



JC450

Multi-Channel 4G DashCam

The JC450 is an LTE dashcam system designed specifically for use in commercial vehicles. This feature-rich camera system is capable of recording 4 separate channels simultaneously, and provides valuable ADAS and DMS algorithms that actively assist drivers increase awareness and safety on the road by providing real-time, actionable alerts. Video clips triggered by key events or the in-cab SOS button are saved to the cloud for later review or evidentiary support. Other features of this system, including support for peripheral sensors, the ability to connect via WiFi, and expanded on-device storage make the JC450 a perfect solution for a variety of applications across multiple industries.



4-CH Simultaneous Recording

Up to 4 cameras monitor various angles, providing a fuller view of the vehicle and its surroundings.



Event Alert

Automatically upload video clips or still images triggered by customizable key events such as unexpected vibration, ACC on/off, SOS button activation, etc.



Visual AI Algorithms

ADAS and DMS capabilities provide tools to help improve driver safety and compliance.



Extension Interface

RS232 and relay ports provide support for optional accessories such as fuel and temperature sensors.



Remote Video Surveillance

Strong 4G LTE connectivity enables real-time monitoring of the vehicles cameras via online platform.



Panic Button

Drivers can call dispatch or summon emergency services instantly with a discreetly installed, in-cab SOS button.



Various Peripheral Cameras

In addition to the road- and driver-facing cameras, there are several different options for the 3rd and 4th cameras meaning there is a setup to suit any use case.



Expanded Storage

Dual micro SD slots provide a maximum of 512 GB on-device storage, allowing for up-to-5-day 4 cameras recording simultaneously.

Vans



Trucks



Heavy Equipment



E-hailing Vehicles



Specification

Network

Standard	4G LTE	
Band	JC450-AFX	(for North American Countries and Regions) FDD-LTE: B2/B4/B5/B12/B13/B14/B66 WCDMA: B2/B4/B5
	JC450-EUX	(for European and Asian Countries and Regions) FDD-LTE: B1/B3/B7/B8/B20/B28A TDD-LTE: B38/B40/B41 WCDMA: B1/B8 GSM: B3/B8
	JC450-AUX	(for Latin American Countries and Regions) FDD-LTE: B1/B2/B3/B4/B5/B7/B8/B28 TDD-LTE: B40 WCDMA: B1/B2/B4/B5/B8 GSM: B2/B3/B5/B8
WiFi	2.4GHz	

Configuration

CPU	Hexa-core
Memory	2GB+8GB
Operating System	Android 7.1
Positioning	GPS and BDS
G-sensor	3-axis
Mic	✓
Speaker	✓
Bluetooth	BT 4.0

Camera

Front Camera (Main)	Monitor the road ahead	720P or 1080P low-light WDR (optional)
	Inward-facing camera	720P IR night vision
Remote Camera (Optional)	Remote cabin-facing camera	720P IR night vision
	Waterproof camera	720P IP67
	Driver-facing camera	720P IR night vision
Video coding	H.264/H.265	
Video format	TS/MP4	

Others

Expandable Memory	Dual-Micro SD supported (max, 256GB for each)	
SIM Card	Nano SIM	
Extension Interfaces (Optional)	Relay*1, SOS*2, RS232*1, and turn signal detection*2	
Indicators	Power (Red), GNSS (Green), Cellular (Blue)	
Operating Voltage	DC 9–33V (suitable for 12V and 24V vehicles)	
Environment Requirement	Operating temperature: –20 C to 70 C Storage temperature: –30 C to 85 C	