

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 Certificaitons

- 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

android 

QUALCOMM

verizon

T Mobile

AT&T Network
Ready Device

aws
qualified
device
Internet of Things

FIRSTNET.
Built with AT&T
READY

ROGERS

TELUS

www.mitacmdt.com

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

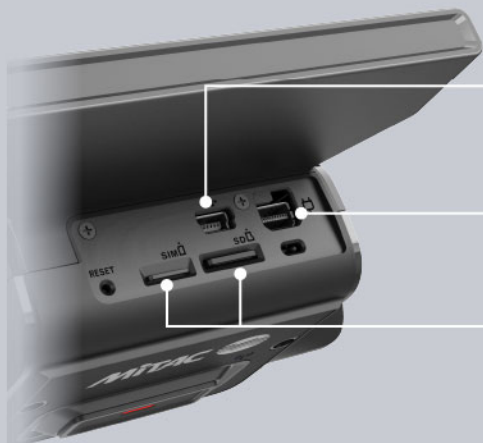


I/O COVER WITH TAMPER-RESISTANT LOCK SCREWS

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 1TB
- LTE Cat.6 (3G/2G fallback)

OPERATIONAL SCENARIO



ACCESSORIES

<p>OPEN WIRE POWER CABLE</p> <p>Standard accessory</p>	<p>OBD POWER CABLE</p> <p>Optional</p>	<p>PREMIUM CABLE</p> <p>Y Cable with OBD II dongle and GPIO connector</p> <p>Optional</p>	<p>OBD DONGLE</p> <p>Optional</p>	<p>EXTERNAL CAMERA</p> <p>Optional camera connected via Mini USB.</p> <ul style="list-style-type: none"> • A50 rear camera • i15/ i25 DMS/ in-cabin camera • USB waterproof camera <p>Optional</p>	<p>PANIC BUTTON</p> <p>Optional</p>
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SPECIFICATION

K145C



K245C



Platform	Qualcomm® Snapdragon™ SDM450 Octa core, 1.8GHz	
OS	Android™ 9.0	
Memory	2GB RAM / 16GB internal storage	
Expansion	MicroSD slot (Storage up to 1TB)	
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 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	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
NFC	NFC: MiFare®, FeliCa I 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 (Storage up to 1TB)	
	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	
	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	102.8 x 107.2 x 42.75 (mm)	127.8 x 107.2 x 42.75 (mm)

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