



MULTIMODE AIRBORNE FIRE CONTROL RADAR

ELM-2032





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The ELM-2032 is an advanced multimode airborne Fire Control Radar (FCR) for multi-mission fighters, oriented for air-to-air, air to sea and strike missions. The radar comprises three modules (Transmitter, Receiver Processor and Antenna) which can be customized and configured to fit all types of fighter aircraft's nose cones (such as FA-50, F-5, Mirage, MIG 21 and more).

FEATURES

- Pulse Doppler, all aspect, look-down shoot-down capabilities
- Low sidelobe planar antenna
- Monopulse and guard channels
- Programmable Signal Processor (PSP)
- Supports all avionics interfaces
- Full software control
- Small size, very light weight, very low power and cooling resources requirement

OPERATIONAL MODES

Air-to-Air detection and tracking) (range up to 80 NM

Range While Search (RWS)
Single Target Track (STT)
Track While Scan (TWS)
Situation Awareness Mode (SAM)
Dual Target Track (DTT)
Raid Assessment (RA)
Air Combat Modes (ACM):

- Vertical Scan
- Slewable ACM
- HUD ACM
- Boresight
- Adaptive Boresight

Air-to-Ground surface target detection) (up to 80 NM

High resolution mapping
SAR mode with 3000x3000
image pixels
SMTI over RBM or SAR
SMTT over RBM or SAR
(Real Beam Map (RBM
(Air-to-Ground Ranging (AGR
(Beacon (BCN
(Weather (WA
Terrain Avoidanc

Air-to-Sea detection, tracking and) (classification up to 160 NM

High resolution mapping Sea Search
(SS)
Sea Targets TWS
Sea Target Continuous Track (STCT)
Inverse SAR (ISAR) Sea Target
Classification
Range Signature (RS) Sea Target
Classification

