



## DigiSAFE V-Tracker

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DigiSAFE V-Tracker is a compact GPS / GPRS transponder designed for vessel tracking and identification along coastal areas or inland waterways where GSM coverage is available. V-Tracker is designed to be installed onto different type of marine vessels, from fishing vessels to pleasure craft and large cargo ships. It is the ideal solution for vessels monitoring without deploying Automatic Identification System (AIS) transponder.

V-Tracker utilizes the latest GPS technology and GSM / GPRS mobile system to provide a reliable GPS position reporting for remote fleet management system. This allows maritime authority, security organization or fleet manager to monitor and coordinate the activities of their assets remotely. Moreover the built-in emergency alert feature provides an additional safeguard to the vessel and crew against piracy and acts of terrorism.



V-Tracker is a compact, and self-contained unit that can be rapidly deployed onboard most vessel. With built-in GSM / GPS antenna, the installation is simple without extra cable connections for antennae. The operation of V-Tracker is autonomous and no user intervention is required. V-Tracker can be powered by vessel's power supply whenever possible and it will transmit positioning information to remote fleet management system continuously. If GSM coverage is inadequate, data is first stored into on-board memory and sent when GSM communications resume. V-Tracker has sufficient on-board memory to store up to two hours of positioning data based on a 5-second update interval.

## Features and Benefits

- Intelligent positioning and event reporting
- Rugged design conform to IP67 standard for harsh marine environment
- Self-contained unit – no external antenna
- Utilize GPRS for the communication link
- Data logging when out of GSM coverage, ensure no lost data
- Over-the-air configuration of parameters and firmware upgrade
- Panic Button for emergency alert
- Easy integration to vessel management system

## Applications

- Port and Maritime security: to identify and track the movement of port and coastal vessels, tug, barges, fishing vessels and other commercial vessels.
- Vessel management system: to track and coordinate the activities of vessels.

Authorized Reseller:

## Specifications

- Tri-Band GSM module (GSM 900/1800/1900)
- 16-channel GPS receiver
- Emergency Alert: Panic button (external connection)
- Internal GSM antenna
- Internal active GPS antenna
- Data logging memory : up to 2 hours of GPS record based on 5 sec reporting interval
- Communication and interface port:
  - 1 x internal RS232 port (3 pins)
  - 1 x internal SIM card slot
  - 1 x external 4 pins port (IP67) for external power input and panic button
- Indicators: 2 x LEDs for operational and battery status
- Internal backup battery : rechargeable battery, last of 2 hours of operation without external power source
- Power Input : 9V to 28VDC (external connection to vessel's DC supply)
- Mechanical:
  - Dimension: 145mm x 120mm x 56mm (without external shade cover)
  - 180mm x 128mm x 63mm (with external shade cover)
- IP67 mechanical design
- Environment Specifications:
  - Operating temperature : 0°C to +55°C with built in battery
  - Storage temperature : 0°C to +60°C
  - Relative Humidity: 95% non-condensing
  - EMI/EMC: FCC Part 15B

## Accessories Included

- 5m cable assembly with IP67 connector, for power input and panic button connection
- External shade cover

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