

ATARGET APSD-Vehicle Vehicle Acoustic Shot Detection System

APSD-Vehicle system is an acoustic shot detection system for situational awareness. It can pinpoint the shot location using a technology based on acoustics. APSD-Vehicle is a new generation system which decreases power consumption and increases the performance with user flexibility. APSD has high detection, low false alarm rate with a user interface to reflect all the necessary information. The microphone array can be configured on the vehicle with minimum visibility and maximum performance. The system operates for both stationary and moving vehicles. Shot location is pointed in a clock display and reported in a list with previous shot locations. Target position is presented on a map and target GPS location is also reported.

Performance:

- >95% shot detection rate
- <2° (target azimuth and elevation)
- <+/- %10 range to target
- <1.5 sec. response time
- Operation temp. -10 C to 60 C
- 360° coverage
- Passive
- Vehicle Speed <90km/h

Electrical/DataConnection

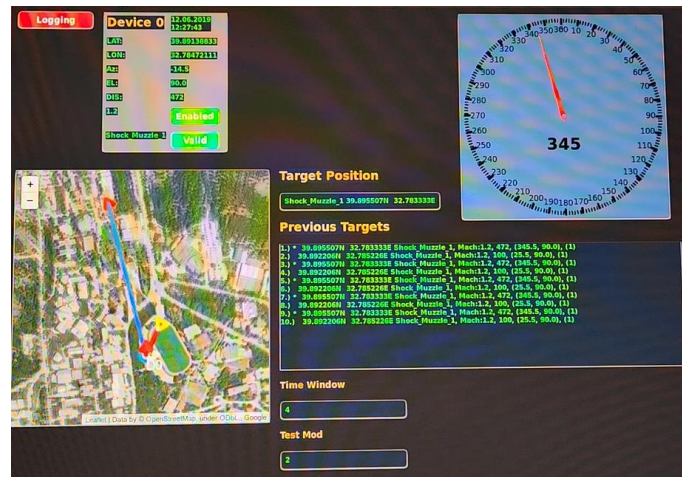
- Power:< 7 Watts
- Supply Voltage: 12V DC
- Data interface: Ethernet, USB, Wifi

Additional Features

- Results can be transferred to units outside/inside the vehicle with Wifi or can be transferred to command center through radio for near real-time operation observation.
- No calibration is required



Vehicle Application



User Interface

