ATrack

AW500
Smart AI-Vision LTE Dash Cam

The AW500 is built to minimize high-risk driving behaviors; it provides real-time voice alerts to prevent accidents caused by distractions or inappropriate behavior. It also automatically uploads event video footage to the cloud, making it perfect for fleet management and ensuring a safer driving experience.

Logistics   Car   DMS   ADAS

Features

- LTE Cat.1 Connectivity
- 1080P Dual-camera for ADAS & DMS facing
- Automatic uploads of incident footage
- Real-time voice alerts for driver coaching
- Position tracking and data analysis

98mm

31mm   66mm

Ordering Information

Model	Region	Power Source	
		ACC Cable	Cigarette Cable
AW500-LXEFX-AT01	North America	●	–
AW500-LXEFX-AT02	North America	–	●
AW500-LEEFX-AT01	EMEA, APAC, LATAM (EU, Asia, LAME, IN, AU,HK, SG)	●	–
AW500-LEEFX-AT02	EMEA, APAC, LATAM (EU, Asia, LAME, IN, AU,HK, SG)	–	●

(ACC Cable)   (Cigarette Cable)

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Specifications

CELLULAR

AW500-LXEFX (N. America)	4G LTE FDD Cat.1 B2, B4, B5, B12, B13, B17, B66
AW500-LEEFX (EMEA, APAC, LATAM)	4G LTE FDD Cat.1 B1, B2, B3, B4, B7, B8, B20, B28 4G LTE TDD Cat.1 B38, B40 WCDMA: B1, B5, B8 GSM: 900, 1800MHz
Antenna	Embedded cellular antenna
WLAN	Wi-Fi Direct (for installation)

POSITIONING

Location Technology	GPS+GLONASS, GALILEO, QZSS, BEIDOU
SBAS Support	WAAS, EGNOS, MSAS, GAGAN
Antenna	External

EVENTS (VOICE ALERT)

ADAS	Forward Collision Warning Pedestrian Detection Lane Departure Warning Virtual Bumper
DMS	Fatigue Driving Distraction Driving Calling Warning Smoking Warning
Emergency Report	SOS Button Impact and Collision

CAMERA

Driver-facing	D: 120°, H: 100°, V: 45°, IR: 940nm
Road-facing	D: 125°, H: 105°, V: 58°
Resolution	1080p/720p
HEVC	H.265

CERTIFICATIONS

Standards	FCC, IC, CE, RoHS

ELECTRICAL

Operating Voltage	Vehicle 12V / 24V system
Current Consumption	Operating: 460mA@12V Deep Sleep Mode: 1.6mA@12V
Storage	FAT32, Micro SD-card 256GB (Max Storage 512G)
Speaker	Built-in speaker for audible alerts
LED Indicators	Video Recording, Red (Idle Blue) 4G Connected, Amber GPS signaling, Green

SENSOR

Accelerometer	3-axis ± 16g

PHYSICAL

Dimension	98mm x 88mm x 66mm (3.86" x 3.46"x 2.60")
Weight	228g (0.5 lb)
Enclosure	Flame Retardant ABS+PC
Mounting Method	Industrial-grade adhesive tape

ENVIRONMENTAL

Operating Temperature	−20°C to +70°C
Storage Temperature	−30°C to +80°C
Relative Humidity	10% to 90%, non-condensing

ACCESSORIES

Power in connector (Opt.)	ACC Cable/Cigarette Cable
Emergency Button	x 1
GPS antenna	x 1
SIM Card Tray Pin	x 1

CONNECTORS

SIM Card Socket	Nano SIM (4FF)

CONFIGURATION

Firmware Update	ADM (ATrack Device Management), FOTA
Configuration Update	ADM (ATrack Device Management)

Resolution of Video Recording

Item	Front Camera (ADAS)	Rear Camera (DMS)
SD Storage (Recording)	*1080P / 720P	1080P
Event Video Auto Upload	720P (Max. 20 seconds)	720P (Max. 20 seconds)
Download Event Video Clip	720P (Max. 20 seconds)	720P (Max. 20 seconds)
Download Event Image Snapshot	720P	720P
Video Retrieval	*1080P / 720P (1 minute)	1080P / 720P (1 minute)
Get Instance Image	720P	720P
Real-time Streaming	360P	360P

*Configurable by AT$SCFG Command
Remark: 1080P (1920x1080) 30FPS 、 720P (1280x720) 30FPS 、 360P (640x360) 15FPS

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