



emvPOD™

Emergency Priority on Demand

When getting there quickly and safely is critical!

emvPOD™ "Emergency Vehicle Priority on Demand" offers best value in service and reliability:

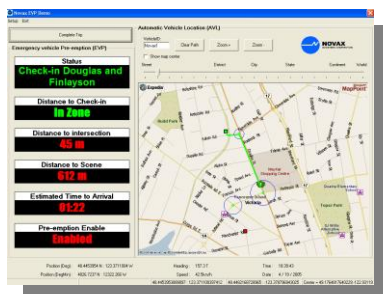
- Non-intrusive (minimal installation and service)
- No on-street detection equipment required
- Lowest installation cost
- Lowest cost to maintain
- Secure against unauthorized use
- Real-time remote monitoring (and logging)
- Virtual Detection point setup for easy adjustment



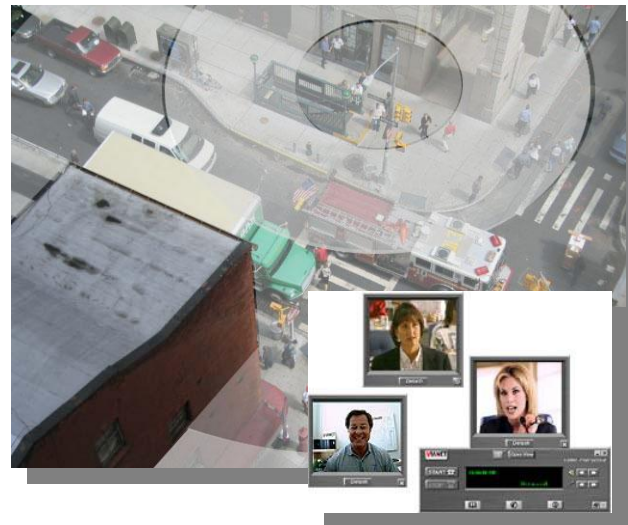
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Optional features for greater value:

- Capability to provide real-time positional information to a central dispatch system (AVL).
- Enhanced tactical communication improved by real-time on-board video/VOIP.
- Multi-application; system can be also shared with Transit priority use (TransPOD™) without disturbing effectiveness of EMV needs.
- Capability to utilize positioning system and onboard computer for recording missions for future playback and education.
- Future adaptive capability to modify priority strategy dynamically in real time relative to changing traffic conditions via a software upgrade.
- Capability to work with existing preemption system to add enhanced features (e.g.; add AVL and VOIP to your infrared based preemption system).



1.1.1



1.1.2 Key Features of Onboard PRG & PRS System

- ❑ Remotely configurable software system to achieve accurate and dynamic TSP
- ❑ Non-volatile data storage with outstanding long-term performance
- ❑ Sophisticated power management to ensure data integrity
- ❑ High performance x86 AMD Processor with Linux OS for reliable system operation
- ❑ Industrial PC104 format to ensure future product support
- ❑ Power interface to suit most electrical vehicle power systems
- ❑ Input and output options to support Serial, Ethernet and GPIO signals
- ❑ Designed to meet the rugged requirements of mobile electronic systems
- ❑ Standard interfaces to existing on-board AVL and Fleet Management systems and traffic signal systems



Key Features of Onboard PRG System

The PDS is part of the Transit Signal Priority (TSP) system. On-board the bus the PDS provides accurate position information to equipment known as a Priority Request Generator (PRG).

The PDS is based on an off-the-shelf GPS receiver together with proprietary firmware that enhances the performance of the system by providing accurate position updates even in the absence of reliable GPS updates using dead-reckoning data derive from the vehicle's odometer, a sensitive rate of turn accelerometer and pre-determined route information.

