

AURA | 100-G

UAV SURVEILLANCE RADAR

#Radar



aselsan

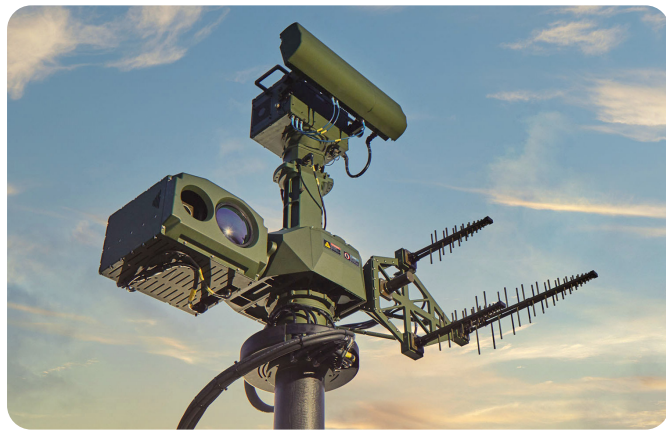
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UAV SURVEILLANCE RADAR

AURA 100-G UAV Surveillance Radar is designed and developed by ASELSAN for detecting, classifying and tracking fixed wing and multi-rotor mini/micro UAV targets at day and night in all weather conditions.

General Features

- Advanced Digital Signal Processing (DSP) Techniques
- Ku-Band Pulsed Doppler Radar with Pulse Compression
- Track-While-Scan (TWS) Capability
- Multi-target Tracking
- Automatic Tracking/Classification
- Low Output Power for Low Probability of Intercept (LPI)
- High Accuracy and Resolution
- 360° Continuous or Sector Scanning
- User Defined Alarm and Friendly Zone Selection
- Built In Test (BIT) Capability



Technical Features

- Operating Frequency : Ku-Band
- Adjustable Sector Width : 0° - 360°
- Antenna Elevation Tilt : +/- 24°
- Antenna Rotation Speed : 30 rpm
- Instrumented Range : 7,5 km
- Elevation Coverage : 40°
- Compliance with MIL-STD-810G

System Units and Accessories

Main Units

- Sensor Unit
- Antenna Unit
- Control and Display Unit

Accessories

- Tripod
- 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 $\pm 10\%$.