

SITUATIONAL AWARENESS & BORDER SECURITY

Heartbeat Detection: Prevent Human Trafficking, Illegal Entry & Improve Safety

Gain Operational Control of the Border

As border control agents harden their borders, the adversary continues to evolve. Increasingly sophisticated smuggling and trafficking methods all test the limits of traditional surveillance and detection approaches. Governments and agencies face the difficult task of protecting national borders while balancing safety, efficiency, and respect for human rights.

At the heart of effective border protection lies the need for timely, reliable information. Used in more than a dozen countries to address border security, human trafficking and prison security, the Heartbeat Detector® is a small, portable device that uses proprietary sensors to rapidly identify people hidden in vehicles and containers, providing a modern, user-friendly interface in as little as 10 seconds. Heartbeat Detector has been proven 99% effective by Oak Ridge, Sandia and Thunder Mountain U.S. national laboratories.



Benefits

- Affordable monthly subscription plans with no upfront costs
- Portable, lightweight device
- Quick results provided in under 60 sec.
- Accurate analytics developed by Oak Ridge National Lab
- Proven by customers worldwide since 1996

How it Works

- 1 Driver turns off engine & exits vehicle
- 2 Place sensors on the vehicle
- 3 Start software
- 4 Software listens for 10 seconds
- 5 Clear Search or Pass result



Transforming Vibrational Energy into Actionable Information

STRENGTHEN SECURITY POSTURE

Enhanced detection and situational awareness improves security. With rapid, accurate information, agent and officer confidence is established.

INCREASE OPERATIONAL EFFICIENCY

Repeatable, timely information improves prosecutions and maintains reputations. Systems that automatically provide state of health and operation will reduce operational expense and increase uptime.

ENHANCE SAFETY

For those that put their lives in harm's way, every day, information that keeps them one step ahead of their adversary. Being able to detect and alert on potential threats through varied terrain is paramount.

RESPECT THE MISSION

As we embrace our customer mission, it permeates through every aspect of the way we conduct ourselves and the solutions we develop and deliver.



Simple, reliable user interface gives clear alerts in seconds



For more than four decades, Geospace has set the standard for engineering and manufacturing incredibly robust, hardened sensor systems that perform in the world's most austere environments. Geospace delivers long lasting technology solutions to operate in environments ranging from a mile underwater to remote deserts. Our modern sensing technologies transform monitoring, detection, and response along national frontiers. By providing continuous, real-time awareness - in areas where cameras and patrols can't easily reach - these systems serve as a critical force multiplier.