MicroSearch Standoff Vehicle Sensor for Touch-Free Human Detection

Subheading: Introducing the Next-Generation of MicroSearch Vehicle Sensor: Increased Safety and Portability for Inspectors

Standoff Vehicle Sensor is imbedded in speedbump

The MicroSearch® human presence detection system detects individuals hiding in any-sized motor vehicles by sensing the subtle vibrations of the human heartbeat. MicroSearch is currently deployed around the world protecting critical infrastructures, government and military facilities, correctional facilities and national borders against unauthorized and illegal human presence.

Until now, MicroSearch was deployed with either Wired or Wireless Vehicle Sensors supported by an internal geophone that sends a signal through a Control Box and into the software-supported laptop provided by ENSCO.

MicroSearch's Standoff Vehicle Sensor (SVS) is the next generation of vehicle sensor and the only product on the market that provides an advanced touch-free system designed to enhance inspector safety and provide even greater portability. All MicroSearch products are known throughout the industry for having the highest degree of accuracy, reliability, cost-efficiency, and durability. With the introduction of the SVS MicroSearch will continue with an uncompromised track record as the industry leader

MicroSearch SVS incorporates an RF sensor with custom-designed electronics. The operational system is enclosed in a ruggedized and waterproof sensor housing, making it suitable for outdoor use in all climates.

The SVS was developed to allow the MicroSearch system operator the ability to inspect a vehicle to determine the presence of an unauthorized person or persons without having to physically attach sensors directly to the vehicle. MicroSearch SVS provides the same level of ease of use, effectiveness and accuracy customers depend on with increased flexibility for the inspector.

Description: The SVS is similar in size to the current Wired and Wireless Vehicle Sensor. The SVS is backward engineered and compatible with all other features of the current MicroSearch hardware and software, integrating seamlessly into all current MicroSearch operating platforms. The result is vehicle sensor that offers additional safety and security for the system operators and a reduction in the level of effort needed to conduct vehicle inspection.

Technical Features include:

- The sensor can be deployed either in a provided speed reduction enclosure (a speedbump) or embedded below surface.
- Two vehicle sensors are needed to be connected to the system to conduct an inspection
- The two SVS should be set in place to accommodate the largest vehicle expected to be tested.
- The test can then be conducted as is currently done with the Wired Vehicle Sensor and the Wireless Vehicle Sensor versions.
- The SVS requires the vehicle to be turned off and all authorized persons to disembark the vehicle, as with the other vehicle sensors offered.

Benefits:

- As stated, the SVS is reverse-compatible with all current MicroSearch System Components (Laptop, Software, Control Box). Current customers have no additional tools or accessories to purchase.
- No longer requires direct exposure to the vehicle being inspected.
- A passive system that does not require the intrusive attachment of sensors to a vehicle.
- The SVS location /orientation can be easily changed to other viewing angles (below, on top, from side of vehicle, etc.) customized to each customer operational scenario.

How Does a Touch-free, Contact-less System Benefit Users?

- No longer requires direct exposure to the vehicle being inspected.
- Enhances staff safety and security.
- Provides discretion to the test/inspection — party being inspected need not be aware of test/inspection.
- Requires less staff to conduct a test/inspection.