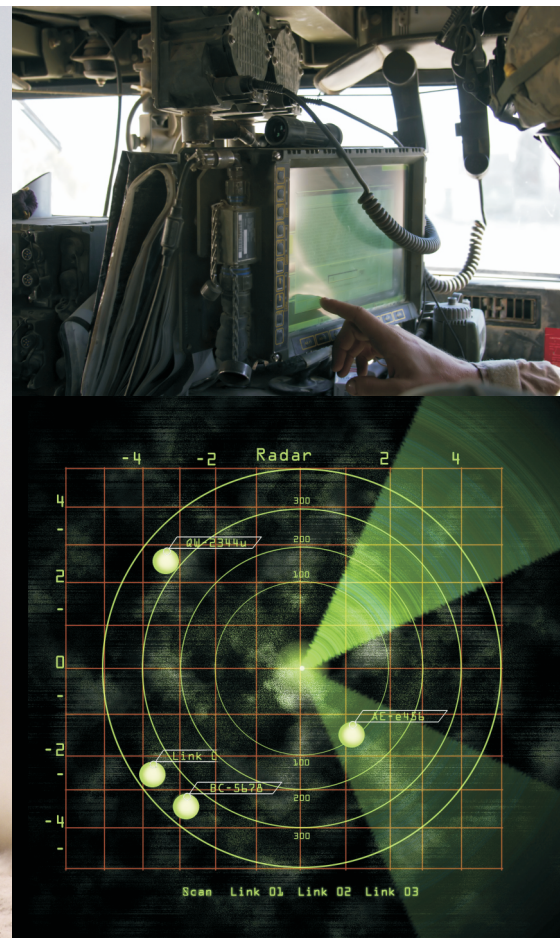


Vehicle Mounted Gunshot Localisation System



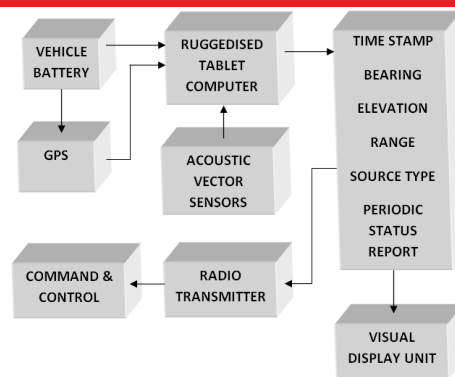
Application Leaflet

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Vehicle Mounted Gunshot Localisation System

Microflown's **Vehicle Mounted Gunshot Localisation System** is a passive system using acoustic signals to detect gunshots of various calibres. The system is modular, comprising a small sensor mounted on the vehicle, a processing unit and a visual display unit. When gunshots or blasts are detected, the bearing, elevation and distance of the shooter are displayed and spoken (by recorded voice), in real-time, allowing the occupants of the vehicle to return fire immediately. In addition, the sensor unit can be integrated with a remote weapon system performing slew to cue functions, automatically acquiring hostile targets in the operator's viewfinder.

Microflown's **Vehicle Mounted Gunshot Localisation System** is a new method for localising gunshots in 3D space and in real-time, based on compact acoustic vector sensors (AVS), three-dimensional sound probes. This is new technology based on AVS which has only recently become available from Microflown Technologies. The new technique allows background noise from the vehicle itself (engine, tyre/road noise) to be ignored with only hostile fire being reported. Unlike other systems, the vector is directly measured allowing increased accuracy. In addition, there are no elevation complications due to ground reflections.



Application features

- ✓ Can detect small arms and large calibre weapons
- ✓ Small footprint
- ✓ Easily mounted to various vehicle types
- ✓ Can be integrated with remote weapon systems
- ✓ Can perform slew to cue functions
- ✓ Fast response time (<5ms)
- ✓ 360 degree field of view
- ✓ Bearing, range, and true elevation
- ✓ Not affected by engine noise
- ✓ Modular system

