



BI LOC8

Track offender location and movement in near-real time 

Key Features

Tracking Unit

- Size: 4.125 x 2.5 x 1.25 inches
- Weight: with battery, strap – 5.5 oz
- Form & Fit: curves to leg
- Waterproof to 15 feet
- Flash memory
- Internal diagnostics
- Cordless battery charging
- 24 hours of battery life on a single charge
- Fiber optic strap
- Wi-Fi indoor/secondary tracking
- Accelerometer/MEMS motion sensor
- Memory of 50,000 events
- Client communication (Spanish and English): vibration, speaker, LEDs, audible alarms, client acknowledgement
- Multiple layers of tamper detection
- Customizable reporting rate

Online Monitoring

- Designed for community corrections officers
- 24x7x365 online access
- Easy to learn and use
- Customized home page
- View caseloads at a glance
- Mapping playback

The Next Generation of GPS Offender Tracking from BI

Along with near real-time location data, GPS systems can also produce more information for officer interpretation and response. Officers need the flexibility to customize when and how they receive offender location data while incorporating the newest technology available to ensure the data and alerts they receive are accurate – all in one piece of equipment for easy installation and inventory management.

Product Overview

BI LOC8™ is a light, compact, one piece, ankle-mounted device that tracks offender location and community movement in near-real time (as frequent as every 15 seconds). In standard operation, LOC8 searches for a location fix multiple times per minute, and records the best point every minute. The GPS location technology includes Assisted, Autonomous GPS and CellLocate™ for optimal performance in various impaired GPS locations, along with the ability to utilize Wi-Fi signals. BI leverages the massive location databases being built by companies, to create a more robust offender tracking product.

Wi-Fi – Indoor Tracking & Secondary Location

Location requests to a provider are performed using Application Programming Interface (API) calls from the host at BI, meaning an offender tracking device sends in Wi-Fi data and the host receives a location back from the provider. The tracking device scans for surrounding Wi-Fi Access Points (APs) and submits the list of APs and their signal strengths to the host, and a latitude/longitude coordinate is returned to render a location on the map.

Client Communication Options

The built-in speaker provides the capability for officer-offender communication. Officers generate pre-record messages and prompts within the monitoring software, and specify when messages should be sent. Both the waterproof speaker and the vibration sensor notifications are acknowledged by the offender tapping the device case. This motion sensor tap acknowledgement is simple to use and provides more reliability than pushing buttons that break easily. The ability to notify the offender through a vibration also means that notifications can be sent to hearing impaired offenders.

Removable Battery for Cordless Charging

LOC8 is equipped with a removable battery, allowing offenders to remove and insert it into an external charger while installing a fully charged battery, with an internal battery that functions while the external battery is charging. Offenders have the option of carrying a spare battery and replacing a low battery in seconds if needed. LOC8 also has a flash memory which preserves all memory, even if the battery is depleted.

Intuitive Monitoring Software

Designed specifically for community corrections officers, the BI TotalAccess® software platform is easy to learn and use. Offender information is stored in a central, secured monitoring system and available to officers by any computer with internet access (Internet Explorer 8.0 or higher). This allows officers to quickly and easily view their entire caseload at a glance, and customize notification settings for each offender. The system also supports varying user-levels and settings for agencies and officers.

The TotalAccess software uses industry-leading mapping technologies, Bing® Maps, to provide visual maps (2-D and 3-D) for creating inclusion and exclusion zones and viewing client movement. Officers can simply draw points on a map screen and create a series of zones and color code them for zone identification. BI is currently developing a compatible Beacon for this device series.

