

MicroSearch®

Reliable, Efficient Human Presence Detection for a Variety of Inspection Applications



MicroSearch®, ENSCO Rail's human presence detection system detects unauthorized individuals hiding in vehicles or containers by sensing the vibrations caused by the human heartbeat. MicroSearch is ideal for border crossings, maritime ports, correctional institutions and portal/entries to high value facilities such as embassies, courthouses and other federal buildings.

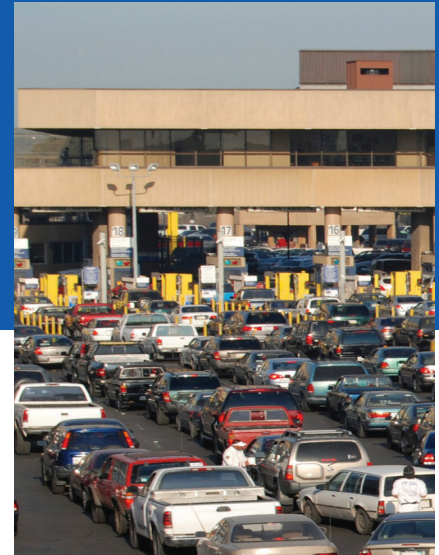
MicroSearch delivers reliable, efficient performance and offers the following benefits:

- **Reliability** — Accurate results in a variety of environmental conditions, including dry, dusty, wet and hot/cold environments
- **Speed** — Fast processing for maximum efficiency
- **Accuracy** — Lower false alarm rates than any other available product
- **Safety** — No risks to operator or detected persons during operation
- **Unmatched flexibility** — Portable and industrial versions meet your environmental or operational requirements
- **Economy** — Far less capital-intensive than dedicated vehicle/cargo X-ray machines
- **Light, compact sensors** — Twice the holding power of previous sensors
- **Flexible cabling** — Heavy duty connectors for maximum cable life
- **Superior data transfer** — High-speed USB interface between the control box module and host computer

**Introducing MicroSearch;
the third generation
human presence detection
system. Delivering superior
performance in the
harshest environments.**



MicroSearch detects unauthorized individuals hiding in vehicles and containers.



MicroSearch offers fast processing for maximum efficiency.

MicroSearch operates in two modes: *standard* and *enhanced*, delivering superior performance in a variety of environments. The enhanced mode uses two additional ground sensors and upgraded software and offers active ground vibration cancellation, making it ideal for challenging operational environments such as busy border checkpoints, seaports and high traffic inspection areas. The system can be upgraded from standard to enhanced operating mode quickly and easily in the field with a retrofit kit and new software load.

MicroSearch System Components

Enhanced Mode	Standard Mode
<ul style="list-style-type: none"> • (1) Host computer* • (1) Control Box Module • (1) AC Adapter: AC 100V-240V 50/60Hz • (1) 10' (3m) USB Cable • (6) 50' (15m) Sensor Cables (includes one spare) • (3) Vehicle Sensors (includes one spare) • (4) Ground Sensors (includes one spare) • Null Modem RS-232 Cable 	<ul style="list-style-type: none"> • (1) Host computer* • (1) Control Box Module • (1) AC Adapter: AC 100V-240V 50/60Hz • (1) 10' (3m) USB Cable • (4) 50' (15m) Sensor Cables (includes one spare) • (3) Vehicle Sensors (includes one spare) • (2) Ground Sensors (includes one spare) • Null Modem RS-232 Cable

* See MicroSearch Host Computer Specification Sheet for additional details

MicroSearch Software

- Microsoft Windows® Operating System
- MicroSearch Human Presence Detection Software (Standard or Enhanced version)
- MicroSearch Vehicle Logging and Reporting Database
- Desktop security software
- Current to Windows OS
- Output Signal Capability to be Integrated in Third party Security System

MicroSearch®
For Security that Doesn't Miss a Beat

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