

AN/ALR-56M

Advanced radar warning receiver

Long range warning for mission success



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Advanced radar warning receiver system

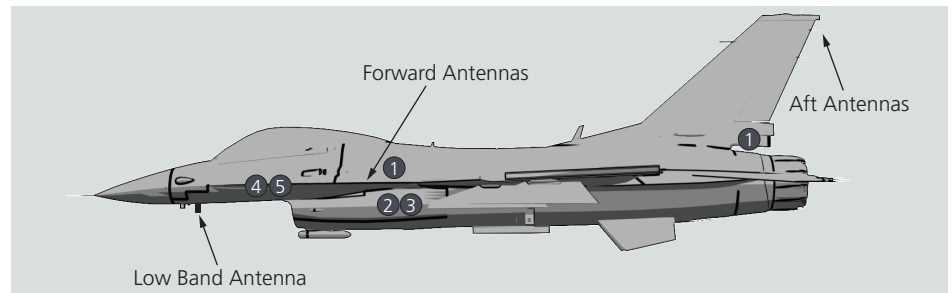
- U.S. Air Force standard advanced RWR
- Unambiguous threat detection/identification
- Advanced architecture for high-density environment
- C-J band coverage — growth to MMW and other bands
- Designed for easy RF compatibility/interoperability with a wide range of aircraft and EW avionics
- User/flightline reprogrammable
- Demonstrated high operational MTBF and low MTTR
- Two-level maintenance assures low life-cycle cost
- Over 1000 systems; baseline equipment on F-16, B-1B, C-130J and UK RMPA aircraft

Benefits

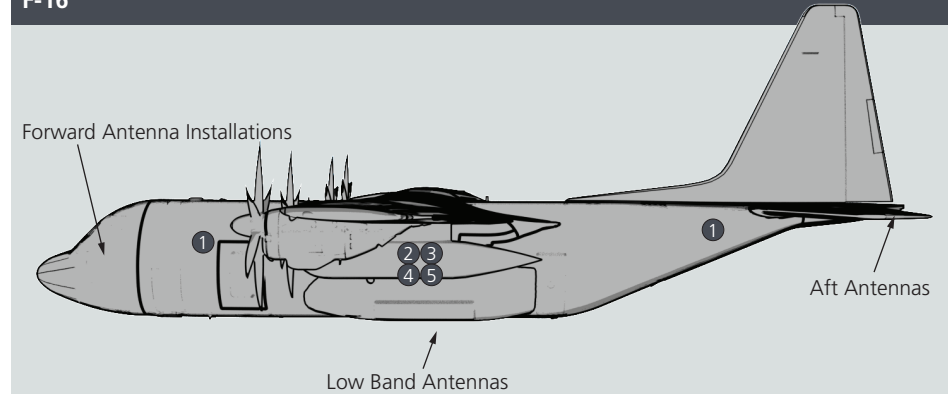
- Expanded situational awareness enabling long-range response strategy — threat avoidance
- Easy interoperability with a wide range of aircraft and avionics
- Demonstrated high operational MTBF and low MTTR
- Two-level maintenance assures low life-cycle costs
- User reprogrammability
- Operational on F-16 and C-130 — combat-proven
- Provides effective threat warning and primary sensor/control for expanded defensive aids systems
- Retrofits easily into numerous aircraft utilizing installed antennas and displays

System features

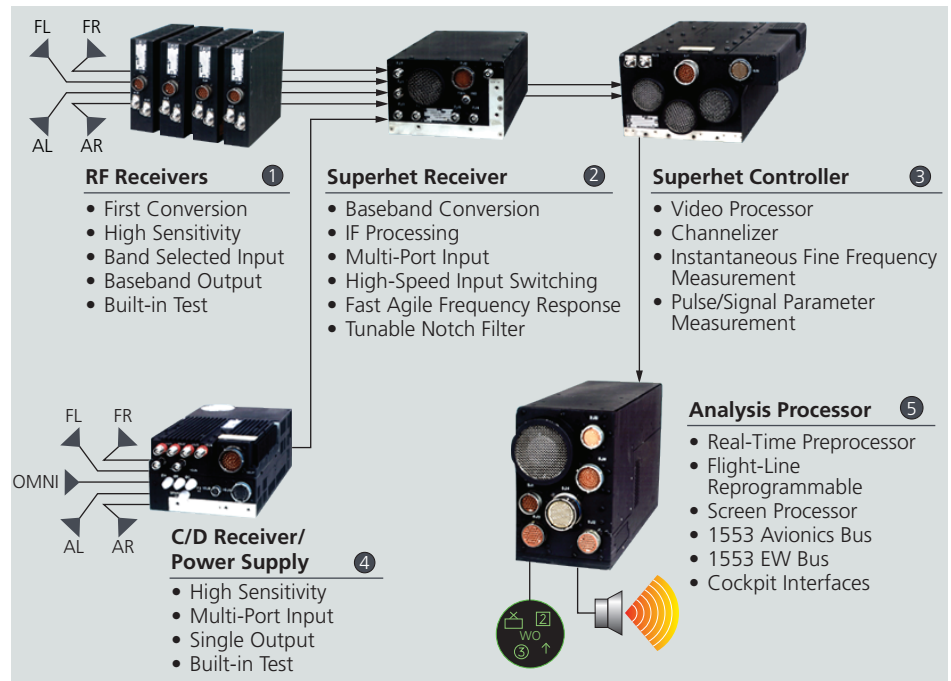
- Modern RISC-computer controlled, wideband, agile, superheterodyne receiver architecture
- Automatically adapts selectivity and sensitivity to the threat environment
- Reliable detection and digital preprocessing eliminates non-threat RF signals
- Adaptive high-speed digital signal processing
- Adaptive real-time filtering provides protection against high-rate emitters and CW signals
- Continuous built-in test and calibration with in-cockpit reporting
- Capability growth (e.g., dual pole, mmW, precision location, identification)
- Detects and identifies all modern search, acquisition and tracking radars of ground-based and aircraft weapons systems



F-16



C-130J



For more information contact:

BAE Systems

Peter Snetzko

T: (office) 973 317 7066

T: (mobile) 603 318 6862

E: peter.snetzko@baesystems.com

W: www.baesystems.com

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CS-16-H50-ANALR-56M