Amber Vision C450
Multi-Channel 4G DashCam

5-CH Simultaneous Recording
Up to 5 cameras monitor various angles providing a fuller view of the vehicle and its surroundings.

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

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

Various Peripheral Cameras
In addition to the road- and driver-facing cameras there are several different options for the 3rd, 4th and 5th cameras meaning there is a setup to suit any use case.

Event Alert
Automatically upload video clips or still Images triggered by customizable key events such as unexpected vibration, ACC on/off, SOS/Panic Button and UBI alerts.

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

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

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

Multi-Channel 4G DashCam

The AVC450 is an LTE dashcam system designed specifically for use in commercial vehicles. This feature-rich camera system is capable of recording 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 WiR, and expanded on-device storage make the AVC450 a perfect solution for a variety of applications across multiple industries.

Use Cases

Vans

Trucks

Heavy Equipment

E-halling Vehicle

Module

Name	AVC 450
Technology	Dashcam

Network

Standard	4G LTE	
WiFi	2.4GHz	
Band	AVC450-A	(for North American Countries and Regions) FDD-LTE: B2/B4/B5/B12/B13/B14/B66 WCDMA: B2/B4/B5
	AVC450-E	(for European and Asian Countries and Regions) FDD-LTE: B1/B3/B7/B8/B20/B28A TDD-LTE: B38/B40 WCDMA: B1/B8 GSM: B3/B8
	AVC450-LA	(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

Configuration

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

Camera

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

Others

Expandable Memory	Dual-Micro SD supported (max. 256GB for each)
SIM Card	Nano SIM
Extension Interfaces	sos•2; (Pro-only) Relay•1, RS232•2, tum signal detection•2, and CVBS-Our•1
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

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