

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



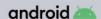
Reliable and flexible platform

- 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







K145 | K245



DETAILED VIEW



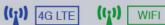
WINDSHIELD MOUNTING

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)



ACCESSORIES





SPECIFICATION





	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*)			
	EMEA & Australia	North America LTE FDD Band 2/4/5/7/12/13/14/17/25/26/66/71; LTE TDD Band 41; WCDMA Band 2/4/5		
	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			
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°		Forward: FOV: D: 142° / H: 116°/ V: 60° (±5%)	
	Full HD 1920 x 1080 @ 30fps (configurable)		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 powers	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)	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)