



DR750X-3CH DMS Plus User Guide

Driver Monitoring Camera



Cloud Dashcam with Driver Monitoring System

ENGLISH

www.blackvue.com

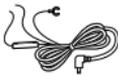
BLACKVUE

DR750X-3CH DMS Plus

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

In the box

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

	Front camera		Rear camera		DMS Camera
	Front camera hardwiring power cable (3p)		Cigarette lighter power cable		DMS hardwiring power cable (2p)
	Rear camera connection cable		USB cable (3m)		Quick start guide
	Double-sided tape for the front/rear mounting brackets		Double-sided tape for the USB Hub		Double-sided tape for the DMS mounting brackets
	microSD card reader		USB Hub		Allen wrench
	microSD card (2EA)		Cable clips (12 EA)		DMS bracket mounting screw (4EA)
	Pry tool		CM100LTE (Optional)		

Need help?

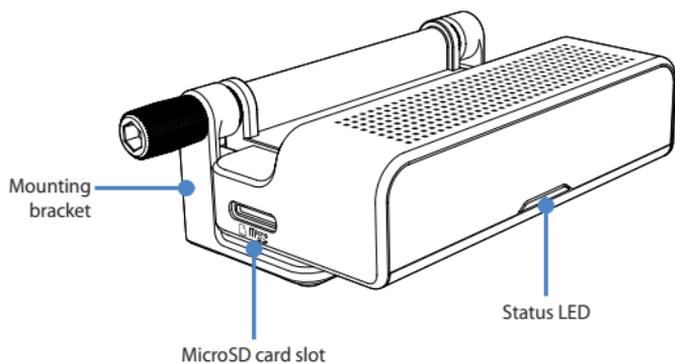
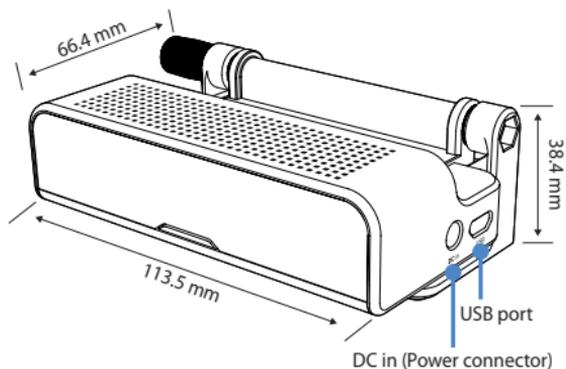
Download the manual (including FAQs) and the latest firmware from www.blackvue.com

Or contact a Customer Support expert at cs@pittasoft.com

* The DR750X-3CH DMS Plus uses the same firmware as the DR750X-3CH Plus.

At a glance

The following diagrams explain each part of the BlackVue DMS camera.



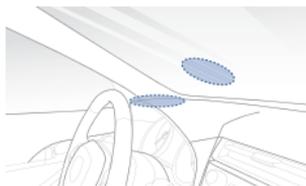
Install and power up

Install the front camera behind the rear view mirror. Install the DMS camera on the driver's dashboard or front windshield. Install the rear camera at the top of the rear windshield. Remove any foreign matter and clean and dry the installation area before setup.

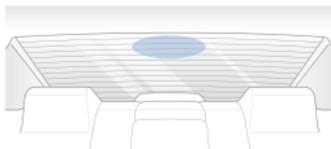
Front camera



DMS camera (Sedan)



Rear camera



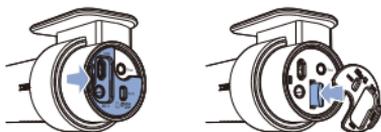
DMS camera (Truck)



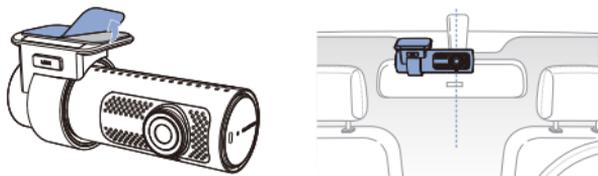
Warning

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

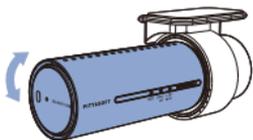
- A** Turn off the engine. Open the cover of the microSD card slot, gently push the card into the slot until it locks into place and close the cover.



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



- C** Adjust the angle of the lens by rotating the body of the front camera. We recommend pointing the lens slightly downwards ($\approx 10^\circ$ below horizontal), so as to record video with a 6:4 road to background ratio.



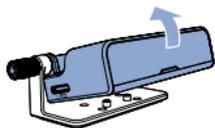
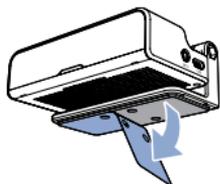
- D** Insert the microSD card into the DMS



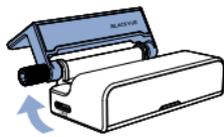
Note

- Recorded videos from DMS are saved to the microSD card on the front dashcam.
- The microSD card of the DMS camera is for firmware update purposes only.

- E** Peel off the double-sided tape and attach the DMS camera to the dashboard or bottom of the front windshield. Adjust the angle of the lens by rotating the DMS camera. Point the lens so that your face is visible on the DMS camera.

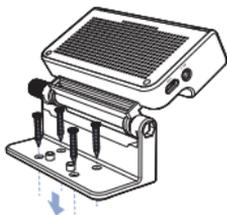


Dashboard installation



Windshield installation

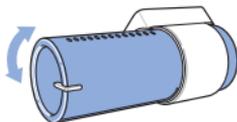
(Optional) For more secure attachment to the dashboard, use the screws included in the box.



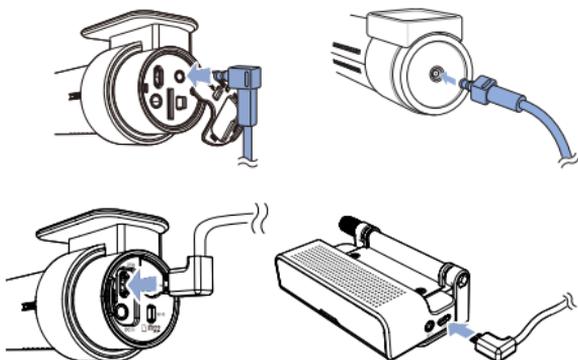
Note

- Depending on the mounting position of the product, DMS functions may not operate normally.

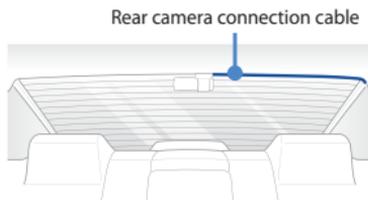
- F** Peel off the protective film from the double-sided tape and attach the rear camera to the rear windshield. Adjust the angle of the lens by rotating the body of the rear camera.



- Ⓒ Connect the front camera (USB port) and the infrared DMS camera ('V out') using the USB connection cable. Connect the front camera ('Rear' port) and the rear camera ('V out') using the rear camera connection cable.

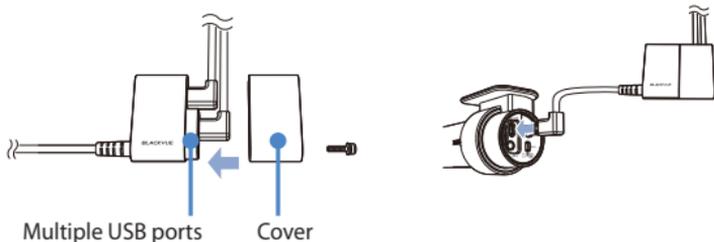


- Ⓓ Use the pry tool to lift the edges of the rubber window sealing and molding and tuck in the rear camera connection cable.



- ① **Connectivity Module (Optional-sold separately):** If you want to use the DMS camera and the connectivity module at the same time, use the USB hub (included in the package).

Connect the USB cables of the DMS camera and the connectivity module to the hub. When the cables are all connected, close the cover of the hub and use the Allen wrench to tighten the screw. After that, connect the hub to the front camera and attach it to the behind of the rear-view mirror. Attach the connectivity module to the top corner of the windshield. Use the pry tool to tuck in the cables.

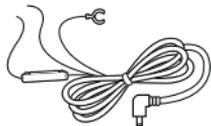


- ② (Optional) Plug the cigarette lighter power cable into the cigarette lighter socket and the front camera. Skip to ③ for Hardwiring Power Cable setup.
- ③ Locate the fuse box to connect the hardwiring power cable.

Note

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

- K-1** After removing fuse panel cover, find a fuse that powers on when engine is turned on (ex. cigarette lighter socket, audio, etc) and another fuse that remains powered on after the engine is turned off (ex. hazard light, interior light). Connect the ACC+ cable to a fuse that powers on after engine start (Front camera hardwiring cable (3p)) and BATT+ cable to a fuse that remains powered on after engine is turned off (Front camera hardwiring cable (3p) + DMS camera hardwiring cable (2p)).



Front camera hardwiring cable (3p)

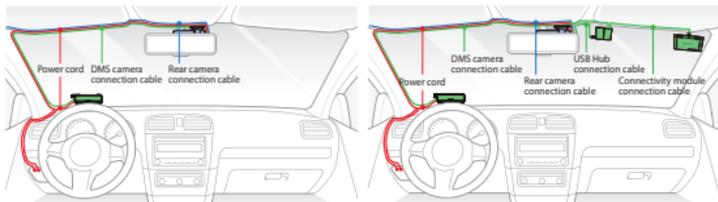


DMS camera hardwiring cable (2p)

- K-2** Connect the GND cable to metal ground bolt (Front camera hardwiring cable (3p) + DMS camera hardwiring cable (2p)).



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



- M** Connect the power cable to the DC in terminal of the front and DMS cameras. 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 BlackVue Viewer on a computer.
- To record in parking mode while the engine is off, connect the **Hardwiring Power Cable** (included in the box) or install a **Power Magic Battery Pack** (sold separately). A Hardwiring Power cable 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

▶ Driver Monitoring System Features

Functions	Descriptions	LED indication	Beep Alert
Power on/booting	System resetting and booting after power on	 (Blinking)	O
Face detected	Detects the face within the range of 30 degrees to top, bottom, left, and right based on the center of the lens.	 (On)	X
Face undetected	When driver is out of detection range, face is undetected. Beep alert will be triggered if status is maintained for 60 seconds.	 (Blinking)	O
Drowsiness	When driver's eyes are closed for more than a second, drowsiness is detected. When driver's eyes are kept closed after first alert secondary alarm is triggered.	 (On)	O
Distraction	When driver is looking sideways for more than 2.5 seconds, distraction is detected.	 (On)	O
Power off	DMS camera is turned off when power cable is disconnected, dashcam is turned off, or entered in to parking mode.	X	X

**Note**

- If DMC100 operation is set to **During driving only**, it will detect the driver when driving at least 5 km/h.
- Pittasoft cannot be held responsible or liable for accidents occurring while DMC100 is in operation.
- To prevent accidents, you must take measures to cease driving and take a rest if you feel drowsy or tired while driving, whether or not DMC100 detects drowsiness.

Product Specifications

Model Name	DR750X-3CH DMS Plus
Color/Size/Weight	Front: Black/(W) 118.5 mm x (H) 36 mm/105 g Rear: Black/(W) 67.4 mm x (H) 25 mm/25 g DMS camera: Black/(L) 113.5mm x (H) 38.4mm/139 g
Memory	Front: microSD Card (32 GB/64 GB/128 GB/256 GB) DMS camera: microSD Card (32 GB)
Camera	Front: STARVIS™ CMOS Sensor (Approx. 2.1 M Pixel) Rear: STARVIS™ CMOS Sensor (Approx. 2.1 M Pixel) DMS camera: CMOS Sensor (Approx. 1M Pixel)
Viewing Angle	Front: Diagonal 139°, Horizontal 116°, Vertical 61° Rear: Diagonal 139°, Horizontal 116°, Vertical 61° DMS camera: Diagonal 54°, Horizontal 43°, Vertical 32°
Resolution/ Frame Rate	<Front - Rear - DMS camera> Full HD @60fps - Full HD @30fps - HD @10fps * Frame rate may vary during Wi-Fi streaming
Codec	* Video: H.264 (AVC) * Audio: mp3
Image Quality	Highest (Extreme), Highest, High, Normal
Video Compression Mode	MP4
Speaker	Front: Built-in DMS camera: Built-in
LED Indicators	Front: Recording LED, GPS LED, LTE/Wi-Fi LED, Front Security LED, Proximity Sensing LED Rear: Rear Security LED DMS camera: Status LED

Wavelength of DMS IR light	940 nm (4 Infrared (IR) LEDs)
Input Power	<ul style="list-style-type: none"> * Front DC 12V-24V (DC Plug (Ø3.5 x Ø1.1)) to Wires (Black: GND/ Yellow: B+/Red: ACC) * DMS camera DC 12V-24V (DC Plug (Ø3.5 x Ø1.35)) to Wires (Black: GND/ Yellow: B+)
Power Consumption	<p>Normal Mode (WiFi On/GPS On/3CH): Avg. 695mA/12V Normal Mode (WiFi Off/GPS On/3CH): Avg. 655mA/12V Parking Mode (WiFi On/GPS Off/3CH): Avg. 385mA/12V Parking Mode (WiFi Off/GPS Off/3CH): Avg. 355mA/12V</p> <ul style="list-style-type: none"> * Actual power consumption may vary depending on use conditions and environment. * Approximately, 60mA may increase in electric current when IR LED is turned ON.
Operation Temperature	-20°C ~ 70°C/-4°F ~ 158°F
Storage Temperature	-20°C ~ 85°C/-4°F ~ 185°F
High Temperature Cut-Off	Approx. 75 °C (167 °F)
Certifications	<p>Front: FCC, ISED, CE, UKCA, RoHS, Telec, WEEE Rear: FCC, ISED, CE, UKCA, RCM, RoHS, WEEE DMS camera: FCC, CE, UKCA, RoHS, WEEE</p>
Software	<p>BlackVue Viewer</p> <ul style="list-style-type: none"> * Windows 7 or higher and Mac OS X Sierra (10.12) or higher
Application	BlackVue Application (Android 5.0 or higher, iOS 11.0 or higher)

Notes

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, PittoSoft Co., Ltd., provide the product warranty according to the Consumer Dispute Settlement Regulations (drawn up by the Fair Trade Commission). PittoSoft 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		
	Repair (If Available)	For Defect	Free Repair	Paid Repair/ Paid Product Exchange
		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	Exchange/ Refund	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		Exchange/ Refund after depreciation
		When repair is unavailable even when spare parts are available		
1) Malfunction due to customer fault <ul style="list-style-type: none"> - Malfunction & damage caused by user negligence (fall, shock, damage, unreasonable operation, etc.) or careless use - Malfunction & damage after being serviced/repaired by an unauthorized third party, and not through PittoSoft's Authorized Service Center. - Malfunction & damage due to the use of unauthorized components, consumables, or separately sold parts 		Paid Repair	Paid Repair	
2) Other Cases <ul style="list-style-type: none"> - Malfunction due to natural disasters (fire, flood, earthquake, etc.) - Expired life span of a consumable part - Malfunction due to external reasons 				

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



020-210034

FCC ID: YCK-DR750XP / HVIN: DR750X-3CH DMS Plus / IC: 23402-DR750XP

Product	Car Dashcam
Model Name	DR750X-3CH DMS Plus
Manufacturer	Pittasoft Co., Ltd.
Address	4F ABN Tower, 331, Pangyo-ro, Bundang-gu, Seongnam-si, Gyeonggi-do, Republic of Korea, 13488
Customer Support	cs@plttasoft.com
Product Warranty	One-Year Limited Warranty

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