

**aselsan**

# ÇAFRAD

MULTI FUNCTIONAL PHASED ARRAY RADAR





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## MULTI FUNCTIONAL PHASED ARRAY RADAR

ÇAFRAD combines indigenous design with latest technological advances including fully solid state transmit/receive modules, digital signal processing, pulse compression, multiple target tracking, electronic beam stabilization along with advanced electronic counter-counter measures.

ÇAFRAD suite creates detailed long range recognized air picture with multitasking functionality

### Active, Non-Rotating IFF Antenna Subsystem

- STANAG 4193 compliant Mode 1/2/3/C/S/5 interrogation
- 450 km range

### Active Phased Array Multifunction Radar (ÇFR)

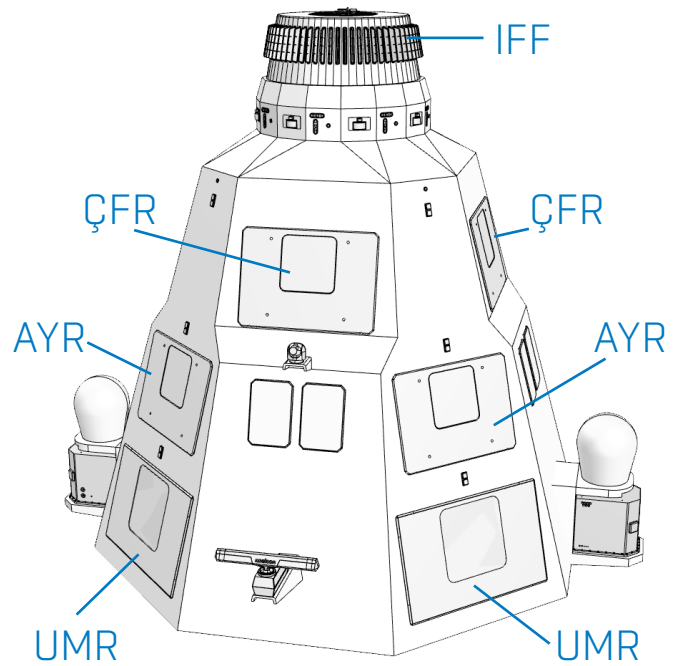
- X-Band
- Volume and horizon search,
- Air/surface target detection, tracking and classification,
- Sea-skimming fast-small target detection and tracking,
- Multiple target precise tracking,
- 150 km range
- Track capacity >1000

### Active Phased Array Illumination Radar (AYR)

- X-Band
- Semi-active missile guidance
- 150 km range

### Active Phased Array Long Range Search Radar (UMR)

- S-Band
- Long Range volume search,
- Air/surface target detection, tracking and classification,
- 450 km range
- Track capacity >2000



ÇAFRAD suite can be integrated into single mast structure with Electronic Warfare Suite, Navigation/LPI Radars and Active Communications Antennas or can be distributed along the ship superstructure.