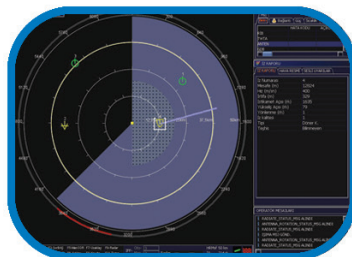
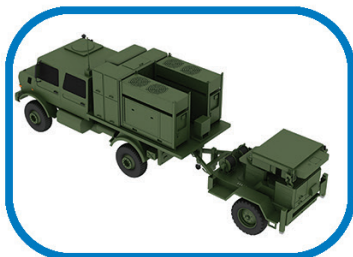


KALKAN-II

MOBILE MEDIUM ALTITUDE 3D AIR
DEFENSE RADAR





KALKAN-II

MOBILE MEDIUM ALTITUDE 3D AIR DEFENSE RADAR

KALKAN-II is a mobile X band phased array 3D search and track radar for point and area defense of critical military and civilian assets. KALKAN-II offers an instrumented range of 120 km and can track multiple targets accurately, adding classification and identification information to each target track.

KALKAN-II is a phased array radar with multi-beam architecture optimized for search and track functions. The system employs advanced electronic protection measures; it uses digital pulse compression for high range resolution, low transmission power and pulse coding.

KALKAN-II is a compact and easy-to-use standalone radar system with sensor on a trailer towed by a tactical truck. The system includes built-in IFF, north finding sensor, two power generators, radio and GPS. KALKAN-II can send target and jammer reports to Command Control Systems over its radio and can receive commands from the C2 system. KALKAN-II is currently the main radar of the Turkish Armed Forces' mobile Air Defense Early Warning and Command Control System (SKYWATCHER) and Medium Altitude Air Defense Missile System (HISAR-O).

Applications:

- Point and area air defense of critical assets
- Integration to Air Defense Missile Systems & Command Control Systems or a radar sensor in self-operating mode

Features

- 3D Detection and Tracking Fighters, Helicopters, Hovering Helicopters, Unmanned Air Vehicles (UAVs), Cruise Missiles
- Multiple target tracking
- Classification of targets
- Identification of targets with integrated Mode 5 IFF
- Jammer direction finding
- Remote operation with Command Control System
- Transportable with its own tactical truck having power and communication subsystems

Technical Specifications

- Operating Frequency : X-Band
- Instrumented Range : >120 km
- Target Track Capacity : >60
- Azimuth Coverage : 360°
- Elevation Coverage : -10° / +55°

