

ACAR-K

SURVEILLANCE RADAR





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Overview

ACAR-K Surveillance Radar Series is designed and developed by ASELSAN for detecting, tracking and classifying targets moving on the ground at day and night in all weather conditions.

Technical Features

- Operating Frequency : Ku-Band
- Adjustable Sector Width : 10° - 360°
- Antenna Elevation Tilt : +/- 24°
- Antenna Rotation Speed : 4 rpm / 15 rpm
- Instrumented Range : 15 km / 40 km
- Elevation Coverage (ACAR-K44) : 4°
(ACAR-K1015) : 10°
- Compliance with MIL-STD-810G and MIL-STD-461F

Applications

- Homeland Security
- Border Surveillance
- Battlefield Surveillance
- Mobile Applications
- Artillery Fire Adjustment

General Features

- Advanced Digital Signal Processing (DSP) Techniques
- Ku-band Pulsed Doppler Radar with Pulse Compression
- Track-While-Scan (TWS) in Surveillance Mode
- Multi-target Tracking
- Automatic Track Classification
- Low Output Power for Low Probability of Intercept (LPI)
- B-Scope or PPI Display
- Digital Map Overlay
- Remote Control
- High Accuracy and Resolution
- 360° Continuous or Sector Scanning
- Selectable Range Scales
- User Defined Alarm and Friendly Zone Selection
- Built In Test (BITE)

System Units and Accessories

Main Units

- Sensor Unit
- Antenna Unit
- Control Display Unit

Accessories

- Tripod
- Headphones
- North Calibration Unit

Auxiliary Units

- Interconnection Cables
- AC / DC Converter
- Battery Pack
- Carrying Case

