

SOUND AWARE



From the developers of **GroundAware®**, Dynetics has created **SoundAware**, a new and advanced acoustic perimeter security system.

SoundAware was originally developed for the military to defend soldiers and sensitive locations from enemy drones. The military-grade hardware and advanced signal processing in **SoundAware** result in far greater performance than other acoustic sensors and allow for long-term, all-weather installations with no regular maintenance.

Why Sound?

Drones and other unmanned systems are a new and growing threat. Their small size enables them to enter sensitive areas and watch or deliver items without being noticed. In many cases, other sensors—like infrared or visible range cameras and even radar—fail to detect them. However, drones make unique sounds while flying. **SoundAware** is designed specifically to listen for these sounds, and can detect approaching drones well before security guards and other systems are able. Take a look at how **SoundAware** can secure your perimeter.

- 24/7 monitoring of a 360-degree area with a single sensor
- Detects multiple simultaneously approaching drones
- Determines the directions of approaching drones
- Sends alerts to security and other systems on detection
- Can be used to cue cameras and other security systems to the approaching drones
- Can be used to enable countermeasures, evidence collection, trace flight paths to pilot's locations
- Military-grade hardware for all weather needs

SoundAware can be used with radar, optical, and RF sensor systems to create robust, multi-layered security. As part of an integrated system, **SoundAware** can direct a number of responsive actions including pointing cameras to drones and other intruders, triggering security lights, and pushing alarm data to a police dispatching system.

OVERALL PERFORMANCE AND SPECIFICATIONS

- Passive system listens for approaching drones
- Detection range/distance: common quadcopters up to 1.5km in any direction
- No external computer required, except to view the web browser-based user interface
- Long-term, all-weather use with no regular maintenance
- Ethernet connectivity
- 110Vac electrical power or batteries, <10 watts
- 102.6" wide by 43.6" high, 25 lbs. weight (without tripod stand)



OBSERVATION
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LIMITS

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