



LTE Dashboard Camera Feature Introduction

The LTE Dashboard Camera is a solutions of automobile security by the implementation of all-time 360-degree video and GPS monitoring by multifunctional dashboard camera and related devices include a LTE hub and emergency button, using the OBD-II as uninterruptible power and LTE as communication method.

1. 24/7 Running time 1080HD recording: with no incident or event happening, the dashboard camera record video in local SD card
2. 24/7 Smartphone/web application real-time 360-degree video streaming and 2-way talk
3. Real-time GPS location
4. GPS route cloud recording
5. 24/7 event/incident* Cloud recording and push notification/SMS/panorama snapshot and GPS location
6. 360 degree parking patrol in less-secured area (long-press panic button)
7. Panic button
8. Optional LTE Wi-Fi hotspot for entertainments

*Definition of an event/incident:

1. Impact / abnormal acceleration including emergency braking, glass breaking, abnormal shaking
2. Video streaming request from Smartphone APP / web applications¹
3. Panic button triggers

* ¹ Recorded real time streaming will be stored in cloud for 7 day if no accident happened, two-way talk request, panic button triggers during live video streaming. After live video streaming, user can select to save the streaming video to cloud or/and it will be backed up in SDcard.

What happens if the car is parked?

1. If the engine is turned off and the vehicle is locked, the system will switch to parking sleep mode for power saving.
2. Event/incident detect from the device and video streaming request from smartphone APP/web application will wake-up the system.
3. If parked in less-secured area, switch to auto patrol mode to obtain real time notification / video clips

OBD-II features:

- 9V to 36V-uninterrupted power supply
- Engine ON/OFF/ACC detection

Installation video:

<https://youtu.be/y8FeValuL3o>



Feature video:

https://youtu.be/DnQ11r05w_Q





LTE Dashboard Camera Datasheet

Product Model	UCM3310	
Dimensions	CAM: 74×43×45mm	HUB: 92×92×15mm
LTE Module	Sierra Wireless Aircard WP7504	
Main Chip	Qualcomm Atheros AR9X31	
Lens	6-layers Glass and IR-Cut with IR LED for Night Vision	
Aperture	F1.9	
Viewing Angle	Diagonal 162°/ Horizontal 129° / 360° Motorized Pan control by APP/Web	
CMOS	APTINA AR0230 CMOS 1/2.7	
Focal Length	2.9mm	
Sensors	G-Sensor, Gyroscope, GPS, Temperature Sensor	
Resolution	Up to 1920x1080 (1080P) & 30fps	
Audio Format	ADPCM	
Video Format	H.264	
Picture Format	JPG	
Memory Card	1 x Micro SD (CLASS10 and above)	
SD Max Capacity	64GB (128GB in FAT32)	
LTE/3G/2G Network	GSM/CDMA/WCDMA/TDSCDMA/TDD-LTE/FDD-LTE	
Wi-Fi	IEEE 802.11b/g/n	
SIM Type	1 x Micro SIM Card (3FF)	
LTE Speed	LTE Download 100Mbps (Depend on Carrier's Bandwidth and LTE Module)	
Max Wi-Fi connect#	Up to 8 Devices	
Port	Micro USB/USB-A/Type-C	
Current	500mA	
Voltage	12V (Hub) 5V (Camera)	
Working Temp	-20 to 60 °C	
Storage Temp	-20 to 80 °C	
Humidity	15-85%RH	
Power Consumption	6W (Hub) 5W (Camera) 0.5W Overall in Sleepmode	
Power Source	OBD-II 9V~36V Uninterrupted Power Supply with Engine ON/OFF/ACC Detection	
Panic button	2.4Ghz Preparatory, IEEE 802.15 Based	