

MicroSearch[®]
For Security that Doesn't Miss a Beat

The logo features the word "MicroSearch" in a bold, white, sans-serif font. A red horizontal line underlines the text, which then continues as a red heartbeat line extending to the right. Below the main text, the tagline "For Security that Doesn't Miss a Beat" is written in a smaller, white, sans-serif font.

What is MicroSearch?

MicroSearch® is a patented, human detection security system used to search vehicles for unauthorized individuals. It provides safer, more reliable results than manual searches—in a fraction of the time. Applications include international border control, air and port cargo security, prisons, and any other scenario that involves inspecting vehicles or containers for illegal stowaways.

How Does MicroSearch Work?

MicroSearch includes a computer, small sensors, and cables. The sensors, when placed on a vehicle or a container, determine whether a human is present inside, without having the time-consuming and expensive task of unloading and inspecting the entire vehicle or container.

The sensors, similar to those used to measure earthquakes, measure the tiny movements or vibrations transmitted to a suspension system (either the vehicle's or an independent one) by the heartbeat of a human inside. Software detection algorithms focus on the specific range of vibrations a heart makes. Based on the vibrations, MicroSearch indicates if an individual is present. In mere seconds, MicroSearch can determine whether or not a further search is required.

MicroSearch feature	Benefit over other methods
Human presence detection in seconds	<i>Significantly better than manual searches, which can take more than an hour for loaded tractor trailers or large containers.</i>
Ability to search vehicles and containers of all types and sizes	<i>Manual searches are only necessary if MicroSearch determines human presence.</i>
Rugged system	<i>Sensors and computer can operate in extreme climates, including dry, dusty, wet, and cold environments.</i>
Fully integrated vehicle visitor log	<i>Simple user interface that accurately monitors, controls, reports, and archives vehicle or container data.</i>
Fast, accurate results	<i>MicroSearch technology is more reliable and cost-effective than other sensor approaches. It is safer and more time-efficient than manual searches.</i>

Integrated Database

MicroSearch includes an easy-to-use system interface with a data log that not only controls the human presence detection sensors, but also monitors, manages, and reports inspection data. The data can be archived, retrieved, and printed for off-line trend and frequency analysis.

Features include:

- check-in/check-out data
- re-orderable entry listings
- a configurable audible alarm
- a restore utility
- easy bypass of log-in when non-logged vehicle/container testing is required

Security Applications

Immigration

MicroSearch is an ideal security tool for border crossings throughout the world, where illegal aliens and/or potential terrorists may attempt unauthorized entry into a country or territory as a stowaway.

Cargo Security

MicroSearch is the ideal security tool for screening both vehicles and cargo containers prior to being loaded onto airplanes, ships, and rail cars. Large trucks exiting seaports can be inspected quickly for illegal immigrants or other individuals attempting to gain unauthorized access.

Corrections

MicroSearch is currently deployed in dozens of correctional facilities throughout the world. The large number of vehicles entering and exiting a prison requires security devices that can ensure that no inmate or prisoner escapes. Prison services, prison industries, inmate visitors, and staff vehicles can all be monitored quickly and non-invasively.

Critical Infrastructure Protection

Critical buildings and assets including embassies, military installations, and federal and civilian buildings, can benefit from the increased security that MicroSearch provides. The system helps ensure that no one is gaining unauthorized entry into buildings and facilities. MicroSearch can quickly and accurately add a level of security, while simultaneously freeing security personnel to attend to other critical duties and responsibilities.

MicroSearch Platforms

Desktop Configuration:

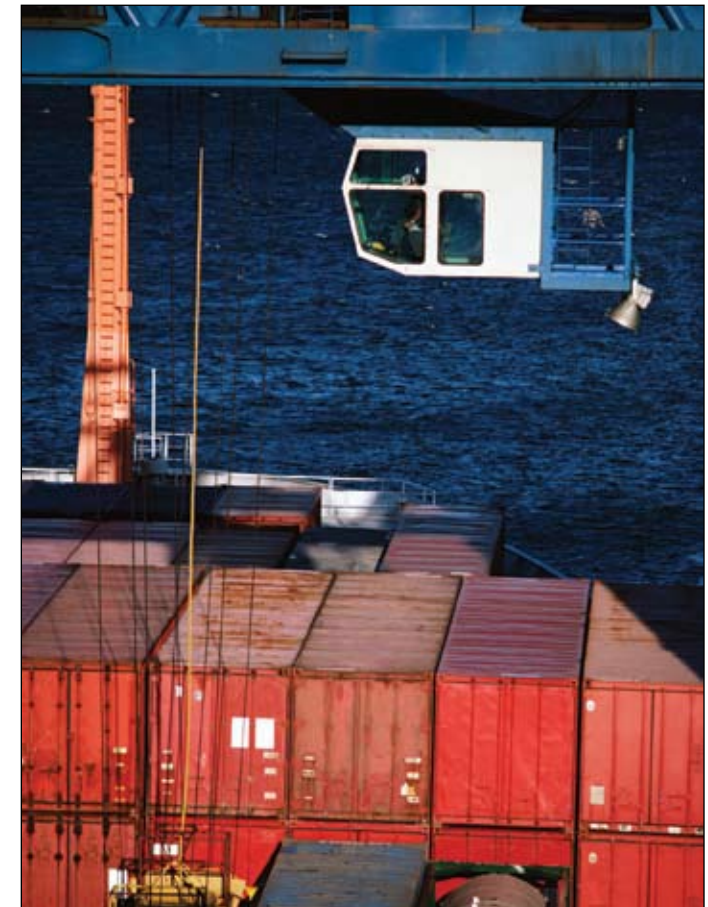
This computer with color monitor display (touchscreen optional) offers a small footprint and the convenience and cost-efficiency of a desktop configuration.

Portable Laptop Configuration:

For maximum portability, MicroSearch's briefcase configuration offers the ability to use the system anywhere, anytime, and to share one system among multiple locations. It is offered in a self-enclosed, rugged notebook computer similar to what military forces use.

Industrial Configuration:

Contained in a heavy-duty stainless steel chassis with an aluminum front panel, the NEMA-4 compliant configuration offers a ruggedized computer that is environmentally sealed and water tight, and has a color touchscreen display.



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Specifications (standard to all platforms)

Hardware:

- Host computer
- Two footed sensors
- Two magnetic mount sensors
- One electronics junction box
- Cable retractor system (optional)
- All cables
- Transit case

Software:

- MicroSearch Detection System
- MicroSearch Vehicle Database

Operational Requirements*:

- Standard 110 or 220 volt AC power for computer and printer
- 12 volt inverter for vehicle (optional)

**To maximize system accuracy, an enclosed structure or portal is recommended. For operation in non-enclosed areas, please contact us for an evaluation.*

Installation and Training:

Onsite installation, operation, and maintenance training are included with the purchase and typically can be conducted in one day, depending on site configuration and location.

Price:

Please contact us for a price quote. Multiple unit discounts are available.

Warranty:

Standard one-year parts and labor warranty. Extended warranty options are available.

Delivery:

Approximately 30-45 days after receipt of order.

Language:

MicroSearch's user interface is available in most languages.

For more information about MicroSearch, our GSA schedule, or to request a free demonstration, please contact us.





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MicroSearch is supported by agent offices in the United States and throughout Europe, the Middle East and Asia.

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