



KartaDashcam

Designed by GrabTaxi Holdings Pte. Ltd,

Address: 3 Media CI, Singapore 138498

Assembled in China

Product Overview

KartaDashcam empowered the in-car eco system with best-in-class hardware and software platforms. Together with other smart IoT devices, KartaDashcam can offer advanced safety features to drivers, e.g. video proof, incident recording, SOS emergency service, incident risk alert. On the other hand, Fleet administrators can also benefit from the 7&24h footage of assets to significantly improve the fleet management efficiency.



Detail specification

<u>General specifications</u>	
Product type	KartaDashcam
Dimension(L*W*H)	125mm*80mm*42mm
Weight	314g (Without cable and inward camera)
Power supply	12V-24VDC, Max 2.0A
Housing	Color: Black Material: PC+ABS/ PC+10%GF

<u>Technical specifications</u>	
Main processor	Qualcomm® QCS6490, 6nm technology, 8GB RAM
Outward Camera	F2.0, 2K@30fps (2560*1440), DFOV:134° HFOV:113°,VFOV:60°,
Inward Camera	F2.0, 1080P@25fps, DFOV:180°/152°/83°, infrared LED supported
GPS	L1 band: GPS/GLONASS/Galileo/BeiDou/QZSS/SBAS L5 band: GPS/Galileo/ BeiDou/IRNSS With interior and exterior antennas, Accuracy of 1-3m Up to 10Hz, Max. 135 satellites tracking
2G/3G/4G SEA (ASR)	SLM770A-HCE for SEA LTE FDD:B1/3/5/7/8/20/28, Max Conducted power: 25dBm LTE TDD: B38/40/41, Max Conducted power: 25dBm WCDMA:B1/8, Max Conducted power: 25dBm GSM900, Max Conducted power: 33dBm±2dBm DCS1800, Max Conducted power: 30dBm±2dBm

2G/3G/4G SEA (QC)	SLM750-VE for SEA LTE FDD: B1/3/5/7/8/20, Max Conducted power: 25dBm LTE TDD: B40, Max Conducted power: 25dBm WCDMA: B1/5/8, Max Conducted power: 25dBm GSM900, Max Conducted power: 33dBm±2dBm DCS1800, Max Conducted power: 30dBm±2dBm
2G/3G/4G US (QC)	SLM750-VA for US LTE FDD: B2/4/5/12/13/17/18/25/26, Max Conducted power: 25dBm LTE TDD: B41, Max Conducted power: 25dBm WCDMA: B2/4/5, Max Conducted power: 25dBm CDMA&EVDO: BC0/BC1, Max Conducted power: 24dBm GSM850, Max Conducted power: 33dBm±2dBm PCS1900, Max Conducted power: 30dBm±2dBm
Bluetooth	Bluetooth V5.2 of 1, 2, and 3 Mbps, Max Conducted Power: <10dBm Supports Bluetooth V5.0+EDR and Low Energy (BLE) Frequency: 2.402GHz ~ 2.480 GHz
Wi-Fi	802.11 a/b/g/n/ac/ax, support Wi-Fi 6 2.4GHz~2.4835GHz, 5.15GHz~5.85GHz Max Conducted power 2.4 GHz: <20 dBm for CE/FCC Max Conducted power 5.8 GHz: <14 dBm for CE/FCC
OBD	Support for all legislated OBD-II protocols: ISO 15765-4 (CAN) with OBD connection kits
IMU	3-axis Accelerometer 3-axis Gyroscope
Storage	Inbuilt 128G UFS FHD outward loop recording, ~8h

<u>IO ports and accessories</u>	
Main Hard Wiring kits	Hard Wiring kits, including • DC 12V power supply • ACC • SOS physical button x 1
OBD connection kits (Optional)	OBD connector which can be connected to OBD port of car • CAN H and L
Cigarette port connection cable (Optional)	Connect to Cigarette port directly • DC 12V power supply • SOS physical button x 1
SIM	NANO SIM
SD Card	Micro SD
SMA female Connector 1 (Optional)	GPS external antenna for better location
SMA female Connector 2 (Optional)	LTE external antenna for better connectivity

<u>Operation</u>		
On-device LED status	Stable GREEN ON	System works normally
	Stable RED ON	Device Abnormal
	Flashing GREEN (0.5Hz)	Recording is working
	Flashing of RED (2Hz)	SOS emergency recording
	All LED OFF	No power supply
Reset button	Press to reset the device	Reset the device from the code start
Function button	Physical buttons	Turn ON/OFF the WIFI
Operation via Companion APP	Live stream video preview	Outward
	Playback outward video recording	All recorded video lists are organized by trip
	Parameter setting	APN WIFI name and password

<u>Environmental</u>	
Operation temperature and humidity	-10~50 °C, 95% without condensation
Storage temperature and humidity	-20~70 °C, 100% without condensation
Protection	IP20

<u>Compliance and certification</u>	
Directive compliance	Directive 2014/53/EU
Standard compliance	EN 55032: 2015+A11:2020+A1:2020, EN 61000-3-3: 2013+ A1:2019+A2:2021, EN IEC 61000-3-2: 2019+A1:2021, EN 55035: 2017+A11:2020, EN 301 489-1 V2.2.3, EN 301 489-3 V2.3.2, EN 301 489-17 V3.2.4, EN 301 489-19 V2.2.1, EN 301 489-52 V1.2.1, EN 302 502 V2.1.1, EN 303 413 V1.2.1, EN 300 440 V2.2.1, EN 301 893 V2.1.1, EN 300 328 V2.2.2, EN 301 511 V12.5.1, EN 301 908-1 V15.1.1, EN 301 908-2 V13.1.1, EN 301 908-13 V13.2.1, EN IEC 62311:2020, EN IEC 62368-1:2020+A11:2020.
ROHS	Directive 2011/65/EU Annex II amending Annex (EU)2015/863
CAUTION: RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.	

Note

5150-5350 MHz are restricted to indoor use only.

or

The functions of Wireless Access Systems including Radio Local Area Networks(WAS/RLANs) within the band 5150-5350 MHz for this device are restricted to indoor use only within all European Union countries (BE/BG/CZ/DK/DE/EE/IE/EL/ES/FR/HR/ IT/CY/LV/LT/LU/HU/MT/NL/AT/PL/PT/RO/SI/SK/FI/SE/TR/N O/CH/IS/LI/UK(NI)

FCC Compliance Statements

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Caution: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

RF Exposure Compliance

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.