



CM100LTE User Guide

External Connectivity Module



ENGLISH

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BLACKVUE

CM100LTE

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> 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



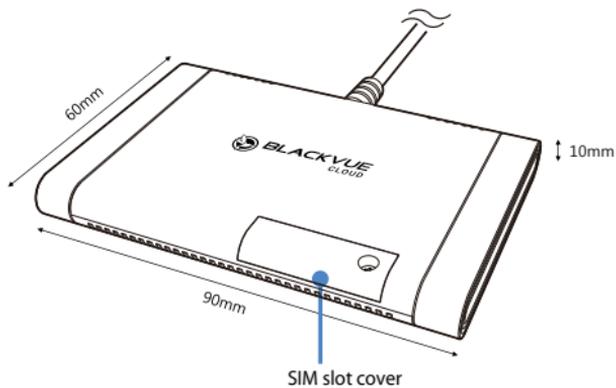
SIM activation guide



Screw Driver

► At a glance

The following diagram explains details of the external connectivity module.



► 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.

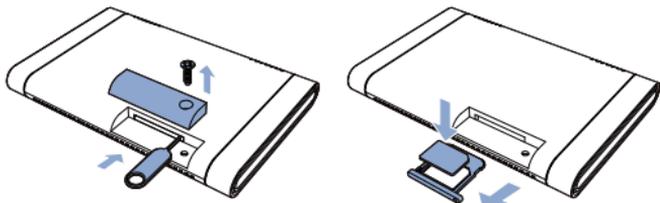


⚠ Warning

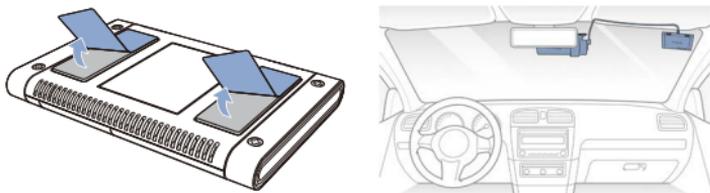
- Do not install the product in a location where it can obstruct the driver's field of vision.

A Turn off the engine.

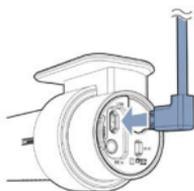
B Unscrew the bolt that locks the SIM slot cover on connectivity module. Remove the cover, and unmount the SIM slot using the SIM eject tool. Insert the SIM card into the slot.



- C Peel off the protective film from the double-sided tape and attach the connectivity module to the top corner of the windshield.



- D Connect the front camera (USB port) and the connectivity module cable (USB).



- E Use the pry tool to lift the edges of the windshield trim/molding and tuck in the connectivity module cable.

- F 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 +/-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, TELECOM, 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 |

Notes

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 | | |
| | | When repair is unavailable even when spare parts are available | | Exchange/ Refund after depreciation |
| 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.



R 211-161102

Complies with
IMDA Standards
DB107407

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

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