



Intelligent Video
Telematics Solution



Digicore IVMS 2.0

Vehicle management with violation context

POWERUP YOUR FLEET WITH REAL-TIME VISIBILITY

MioEYE™ K Series is an all-in-one fleet connected camera solution which helps fleet managers evolve their solutions to forward-thinking video telematics. Built on 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. MioEYE™ K Series 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 MioEYE™ K Series a trusted solution to optimise 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



Reliable and flexible platform

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



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



Get the full picture of your vehicles

- ECU integration to acquire vehicle and engine telematics data**
- Live view allows real-time driver monitoring and event recording
- Enhanced ADAS design



* Inward IR camera available in K245 SKU only
 ** Interface only



SPECIFICATIONS

K145

K245

| | | |
|----------------------|--|--|
| Platform | Qualcomm® Snapdragon™ SDM450 Octa core, 1.8GHz | |
| OS | Android™ 9.0 | |
| Memory | 2GBRAM / 16GB internal storage | |
| Expansion | MicroSD slot (up to 256GBsupport) | |
| 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/2Gfallback*) | |
| | EMEA & Australia | North America |
| | 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 | Outward: FOV: D: 142° / H: 116° / V: 60° (±5%) Full HD 1920x1080 @ 30fps (configurable) | Outward: FOV: D: 142° / H: 116° / V: 60° (±5%) Full HD 1920x1080 @ 30fps (configurable) |
| | - | Inward (IR): FOV: D: 142° / H: 116° / V: 60° (±5%) Full HD 1920x1080 @ 30fps (configurable) |
| Physical Interface | MicroSD slot (up to 256GBcapacity) | |
| | NanoSIM slot (SIM 1) and eSIM** (SIM 2) | |
| | Mini USBx1 (supports 3rd cam, USB type) | |
| | Built-in mic x2 | |
| | Built-in speaker x1 | |
| All-in-one Connector | 12- 32Vpower input, IGN power on signal input (H active, 7- 32V) | |
| | GPIOx4: 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 power supply for video clips saving) | |
| Power Consumption | Full run mode: 5W(12V/420mA) | |
| | Parking mode: 50mW(12V/4.2mA) | |
| Boot Up Time | Cold boot : 45s; Resume from parking mode and start recording: 2s | |
| Parking Mode | With impact detection | |
| Environment | IP41 | |
| | -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, Amazon Web Services (AWS), 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") |

* Region Dependent ** Optional *** Interface only

Box contents*

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



IVMS 2.0 DASHCAM

DETAILED VIEW



▶ NFC

For driver ID verification & instant pairing with other devices

▶ EMERGENCY RECORDING BUTTON

Manually press button to protect the clip from being overwritten

▶ OUTWARD CAMERA

Full HD 1920x 1080 pixels
Wide 142° FOV
90° tiltable camera angle

▶ MICRO SD & NANOSIM

Storage up to 256GB
LTE Cat.6 (3G/2G fallback)

▶ WINDSHIELD MOUNTING

Easy to install in minutes
Lockable I/O cover

▶ 4G LTE / WIFI INDICATOR

Wireless connection status



▶ INWARD CAMERA

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

▶ ALL-IN-ONE CONNECTOR

Connect to vehicle battery
Optional ECU integration

▶ MINI USB

For data transfer and rear camera connection

▶ I/O COVER WITH TAMPER-RESISTANT LOCK SCREWS

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





IVMS 2.0 Dashcam

IVMS 2.0 MONITORING FUNCTIONALITY

- Harsh Braking
- Harsh Acceleration
- Harsh Cornering
- Lane Drifting
- Posted Speed Limit Violations
- Stop Sign Violations
- Forward Collision Warning
- Tail Gating
- Distracted Driving
- Drowsy Driving/ Fatigue
- Distraction Categories (cellphone, smoking etc..)
- Face ID/Recognition
- Live Streaming
- Live Tracking
- Video Loop Recording (DVR)
- Companion App
- Device Health and Diagnostics
- Seatbelt violations