

# 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. CO<sub>2</sub> 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

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

