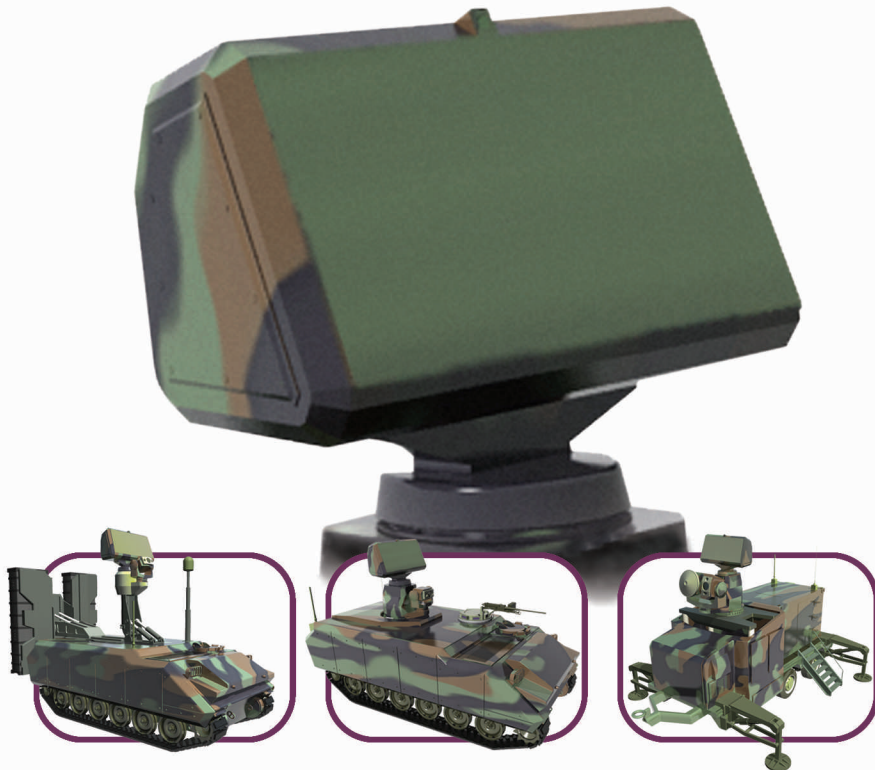


Mobile Search Radar

aselsan



ASELSAN Mobile Search Radar is ASELSAN's latest 3D radar designed for mobile air defense weapon systems with modern radar design technologies such as digital beamforming and solid state transmit/receive modules.

Operational Features

- 3-D Target Search and Tracking
- Multiple Target Tracking
- Low Reaction Time
- Target Classification
- Advanced Electronic Protection
- Target Set:
 - High Speed Fighter Aircraft
 - Helicopters
 - Hovering Helicopters
 - Unmanned Air Vehicles
 - Air To Surface Missiles and Rockets

Mobile Search Radar

Technical Specifications

- Operating Frequency: X-Band
- Instrumented Range: 50 km
- Azimuth Coverage: 360°
- Elevation Coverage: -5° - +70°

System Units

- Antenna Subsystem
- Antenna Drive Unit
- Signal Processing Unit

Applications

- Air Defense Weapon Systems
- Protection of Critical Sites
- Integration to Command Control Systems
- Low Altitude Air Defense Missile Systems

Design Features

- Active Phased Array Antenna
- Integrated IFF Antenna
- Digital Beamforming
- Solid State Transmit/Receive Modules
- Digital Pulse Compression
- Digital Waveform Generation
- Automatic Determination of Radar Operational Parameters
- Built-in Test
- Compliance with Military Standards (MIL-STD-810G, MIL-STD-461F)