



# AP1

Simple, Affordable HD  
Road-Facing Dashcam

## 2-IN-1: Video and Telematics Combined

The AP1 delivers video and telematics in a plug-and-play device with Advanced Driver Assistance Systems (ADAS). With fast and simple installation, the AP1 is focused on the features that keep your costs down and your drivers safe, happy and driving for you.

### Highlights



Robust driver guidance



Fast, flexible installation



Simple, slight device  
reduces complexity yet  
delivers sophistication



Road-facing HD video  
assists rather than  
annoys drivers

### Features

- GPS, 4G/LTE, HD video capture, event detection, ADAS and telematics in one
- Configurable real-time notification of events enhances driver feedback
- Compatible with *AIDE* to reduce false positive events
- 1080p HD road-facing video at 15 FPS
- Supports up to 128GB of storage
- Supports GPS to A-GPS
- Receive ADAS regardless of installation type
- Broad installation compatibility (passenger/light-duty OBDII and heavy-duty J1939)

# AP1 Technical Specifications

## Mechanical

Size	122 x 95.5 x 15.5 mm
Weight	212 g
Image Sensor	1/2.9 Inch CMOS Image Sensor
Angle of View	FOV(D) 128°

## Electrical

Input	OBDII DC 10V-32V, 2A
Output	DC 5V, 3A
Power Consumption	Max. 750mA/12V (9.0W)
Supercapacitor	2.7V/7F
Video Resolution	Up to 1080p
Recording Speed	Up to 30 FPS (Max 15 FPS@1080p)
Recording Mode	Continuous, Event, Dual Mode
Memory	8GB eMMC+1GB LPDDR3 SDRAM, Up to 128GB MicroSD
AP	ARM Cortex A7 Quad-Core@1.1GHz (MSM8909)
GPU	Adreno 304

## Environmental

Operational Temperature	-20°C-65°C
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## Communications

Antenna	LTE Main, LTE DRX, GNSS, Wi-Fi/BT	
Wireless	<b>US</b>	LTE CAT4: B2, B4, B5, B7, B12, B13, B25, B26 3G Bands: B1, B2, B5, B8
	<b>EMEA</b>	LTE CAT4: B1, B2, B3, B5, B7, B8, B20, B28A 3G Bands: B1, B2, B5, B8
	<b>Wi-Fi:</b> IEEE 802.11a/b/g/n <b>Bluetooth:</b> BT4.2 (BR/EDR+BLE)	
SIM	Nano SIM (4FF)	
Micro USB	Yes	
Speaker	23 pi, 8 ohm, 88dB	
Audio Amp	D-Class, 879mW, 4.2V/8 ohm	
Mic	MEMS, -42dBV, 59dBA SNR	
ADAS Event Types	Headway Monitoring Warning (Tailgating) Forward Collision Warning Lane Departure Warning	

## Positioning

GNSS	GPS, GLONASS, BeiDou
G-Sensor	Digital, Tri-Axial Acceleration Sensor

## Compliance

Warranty	Lifetime; Current Customers with an Active Subscription to SmartWitness Web Services
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