

**MicroSearch<sup>®</sup> G3**   
For Security that Doesn't Miss a Beat

## WHAT IS MICROSEARCH® G3?

MicroSearch® G3 is ENSCO's latest advance in its line of inspection products that detect human beings hiding in vehicles or containers loaded on vehicles. It accomplishes this by sensing the vibrations caused by the human heartbeat. It is ideal for vehicle inspections at correctional facilities, high-value facilities, border crossings, seaports and any other security application that requires inspecting vehicles or containers for stowaways or hidden persons.

### EXCEPTIONAL BENEFITS

MicroSearch G3 offers fast, accurate human presence detection for a variety of security applications. The technology is more reliable and cost-effective than other sensor or imaging approaches and is safer and faster than manual searches. MicroSearch G3 offers the following benefits:

**Efficiency:** Human presence detection in vehicles and containers loaded on vehicles of all types and sizes in seconds

**Accuracy:** Lower false alarm rates than any other available product

**Economy:** Far less capital-intensive than dedicated large-scale vehicle/cargo imaging machines

**Safety:** No risks to operator or detected persons

**Ease of use:** Fully integrated vehicle visitor database offers individual logins and a simple user interface accurately monitors, controls, reports and archives vehicle or load data

**Reliability:** Rugged weatherproof design allows accurate operation in extreme climates, including dry, dusty, wet and cold environments

**Flexibility:** A variety of host computer platforms in a number of on-screen languages allows you to choose the platform that best fits your needs and easily upgrade as your needs, location or environmental conditions change

### HOW DOES MICROSEARCH G3 WORK?

MicroSearch G3 includes a computer, small sensors and cables. The sensors, when placed on a vehicle or a container loaded on a vehicle, determine whether a human is present inside, without the time-consuming and expensive task of unloading and inspecting the entire vehicle or container. The sensors are similar to those used to measure earthquakes and measure the tiny movements or vibrations

transmitted to the suspension system. Based on the vibrations, MicroSearch G3 indicates if there is human presence and if a further search is required.

MicroSearch G3 can be operated in two modes: standard and enhanced. The enhanced mode boasts all the features of the standard mode plus active ground vibration cancellation technology. The enhanced mode is particularly well-suited for harsh environments where persistent ground vibration can interfere with performance and result in false positive indications.

Typical Application	Standard	Enhanced
Correctional Facility	√	√
High-value Facility	√	√
Border Crossing		√
Seaport		√
Airport		√

### SECURITY APPLICATIONS

#### Immigration

MicroSearch G3 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/Seaport Security

MicroSearch G3 provides screening of 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 G3 is currently deployed in more than 100 correctional facilities throughout the world. The vehicles of prison services, prison industries, and transport can all be inspected quickly and safely.

#### Critical Infrastructure Protection

Critical buildings and assets including embassies, military installations and federal and diplomatic buildings can benefit from the increased security that MicroSearch G3

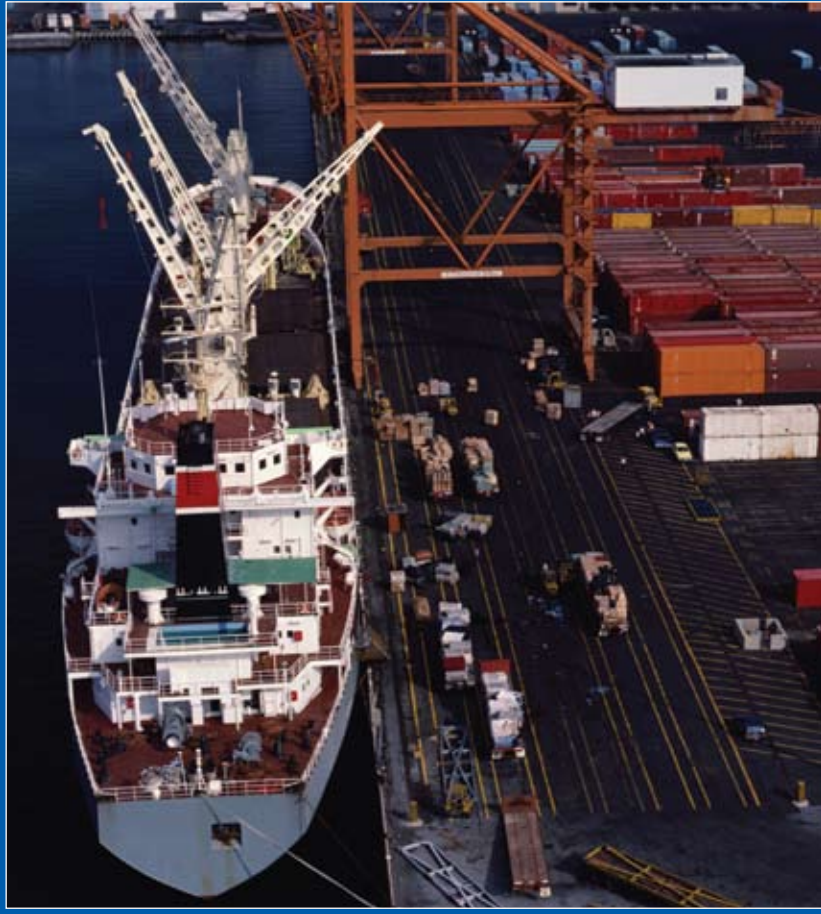
provides. The system detects unauthorized entry of hidden persons in vehicles entering buildings and facilities. MicroSearch G3 can quickly and accurately add a level of security while simultaneously freeing security personnel to attend to other critical duties and responsibilities.

#### Airport Security

MicroSearch G3 enhances airside security by inspecting vehicles that routinely require access to restricted areas such as those required for maintenance or food service.

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MicroSearch G3 is supported by company offices in the United States and by sales agents throughout Europe, the Middle East and Asia.  
Contact ENSCO to learn how to purchase MicroSearch G3 in your locality.