

# ACAR | 300-G

GROUND&UAV SURVEILLANCE RADAR

#Radar



**aselsan**

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## GROUND&UAV SURVEILLANCE RADAR

ACAR 300-G Surveillance Radar is designed and developed by ASELSAN for detecting, classifying and tracking targets moving on the ground and the mini/micro UAV's at day and night in all weather conditions.

### Applications

- Homeland Security
- Border Surveillance
- Battlefield Surveillance
- Mobile Applications

### 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 (BIT)



### Technical Features

- Operating Frequency : Ku-Band
- Adjustable Sector Width : 10° - 360°
- Antenna Elevation Tilt : +/- 24°
- Antenna Rotation Speed : 15 rpm
- Instrumented Range : 15 km
- Elevation Coverage : 10°
- Compliance with MIL-STD-810G

### 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



Specifications are subject to change without any notice. | All tolerances are within ±10%.