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DR590X-2CH IR User Guide

Infrared Interior Camera



ENGLISH

www.blackvue.com

BLACKVUE

DR590X-2CH IR

For manuals, customer support and FAQs go to www.blackvue.com

Autogoods "130"

In the box

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



Front camera



Infrared Interior/IR Rear camera



Cigarette lighter power cable



Rear camera connection cable



Quick start quide



Cable clips (5 EA)



microSD Card



microSD card adapter



Double-sided tape for the Mounting Brackets



Hardwiring power cable (Optional)



External GPS - USB Type (Optional)

Need help?

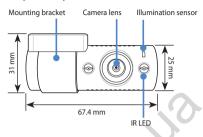
Download the manual (including FAQs) and the latest firmware from www.blackvue.com Or contact a Customer Support expert at cs@pittasoft.com

Autogoods "130"

The DR590X-2CH IR model uses the same firmware as the DR590X-2CH model.

At a glance

The following diagrams explain each part of the infrared interior camera.





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

STEP 1 Install and power up

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

Front camera



Infrared interior camera



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.





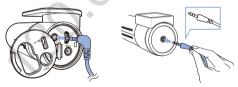
Adjust the angle of the lens by rotating the body of the front camera. We recommend pointing the lens slightly downwards (≈10° below horizontal), so as to record video with a 6:4 road to background ratio.



Peel off the protective film from the double-sided tape and attach the interior/rear camera to the front or rear windshield. Adjust the angle of the lens by rotating the body of the camera.

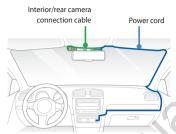


Connect the front camera ('Rear' port) and the rear camera ('V out') using the rear camera connection cable.



- (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 cigarette lighter power cable into the cigarette lighter socket and the front camera. Skip to (k) for Hardwiring Power Cable setup.

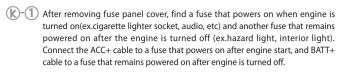
Use the pry tool to lift the edges of the windshield trim/molding and tuck in the power cord.



- Turn on the engine. The BlackVue dashcam will power up and start recording. Video files are stored on the microSD card.
- Turn off the engine. The dashcam will automatically stop recording and power down. To record in parking mode while the engine is off please connect the Hardwiring Power Cable (Optional) or install a Power Magic Battery Pack (sold separately). A Hardwiring Power Cable (Optional) uses the automotive battery to power your dashcam when the engine is off. A low voltage power cut-off function and a parking mode timer to protect the automotive battery from discharge is installed in the device. Settings can be changed in the BlackVue App or Viewer.
- Locate the fuse box to connect the hardwiring power cable.

Note

 Location of the fuse box differ by manufacturer or model. For details, refer to the vehicle owner's manual.





Note

- To use battery saver feature, connect the BATT+ cable to the hazard light fuse. Functions of fuse differ by manufacturer or model. For details refer to the vehicle owner's manual
- (Connect the GND cable to metal ground bolt.



Connect the power cable to the DC in terminal of the front camera. BlackVue will power up and start recording. Video files are stored on the microSD card.

📝 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 the BlackVue app on a smartphone or BlackVue Viewer on a computer.

Product specifications

□ DR590X-2CH IR

Model Name	DR590X-2CH IR			
Color/Size/Weight	Front: Black/Width 111.8 mm x Height 34 mm/87.8 g Rear: Black/Width 67.4 mm x Height 25 mm/20.3 g			
Memory	microSD Card (32 GB/64 GB/128 GB/256 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) * When using Hardwiring Power Cable, ACC+ will trigger parking mode. When using other methods, G-sensor witrigger parking mode.			
Camera	Front: STARVIS™ CMOS Sensor (Approx. 2.1 megapixels) Rear: CMOS Sensor (Approx. 2M Pixel)			
Viewing Angle	Front: Diagonal 139°, Horizontal 116°, Vertical 61° Rear: Diagonal 136.8°, Horizontal 111.3°, Vertical 57.5°			
Resolution/Frame Rate	<front -="" rear=""> Full HD @30fps - Full HD @30fps * Frame rate may vary during Wi-Fi streaming.</front>			
Image Quality	Highest, High, Normal			
Video Compression Mode	MP4			
Wi-Fi	Built-in (802.11 b.g.n)			
GPS	External (Optional - Dual Band: GPS, GLONASS)			
LTE	External (Optional - Cat.M1)			

Microphone	Built-in			
Speaker (Voice Guidance)	Built-in			
LED Indicators	Front: Recording LED, GPS LED, LTE/Wi-Fi LED, Front Security LED Rear: Security LED			
Wavelength of Interior camera IR light	940 nm (2 Infrared (IR) LEDs)			
Button	Wi-Fi button: Press once to turn on/off Wi-Fi.			
Sensor	3-Axis Acceleration Sensor			
Backup Battery	Built-in super capacitor			
Input Power	DC 12V-24V (DC Plug (Ø3.5 x Ø1.1)) to Wires (Black: GND/ Yellow: B+/Red: ACC)			
Power Consumption	Normal Mode (WiFi On/GPS On): 370mA/hour Normal Mode (WiFi Off/GPS On): 330mA/hour Parking Mode (WiFi On/GPS Off): 340mA/hour Parking Mode (WiFi Off/GPS Off): 300mA/hour When connected to CM100GLTE-M (Optional) Normal Mode (WiFi On/GPS On): 440mA/hour Normal Mode (WiFi Off/GPS On): 400mA/hour Parking Mode (WiFi On/GPS Off): 370mA/hour Parking Mode (WiFi Off/GPS Off): 330mA/hour * Approx. 40mA 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 – 80 °C (-4 °F – 176 °F)			
High Temperature Cut-Off	Approx. 70 °C (158 °F)			
Certifications	Front: FCC, CE, RoHS, Telec, WEEE, IC Rear: FCC, CE, RoHS, WEEE			
Software	BlackVue Viewer * Windows 7 or higher and Mac Yosemite OS X (10.10) or higher			
Application	BlackVue Application (Android 5.0 or higher, iOS 9.0 or higher)			
Other Features	Adaptive Format Free File Management System			

^{*} STARVIS is a trademark of Sony Corporation.

Product Warranty

- The term of this product warranty is 1 year from the purchase date. (Accessories such as an External Battery/microSD Card: 6 Months)
- We, PittaSoft Co., Ltd., provide the product warranty according to the Consumer Dispute Settlement Regulations (drawn up by the Fair Trade Commission). PittaSoft or designated partners will provide the warranty service upon request.

Circumstances			Warranty	
			Within the Term	Outside of the Term
For performance/ functional problems under normal use conditions	For serious repair required within 10 days of purchase		Exchange/ Refund	N/A
	For serious repair required within 1 month of purchase		Exchange	
	For serious repair required within 1 month of exchange		Exchange/ Refund	
	When not exchangeable		Refund	
		For Defect	Free Repair	Paid Repair/ Paid Product Exchange
	Repair (If Available)	Repeated problem with the same defect (up to 3 times)	Exchange/ Refund	
		Repeated trouble with different parts (up to 5 times)		
	Repair (If Unavailable)	For the loss of a product while being serviced/repaired		Refund after depreciation plus an additional 10% (Maximum: purchase price)
		When repair is unavailable due to lack of spare parts within the component holding period		
		When repair is unavailable even when spare parts are available		Exchange/ Refund after depreciation
unreasonable - Malfunction & third party, an - Malfunction & consumables, 2) Other Cases - Malfunction d - Expired life sp	damage caused by operation, etc.) or ca damage after being d not through Pittas damage due to the or separately sold pa	serviced/repaired by an unauthorized oft's Authorized Service Center. use of unauthorized components, arts rs (fire, flood, earthquake, etc.) part	Paid Repair	Paid Repair

This warranty is only valid in the country where you purchased the product.

Notes

Notes

Notes





FCC ID: YCK-DR590X-2CH / HVIN: DR590X-2CH IF

Product | Car Dashcam Model Name | DR590X-2CH IR

Manufacturer | Pittasoft Co., Ltd. / South Korea

Address 4F ABN Tower, 331, Pangyo-ro, Bundang-gu, Seongnam-si,

Gyeonggi-do, Republic of Korea, 13488

Customer Support | cs@pittasoft.com

Product Warranty | One-Year Limited Warranty

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