BLACKVUE™
Over the Cloud

DR750S-2CH IR
User Guide

Infrared Interior Camera

BLACKVUE

DR750S-2CH IR

› In the box

Check the box for each of the following items before installing the BlackVue dashcam.

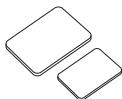|			
	Front camera		Infrared Interior/Rear camera
	Power cord		Rear camera connection cable
	Double-sided tape for the Mounting Brackets		microSD Card
	microSD card reader		User guide
	Cable clips (8 EA)		Pry tool

Need help?

Download the manual (including FAQs) and the latest firmware from **www.blackvue.com**
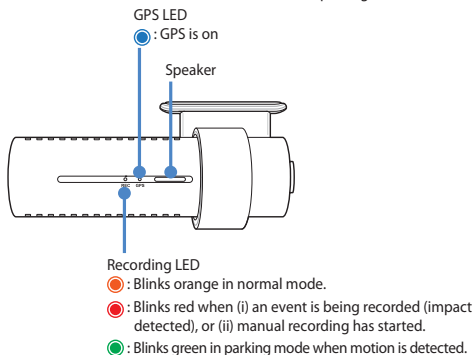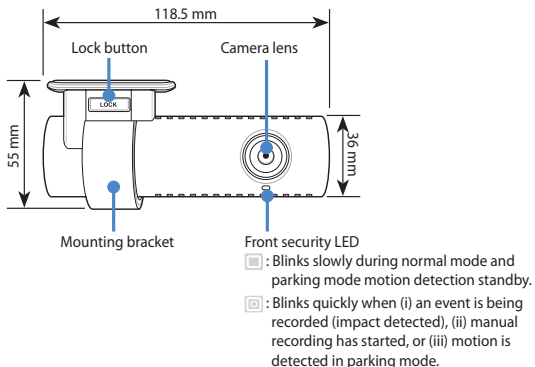
Or contact a Customer Support expert at **cs@pittasoft.com**

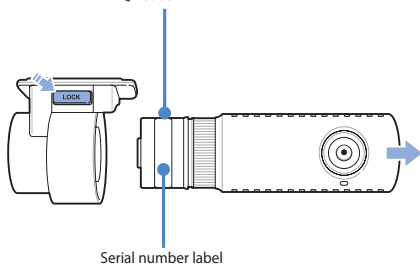*The DR750S-2CH IR model uses the same firmware as the DR750S-2CH model.

❯ At a glance

The following diagrams explain each part of the BlackVue dashcam.

▢ Front camera

118.5 mm

Lock button

Camera lens

55 mm

36 mm

Mounting bracket

Front security LED

▣ : Blinks slowly during normal mode and parking mode motion detection standby.

▣ : Blinks quickly when (i) an event is being recorded (impact detected), (ii) manual recording has started, or (iii) motion is detected in parking mode.

GPS LED
● : GPS is on

Speaker

Recording LED

● : Blinks orange in normal mode.

● : Blinks red when (i) an event is being recorded (impact detected), or (ii) manual recording has started.

● : Blinks green in parking mode when motion is detected.

Connectivity details label:
- Default Wi-Fi SSID
- Default Wi-Fi password
- Cloud code
- QR code
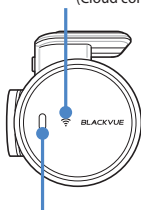
Serial number label
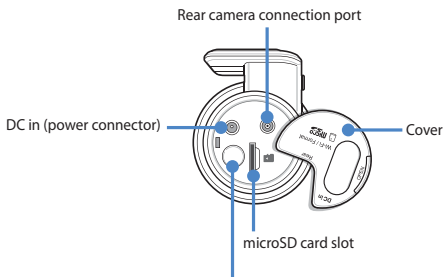
Wi-Fi/Internet LED

 : Direct Wi-Fi is on.

 : Blinks when connected to the internet (Cloud connected).
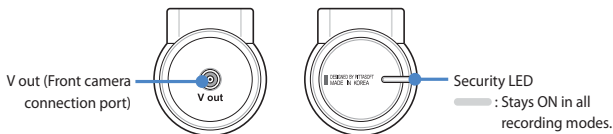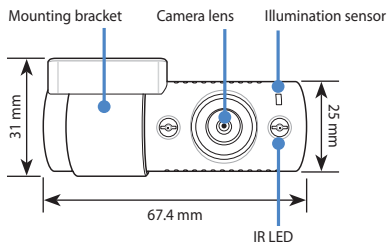
Proximity Sensor:
Touch or wave a finger within 20mm of the sensor to turn on/off audio recording. Alternatively, it can be set as a manual recording trigger in the firmware settings.

Rear camera connection port

DC in (power connector)

Cover

microSD card slot

Wi-Fi / Format button:
- Press once to turn on/off Wi-Fi.
- Press and hold for 5 seconds and once voice instructions start, release the button. Then press once again to reset the Wi-Fi SSID and password or press and hold for 5 seconds to format the microSD card.

☐ Rear/secondary camera

Mounting bracket   Camera lens   Illumination sensor

31 mm

25 mm

67.4 mm

IR LED

V out (Front camera connection port)

V out

Security LED
━━ : Stays ON in all recording modes.

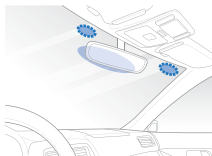The illumination sensor detects when it is dark and activates the IR LEDs for optimal interior recording.

Install and power up

Install the front camera behind the rear view mirror. Install the rear/secondary camera at the top of the front or back windshield.

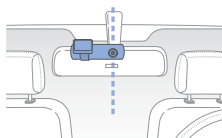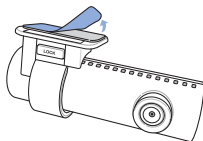Front camera   Secondary camera mounting options

⚠ **Warning**

- Do not install the product in a location where it can obstruct the driver's field of vision.

Ⓐ Turn off the engine.

Ⓑ Peel off the protective film from the double-sided tape and attach the front camera to the windshield behind the rear-view mirror.


Ⓒ Adjust the angle of the lens by rotating the body of the front camera. We recommend pointing the lens slightly downwards (≈10° below horizontal), so as to record video with a 6:4 road to background ratio.
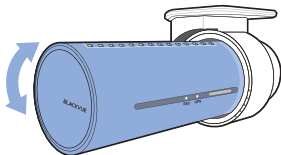
(D) Peel off the protective film from the double-sided tape and attach the rear/secondary camera to the front or rear windshield. Adjust the angle of the lens by rotating the body of the camera.
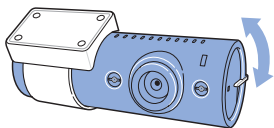
(E) Connect the front camera ('Rear' port) and the rear camera ('V out') using the rear camera connection cable.
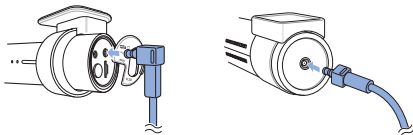
(F) Use the pry tool to lift the edges of the rubber window sealing and/or molding and tuck in the rear camera connection cable.

(G) Plug the power cord into the cigarette lighter socket and the front camera.

(H) Use the pry tool to lift the edges of the windshield trim/molding and tuck in the power cord.

Rear/secondary camera connection cable   Power cord
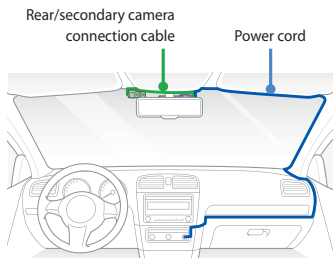
(I) Turn on the engine. The BlackVue dashcam will power up and start recording. Video files are stored on the microSD card. When the microSD card fills up, the newest video files will start to replace the oldest video files (called **loop recording**) – so you will always have the most recent video files.

(J) Turn off the engine. The dashcam will automatically stop recording and power down. To record in parking mode while the engine is off please install a **Power Magic Battery Pack** (sold separately) or a **Power Magic Pro** (sold separately). A **Power Magic Pro** powers your dashcam when the engine is off by hardwiring it to the automotive battery. A low voltage power cut-off function and a parking mode timer protect the automotive battery from discharge.

📝 **Note**

– When you run the dashcam for the first time the firmware is automatically loaded onto the microSD card. After the firmware has been loaded onto the microSD card you can customize settings using BlackVue app on a smartphone or BlackVue Viewer on a computer.

› Product specifications

Model Name	DR750S-2CH IR
Color/Size/Weight	Front: Black / Width 118.5mm x Height 36mm / 90g Rear: Black / Width 67.4mm x Height 25mm / 26g
Memory	microSD Card (16 GB/32 GB/64 GB/128 GB)
Recording Modes	Normal recording, Event recording (when impact is detected in normal and parking mode), Manual recording and Parking recording (when motion is detected) ∗ For Parking mode recording, a Parking Mode Battery Pack (Power Magic Battery Pack) or a Parking Mode Hardwiring Kit (Power Magic Pro) is required.
Camera	Front: STARVIS™ CMOS Sensor (Approx. 2.1 M Pixel) Rear: CMOS Sensor (Approx. 2.1 megapixels)
Viewing Angle	Front: Diagonal 139°, Horizontal 116°, Vertical 61° Rear: Diagonal 145°, Horizontal 118°, Vertical 59°
Resolution/Frame Rate	<Front - Rear> Full HD (1920x1080) @60fps - Full HD (1920x1080) @30fps Full HD (1920x1080) @30fps - Full HD (1920x1080) @30fps Full HD (1920x1080) @30fps - HD (1280x720) @30fps HD (1280x720) @30fps - HD (1280x720) @30fps ∗ Frame rate may vary during Wi-Fi streaming.
Image Quality	Highest, High, Normal
Video Compression Mode	MP4
Wi-Fi	Built-in (802.11n(2.4~2.4835GHz))
GPS	Built-in
Microphone	Built-in
Speaker (Voice Guidance)	Built-in
LED Indicators	Front: Recording LED, GPS LED, Wi-Fi LED, Front Security LED Rear: Rear Security LED
Wavelength of Interior camera IR light	940 nm (2 Infrared (IR) LEDs)

Button	Wi-Fi / Format button: Press once to turn on/off Wi-Fi. Press and hold for 5 seconds and once voice commands start, release the button. Then press once again to reset the Wi-Fi SSID and password or press and hold for 5 seconds to format the microSD card. Proximity sensor: Touching the proximity sensor turns on/off audio recording or triggers manual recording depending on the firmware settings.
Sensor	3-Axis Acceleration Sensor
Backup Battery	Built-in super capacitor
Input Power	DC 12 V – 24 V (DC Plug: ⊖◉⊕ (Ø3.5 x Ø1.35), MAX 1 A/ 12 V)
Power Consumption	Avg. 370 mA (4.4 W at 12 V, when GPS and Wi-Fi is On) Avg. 310 mA (3.72 W at 12 V, when GPS and Wi-Fi is Off) * Approx. 60mA increase in current when IR LEDs are ON. * Actual power consumption may vary depending on use conditions and environment.
Operation Temperature	-20 °C – 70 °C (-4 °F – 158 °F)
Storage Temperature	-20 °C – 70 °C (-4 °F – 158 °F)
High Temperature Cut-Off	Approx. 80 °C (176 °F)
Certifications	FCC, CE, RoHS, Telec, WEEE, IC
Software	BlackVue Viewer * Windows XP or higher and Mac Yosemite OS X (10.10) or higher
Application	BlackVue Application (Android 4.4.2 or higher, iOS 9.0 or higher)
Others	Adaptive Format Free File Management System

* STARVIS is a trademark of Sony Corporation.

The DR750S-2CH IR model uses the same firmware as the DR750S-2CH model and has all of the same great features. For more information about using the DR750S-2CH IR, please download the DR750S-2CH manual from www.blackvue.com > Support > Downloads.

Product	┃	Car Dashcam
Model Name	┃	DR750S-2CH IR
Manufacturer	┃	Pittasoft Co., Ltd. / South Korea
Address	┃	7F, BYC HIGHCITY Building A 131, Gasan Digital 1-ro, Geumcheon-gu, Seoul, Republic of Korea, 08506
Customer Support	┃	cs@pittasoft.com
Product Warranty	┃	One-Year Limited Warranty

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