Unattended Ground Sensor System (UGS)

FEATURES
- Supports Net Centric Options
- Mesh Network and Repeater/Gateway functionality
- Suitable for Area Control Classification of Personnel, Vehicles and special activities
- Fire and Forget— Rapid deployment
- Simple Man/Machine Interface
- Scalable in design from Sniper and Small team support to large scale border monitoring
- GPS for self-locating functionality
- Ease of Integration in to other Systems/Networks
- High performance Size/Weight ratio

Dragon Sense Mini sensor is a unique, miniaturized and cost effective Unattended Ground Sensor. The DRAGON SENSE Mini extends the eyes and ears of the troops and provides 24 hours a day beyond-line-of-sight situational awareness and target information. Each sensor includes a geophone and a microphone and by using sophisticated algorithms it can detect and classify movements and activities of people and vehicles within the area of sensor deployment. The DRAGON SENSE Mini sensor is small, lightweight, and easy to handle, deploy and maintain. Several sensors communicate in a self-forming, self-healing wireless Mesh Network. The Mesh Network also acts as a repeater to extend radio range and reliability. The DRAGON SENSE Mini is built on a modular and flexible basis and can be used as area surveillance sensor suitable for covering bigger areas in clusters or as individual sensors.

Sensor Specifications:
- **Size (WxHxL):**
  - 53x42x132 mm (without spike, antenna and microphone)
  - 62x68x132 mm (with spike, antenna and microphone)

- **Total weight:** 800 gram. The weight of each sensor is 0.8 kg and comprises the following components:
  - Battery (State of the art rechargeable Lithium-Ion batteries that will last for 30-60 days dependant upon usage and environment. Additional external batteries can be connected to each sensor to even further extend the recharging intervals)
  - Short range radio module
  - Main board (incl. processor)
  - Sensors
    - Geophone
    - Microphone
  - Main material: Aluminum
  - Temperature: -30 to 70 degrees of Celsius

- **Transmit Frequency – 800 MHz (Modular and Exchangeable)**

- **MIL-standard:** According to MIL-STD-810F