



Vehicle Tracking



Complete solution (HW and SW) for on-line AVL (automatic vehicle location)

Vehicle Tracking incorporates A-GPS (Assisted Global Positioning System) and AVL (Automatic Vehicle Localization) technologies. This powerful system enables off-line and on-line tracking, as well as vehicle fleet management. Vehicle Tracker is here for all who want to have comprehensive schedule and control of their vehicle movements. Its main function is to save your company money by reducing the costs. On-line version also contributes to the safety of driver, vehicle, and cargo.

Car Set - Vehicle Unit VTU 010

It consists of GPS antenna with 50-parallel satellite tracking channels with over 1 million effective correlators, managed by microprocessor with the memory for 120 000 records, and configurable interval of records. GPS with high sensitivity enables acquiring of satellite signals in areas where there is bad or no sky view. Data from the memory can be replayed or deleted according to your individual needs. Date, time, speed, distance, azimuth, location, altitude, and number of satellites in view are being recorded as well. This flexibility underlines its different possibilities. Thanks to its small dimensions (123 x 50 x 20 mm) and low weight it can be easily and secretly installed into almost any vehicle. It is resistant to humidity, low and high temperatures, and vehicle vibrations.

Detailed Technical Specifications

GPS module:	Assisted GPS type U-blox 5
Antenna:	GPS antenna and GSM quad band inside
Vehicle unit:	VTU 010
Power	7~35V
Power consumption in full communication (average):	80 mA / 12V
Power consumption in sleep-mode:	3 mA
Intelligent power management	
Internal battery:	1800 (3600) mAh for at least 14 hours running without external power
Flash memory:	120 000 records
Digital input (protected):	2
Dimensions:	123 x 50 x 20 mm
USB	
3D accelerometer	
Intelligent power management	
Panic button	
Alarm – external power off, I/O	
Geofencing, alarm geofencing	
GPS data output	
2 way TTL serial data communication	
LED for battery, GPS, GPRS status indication	
Settings by SMS, GPRS and USB	
Update firmware by GPRS or USB cable	
USB connection	
2 programable buttons	
1 configurable output	

Control Center Equipment

Our user-friendly map software Map Explorer covers Europe up to the street level in most cities and towns. This enables vehicle data processing and their evaluation. Other important functions are replaying of the journeys, overview of the static data, settings of the car unit, and preparation of data for Electronic log book which is made of stored data (date, time, location, etc.). Software enables data export to e.g. Excel or other softwares for evidence and processing of all data connected with vehicle operations, e.g. SPZ 2007 made by Milk Computers. Whole system works automatically and does not give the driver an opportunity to intervene to stored data and therefore the result is accurate, and undistorted.

Software runs on PCs with OS Windows 2000/XP/Vista a Windows 7.

