jimiiot

JC450
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.

Jimi IoT
C450
Ai 4G DashCam

Logistics Service

Hazmat Trucking

School Bus Service

Public Transport

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.

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

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.

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

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

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.

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

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

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Specifications

Cellular

Technology	4G LTE Cat 4, 3G (WCDMA), 2G (GSM)
Frequency	JC450-EU
	FDD-LTE: B1/B2/B3/B4/B5/B7/B8/B28/B66
	TDD-LTE: B40
	WCDMA: B1/B2/B4/B5/B8
	GSM: B2/B3/B5/B8
	JC450-NA
	FDD-LTE: B2/B4/B5/B12/B13/B14/B66
	WCDMA: B2/B4/B5
	JC450-LA
	FDD-LTE: B1/B3/B5/B7/B8/B20/B28
	TDD-LTE: B38/B40/B41
	WCDMA: B1/B5/B8
	GSM: B3/B8

GNSS

Positioning system	GPS, BDS, AGPS

Camera

Front camera (main)	1920x1080/25FPS/F2.0/Full color/80° (HFoV)
Video format	.ts/.mp4

Power

Input voltage	DC 9–30V

Operating environment

Operating temperature	−20°C to +70°C
Storage temperature	−30°C to +85°C

Interface

LED indication	Red (Power), Blue (Cellular), Green (GNSS)
SIM	Nano-SIM
External memory	TF card (up to 256GB*2)
USB	Type-C
WiFi	2.4GHz, Support AP Mode/STA Mode/WiFi Direct
Bluetooth	BLE 4.0
Microphone	Support
Speaker	Support
Digital I/Os	2*SOS; 1*Relay; 2*Reserved inputs
Analog I/Os	1*CVBS-OUT
Serial ports	1*RS232, 1*TTL
Sensor	3-Axis accelerometer

Feature

ADAS	FCW, HMW, LDW
DMS (Optional)	Phone use, Smoking, Distraction, Yawning, Eyes closed, No face detected
	Facial Recognition System(Required with JC171)
	Seatbelt Detection (Required with JC171)
Configuration support	GPRS, SMS, Memory card, APP
Firmware update	USB cable, Memory card, OTA
Certification	CE, FCC, PTCRB, RoHS, AT&T

Physical specification

Dimensions	114.0 x 113.0 x 33.0mm
Weight	374g

Standard Packing

JC450 unit	1	**Double-sided adhesive**	1
Power cable	1	**Screws**	2
SOS button	1	**Screwdriver**	1
Mount base	1		

Optional Configuration*

Peripheral camera	JC171: AI Camera (driver monitonng system/facial recognition system/seatbelt detection)
	CI02: 1280x720/15FPS/F2.5/Color in daytime & mono in dim light/135° (HFoV)
	CI01: 1280x720/15FPS/F2.0/Color in daytime & mono in dim light/100° (HFoV)
	CI03: 1280x720/15FPS/F2.4/Color in daytime & mono in dim light/119° (HFoV)
	CI04: 1280x720/15FPS/F2.4/Color in daytime & mono in dim light/119° (HFoV)
	CD02: 1280x720/15FPS/F2.0/Monochrome/56° (HFoV)
	CE01: 1280x720/15FPS/F2.0/Full color/IP67/125° (HFoV)
	CE02: 1280x720/15FPS/F2.0/Full color/IP67/111° (HFoV)
Relay	12V or 24V

*Optional Configuration required to be customized or purchased separately.