

## Intelligent Video Telematics Solution

**Power Up Your Fleet with  
Real-time Visibility**

# K145 | K245

K145/K245 is an all-in-one fleet connected camera solution which helps fleet managers evolve their solutions to forward-thinking video telematics. Built in with powerful Qualcomm® processor and Android™ platform, it not only provides outstanding processing performance, but also flexibility with a suite of APIs & SDK for system and cloud integration. High-speed 4G LTE allows remote live view to ensure operators have full control over their fleets. K145/K245 also equips dual full HD cameras for continuous road-facing and in-cabin\* recording, providing video evidence when unexpected event occurs. Its tamper-resistant and industrial-grade design makes the K145/K245 a trusted solution to optimize your fleet efficiency and to improve driver safety.



### Always connected

- Built-in 4G LTE Cat.6 & dual-band WIFI
- Over-the-Air firmware & setting updates
- Bluetooth® 4.2 BLE, NFC / HF RFID



### Track your fleets in real-time

- Comprehensive satellite tracking
- Automotive dead reckoning (ADR) for precise positioning even in adverse conditions (optional)
- 3-axis G-sensor and Gyro support



### Reliable and flexible platform

- Qualcomm® Octa-core & Android™ 9.0
- Open APIs & SDK for seamless integration with fleet management solutions



### Get the full picture of your vehicles

- ECU integration to acquire vehicle and engine telematics data \*\*
- All video footage are safely stored both on the SD card and Cloud
- Enhanced ADAS and DMS function

\* Inward IR camera available in K245 SKU only

\*\* Interface only

## DETAILED VIEW



### WINDSHIELD MOUNTING

Easy to install in minutes

### NFC

For driver ID verification & instant pairing with other devices

### 4G LTE / WIFI INDICATOR



### EMERGENCY RECORDING BUTTON

Manually press button to protect the clip from being overwritten

### FORWARD CAMERA

- Full HD 1920 x 1080 pixels
- Wide 142° FOV
- 90° tiltable camera angle



### I/O COVER WITH TAMPER-RESISTANT LOCK SCREWS

Prevent unauthorised access to I/O ports including Micro SD and SIM

### INWARD CAMERA

- Full HD 1920 x 1080 pixels
- Wide 142° FOV
- IR for low light visibility
- 90° tiltable camera angle

### MINI USB

For data transfer and external camera connection

### ALL-IN-ONE CONNECTOR

- Connect to vehicle battery
- Optional ECU integration



### MICRO SD & NANO SIM

- Storage up to 512GB
- LTE Cat.6 (3G/2G fallback)



## OPERATIONAL SCENARIO



## ACCESSORIES

ENTRY CABLE	OBD POWER CABLE	PREMIUM CABLE	SMART CABLE	EXTERNAL CAMERA	PANIC BUTTON
Standard accessory PN: 422N69400011	Sold separately PN: 422N66400022	Y Cable with OBD II dongle and GPIO connector Sold separately PN: 5416N66400023	Sold separately PN: 340N66400007	Optional camera connected via Mini USB. • A50 rear camera • i15/ i25 DMS/ in-cabin camera • USB waterproof camera Sold separately	Sold separately

## SPECIFICATION

K145



K245



	K145	K245
Platform	Qualcomm® Snapdragon™ SDM450 Octa core, 1.8GHz	
OS	Android™ 9.0	
Memory	2GB RAM / 16GB internal storage	
Expansion	MicroSD slot (up to 512GB support)	
Wireless Interface	IEEE 802.11 a/b/g/n/ac (2.4GHz & 5GHz)	
	Bluetooth® 4.2 BLE	
	GPS, QZSS, GLONASS, Galileo (supports ADR**)	
	LTE Cat.6 (3G/2G fallback*)	
	<b>EMEA &amp; Australia</b> LTE FDD Band 1/2/3/4/5/7/8/20/28; LTE TDD Band 38/39/40/41; WCDMA Band 1/2/4/5/8; GSM 850/900/1800/1900MHz	<b>North America</b> LTE FDD Band 2/4/5/7/12/13/14/17/25/26/66/71; LTE TDD Band 41; WCDMA Band 2/4/5
NFC	NFC: MiFare®, FeliCa   RFID (HF): ISO14443A&B, ISO15693	
Sensors	3-axis Accelerometer, 3-axis Gyro, Thermal Sensor	
Camera	Forward: FOV: D: 142° / H: 116° / V: 60° (±5%) Full HD 1920 x 1080 @ 30fps (configurable)	Forward: FOV: D: 142° / H: 116° / V: 60° (±5%) Full HD 1920 x 1080 @ 30fps (configurable)
		Inward (IR): FOV: D: 142° / H: 116° / V: 60° (±5%) Full HD 1920 x 1080 @ 30fps (configurable)
Physical Interface	MicroSD slot (up to 512GB capacity)	
	NanoSIM slot (SIM 1) and eSIM** (SIM 2)	
	Mini USB x1 (supports 3rd cam, USB type)	
	Built-in mic x2	
	Built-in speaker x1	
All-in-one Connector	12-32V power input, IGN power on signal input (H active, 7-32V)	
	GPIO x4: 1 out / 3 in (polling mode)	
	ECU connection**: SAE J1962 / SAE J1939***	
	Vehicle signal: speed pulse, reverse signal input	
	RS232 (Tx/Rx)	
Buttons	Emergency recording button for driver to manually trigger 60s recording (5 - 30s before and 5 - 30s after, adjustable)	
LED Indicators	Recording, WIFI/LTE active	
Battery	10F SuperCAP (approx. 18s backup power supply for video clips saving)	
Power Consumption	Full run mode: 5W (12V/ 420 mA)	
	Parking mode: 50mW (12V/ 4.2 mA)	
Boot Up Time	Cold boot : 45s; Resume from parking mode and start recording: 2s	
Parking Mode	With impact detection	
Environment	IP30	
	-20° to +60°C (-4° to +140°F) operating temperature	
	-30° to +85°C (-22° to +185°F) storage temperature	
Certification*	CE, CB, FCC/IC, UKCA, RCM, BQB, ROHS, WEEE	
Warranty	12 months (extended warranty available)	
Weight	138g (4.9oz)	158g (5.6oz)
Dimensions	98 x 61.2 x 39.2mm (3.86 x 2.41 x 1.54")	122.8 x 61.2 x 44.2mm (4.83 x 2.41 x 1.74")

## Box contents\*

- Fleet connected camera
- Quick start guide
- Windshield mounting kit
- Main cable\*\* (Type I for power & data / Type II for power)

\* Region Dependent    \*\* Optional    \*\*\* Interface only