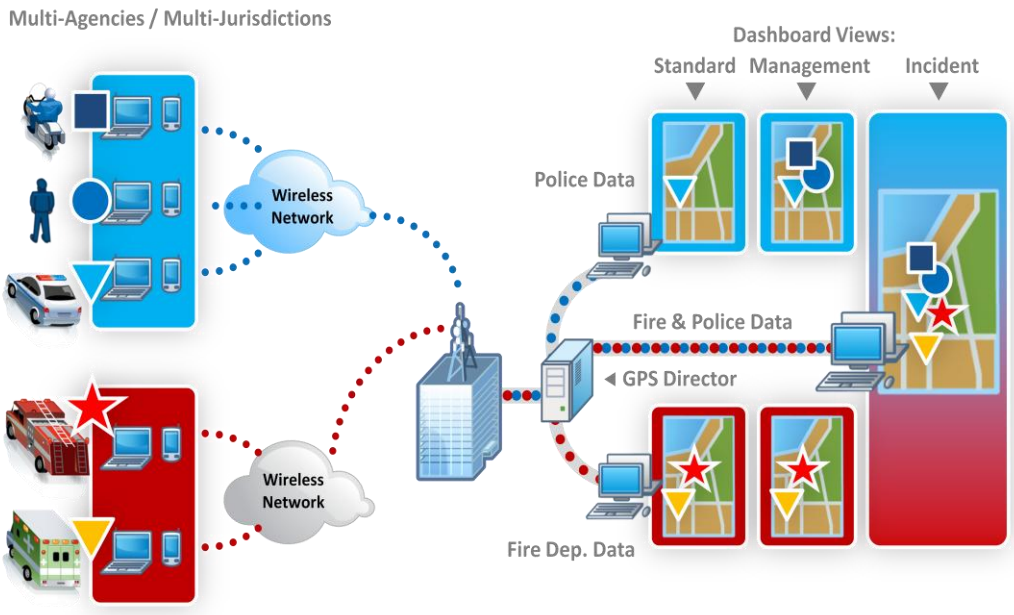
The location of deployed mobile fleets and human resources in states, counties and jurisdictions must be reliably tracked in real-time. Add to this challenge the cross-disciplinary nature of multiple agencies – police, ambulance, fire, utilities and public works – and the difficulty of tracking and managing location data for these disparate groups gets even more complex.

Enhance your Mult-IP Mobile VPN

Customize your solution with patented GPS data management

GPS Director™, designed for public safety mobile fleets, is a patented, centralized GPS data management aggregation tool that continuously monitors all mobile units equipped with GPS devices (mobile computers, cell phones, radios, wireless modems). To ensure accurate location reporting, each individual GPS device in a fleet can be tracked separately via a unique virtual IP address, and is further designated and tracked as a member of a larger functional group. GPS Director converts all received GPS data and sends it in the required format to the appropriate back-end system, such as AVL, CAD/RMS or popular off-the-shelf mapping products such as Microsoft® MapPoint Fleet Edition.



Even though there are several GPS protocols on the market, not everyone can adapt to what currently exists.

GPS Director's powerful scripting tool provides the flexibility to modify the GPS file format when required. This removes the need for special software coding which translates to savings and lower risk. Applications do not have to adapt, GPS Director adapts itself for the application.

GPS Director unifies incompatible GPS technologies. It shares GPS data regardless of fleet size, device type, transport means or back-end GPS application data format requirements.

Simultaneously transmit GPS data to multiple locations on the LAN/WAN and to multiple back-end hosts (AVL, CAD, Command & Control units, etc.) regardless of the standard/proprietary protocol or the transport protocol.

Centralized Real-Time Mobile Management

GPS Director allows administrators to monitor every GPS receiver deployed in the jurisdiction from a single location. Whether it is the patrolman's mobile computer or a fire engine truck, each mobile asset is identified by device-specific addresses ensuring total precision. At the agency level, management is facilitated by logical grouping of individuals into respective departments.

- Monitor GPS information per device or per agency from one central location.
- Retrieve fleet-wide information transmitted via multiple sources or wireless networks.
- Assign a virtual IP address per GPS emitter.
- Assign mobile devices to one or more groups and activate/deactivate groups dynamically.
- Facilitate the sharing of GPS information and interoperability between jurisdictions and agencies.
- Receive GPS data in the required protocol and format.

Knowledge is Power

Tailor data to the application

GPS data is only as good as its usability in a multi-agency environment. The fire department may use an NMEA-based CAD system while the sheriff's department uses a TAIP-based AVL system. Not only does GPS Director seamlessly translate the GPS data in order to be application compatible, but it also identifies the application destination and means of transport by GPS device. By creating this interoperable environment, both fire and sheriff can share GPS data while maintaining their department's application specific needs. The technology no longer being a roadblock, the sharing of GPS locations is now possible for critical operations.

Additionally, in a multi-agency crisis situation, GPS Director enables administrators to decide which group will receive the GPS data and control which group is active and which one is not depending on the operational environment.

Technical Specifications

Input Format

Supported standard GPS protocols:
- TAIP (Trimble)
- NMEA 0183 v2.3

Supported transport protocols:
- UDP/IP
- TCP/IP

Supported proprietary GPS format/network:
- Dataradio G2/DCF
- Harris OpenSky
- TETRA
- Motorola DataTAC
- MAPI

Output Format

Supported standard GPS protocols:
- TAIP (Trimble)
- NMEA 0183 v2.3
- Scripting allowing any kind of format

Supported transport protocols:
- UDP/IP
- TCP/IP

Operates on:
Windows® Server 2008 R2

Radio IP
Redefining Secure Mobility