

VISION DRIVE 450 DASH CAMERA

The Vision Drive 450 is an LTE dashcam system customized for the requirements of commercial vehicle operations. This camera system is capable of recording up to 4/5 independent channels at the same time. This system is equipped with ADAS and DMS algorithms that boost driver awareness and enhance safety by providing real-time and actionable alerts. Video clips, triggered by important events or the in-cab SOS button, are saved in the cloud for later review or as important evidence. The important features, including support for peripheral sensors, the ability to connect via WiFi and expanded on-device storage make the device a perfect solution for a wide range of needs across industries.



DEVICE FEATURES:



Video Surveillance

Powerful LTE network facilitates live monitoring of the car's interior and exterior through an online platform, while the device stores clips for playback from anywhere and at any time.



Visual AI Algorithms

The device utilizes various AI algorithms, such as ADAS and DMS, to improve road safety, driver safety, and compliance with rules.



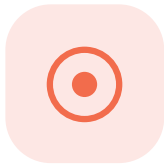
Event Alerts

The device captures and uploads video clips or still images of customizable events, like speeding and SOS button activation.



Interface Extension

Different ports, such as RS232 and TTL, offer compatibility with various accessories, including fuel and temperature sensors.



Multi-Channel Record

Several cameras can be set up to monitor different angles, offering a more comprehensive view of the vehicle and its surroundings.



Dual Mode Positioning

The camera utilizes GPS and BDS signals to track vehicles, gather location data, vehicle speed, and other data for analysis.



Enhanced Storage

Dual micro TF card slots enable a maximum of 512GB of storage, allowing for up to 7 days of simultaneous recording from 5 cameras.

TECHNICAL SPECIFICATIONS

Physical

Dimensions	114*113*33 mm
Weight	374g
Operating Temperature	-20°C to +70°C
Storage Temperature	-30°C to +85°C
Certifications	CE/FCC/PTCRB/RoHS

Camera

Front Camera (Main)	1920x108025/FPS/F2.0/Full color/80° (HFoV)
Sub Camera (Optional)	CI02: 1280x72015/FPS/F2.5/Full color in daytime & monochrome in dim light/135° (HFoV)
Peripheral Camera (Optional)	- CI01: 1280x72015/FPS/F2.0/Full color in daytime & monochrome in dim light/100° (HFoV) - CI03: 1280x72015/FPS/F2.4/Full color in daytime & monochrome in dim light/119° (HFoV) - CD02: 1280x72015/FPS/F2.0/Monochrome/56° (HFoV) - CE01: 1280x72015/FPS/F2.0/Full color/IP67/125° (HFoV)

Video Format	.TS
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Network

Standard	4G LTE Cat.4
WIFI	2.4GHz, Support AP Mode/STD Mode/WiFi Direct
Bluetooth	BLE 4.0
Band	Northern American Version: FDD-LTE: B2/B4/B5/B12/B13/B14/B66 WCDMA: B2/B4/B5 Latin American Version: FDD-LTE: B1/B2/B3/B4/B5/B7/B8/B28 TDD-LTE: B40 WCDMA: B1/B2/B4/B5/B8 GSM: B2/B3/B5/B8 Eurasian version: FDD-LTE: B1/B3/B7/B8/B20/B28A TDD-LTE: B38/B40/B41 WCDMA: B1/B8 GSM: B3/B8

Configuration

GNSS	GPS/BDS
Sensor	3-Axis
Microphone	Support
Speaker	Support
Interface	Type-C USB*1, SOS*1, RS232*1, TTL*1, Relay*1, Digital Input*2, CVBS-OUT*1
Memory Support	TF Card (Up to 256GB*2)
SIM Card Type	Nano
LED Indication	Red (Power), Blue (Cellular), Green (GNSS)

Power

Power Supply	Power cable: B+/ACC/GND
Operating Voltage	DC 9 – 30v

