

ADS ACOUSTIC DETECTION SYSTEM

Brochure

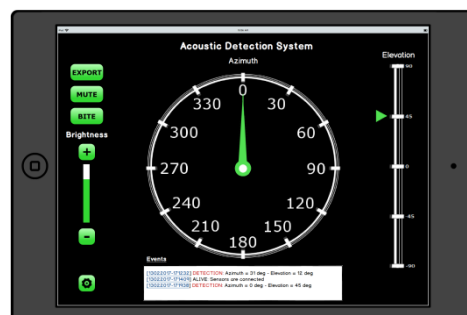
intecs Solutions

the Brainware company

ADS is a passive **A**coustic **D**etection **S**ystem which is able to recognize and localize impulsive sounds such as gunfire, providing real time alert of hostile fire or sniper attack position enabling a rapid, informed and coordinated response. It is characterized by a set of microphones which acquires the sound sources and processes the signals sending the information (elevation and azimuth angles) to a local device. Moreover, when networked, this information can be transmitted to an operations center or to a situation awareness platform.

ADS allows complete and accurate situational awareness and individual safety with the following advantages:

- Passive systems are not detectable from other devices;
- Low cost product;
- High portability through its compact and intuitive system integration kit.



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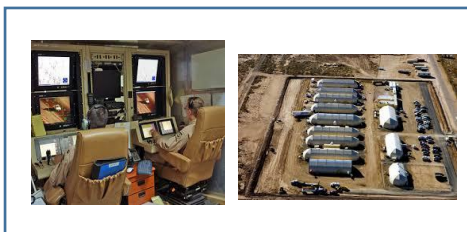
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Deployment

Single sensor configuration can be deployed with a tripod support or placed on vehicles.



Modularity is a key feature of ADS. It can be customized with more acoustic sensors in order to be deployed in a several kind of operational scenarios such as FOBs (Forward Operation Bases), checkpoints or critical infrastructure.

Technical details

Performance:
Azimuth Error: +/- 2°
Elevation Error: +/- 2°
Range Error: +/- 10%
Response Time: < 2 secs

Mechanical:
Number of microphones: 4
Layout: Tetrahedron

Total Weight: < 8 Kg

Environmental:
Operating Temperature:
-20° C to 50° C
Storage Temperature:
-40° C to 70° C

Power Supply:
Supply Voltage: 12 V DC
Power: < 40 Watts

Certification:
CE certification

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