



SERAPHIM OPTRONICS
Life-Saving Covert Surveillance



SENSORS

GAIN FULL SITUATIONAL AWARENESS

The Guardian kit includes external controllable seismic sensors. A net of concealed sensors is created for missions such as breach sealing or gap filling in border control or force protection. They are buried 30-50cm (12"-20") deep in the ground within the ROSS Field of Regard (up to 500m [1650'] from the ROSS). These versatile sensors can also perfectly match military, paramilitary, police and homeland security missions. Easily camouflaged for quick deployment, the sensors supply the ground forces with real-time persistent covert surveillance. Lightweight and rugged, they work in all weather conditions with minimal energy consumption and can remain in the area of interest for months.

KEY BENEFITS



24/7

day (color & NIR) & night (thermal)



Excellent camouflage-ability



High performance detection

at radius of about 10m (33') from the sensor



Up to 6 months continuous operation

through integral rechargeable lithium battery pack



Long mission duration

SHORT SPEC.

Communication Distance	_____	600 m / 1969 ft
Number of WGS Sensors	_____	Ability to work with dozens of sensors
Operation Time	_____	Up to 6 months
Coverage Area	_____	Up to 10 m radius (depending on terrain)
Working Temperature	_____	-30°C to 60°C / -22°F to 140°F
Relative Humidity	_____	95%
Classification	_____	Footsteps / Vehicle
WGS Size	_____	147 mm x 102 mm x 50 mm / 5.79 inch x 4 inch x 1.97 inch
WGS + Sensor Weight	_____	1.1 Kg / 2.43 pound
Impermeability	_____	IP 67

