual STARVIS™ sensors in Full HD 1080p (front 60 / rear 30 frames per second). Fluid videos of the front and back of your car at a wide 139° view angle. The back-illuminated STARVIS image sensors produce clear details in both shadows and highlights thanks to high sensitivity and wide dynamic range. Native Parking Mode with built-in voltage monitor to protect your vehicle battery (hardwiring cable included). With the free BlackVue Cloud service, check on your car from anywhere, anytime.



- Dual Full HD**
 Front 60FPS
 Rear 30FPS
- SONY STARVIS**
 CMOS Sensor
 Front+Rear
- Native Parking Mode Support**
- via Wi-Fi/USB module**
- Seamless Pairing**

Wi-Fi, GPS and Optional LTE

Wi-Fi: download videos to your phone at blazing speed. Wi-Fi also lets your BlackVue connect to BlackVue Cloud via any home or mobile Wi-Fi hotspot (router).

GPS: visualize the location of your vehicle on the map during video playback and overlay speed on videos (can be hidden in settings).

LTE: connect the optional LTE connectivity module* via the USB port for the best Cloud experience and use your BlackVue as a Wi-Fi hotspot for up to five devices.

SPEAKER:

With Voice Alarms, your dashcam tells you when it turns on, changes recording mode, shuts down, etc



RECORDING LED:

- Normal Recording
- Event Recording
- Parking Mode Recording

- Various Recording Modes**
- Impact Detection**
- Motion Detection**

TTW 2 Year Warranty

When you purchase a Blackvue Dash Camera from TTW we will offer you a extra 12 months warranty compared to anyone else, making this 2 years. This applies to the New range of Blackvue Dash camera series. DR970X | DR770X | DR970X LTE | DR770X LTE



Seamless Pairing with the BlackVue App

Effortless setup. Secure. No password.

With Seamless Pairing, setting up your dashcam is a breeze. Just power the dashcam, then easily connect from the BlackVue app and follow the simple instructions. Whether you want to browse your dashcam's files and settings or connect your dashcam to the Cloud, Seamless Pairing makes everything easy and intuitive.



Seamless Pairing



Built-in Speaker, Impact Sensor and Motion Detection

Speaker: your dashcam tells you when it turns on, shuts down or detects errors.

Accelerometer: detects impacts to trigger Event recording. Enables Parking Mode* when stationary for 5 minutes.

Automatically tags video files: While driving, the built-in accelerometer (G-sensor) detects impacts and sudden changes in speed. While parked, your BlackVue also detects visual movements around your vehicles (in Motion + Impact detection mode).

Use the filters in the BlackVue App and Viewer: BlackVue tags all videos (Normal, Event, Parking Mode, etc.), so that you can filter them and quickly find the ones you need in the BlackVue Viewer (Windows, Mac OS, Web) or the BlackVue App (Android, iOS).



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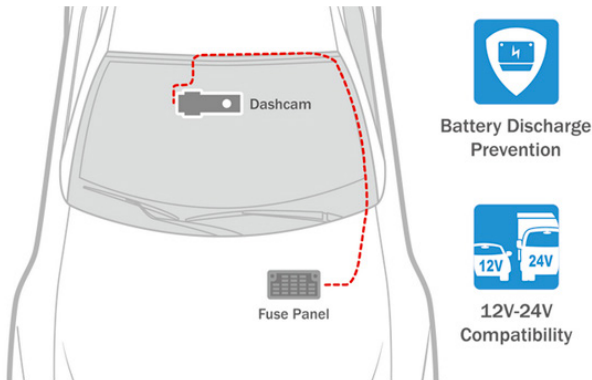
Native Parking Mode

Hardwiring cable included

DR770X Series can be hardwired to your vehicle's fuse panel for Parking Mode, without requiring optional accessories. The dashcam will switch to Parking Mode automatically when vehicle ignition is turned off. Voltage cut-off and timer can be set in the BlackVue App.

Parking Mode accessories support

DR970X Series is also compatible with all BlackVue Parking Mode Kits and Batteries.

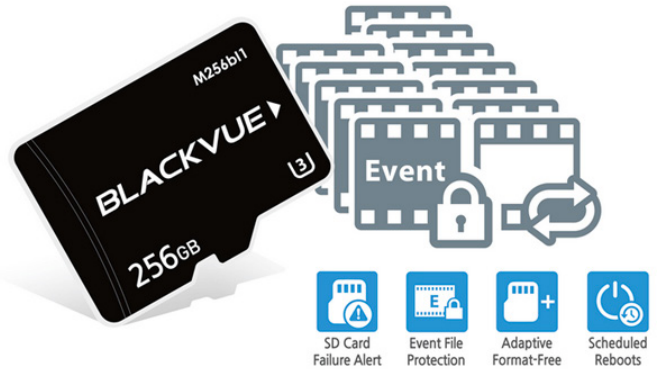


Your Videos are Safe

Event Files Overwrite Protection: dashcams record in a loop, overwriting older files when the memory is full. BlackVue DR770X-2CH can prevent Event files (triggered manually or by impacts) overwriting. Up to fifty (50) files can be protected this way. You can choose to allow new Event files to overwrite past Event files, thus keeping the latest fifty.

Adaptive Format-Free File Management: this BlackVue-developed file system improves recording stability and requires less microSD card formatting.

SD Card Failure Alert: your BlackVue detects as soon as the microSD card fails and warns you with a "Please check SD card" voice alert.



Set Up (Easily) and Forget

BlackVue dashcams are very easy to install. Attach the front unit to the windshield behind the rear view mirror with the provided double-sided tape. This way, the dashcam is invisible to the driver's eye. Simply plug the power cords into the cigarette lighter / accessory power socket of your vehicle and it will automatically start recording as you turn ignition on (no need to push any button). Once set, you can forget about it, knowing it will reliably record your drive.

Sleek Interface

Touch sensor – Tap the touch sensor to trigger Manual Event videos.
Format button – Hold to format the microSD card.
Secure microSD card access – Unplug the DC in power connector and pop the cover open to reveal the microSD card slot.

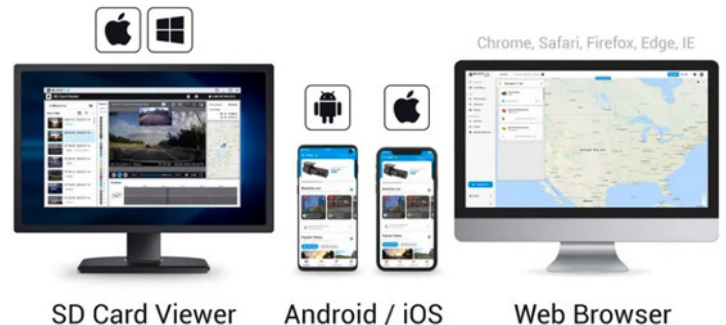


BlackVue App

(iOS, Android) and Viewer (Windows/Mac/Web)

Easily manage your video files Hardwiring cable included

Easily change your BlackVue configuration settings and browse your videos on your mobile or computer. With the BlackVue App, connect to your BlackVue to access files and check real-time Live View for easy setup of your dashcam. With the SD Card Viewer, connect your dashcam's microSD card to your computer to view and backup footage in bulk, as well as export clips, remove sound, etc. The Web Viewer lets you manage your Cloud-connected dashcams from any web browser.



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BlackVue Cloud

Me and My Car. Connected.

Connect to your BlackVue anytime, from anywhere in the world with BlackVue Cloud.

Receive Push Notifications on your phone whenever the dashcam detects an impact on your parked vehicle, and see for yourself with Remote Live View. Even better, let BlackVue upload critical footage—such as break-in or hit and run—in real time to the Cloud with Live Event Upload.

Play and download videos from your dashcam or the Cloud from anywhere and back up important videos to the free Cloud storage. Enjoy Two-way Voice Communication with the driver from the app through the BlackVue's integrated speaker and mic.



Motion & Impact Detection Parking Mode detects both:

- Motions recorded by the image sensor (marked "P" in the file list).
- Impacts detected by the accelerometer/G-sensor (marked "E" in the file list).

Choose detection regions to reduce the risk of triggering unwanted motion recordings due to trees swaying in the wind, far-away moving objects, etc.



LTE Connectivity Module (Optional)

Unlock BlackVue Cloud access. Share Wi-Fi in your car.

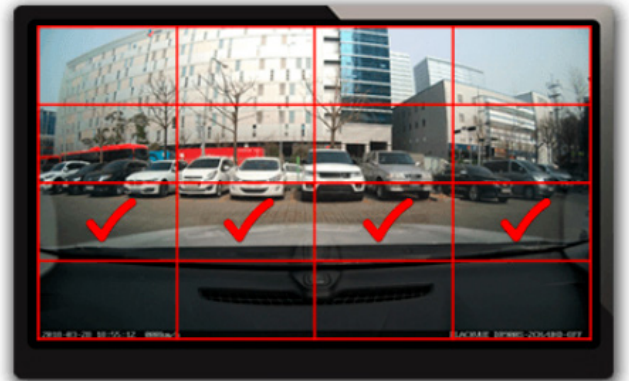
The CM100GLTE provides easy 4G LTE connectivity to enable BlackVue Cloud features. All you need is a valid Nano SIM card. The CMG100LTE is powered and connects via the USB port of your dashcam.

When connected to the CM100GLTE, BlackVue DR970X Series can serve as a mobile hotspot providing wireless Internet access to up to five devices (smartphone, tablet, etc.).



Intelligent Parking Mode

BlackVue automatically switches to Parking Mode to monitor your parked vehicle. Thanks to video buffer, the few seconds leading to triggering events are also recorded. DR770X Series supports two Parking Mode options.



Continuously records at 1FPS (one frame per second). Videos are played back at 30FPS. 1-minute Time lapse Parking Mode video = 30 minutes real time coverage. Cover a period of more than 54 hours on a 32GB microSD card front and rear at the highest (Extreme) quality setting. When an impact is detected, the dashcam creates a buffered Event video.



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