The DL-100 is a unique with USB interface for vehicle tracking device in use friendly. DL-100 uses the Global Positioning System (GPS) to record vehicle movement, speed, route and duration of stops. This information can be displayed on a GIS mapping with MapInfo formatted while download data to P.C. so user can view vehicle activity in precise details. Additionally, DL-100 can be used as a receiver for navigation while user connected the unit to PC or Notebook.

Features

- Easy USB connector to PC/Notebook
- Receiver, Twelve parallel tracking channels
- Fast TTFF and low power consumption
- Support Standard NMEA-0183 protocol at 4800 bps
- DGPS : WAAS/EGNOS
- On-board rechargeable battery sustained real-time clock and memory for fast satellite acquisition during power-up
- For both of Log and Navigation
- Large capacity for continuous records for 25,000 positions

Applications

- Land/Marine Navigation
- Telematics
- Fleet Management
- Asset Tracking
- Timing Reference

Specification

Features	Description
General	L1 1575.42MHz, C/A code, 12-channel, Carrier-Aided with HWTrack©
Sensitivity	-143 dBm minimum
Update Rate	1Hz
Accuracy	Position: 15m CEP without S/A Velocity: 0.1 m/sec without S/A Time: ± 1μs
WAAS Accuracy	Position: 5m CEP Velocity: 0.05m/sec
Acquisition	Cold start: 45sec (average) Warm start: 38sec (average) Hot start: 8sec (average)
Reacquisition	<100msec
Dynamics	Altitude: -1000m to 18000m Velocity: 500 m/sec Acceleration: ±4g
Protocol	EverMore Private @ 4800/9600 baud, 8-None-1 NMEA-0183 v2.20 @ 4800 baud, 8-None-1
Datum	219 standard datum, default WGS-84
DGPS	WAAS/EGNOS
Antenna	Built-in Patch Antenna
NMEA Message	GGA, GLL, GSA, GSV, RMC, and VTG
Dimension ; Weight	93*84* 31mm / 94.8g

Power Specifications

Features	Description
Charger Power	5V ±0.5Vp-p ripple
Current Consumption	160 mA

Interface Specification

Features	Description
Interface	USB Connector

Environmental Specification

Features	Description
Operation Temperature	-20°C to +70°C
Storage Temperature	-40°C to +90°C
Operating Humidity	5% to 95%

*

Preliminary Specification, Subject To Change Without Notice