

# MULTIFUNCTIONAL MOBILE SEARCH RADAR

#Radar









## MULTIFUNCTIONAL MOBILE SEARCH RADAR

KALKAN 200-G can be used as a primary search radar in various air defense command and control systems, as well as standalone. The 3D, multi-beam mobile search radar produced by ASELSAN can be used for short to medium range applications, providing air surveillance and target detection. With its active phased array antenna structure and solid-state power amplifier modules, KALKAN 200-G is a modular, lightweight, and low-power radar system. Its operational features include 3D target search, tracking, and classification, sector search, and high target position accuracy. Due to its lightweight design, it can be used on small ships and patrol boats.

### Applications

- Air Defense Weapon Systems
- **Critical Area Protection**
- Integration with Command and Control Systems .
- Integration with Low-Altitude Air Defense Missile Systems
- Single-Site Deployment
- Various Platform Integration Options

#### **Target Threats**

- **Fixed-Wing Aircraft**
- Rotary-Wing Aircraft (helicopters)
- Unmanned Aerial Vehicles (UAVs)
- Air-to-Ground Missiles

#### **Technical Specifications**

- Frequency
- : X Band : 360° Azimuth Coverage
- Rotation Speed (rpm) : 10-60 •
- Power Consumption : <6 kW
- Stabilization : Electronic
- Weight : <350 kg
- Tracking Capacity : 200 Targets •

#### **Design Features**

- 3D Air Target Search and Tracking
- 2D Surface Target Search and Tracking
- Active Phased Array Antenna
- Low Probability of Intercept (LPI) Mode
- Solid-State Transmitter Modules (Transmit/Receive Modules)
  - Doppler Processing with Moving Target Indication
- Friend-Or-Foe Identification
- Iff Integration
- Air Cooling
- Sector Blanking and Sector Cropping
- **Built-In Test Capability**
- Jammer Detection and Direction Finding
- Surface Surveillance Video Provision
- **Gunfire Support**
- MIL-STD Compliance







specifications are subject to change without any notice.  $\mid$  All tolerances are within  $\pm 10\%$ 

