

- High Performance AI Chipset
- Up to 3 Video HD Channels
- Built in 180° Adjustable Lens
- Full Telematics Features
- Multi-Platform Connection

AT301

Multiple Channels AI-Powered 4G Connected Dash Camera

<https://www.szayx.com.cn>

- Location Tracking
- LTE 4G High Speed Connectivity
- ADAS + DMS + BSD Events
- Live Streaming Video
- History Video Playback & Download
- Remote Engine Cut-off
- Panic Button
- Built-in Mic and Speaker
- Wi-Fi with AP & Station Mode
- Parking Monitor
- OTA Firmware Update
- EMMC Memory (Optional)



The AT301 is an AI-powered video telematics solution that combines ADAS and DMS in a single compact device. It detects unsafe driving behaviors such as fatigue, distraction, mobile phone use, smoking, and seatbelt violations, providing real-time voice alerts to improve driver safety and reduce operational risks.

Featuring a built-in 2K HD camera with a 180° adjustable lens, the AT301 can be configured for either road-facing or driver-facing monitoring and supports up to two external cameras for expanded coverage. Easy to install and deploy across various vehicle types, it supports industry-standard protocols for seamless integration with fleet management and video monitoring platforms.

Applications:



Cargo Logistics



Urban Deliveries



Construction Vehicles



Taxi & Ride Hailing

General

Operating System	Linux
Dimensions	95 * 80 * 45 mm
Weight	205g
Color	Black
Power Supply	9-36VDC
Power Lost Protection	Super capacitor provides 10-15s of safe power backup
Operating Temperature	-20 ~ +70 °C
Operating Humidity	10%-90% Non-condensing

Hardware

CPU	32-bit RISC CPU 1.0 GHz, 1T NPU
RAM	4Gb DDR3
Internal Storage	8GB EMMC memory for 3-4h backup recording (Optional)
External Storage	1*Micro SD card, max. 1TB
G-Sensor	3 Axis Accelerometer
GNSS	Multiple Positioning Mode
SIM Card	Nano SIM
LED	Red(Record), Orange(Network), Green(GNSS)
I/O	ACC * 1, SOS * 1, Relay * 1, RS232 * 1
Reset Button	Support
Wi-Fi Switch	Support

AI Events

ADAS	FCW, HMW, LDW, PCW
DMS	Eye Close, Yawning, Distraction, Smoking, Phone Use, Driver Ab-normal, IR Blocking, Seatbelt Unfastend, Driver Face Recognition
BSD	Front, Left, Right and Back Blind Spot Detection (Optional)

Network

Cellular	LTE Cat1 or LTE Cat 4 + WCDMA +GSM	
Frequency Bands	LTE-FDD: B1/B3/B5/B8 LTE-TDD: B34/B38/B39 /B40/B41	CN, IN (Cat 1)
	LTE-FDD: B1/B3/B5/B7 /B8/B20/B28	EMEA (Cat 1)
	LTE-FDD: B1/B3/B5/B7 /B8/B20/B28 LTE-TDD: B38/B40/B41 WCDMA: B1/B5/B8 GSM: B3/B8	EMEA (Cat 4)
	LTE-FDD: B2/B3/B4/B5 /B7/B8/B28/B66	LATAM (Cat 1)
	LTE-FDD: B1/B2/B3/B4 /B5/B7/B8/B28/B66 LTE-TDD: B40 WCDMA: B1/B2/B4/B5 /B8 GSM: B2/B3/B5/B8	LATAM (Cat 4)
Wi-Fi	802.11b/g/n 2.4G, supports AP & station mode	
Protocol	JT/T 808-2013, JT/T 808-2019 JT/T1078-2016, T/JSATL12-2017	

Video/Audio

Channels	Built-in 1CH * 2K, External 2CH * 1080P / 720P	
Video Encoding	H.264	
Audio Encoding	AAC/G.711A	
Frame Rate	25 FPS	
Microphone	Built-in	
Speaker	Built-in, 1.5 Watts	
Image Sensor	1/2.9", 4 megapixel CMOS Sensor	
Lens	123° FOV, 2G2P, F2.0 Aperture	
Recording Quality	Main and Sub Stream, Adjustable Resolution	
Recording Mode	ACC ON Recording, Time Lapse Recording, Event Recording	
Audio Control	Enable / Mute	
Voice Volume	Mute / Low / Medium / High	
Video Format	TS, MP4	
Image Format	JPG	