

# ATARGET

AHTR AcuNode

Acoustic Mortar, Artillery, Rocket Detection System



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## Advanced Gunshot Detection System

Atarget has several years of experience in gunshot detection systems based on field results. This experience has been combined with the advanced acoustic signal processing, hardware and software components to produce AHTR system. AcuNode is the sensor unit of AHTR system designed to satisfy certain critical requirements for best performance in harsh environments.

## AHTR

Acoustic mortar, artillery and rocket detection and localization system, AHTR, can be mounted to a single vehicle. It provides all the important parameters of the gunshot and increases the situational awareness and security of the mounted vehicles. AHTR can detect and localize any type of gunshots by using the acoustic waves emitted to the environment. AHTR can work as a standalone unit or multiple AHTR units can be configured in a mesh structure with transmitter/receiver units in order to improve accuracy with a coordinated action. A master unit is used to serve all the clients in the mesh structure.

## Features

- Real-time 2D situational awareness
- 360° in azimuth, 180° in elevation
- Advanced detection algorithm with minimum disturbance from surroundings.
- Azimuth, elevation, range estimation
- Low false alarm rate
- Small, rugged and surface mount sensors
- Can be used in land, air and naval systems
- Easily mounted, can communicate with different platforms for a coordinated action
- Embedded hardware/software system with minimum space requirement in vehicle
- Remote control and display
- Plug-play structure
- Data share with remote systems for an integrated solution