

MDS STATIONARY

Human presence detection system



Ports

Border-crossings

Prisons

Detention centres

MDS STATIONARY

Movement detection system (MDS) is a unique detection system of hidden persons in a vehicle. MDS detects even low signals such as heartbeat. It uses a passive, non-invasive measurement method that has no side effects for the human organism or nearby devices.



Extremely fast detection time

The measurement procedure takes approx. 30 seconds. The total vehicle inspection usually does not exceed 2 minutes, including sensors application and removing.

High detection efficiency

MDS detection efficiency is almost 100%. Thanks to the measurement method based on the detection of ultra-low vibration signals, the MDS can not be deceived as in other systems using eg. CO₂ concentration measurement or X-rays.

Designed for routine checks

MDS Stationary is suitable for permanent installations. The sensors are located in a dedicated area and ready for vehicle inspection. The evaluation unit can be located in the control room at a distance of up to 15m from the inspection point.

Technical Specification

Dimensions

Custom-made installation, required place can vary

Figures

Voltage support	110 VAC 240 V / 50Hz
Operating temperature	0°C to 50°C
Storage temperature	-25°C to 60°C
Relative humidity	5 to 90 % non-condensing
Wind speed	40 km/h
Ground vibration	0,4 m/s

Sensors

4 x magnetic sensors
1 x ground sensor
1 x low-frequency microphone

Cables

4 pcs of cable reels, 15m each

Computer

Laptop

MIL-SPEC, ruggedized, sunlight readable, outdoor usable, works in all weather

Software

- Current Software Version: MDS III pro 8.0
- Windows 10 or newer

Language support

EN, DE, ES, IT, FR, PL, CZ

Special operation possibilities

1 checkup

using all 4 sensors to measure trailers heavy trucks or coaches, all with 2, 3 or 4 axis

2 checkups

at the same time using 2 sensors for each vehicle (light trucks or vans)

3 checkups at the same time using 1 sensor for each vehicle (cars)

