

Deep-IVT

Instant Vehicle Tracking

Deep Instant Vehicle Tracking (Deep-IVT) is the only cost-effective vehicle navigation solution with the continuous performance now demanded for safer, more efficient driving – everywhere vehicles go.

High Precision

Deep-IVT offers continuous decimeter level positioning accuracy with single-frequency GNSS signals all using low-cost consumer and automotive level chips, sensors and modules

Fast Convergence

Deep-IVT offers fast convergence within seconds, ready to support operational applications requesting instant solutions such as vehicle navigation, ADAS, fleet, mobility and mobile device applications.

Customization

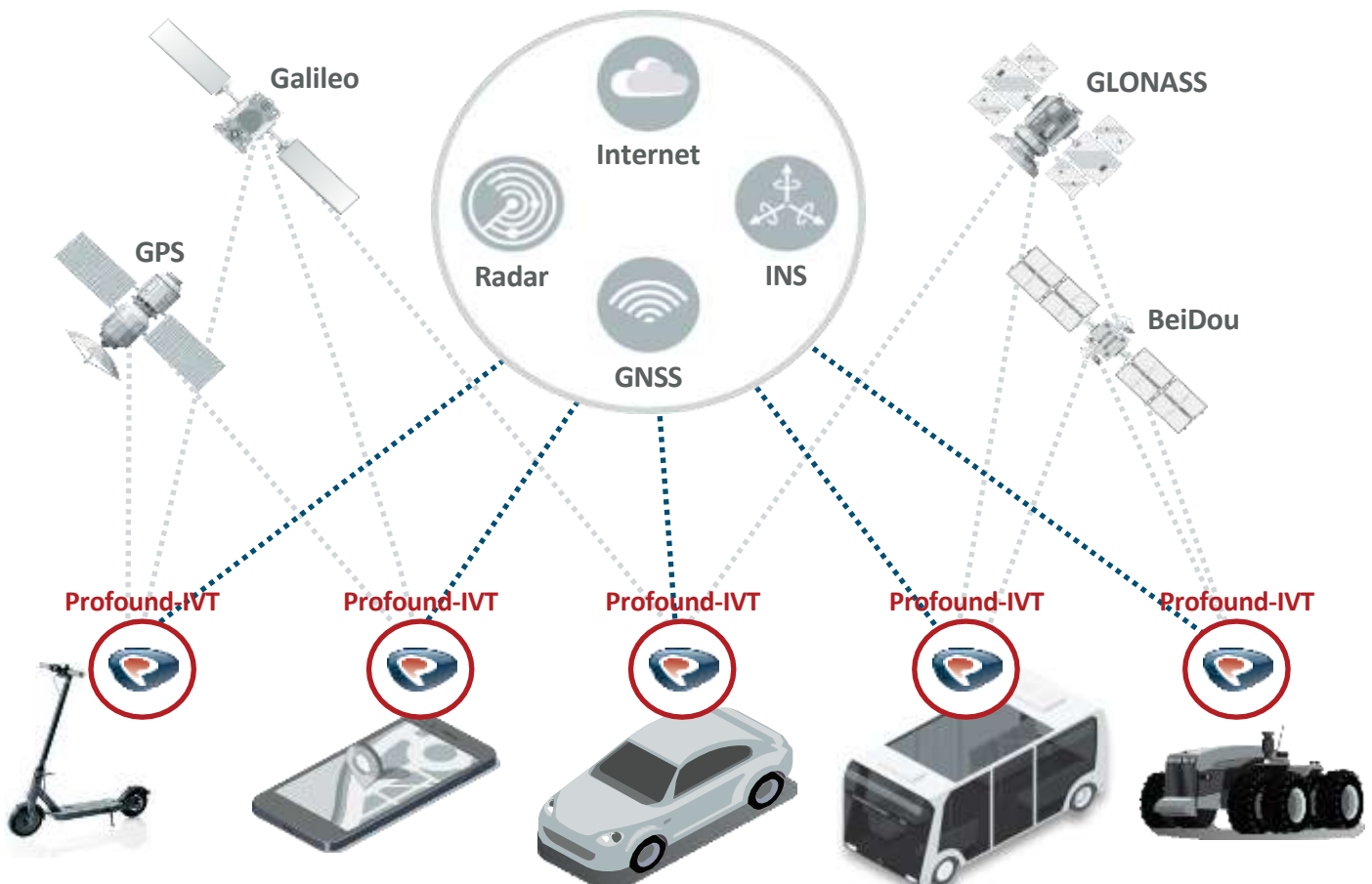
Deep-IVT can be customized to work with various navigation chips and modules and run in real-time with different mainstream processors.

Continuous Availability

Deep-IVT offers worldwide precise and consistent positioning and navigation solutions. Deep-IVT starts anywhere, even in challenging environments such as tunnels, parking garages and dense urban settings.

Radar Enhanced

Navigation and hazard avoidance in both indoor and outdoor environments under adverse and challenging operating conditions. Deep's radar technology is immune to degraded vision conditions, and operates independent of infrastructure.



Profound-IVT

Instant Vehicle Tracking



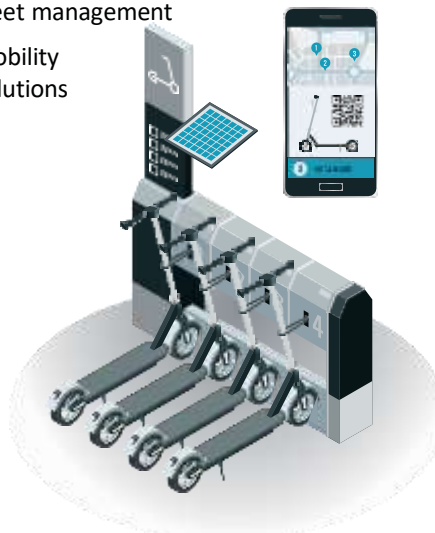
Key Features

- Precise: Decimeter level accuracy plus orientation and velocity
- Instant: Resolution < 5s
- Continuous: Performs in tunnels, dense urban environments, multi-level highway junctions, and parking garages.
- Starts Anywhere: Even without initial GNSS
- Supports all current GNSS constellations.
- Low-cost: Suitable for large scale vehicle deployment
- Insensitive to latency and loss of augmentation data.
- Based on firmware library and rapidly adaptable to any navigation platform.

Target Applications

Precise location information obtainable at low-cost plays a crucial role for mass-market applications such as:

- Advanced Driver Assistance Solutions (ADAS)
- Autonomous Vehicle Navigation
- Mobile Device Applications
- Fleet management
- Mobility solutions



By novel integration of low-cost GNSS, PPP technology, Inertial Systems and Radar, Profound-IVT is an ideal precise positioning solution for mass-market applications and as a turnkey for OEM manufacturers and system integrators to develop quick-to-market products.

Profound-IVT

Accuracy
of 0.5 m CEP

