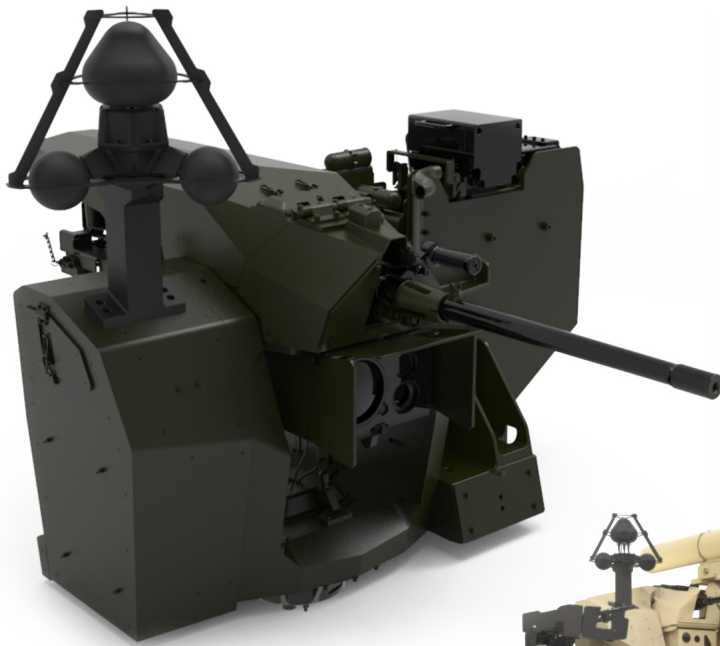


SPOT

GUNSHOT DETECTION SYSTEM

COMPACT DESIGN FOR USING WITH VEHICLE AND WEAPON STATIONS





SPOT

GUNSHOT DETECTION SYSTEM

Overview

Snipers have always been a dangerous threat to troops. ASELSAN SPOT system detects direction and range of supersonic shots from small arms fire with high precision. SPOT system is an acoustic system which consists of an array of high performance microphones. This system can display direction, distance and coordinates of the shot on digital map using the data of shockwave and muzzle blast. SPOT can be used integrated with Remote Control Weapon Stations developed by ASELSAN.

General Specifications

- Compact design for use by vehicles and weapon stations
- High accurate detection of 5.56mm, 7.62mm, 12.7mm supersonic shots' direction and distance
- Detection capability of single, sweeping and cross fire
- Solution for open field and residential area
- Capability of friendly fire recognition
- Caliber classification
- Ability to display coordinates of shooting location on digital map
- Built in test capability
- Visually warning user when a shot is detected
- No calibration requirement

Fields of Use

- On-vehicle
- Integrated with weapon station
- Fixed facility
- Portable

Technical Specifications

- Azimuth Accuracy Error : < 2.5°
- Elevation Accuracy Error : < 2.5°
- Range Accuracy Error : ± %10
- Response Time : < 1.5s
- Shot Detection :
 - >%95 (for 30m miss distance)
 - >%80 (for 40m miss distance)
- Caliber Classification Accuracy : > %95
- False Alarm Rate : < %1
- Miss Distance Error : ± %10
- Operating Temperature : -20°C--+50°C (MIL-STD-810G)
- Storage Temperature : -40°C--+71°C (MIL-STD-810G)
- Vibration/Shock : MIL-STD-810G
- EMI/EMC : MIL-STD-461F

