

# Vehicle Tracking Unit 86VT



## Overview

Visiontek 86VT Vehicle Tracking Unit consists of a built-in GPS receiver, GSM modem and battery for back up during failure of external power. The unit is provided with RS-232 port for configuration of the device. The unit is also provided with voice port for connecting headset for two-way communication and a buzzer for incoming call indication.

The unit is provided with internal battery with charging facility for back-up during external power failure. The unit also equipped with two digital inputs in addition to Ignition ON/OFF detection and one digital output for driving external relay circuit. The device is also equipped with intelligent power management for detecting the external power removal / failure. When external power is removed or failed, communication will be sent to the pre-define number/server.

All the communication with the user/server is handled by Tri-Band GSM/GPRS module which accurately delivers all the navigation data. The communication is either through Short Message Service (SMS) or GPRS network. The unit can be remotely configured (OTA Configuration). In addition the unit is provided with two switches for Voice & SMS communication with pre-defined numbers.

20 Chanel GPS Receiver    GSM GPRS Communication    Built in Battery    Digital I/O Ports\*

## Application Areas

- Logistics
- Fleet management
- Commercial Vehicle Monitoring
- Public Transport Systems
- Delivery & Courier services
- Taxi Services
- Emergency Vehicles and Security



Antenna



LED Indicators

## Features

- Tri-band 900/1800/1900 MHz GSM/GPRS Module
- 20 Channels GPS receiver (SiRF III)
- RS-232 Serial Port
- Built-in battery
- Two Digital Inputs \*
- One Digital Output \*
- Ignition ON/OFF detection
- Wide DC input voltage range (9V-30V)
- Local & Remote Configuration (OTA)
- Support TCP, UDP & HTTP \*
- Real Time Clock (RTC)
- On-line and Off-line tracking
- LED indication for GSM, GPS and Power status
- Switch for voice & SMS communication
- Buzzer for incoming calls indication
- Provision for configuring Five incoming call numbers
- GSM + GPS Combo antenna
- SMS / GPRS Communication

## Benefits

- Acquire, monitor and transmit the vehicle position
- RS-232 port for configuration of parameters
- Data transmission through SMS or GPRS call
- GSM, GPS and Power LED indications
- Battery reverse protection
- Low power consumption
- Remote configuration Over The Air (OTA)

## Specifications

Module	900/1800/1900 MHz Tri-band GSM/GPRS module 20 channel GPS receiver (SiRF III)
System	GSM, GPS
Output	Class 4 (2W for GSM 900) Class 1 (1W for GSM 1800)
SIM (RUIM) Interface	External SIM 1.8V & 3V
SMS	Supports Text
GPRS Packet Data	Class 10; Coding Scheme CS1 to CS4
LED Indication	Power GSM GPS
Connectors/Switches	RS-232 Serial Port SMA antenna connector for GSM SMA antenna connector for GPS Voice port (Headset) for two-way voice communication Switch for emergency SMS Switch for emergency voice call
I/O Ports	1x ignition ON/OFF detection 2x digital inputs * 1x digital output *
Power Supply	Wide DC input voltage range (9V - 30V)
Internal Battery	Internal battery: 7.4/1700Ah Li-ion
Enclosure	Aluminum
Temperature	Operating: -10°C to +55°C Storage: -40°C to +85°C
Humidity	5% - 85% RH
Dimensions in mm	109 x 86 x 38 (L x W x H)
Weight	370 grams
Antenna	GSM + GPS Combo antenna
Software	PC Utility for configuring the unit

Note: We pursue a policy of continuous research and product development. Specifications and features are subject to change without notice

\* Indicates Optional Feature