

## Intelligent Video Telematics Solution

Power Up Your Fleet with  
Real-time Visibility

# K145C | K245C

K145C/K245C is an all-in-one fleet connected camera solution which helps fleet managers evolve their solutions to forward-thinking video telematics. Built in a 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. K145C/K245C 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 K145C/K245C 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



### 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



### Reliable and flexible platform

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



### Multiple Certifications

- Carrier certification by Verizon and AT&T
- Amazon Web Service Certified



### 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

\* Inward IR camera available in K245C 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

### INWARD CAMERA

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

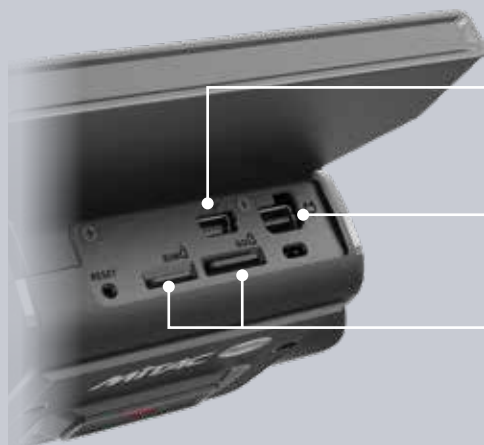


### I/O COVER WITH TAMPER-RESISTANT LOCK SCREWS

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

### FORWARD CAMERA

- Full HD 1920 x 1080 pixels
- Wide 142° FOV
- 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



### DEDICATED VEHICLES

- Video recordings with SD card
- ADAS & DMS (AI)
- Dual-cam synchronized recording.



### CLOUD-BASED INFRASTRUCTURE

- Sensor / Telematics data
- Event videos
- Images



### FLEET MANAGEMENT CONSOLE

- Dashboard
- Geo-Fencing
- Event notification
- Track history
- Live view

## ACCESSORIES

### ENTRY CABLE



Standard accessory  
PN: 422N69300002

### OBD POWER CABLE



Sold separately  
PN: 422N66400022

### PREMIUM CABLE



Y Cable with OBD II dongle and GPIO connector

Sold separately  
PN: 5416N6930011

### SMART CABLE



Sold separately  
PN: 340N69300003

### EXTERNAL CAMERA



Optional camera connected via Mini USB.

- A50 rear camera
- i15/ i25 DMS/ in-cabin camera
- USB waterproof camera

Sold separately

### PANIC BUTTON



Sold separately

## SPECIFICATION

K145C



K245C



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>	<b>North America</b>
LTE FDD Band 1/2/3/4/5/7/8/20/28;	LTE FDD Band 2/4/5/7/12/13/14/17/25/26/66/71;	
LTE TDD Band 38/39/40/41;	LTE TDD Band 41;	
WCDMA Band 1/2/4/5/8;	WCDMA Band 2/4/5	
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 external 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	
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, RCM, BQB, PTCRB, AT&T, Verizon, T-Mobile, FirstNet, WEEE, ROHS, AWS (Amazon Web Services), Telstra, Rogers, Telus	
Warranty	12 months (extended warranty available)	
Weight	193g	213g
Dimensions	98 x 106 x 39.2mm	122.8 x 106 x 44.2mm
Accessories**	Main cable (Type I), main cable (Type II), ECU cable, signal cable, external camera (with connection cable), cable cap, windshield mounting kit, SD card, Hex key, Tie down square, Tie wrap, Alcohol wipe	

**Box contents\***

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

\* Region Dependent \*\* Optional