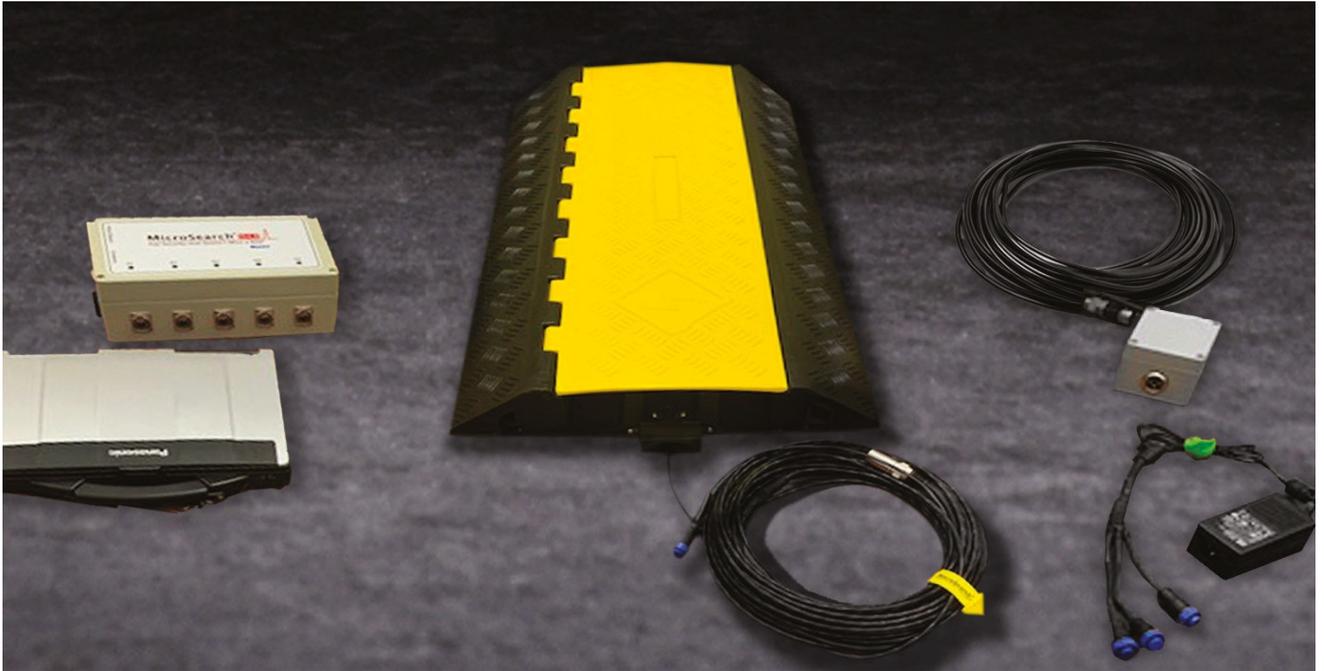


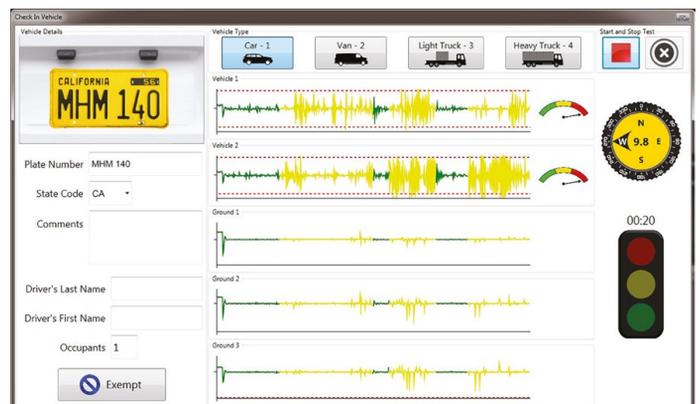
# MICROSEARCH G5.0 STANDOFF HUMAN PRESENCE DETECTION SYSTEM



The MICROSEARCH G5.0 | STANDOFF HUMAN PRESENCE DETECTION SYSTEM for Touch-Free Human Detection - Introducing the Next-Generation Vehicle Sensor: Increased Safety and Portability for Inspectors. The human presence detection system detects individuals hiding in motor vehicles of any size by sensing the subtle vibrations of the human heartbeat. The device is currently deployed around the world protecting critical infrastructures, government and military facilities, correctional facilities and national borders against unauthorized and illegal human presence.

## FEATURES

- The sensor can be deployed either in a provided speed reduction enclosure (essentially a speedbump) or embedded below surface.
- Two vehicle sensors are needed to be connected to the system to conduct an inspection.
- The two sensors 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 MICROSEARCH G5.0 | STANDOFF HUMAN PRESENCE DETECTION SYSTEM requires the vehicle to be turned off and all authorized persons to disembark the vehicle, as with other sensors.



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# SYSTEM CONFIGURATIONS

Until now MicroSearch™ systems were 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.

The **MICROSEARCH G5.0 | STANDOFF HUMAN PRESENCE DETECTION SYSTEM** 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 **MICROSEARCH G5.0 | STANDOFF HUMAN PRESENCE DETECTION SYSTEM**, we will continue with an uncompromised track record as the industry leader.

The device incorporates an RF sensor with customdesigned electronics. The operational system is enclosed in a ruggedized and waterproof sensor housing, making it suitable for outdoor use in all climates.

The **MICROSEARCH G5.0 | STANDOFF HUMAN PRESENCE DETECTION SYSTEM** was developed to allow the system operator the ability to inspect a vehicle to determine the presence of unauthorized persons without having to physically attach sensors directly to the vehicle. The device provides the same level of effectiveness, accuracy and ease of use that customers depend on with increased flexibility for the inspector.

Description: The **MICROSEARCH G5.0 | STANDOFF HUMAN PRESENCE DETECTION SYSTEM** is similar in size to the current Wired and Wireless Vehicle Sensor. The device is backward engineered and compatible with all other features of the current hardware and software, integrating seamlessly into all current operating platforms. The result is a vehicle sensor that offers additional safety and security for the system operators and a reduction

## 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.



## BENEFITS

- The device is reverse-compatible with all current System Components (Laptop, Software, Control Box). Current customers have no additional tools or accessories to purchase.
- Does not require direct exposure to the vehicle being inspected, unlike others on the market.
- A passive system that does not require the intrusive attachment of sensors to a vehicle.
- The **MICROSEARCH G5.0 | STANDOFF HUMAN PRESENCE DETECTION SYSTEM** location/orientation can be easily changed to other viewing angles (below, on top, from side of vehicle, etc.) customized to each customer operational scenario.

## TECHNICAL DATA

- Low power motion detector working in the 24GHz – ISM – Band
- Dimensions (including speed reduction/protection device):  
38in x 20in x 3in (96.5cm x 51cm x 8cm)
- Speed Reduction/Protection Device max. weight capacity:  
26,000 per axle
- Cable Length: 50ft (15m)
- Power Requirement: 100 – 240VAC, 50/60Hz
- Operating Temperature: -20oC – 60oC
- Storage Temperature: -20oC – 60oC
- Electrical components protected by high temperature epoxy and potting compound.
- Provides electrical insulation and protects components from environmental concerns.