Manuals+ — User Manuals Simplified.

BLACKVUE External Connectivity Module User Guide

Contents

User Guide

BLACKVUE External Connectivity Module (CM100LTE)

In the box

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

	Connectivity module		SIM eject tool
	Cable Clips (4ea)		Double-side tape
	User guide		SIM activation guide
	Screw Driver		

At a glance

The following diagram explains details of the external connectivity module.

60mm

10mm

90mm

SIM slot cover

Install and power up

Install the connectivity module at top corner of the windshield. Remove any foreign matter and clean and dry the windshield before installation.

⚠️ **Warning:** Do not install the product in a location where it can obstruct the driver's field of vision.

- Turn off the engine.
- Unscrew the bolt that locks the SIM slot cover on connectivity module. Remove the cover, and unmount the SIM slot using the SIM eject tool. Insert the SIM card into the slot.
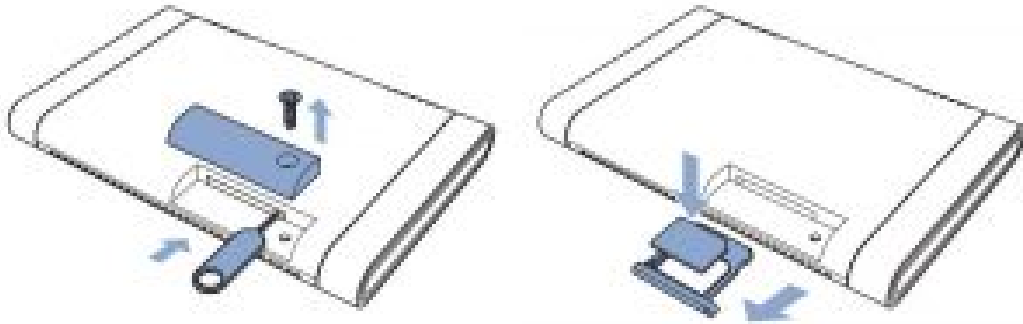
- Peel off the protective film from the double-sided tape and attach the connectivity module to the top corner of the windshield.
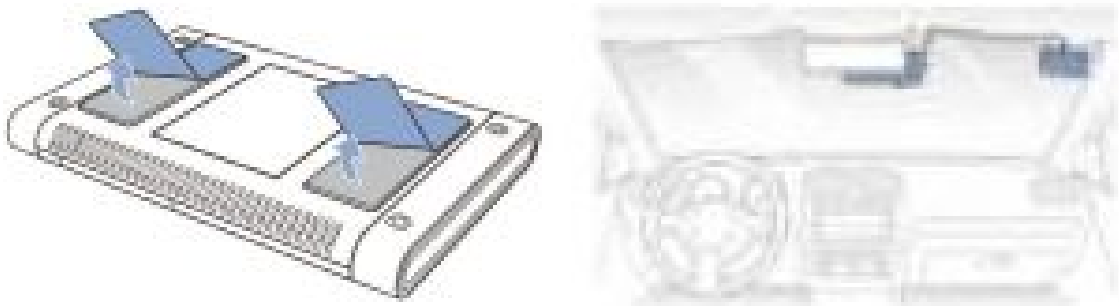
- Connect the front camera (USB port) and the connectivity module cable (USB).

- Use the pry tool to lift the edges of the windshield trim/molding and tuck in the connectivity module cable.
- Turn on the engine. The BlackVue dashcam and connectivity module will power up.

Note

- For full details on installing the dashcam on your vehicle, refer to the "Quick Start Guide" that is included in the BlackVue dashcam package.
- SIM card must be activated to use LTE service. For details, refer to the SIM Activation Guide.

Product specifications

CM100LTE

Model Name	CM100LTE
Color/Size/Weight	Black / Length 90 mm x Width 60 mm x Height 10 mm / 74g
LTE Module	CM100LTE [GL] : Quectel EC25-E CM100LTE [NA] : Quectel EC25-A CM100LTE [JP] : Quectel EC25-J CM100LTE [AU] : Quectel EC25-AU
LTE Supported Band	EC25-E : B1/B3/B5/B7/B8/B20 EC25-A : B2/B4/B12 EC25-J : B1/B3/B8/B18/B19/B26 EC25-AU : B1/B2/B3/B4/B5/B7/B8/B28
LTE Features	Support up to Non-CA CAT. 4 FDD and TDD LTE-FDD : Max 150Mbps(DL) / Max 50Mbps(UL) LTE-TDD : Max 130Mbps(DL) / Max 30Mbps(UL)
Transmitting Power	Class 3 : 23dBm +/-2dBm @ LTE-FDD Bands Class 3 : 24dBm +1/-3dBM @ WCDMA Bands

SIM Type	Support Nano SIM Card / 3.0V
Connector Type	Micro USB Type-B Connector with Harness Cable
USB Interface	Compliant with USB 2.0 specification(Slave Only), Reach up to 480Mbps for data transfer rate
Antenna Type	Fixed / Intenna (Main, Diversity)
Power Supply	USB Harness Cable : 3.0m Typical Supply Voltage : 5.0V / 1A Supply Input Voltage : 3.3V ~ 5.5V / Max. Current : 2A
Power Consumption	Idle Mode : 20mA / Traffic Mode : 570mA @ Max. Power (23dBm)
Temperature Range	Operation Temperature Range : -35°C ~ +75°C Storage Temperature Range : -40°C ~ +85°C
Certifications	PTCRB, FCC, ISED, RCM, TELEC, WEEE, RoHS

APPENDIX – PRODUCT SPECIFICATION

CM100LTE

Function	Operating Frequency	Output Power
UMTS FDD 1	1920-1980 MHz	24.00 dBm
UMTS FDD 8	880-915 MHz	24.00 dBm
E-UTRA FDD 1	1920-1980 MHz	23.00 dBm
E-UTRA FDD 3	1710-1785 MHz	23.00 dBm
E-UTRA FDD 7	2500-2570 MHz	23.00 dBm
E-UTRA FDD 8	880-915 MHz	23.00 dBm
E-UTRA FDD 20	832-862 MHz	23.00 dBm

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 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 performance/ functional problems under normal use conditions	Repair (If Available)	For Defect	Free Repair	Paid Repair/ Paid Product Exchange
		Repeated problem with the same defect (up to 3 times)		
		Repeated trouble with different parts (up to 5 times)		

	For the loss of a product while being serviced/repaired	Exchange/ Refund	Refund after depreciation plus an additional 10% (Maximum: purchase price)
Repair (If Unavailable)	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
1) Malfunction due to customer fault - 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 Pittasoft's Authorized Service Center. - Malfunction & damage due to the use of unauthorized components, consumables, or separately sold parts 2) Other Cases - Malfunction due to natural disasters (fire, flood, earthquake, etc.) - Expired life span of a consumable part - Malfunction due to external reasons		Paid Repair	Paid Repair

This warranty is only valid in the country where you purchased the product.
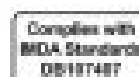
FCC ID: YCK-CM100LTE / Contains FCC ID: XMR201605EC25A / Contains IC ID: 10224A-201611EC25A

Declaration of Conformity
Pittasoft declares that this device complies with the essential requirements and relevant provisions of Directive 2014/53/EU

Go to **www.blackvue.com/doc** to view the Declaration of Conformity.

Product	External Connectivity Module
Model Name	CM100LTE
Manufacturer	Pittasoft Co., Ltd.
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

facebook.com/BlackVueOfficial

instagram.com/blackvueofficial

www.blackvue.com

Made in Korea

Documents / Resources

	BLACKVUE External Connectivity Module [pdf] User Guide External Connectivity Module, CM100LTE

References

- 4K Cloud Dash Cams for Cars and Trucks - BlackVue - BlackVue Dash Cameras
- Declaration Of Conformity - BlackVue Dash Cameras

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