

INTELLIGENT VIDEO TELEMATICS SOLUTION

K145C*/K245C



Evolve fleet management solutions with the K145C/K245C, an all-in-one camera solution for forward-thinking video telematics. K145C not only provides outstanding processing performance, it has remote live view to ensure operators have full control over their fleets. K245C is equipped with dual full HD cameras for continuous forward-facing and in-cabin recording, providing video evidence when unexpected events occur. Designed to be tamper-resistant and industrial grade, K145C/K245C is a trusted solution for optimizing fleet efficiency and improving driver safety.

**Forward facing camera only.*



Always connected

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



Get the full picture of your vehicles

- 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



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



Designed for total fleet coverage, our versatile camera solutions equip everything from personnel vehicles to commercial, specialty, heavy-duty, and public works assets.

Call to learn more (888) 449-0357

Email us at sales@precisemrm.com.

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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 <ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> 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 (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: SW (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 -4° to+ 140°F (-20° to +60°C) operating temperature -22° to+ 185°F (-30° to +85°C) storage temperature	
Certification*	CE, CB, FCC/IC, RCM, BOB, PTCRB, AT&T, Verizon, T-Mobile, FirstNet, WEEE, ROHS, AWS (Amazon Web Services), Telstra, Rogers, Telus	
Warranty	12 months (extended warranty available)	
Weight	6.8 oz	7.5 oz
Dimensions	4" x 4.23" x 1.69"	5" x 4.2" x 1.69"

*Region Dependent **Optional



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DETAILED VIEW & OPERATIONAL SCENARIO

K145C* / K245C



Windshield Mounting

Easy to install

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 140° FOV

IR for low light visibility

90° tiltable camera angle



I/O Cover with Tamper-Resistant Lock Screws

Prevent unauthorized 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)

Accessories

Open Wire
Power Cable
Standard



OBD Power Cable
Optional



Premium Cable
Optional



External Camera
Optional



Panic Button
Optional



**Forward facing camera only.*

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

Precise MRM camera solutions incorporate MITAC manufactured hardware. All MITAC product specifications, component availability, and performance characteristics are subject to change by MITAC Digital Technology Corp. without notice. ©2026 Precise MRM, LLC. All rights reserved. PreCise MRM makes no warranties, express or implied, regarding third party hardware, and provides product warranties solely as stated in applicable written agreements.

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