



EV-5001

VEHICLE TRACKER

E-Vision EV-5001 is an easy plug and play GPS vehicle tracker with GNSS, 3G and NRF Connectivity.

EV-5001 is perfectly suitable for tracking of all vehicle types (Cars, trucks, motorcycles, etc...).

EV-5001 device designed for full compatibility with over the air configuration as well as firmware updates. This feature accelerates customer application & integration via dedicated gateway solution to provide device-provisioning, deployment, monitoring, and tracking worldwide.

EV-5001 continuously monitors the vehicle status and responds instantaneously to pre-defined threshold related to time, date, motion, location, geo-zone, speed and other event combinations.



Features

- 2G/3G
- LTE Version (Optional)
- Online firmware updates
- Intelligent Power Management
- Geo-Fence Management
- GPS and GPRS indicator
- Wireless interface to support OBDII
- Remote Vehicle Turn-off
- Online \ Offline location
- SD for history storage

Specifications

General

Communication Modes	HSPA+, HSDPA, HSUPA, WCDMA, EDGE and GPRS networks and TCP/UDP/SMS
Location Technology	16 GPS active channels and 14 GLONASS active channels
Operating Voltage	12 & 24-volt vehicle systems

GNSS

Location Technology	16 GPS active channels and 14 GLONASS active channels SBAS (WAAS, EGNOS and MSAS)
Accuracy	SBAS <2.5m CEP-50
Tracking Sensitivity	-161dBm

Cellular

Modem	Quectel UC20
Data Support	SMS, TCP, UDP
GSM/GPRS	850/900/1800/1900MHz
UMTS WCDMA FDD	900/2100MHz
HSPA Data Rate	14.4Mbps (DL) 5.76Mbps (UL)
WCDMA Data Rate	384kbps (DL) 384kbps (UL)
SIM Card	1.8/3 V

OBDII Wireless Link

Operating Frequency	2.4 - 2.5 GHz ISM band
Modulation	GFSK
Maximum Output Power	0 dBm
Channel Bandwidth	2 MHz
Sensitivity	-85 dBm

Interfaces

Digital Inputs	5
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Analog Inputs	4
Serial Interface	RS232
Indicators	4 external 3V outputs
SD card	Micro SD-Card Saves location history
USB	Configuration Firmware update
GPS Antenna	SMA
GSM Antenna	SMA
OBDII Wireless Link	SMA
SIM Card	SIM
Power Switch	On/Off Switch

Electrical

Operating Voltage	8-30V DC operational for 12V & 24V
	18mA 12V (Sleep)
Power Consumption	90mA 12V (Power Save)
	130mA 12V (Active Tracking)
Backup Battery	LI-PO 1300mAh

Environmental

Operating Temperature	-10 ~ +50°C
Humidity	95%RH @ 50°C non--condensing
EMC/EMI	SAE J1113; FCC-Part 15B
RoHS	Compliant

Physical

Dimensions	52(L) x 57(W) x 28(H)mm
Weight	80g (Without Battery)

Applications



Basic Fleet Management

Online vehicle location, status and track history are the main aspects for basic functions of any fleet management solutions, including ability to turn off the vehicle engine in case of theft. NRF Integration with OBDII extend the capability of the device to report actual vehicle status that help the Fleet service providers to enrich the reports information for more reasonable decision making.



Car rental & leasing

Current vehicle location, status and track history are the main aspects for all rental service providers. Prevent theft with remote car lock management, receive notifications about possible contract violations, monitor driver behavior and areas where vehicle is driven – obtain standard tracking information and gain full control of your fleet.



Insurance Telematics

Main reasons for insurance payouts are car accidents and thefts. Real time tracking, warnings when theft attempt or crash is detected, with possibility to trace accidents – all this to determine culprit and reduce expenses when unforeseen event occurs.



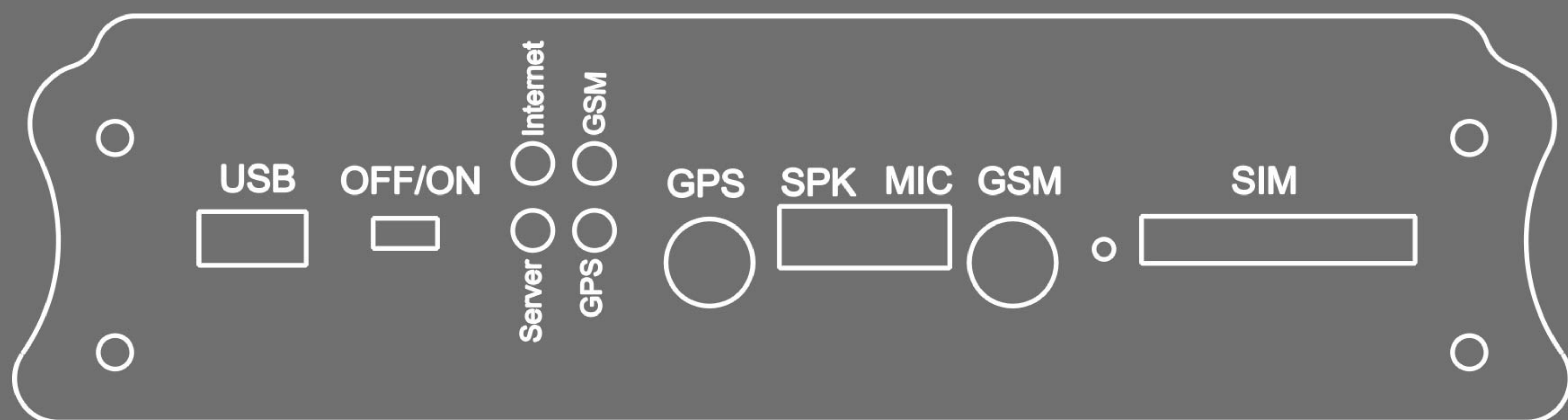
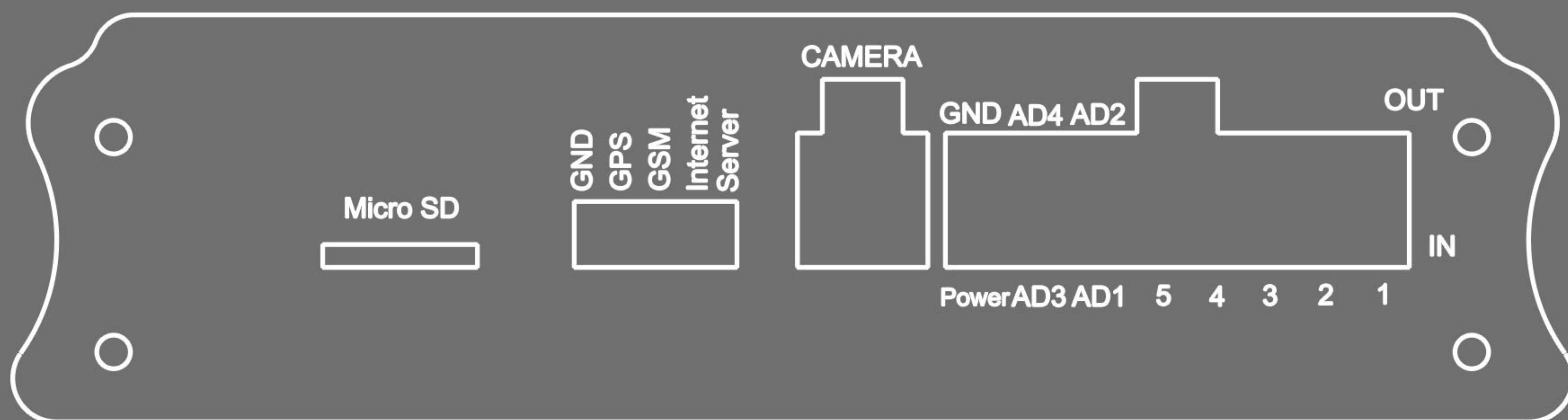
Courier delivery service

Quick and professional distribution of goods is the key to profit in delivery business. Route optimization can reduce your fuel expenses up to 30%; Gain full control of your fleet and resources with our solutions.



Taxi

For Taxi Company to be competitive and profitable, you must have the most innovative technology on your command. It is not enough to deliver customer from point to point, you need to ensure safety and traceability. Send pick up destination, acquire necessary routing and fuel consumption information – manage your fleet with our solution for taxi business





About E-Vision

E-Vision is a fast-growing IT development house, where we design and develop professional Business Solutions which are presented to our customers with the most easy and friendly to use interface. e-Vision doesn't only stop at developing concrete business solutions; it also offers its clients the luxury of getting uniquely attractive designed IT solutions to help each company interpret who they really are among their peers through the internet.

Simplifying professional Business Solutions to our partners has allowed us to increase our activities with improved quality over a very short time. e-Vision specializes in offering ICT business solutions and services in a wide range of areas, catering for a multitude of industries. With years' experience in management consulting, IT, Development & training we are proud to have worked with several of the largest organizations in the region, providing high quality services and optimal satisfaction.

