

ACAR

aselsan

Ground Surveillance Radar



The Advanced Capability ASELSAN Radar, ACAR, is designed and developed by ASELSAN for detecting, classifying or tracking targets on or close to the ground or sea and artillery fire adjustment purposes. ACAR is operable day-and-night and under all weather conditions.

- Fully Solid-State Design
- Digital Signal Processing (DSP)
- Track-While-Scan (TWS) in Surveillance Mode
- Multi Target Tracking
- Low Probability of Intercept (LPI)
- User-Friendly Man-Machine Interface
- B-Scope or PPI Display
- Digital Map Overlay
- Remote Control
- Modular Design
- Compliance with Military Standards

ACAR Ground Surveillance Radar

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Features

- Low Output Power
- PC Based, Hand Held Operator Unit
- Selectable Antenna Rotation Speed
- Adjustable Sector Width
- Selectable Range Scales
- User Defined Alarm and Friendly Zone
- Built In Test (BITE)
- Low Weight
- Easy and Quick Deployment
- Integration to Command Control Systems
- High Reliability

Technical Specifications

- Operating Frequency : Ku-Band
- Instrumented Range : 0.3 - 60 km
- Pedestrian Detection Range : Up to 12km
- Selectable Azimuth Scan Width : 10° - 360°
- Elevation Positioning : $\pm 24^\circ$

Applications

- Homeland Security
- Border Surveillance
- Coastal Surveillance
- Battlefield Surveillance
- Artillery and Mortar Fire Adjustment
- Mobile Applications
- Other User Defined Roles



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