

# ADM-100

ADM-100 is an advance assistive driver management system consisted of Smart 2G IRNSS Vehicle Tracker , Driver Monitoring System and Sound box for Calling and alert management.



## KEY SPECIFICATIONS

- **LED Indication**  
Power and CPU Status
- **Battery**  
Internal Battery added in VTS
- **Dimension(LxBxH)**  
200x150x70 mm
- **Working Current**  
Sleep mode < 1mA,  
Active mode < 200mA
- **Voltage**  
8- 36V DC (From Vehicle)
- **Outer Interface**  
Vehicle & Camera interface
- **Operating Temperature**  
-20°C to +85°C
- **Humidity**  
5% to 95%  
non-condensing at +40°C

## ATLANTA SYSTEMS PVT. LTD.

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# ATL-140

## Vehicle Tracker

### KEY FEATURES

I/Os	DI: 4, DO: 3, AI: 2, RS232: 1, CAN*
GNSS & GPS Antenna	Internal High Gain Antenna
Indicators	5 LED's (Power, Charging, GSM, GPS, MCU)
SIM	E-SIM
Memory	80,000 Log Packets
Bluetooth	5.0*
WiFi	802.11b/g/n
Certification	ICAT Certified
Peripheral	Panic Button

### POWER

Voltage Range	8-36V DC
Battery	1000mAh 3.7V Li-Po

### NAVIGATION

GNSS	IRNSS, GNSS, GPS
Channels	72 Tracking/135 Acquisition Channel
Horizontal Position Autonomous	< 1m CEP @Open Sky
SBAS	Supported
Tracking Sensitivity	-162dBm
Re acquisition Sensitivity	-158dBm
Velocity	0.1 m/s CEP
Hot Start	<1 Sec
Warm Start	<1 Sec
Cold Start	<30 Sec

\*Optional

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# ATL-140

## Vehicle Tracker

### CELLULAR NETWORK

Band	2G (850/900/1800/1900 MHz)
Coding Scheme	CS 1,2,3,4
SMS	Point to point MO & MT, SMS cell broadcast

### OPERATING ENVIRONMENT

Working Current	Sleep mode < 1mA, Active mode <200mA
Operating Temperature	-20°C to +85°C
Humidity	5% to 95% non-condensing at +40°C

## Features

1. HA - Harsh Acceleration Alert.
2. HB - Harsh Brake Alert.
3. HC - Harsh Cornering Alert.
4. Battery Removal Alert.
5. FOTA and Configuration OTA.
6. OEM integration to be supported.
7. Upto 24 Hours Backup is provided with
8. History Data, Mileage, Speed monitoring and Geo Zones alert.
9. Tamper Alert and Tilt Alert.
10. Zero Error Transmission.
11. GSM Cell Tower Navigation\*\*

\*\*Additional Charges will be applicable

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# DSM

## Driver Status Monitoring System

### KEY FEATURES

Camera Interface	Support 3CH 720P AHD
Frame Rate	30 frames/sec
Data Storage	Support TF Card Storage, Maximum 512G
SIM	Plastic SIM

### POWER

Input Power Supply	5VDC / 7VDC
Power Consumption	< 5W RMS

### SYSTEM

Operating System	Embedded Linux OS
Operating Language	English
Operating Interface	GUI
Password Security	Under Password Management

### AUDIO AND VIDEO

Video Standard	PAL/NTSC
Image Resolution	720P /960H/D1/CIF
Audio Compression	G.711A, G.711U, G.726

### CELLULAR NETWORK & GPS

Band	4G LTE (B1, B3, B5, B8, B40, B41)
SMS	Point to point MO & MT, SMS cell broadcast
GPS	IRNSS, GNSS, GPS

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# DSM

## Driver Status Monitoring System

### INTERFACE

AV input	Built-in high sensitivity microphone
Audio output	Connectivity option for 5W Speaker (for SB-100)
TF card	1 High speed TF card port
Ignition input	1CH ACC signal
SIM interface	1 MICRO SIM port

### OPERATING ENVIRONMENT

Working Current	Sleep mode < 20mA, Active mode <200mA
Operating Temperature	-20°C to +85°C
Humidity	5% to 95% non-condensing at +40°C

## Features

1. IR based night vision support.
2. 940 nm Invisible Infrared.
3. CMOS Image Sensor.
4. Full HD-720P.
5. 2D-NR.
6. Face Detection and identification.
7. Accurately detecting and tracking the driver's eye movements and other behavior.
8. Alerts on smoking, yawning, distraction, phone calling, close eyes, no face, unauthorized driver.
9. Wide field of View.
10. Able to withstand the harsh conditions of a vehicle environment.

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# SOUNDBOX

An plug and play hands free audio device which can be used to communicate on call with it's high quality Speaker and Microphone . It also has Buttons for features like- Call pick and reject. Power and Status indication is also provided.

## KEY FEATURES

Switch	Power ON/OFF, Call pick, Call reject
Speaker	5W
Microphone sensitivity	50dB +/- 4dB tolerance
Frequency response	100Hz ~ 20KHz
Max undistorted amplitude	4.8Vpp
Wi-Fi	Wi-Fi 6

## POWER

Output power	5W RMS 30W (Max)
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## OPERATING ENVIRONMENT

Working Current	Sleep mode < 20mA
Operating Temperature	-20°C to +85°C
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