



HARDWARE PLATFORM

AP1

Road-Facing HD
Telematics Dashcam



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



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

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