

INTELLIGENT VIDEO TELEMATICS SOLUTION

K220



K220 is an all-in-one 4G LTE connected camera that enables fleet managers to smoothly transition into video telematics. The powerful, built in Qualcomm processor and Android Platform provide both powerful performance and flexibility. Use remote live view with high-speed 4G LTE to ensure operators have their entire fleet. K220 is equipped with dual full HD cameras, providing non-stop recording both forward-and in-cabin while the vehicle is in operation. Designed to be tamper resistant and industrial grade, the K220 is a trusted video accessory solution.



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



Affordable Solution

- Cost-Effective configuration
- Compact design. Simple as is



Track your fleets in real-time

- Comprehensive satellite tracking
- 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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K220

Platform	Qualcomm® Snapdragon™ SDM450 Octa core, 1.8GHz
OS	Android™ 10
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 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"
Sensors	3-axis Accelerometer, 3-axis Gyro
Camera	Forward: FOV: 142.8°, H: 120.4°, V: 63.8° (±5%) Full HD 1920 x 1080@ 30fps (configurable) Inward (IR): 142.8°, H: 120.4°, V: 63.8° (±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 x1 Built-in speaker x1
All-in-one Connector	12- 32V power input, IGN power on signal input (H active, 7- 32V) GPIO Input x 1 (Default)/ GPIO Input x 3 + Output x 1 (Option)
Buttons	Emergency recording button
LED Indicators	Recording, WiFi/LTE active
Battery	SF SuperCAP (approx. 12 secs backup power supply for video clips saving)
Power Consumption	Full run mode: 4.6W (12V/ 380 mA) Parking mode: 90mW (12V/ 7.5mA)
Boot Up Time	Cold boot: 30s; Resume from parking mode and start recording: 2s
Parking Mode	With impact detection
Environment	-40° to + 140°F (-20° to +60°C) operating temperature -40° to + 158°F (-20° to + 70°C) operating temperature (under certain conditions) -22° to + 185°F (-30° to + 85°C) storage temperature
Certification*	CE, CB, FCC/IC, UKCA, BOB, WEEE, ROHS, PTCRB, AT&T Network Ready, T-Mobile, AWS, BIS
Warranty	12 months (extended warranty available)
Weight	7.23 oz
Dimensions	4.41" x 1.6" x 1.89"

*Region Dependent **Optional



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DETAILED VIEW & OPERATIONAL SCENARIO

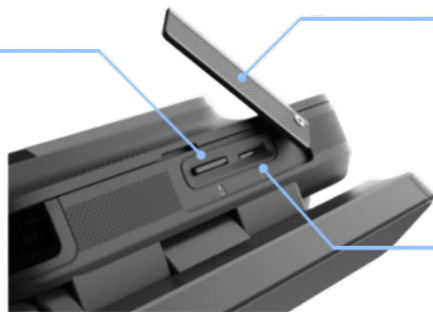
K220

4G LTE / WIFI Indicator

Inward Camera
Full HD 1920 x 1080 pixels
Wide 142° FOV
IR for low light visibility

Windshield Mounting
Easy to install

Micro SD
Storage up to 1TB



All-In-One Connector
Connect to vehicle battery
Optional ECU integration

Cable Cover

USB Cable
Data transfer and external camera connection

Emergency Recording Button
Manually press button to protect the clip from being overwritten

Forward Camera
Full HD 1920 x 1080 pixels
Wide 142° FOV

Tamper Proof Cover
Prevents any unauthorized removal

Nano Sim
LTE Cat.6 (3G/2G fallback)

Accessories

Open Wire
Power Cable
Standard



OBD Power Cable
Optional



External Camera
Optional



Panic Button
Optional



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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