Jimi IoT

JC450 Series
Multi-Channel AI DashCam

The JC450 Series is an LTE dashcam system designed specifically for use in commercial vehicles. This feature-rich camera system is capable of recording 4/5 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 Series a perfect solution for a variety of applications across multiple industries.

Video Surveillance
Powerful LTE connectivity enables the live monitoring of the vehicle's interior and exterior via an online platform; while the critical video clips in the device allows for on-demand playback after the fact from anywhere, at any time.

Visual AI Algorithms
The device uses a variety of AI algorithms, such as ADAS and DMS, to provide tools that help improve road safety and driver safety and compliance.

Multiple Alerts
Record and upload video clips or still images of customizable events such as speeding and SOS button activation.

Extension Interface
Various ports such as RS232 and TTL provide support for optional accessories such as fuel and temperature sensors.

Multi-Channel Recording
Multiple cameras can be configured to monitor various angles, providing a fuller view of the vehicle and its surroundings.

Dual Mode Positioning
Locate vehicles using both GPS and BDS signals and collect location data, vehicle speed and other data for analysis.

Vehicle Immobilization
Enable you to cut off the fuel/power to the vehicle moving under 20km/h using Tracksolid Pro, which is useful if your fleet vehicle has been stolen.

Expanded Storage
Dual micro TF card slots provide a maximum of 512GB on-device storage, allowing for up-to-7-day 5 cameras recording simultaneously.

| Logistics Service | Hazmat Trucking | School Bus Service | Public Transport |

Specification

Network

Standard	4G LTE Cat.4	
WiFi	2.4GHz, Support AP Mode/STD Mode/WiFi Direct	
Bluetooth	BLE 4.0	
Band	Eurasian Version	FDD-LTE: B1/B3/B7/B8/B20/B28A TDD-LTE: B38/B40/B41 WCDMA: B1/B8 GSM: B3/B8
	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

Camera

Front Camera (Main)	1920x1080/25FPS/F2.0/Full color/80° (HFoV)
Sub Camera (Optional)	CI02: 1280x720/15FPS/F2.5/Full color in daytime & monochrome in dim light/135° (HFoV)
Peripheral Camera (Optional)	CI01: 1280x720/15FPS/F2.0/Full color in daytime & monochrome in dim light/100° (HFoV)
	CI03: 1280x720/15FPS/F2.4/Full color in daytime & monochrome in dim light/119° (HFoV)
	CD02: 1280x720/15FPS/F2.0/Monochrome/56° (HFoV)
	CE01: 1280x720/15FPS/F2.0/Full color/IP67/125° (HFoV)
Video Format	.ts

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)

Others

Power Supply	Power cable: B+/ACC/GND
Operating Voltage	DC 9–30V
Operating Temperature	–20°C to +70°C
Storage Temperature	–30°C to +85°C
Device Weight	374g
Device Dimension	114*113*33mm
Certifications	CE/FCC/PTCRB/RoHS