

Applications Include

- ✓ Inland Borders
- ✓ Sea-Crossing Points of Entry
- ✓ Prisons Low/Med/High/Max Security
- ✓ Correction Facilities
- ✓ Nuclear Facilities
- ✓ Trains, Aeroplanes and Shipping
- ✓ Vertical Car Parks (for liability issues)



Technical Specification

- ✓ Ruggedised Computer
- ✓ Sensors
- ✓ Touch screen flat panel display
- ✓ Ruggedised seismic sensors
- ✓ NEMA 4, front panel
- ✓ Wall mounted NEMA Cabinet (optional)
- ✓ Windows software
- ✓ All-Weather Connectors
- ✓ Vehicle database software
- ✓ Power supply AC 85V–264V @ 47–63 Hz

Vehicle Search Procedure on Arrival

- ✓ Engine off, any compressors off, driver leaves vehicle.
- ✓ The sensors are placed on the vehicle.
- ✓ The appropriate vehicle type icon is pressed and the system carries out the search process, indicating PASS or SEARCH.



Illegal immigration is a major problem for today's authorities; the most common means of entry is by international freight trucks. The checking of trucks at border points is limited by both manpower restrictions and the problem of how to effectively search fully laden vehicles without disruption to traffic flow, through the port of entry.

The Intelsec HEARTBEAT DETECTOR system is a very cost effective method of searching for people hidden in any vehicle, even if fully laden.

By use of special sensors and a specific hardware/software combination, the Heartbeat System will detect and analyse the human heartbeat transmitted via the vehicle chassis and super-structure. This data is then systematically evaluated through advanced signal processing algorithms to give a visual indication of search results on the display screen, as depicted below.

The Heartbeat detection system is so effective that it can search and detect single or multiple heartbeats, hidden inside a fully laden vehicle, within 2 minutes. The system consists of up to 4 seismic sensors linked to a user-friendly, Touch Screen PC display monitor, with simple icons that will lead the operator through the search process.

Training on the system can be carried out within an hour and maintenance downtime is minimal.