

E-UGS | Add Intelligence to Your Perimeter

ARA's military grade E-UGS seismic sensors, which deliver intrusion alerts over long distances are now available for commercial and border security applications.

About the size of a coffee cup, the battery-powered E-UGS sensors require no mesh networks or external power supply and deliver up to 6 months of battery life. These concealable unattended ground sensors deliver detection of footsteps or vehicular traffic to a control station located many miles away.

- Military grade – battlefield proven
- Quickly add intelligence to perimeters
- Easy to install and concealable
- Optional integration with RAPID cameras or Nighthawk launch to location

Whether you are looking to secure critical infrastructure, monitor borders, remote locations or make your security fences intelligent, the E-UGS delivers a capability that is otherwise only available to the military.

The sensor can be placed or moved quickly in order to provide constant activity monitoring of soft spots or known hot spots.

“E-UGS sensors require no mesh networks or external power supply and delivers up to 6 months of battery life.”

Contact us for more information about commercial pricing, use cases, and to discuss your security goals. E-UGS can also be integrated with other ARA surveillance technology such as our RAPID ground radar system, Nighthawk Micro UAV or IBDSS, our intelligent site security software solution.



Monitor from a control station or on the go



Respond to alerts in real time



E-UGS



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E-UGS | Product Specifications



Expendable Unattended Ground Sensors

Why E-UGS

The E-UGS system is new to the marketplace. Never before have non-military customers had the chance to capitalize on the ease of use these expendable seismic sensors can provide in security settings. There is now an affordable and fast to install option for monitoring of remote locations, secure perimeters and critical infrastructure without the need for external power or network connection. All with up to six months of runtime on each sensor.

Options

As ARA Force Protection adapts this military grade technology to commercial security applications we're interested in your specific application needs. Sensor kits can be ordered with or without a base station computer and in varying quantities. We also offer a "slew to cue" capability, which integrates E-UGS with RAPID cameras or "fly to cue" that can launch a Nighthawk to the alert location for aerial eyes on target. E-UGS can operate as a standalone system or as a key element of our Integrated Base Defense (IBDSS) site security software solution. Contact us to discuss your application.



Available as a standalone system or installed on your computers

Dimensions

2 1/4" H X 2 1/2" W plus a 2 3/4" antenna (about the size of a coffee cup)
Each sensor weighs approximately 11 ounces

Performance

Suitable for environments -25F to 120F
Waterproof and dustproof
Run time 6 months +/-
Able to decipher between foot and/or vehicle traffic

Reviews

"Soldiers are highly enthusiastic about the small, expendable UGS, and are requesting more on an urgent basis."

– DEFENSE SYSTEMS.COM

Deployments

Over 40,000 sensors have been delivered to the US Military. Recently incorporated is a "slew to cue" capability allowing high power day/night cameras to monitor activity alerted by the sensors automatically. If desired, ARA Force Protection can integrate a camera alert response or UAV alert response system.



Choose your sensor quantity

E-UGS is subject to International Traffic and Arms Regulations (ITAR), requiring a U.S. Department of State license to export.



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