



## 2-IN-1 TECHNOLOGY: VIDEO AND TELEMATICS COMBINED

The AP1 delivers video and telematics in an affordable, 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

#### Reduce Friction With Drivers

The road-facing, connected camera assists rather than annoys drivers, leading to higher job satisfaction and driver retention.

#### Protect From Unfair Blame

Crystal-clear HD video documentation and evidence reduces accident, litigation and insurance-related costs.

#### Keep Drivers Safe With ADAS Features

Audio notifications alert drivers to unsafe driving behaviors, such as lane departure, collision and tailgating warnings, in real time.

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- 2-in-1 device works with an existing telematics black box or without
- Road-facing HD camera
- GPS, EMS and video telematics in one device
- ADAS with real-time driver notification
- Rapid plug-and-play installation
- Artificial Intelligence Driving Events (*AIDE*) at no extra cost
- Automated switching from GPS to A-GPS as necessary

# AP1 Technical Specifications



<b>Image Sensor</b>	1/2.9 Inch CMOS Image Sensor	
<b>Angle of View</b>	FOV(D) 128°	
<b>ADAS Event Types</b>	<ul style="list-style-type: none"> <li>- Headway Monitoring Warning (Tailgating)</li> <li>- Forward Collision Warning</li> <li>- Lane Departure Warning</li> </ul>	
<b>Wireless</b>	<b>US</b>	<b>LTE CAT4:</b> B2, B4, B5, B7, B12, B13, B25, B26 <b>3G Bands:</b> B1, B2, B5, B8
	<b>EMEA</b>	<b>LTE CAT4:</b> B1, B2, B3, B5, B7, B8, B20, B28A <b>3G Bands:</b> B1, B2, B5, B8
	<b>Wi-Fi:</b> IEEE 802.11a/b/g/n	
	<b>Bluetooth:</b> BT4.2 (BR/EDR+BLE)	
<b>Antenna</b>	LTE Main, LTE DRX, GNSS, Wi-Fi/BT	
<b>SIM</b>	Nano SIM (4FF)	
<b>Video Resolution</b>	Up to 1080p	
<b>Recording Speed</b>	Up to 30FPS (Max 15FPS@1080p)	
<b>Recording Mode</b>	Continuous, Event, Dual Mode	
<b>Memory</b>	8GB eMMC+1GB LPDDR3 SDRAM, Up to 128GB MicroSD	
<b>GNSS</b>	GPS/GLONASS/BeiDou, Support A-GPS	
<b>G-Sensor</b>	Digital, Tri-Axial Acceleration Sensor	
<b>Speaker</b>	23 pi, 8 ohm, 88dB	
<b>Audio Amp</b>	D-Class, 879mW, 4.2V/8 ohm	
<b>Mic</b>	MEMS, -42dBV, 59dBA SNR	
<b>Micro USB</b>	Yes	
<b>Supercapacitor</b>	2.7V/7F	
<b>AP</b>	ARM Cortex A7 Quad-Core@1.1GHz(MSM8909)	
<b>GPU</b>	Adreno 304	
<b>Input</b>	OBDII DC 10V~32V, 2A	
<b>Output</b>	DC 5V, 3A	
<b>Power Consumption</b>	Max. 750mA/12V (9.0W)	
<b>Size/Weight</b>	122 x 95.5 x 15.5 mm / 212g	
<b>Operational Temperature</b>	-20°C~65°C	
<b>Warranty</b>	Lifetime; Current Customers with an Active Subscription to SmartWitness Web Services	