



HARDWARE PLATFORM

KP2

Modular HD Road-Facing/ Driver-Facing Dashcam



TRUE FLEXIBILITY IN VIDEO TELEMATICS

KP2's modular windshield-mounted road-facing camera offers forward visibility and Advanced Driver Assistance Systems (ADAS) safety alerts. Add the ingenious snap-on driver-facing camera to the unit — now or later — for video and AI-powered Driver State Monitoring (DSM) features. This is true flexibility in a cloud-based video telematics solution that's sleek, plug and play, simple and affordable.

HIGHLIGHTS

Add Driver-Facing Now or Later

Innovative modular design makes it easy to snap on the driver-facing camera to the road-facing unit, adding edge-based DSM functionality at the time of installation or later.

Flexible Array of ADAS/DSM Features

ADAS options include tailgating, forward collision and lane departure alerts; DSM options include driver fatigue and distraction alerts. Real-time driver notification with natural language voice alerts.

Fast and Easy Installation

Unique plug-and-play harness design enables installation so simple that customers can do it themselves; snap-off removal simplifies device servicing and replacement.

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- Road-facing HD camera with GPS, 4G/LTE and video telematics
- Snap-on driver-facing camera ADAS/DSM features with real-time natural language driver notification
- Simple plug-and-play installation
- Artificial Intelligence Driving Events (AIDE) at no extra cost
- Supports GPS to A-GPS
- 64GB microSD card that can store over 50 hours of footage before beginning to overwrite

KP2 Technical Specifications



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|---------------------------------|--|
| Image Sensor | 2 Megapixel CMOS Sensor |
| Angle of View | Main, Road-Facing Camera (Forward-Facing): 140° (115°(H), 60°(V)) 2nd Camera (Optional, Driver-Facing): 130° (104°(H) x 56°(V)) |
| ADAS Event Types | - Headway Monitoring Warning (Tailgating) - Forward Collision Warning - Lane Departure Warning |
| DSM Event Types | - Fatigue - Distraction |
| Wireless | LTE CAT6 (KP2-NA): B2/B4/B5/B7/B12/B13/B14/B17/B25/B26/B41/B66/B71 3G Bands: B2, B4, B5 |
| | LTE CAT6 (KP2-GB): B1/B2/B3/B4/B5/B7/B8/B20/B28/B38/B40/B41 3G Bands: B1, B2, B4, B5, B8 |
| | Wi-Fi: 2.4/5GHz, 802.11a/b/g/n/ac |
| | Bluetooth: 4.2 BLE |
| Connectivity | 4G/LTE (CAT6) |
| Max Data Rate | UL: 50Mbps, DL: 300Mbps |
| Video Resolution | Main Camera: 1080p (1920x1080), 720p (1280x720) 2nd Camera: 1080p (1920x1080), 720p (1280x720) |
| Recording Speed | 60FPS (30FPS per Channel) |
| Recording Mode | Continuous, Event, Dual Mode |
| Memory | 16GB eMMC+2GB LPDDR3, 64GB MicroSD Card Included. Supports up to 256GB (FAT32) |
| GNSS | Internal GPS/GLONASS/BeiDou |
| G-Sensor | Internal 3-Axis G-Sensor |
| Gyro | 3 Axis (X,Y,Z), Output Rate: 100 Hz |
| Time | GPS Time Sync + Built-In Real-Time Clock (RTC) |
| Speaker | Audible Alerts for Events and Audio for ADAS and DSM. Natural Language or Beep Sounds (Selectable) |
| Audio | Internal Microphone |
| Serial | RS232 RX/TX |
| LED | 3 (Red, Blue, Green LED) |
| Supercapacitor | Enables Recording of Last File and Safe Shutdown |
| PC Software | MSM8953, Octa-Core ARM Cortex-A53 |
| Power Input | Input Voltage: DC 12V/24V, 1.5A |
| Delayed Power Shutdown | Supports Delayed Power Shutdown and Automated Wake-Up Feature (Selectable Intervals) |
| Power Consumption | 4W (6W with ADAS and DSM Enabled) |
| Size / Weight | 126 x 82 x 64 mm / 232.4g (Including 2nd Camera, Excluding Power Cable) |
| Operational Temperature | -10°C~55°C |
| Storage Temperature | -20°C~70°C |
| Certification/Regulatory | FCC, CE, E-Mark, UKCA, RoHS, IC, PTCRB, RCM, AT&T, Verizon and FirstNet |
| Warranty | 2-Year Standard |