

emSENSOR - Passive detection system

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emSENSOR is used as a detection system to alert to unauthorized entry or transit of wheeled and tracked vehicles

How the emSENSOR will help you?

- ✓ Protection of areas, buildings and roads
- ✓ Critical Infrastructure Protection
- ✓ Supporting the security of borders and perimeters
- ✓ Sending SMS message alert on:
 - ✓ Creation of illegal dumps
 - ✓ Unauthorized movement of the vehicles
 - ✓ Theft of fishes from breeding ponds
 - ✓ Theft of hives or cultivated crops
 - ✓ Threats to drinking water sources
 - ✓ Vandalism in nature parklands

Main advantages

- ✓ The emSENSOR system is sensitive to the motion of objects made of ferromagnetic materials (metals attracting magnet)
- ✓ Sends alert SMS message in case of unauthorized entry of vehicles to guarded area
- ✓ Vehicle or truck detection distance is up to 6 meters
- ✓ Sensitivity of the system can be adjusted as required (bicycle, motorcycle, vehicle, tractor)
- ✓ System is protected against the false alarm and intentional taking out of service
- ✓ Alert message could be send to the multiple of selected phone numbers
- ✓ Allow to activate a hidden phototraps by predefined message
- ✓ emSENSOR activity and warnings could be localized by the map software on PC or tablet

Operational characteristics

- ✓ Very easy installation, simply unfold emSENSOR and turn on
- ✓ Hidden installation – the system is hidden under the ground
- ✓ Easy to handle allowing easy relocation of the system as needed
- ✓ The magnetic sensors are resistant to Truck tire cross over
- ✓ System is powered by long-life batteries 6 V - 12 V
- ✓ Battery operation time - up to 5 months
- ✓ Operating temperature of -30 °C to +50 °C, water resistant

emSENSOR includes

- ✓ Magnetic sensors (8 pcs)

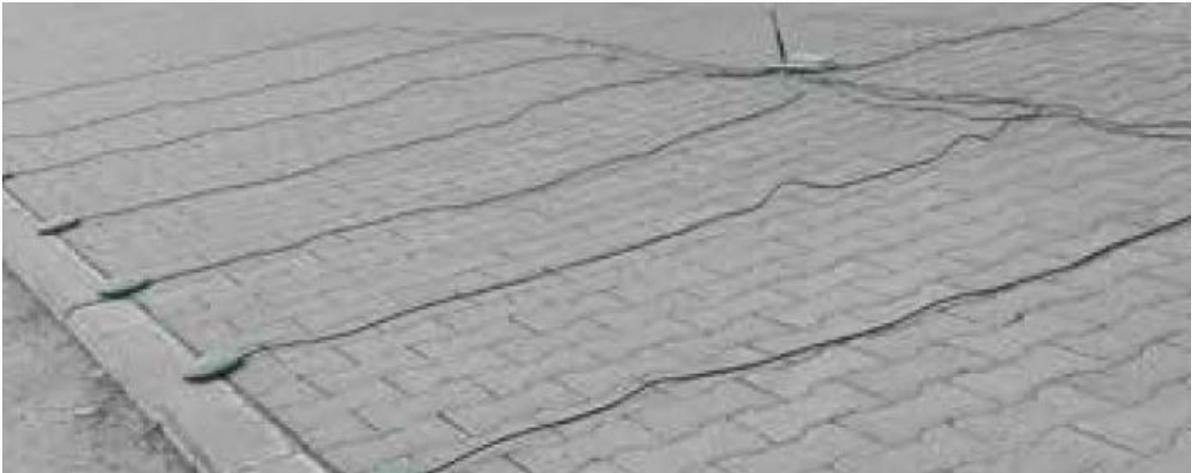
- ✓ Control unit

[AT Communication ©](#)

- ✓ External power supply (battery)

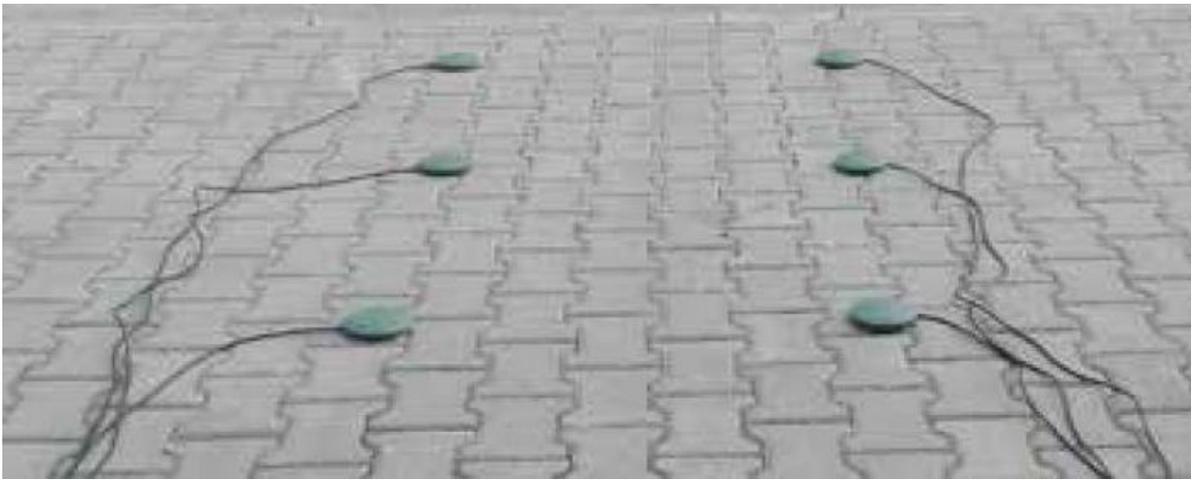
There are two ways of installation The line sensors arrangement

- ✓ System evaluates the direction of vehicles movement in the direction of the sensors placement
- ✓ Sensors installation along the road



The parallel sensors arrangement

- ✓ System evaluates the direction of vehicles movement in the perpendicular direction to the two line sensors placement
- ✓ Transverse sensors installation in the roadway, for example in two drainage ditch



Messaging via mobile devices



System uses SMS messages

Setting the system via SMS
Forward messages to the user's phone number
Messaging to activating of the phototrap
Forward messages to a monitoring center
Messages system diagnostics
Pre-prepared reports:
ALARM
LEFT
RIGHT
TAMPER
LOW BATTERY

The system is ready to adapt to user's requirements according to the final use

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