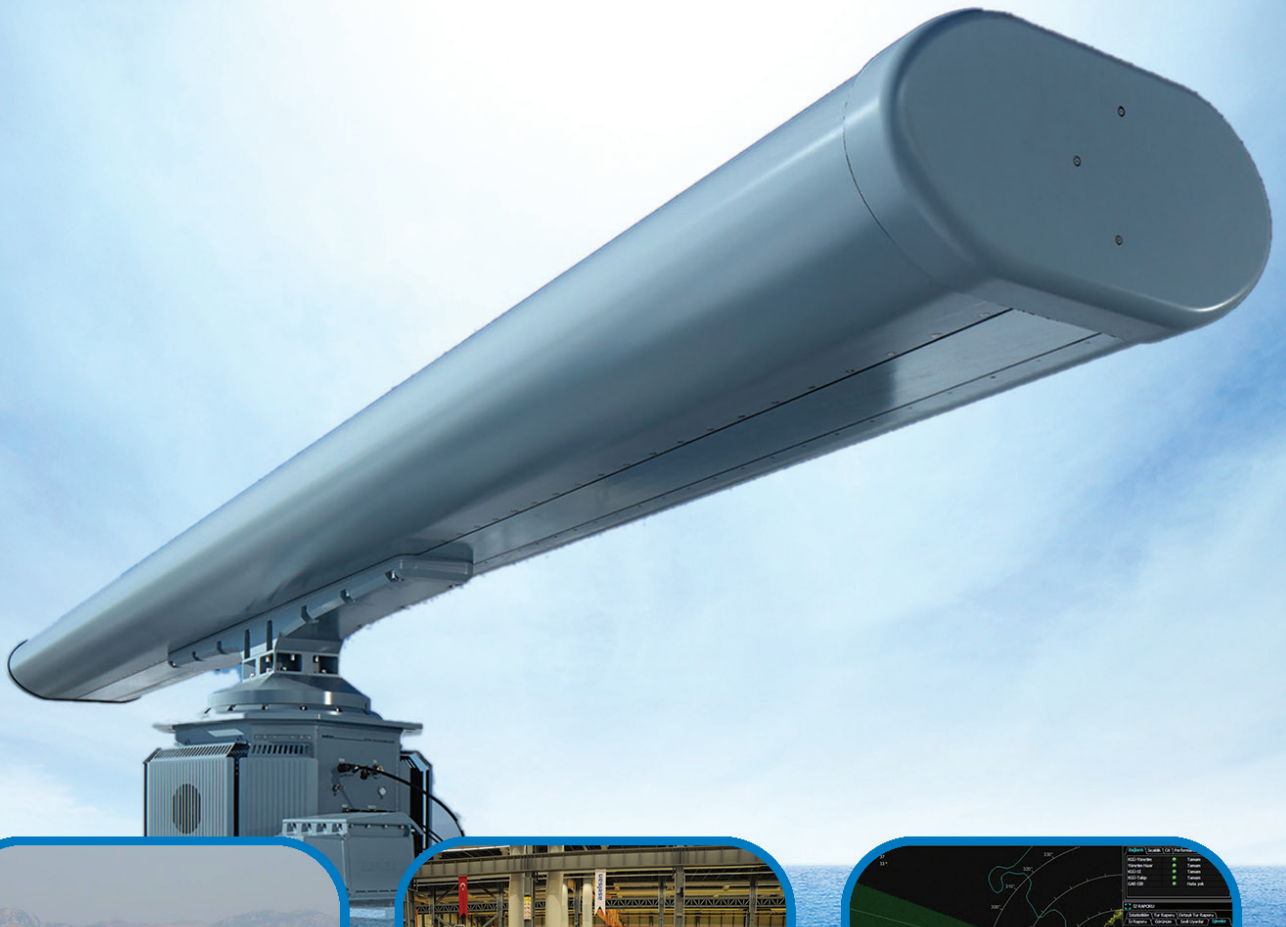


# SERDAR

COASTAL SURVEILLANCE RADAR FAMILY





# SERDAR

## COASTAL SURVEILLANCE RADAR FAMILY

SERDAR Coastal Surveillance Radar is a fully solid-state, X-Band, FMCW Radar system designed and developed by ASELSAN for automatic detection and tracking of above water naval targets and low flying airborne targets. The radar can be installed on a stationary ground platform and can be controlled by a remote Command Control Station.

ASELSAN SERDAR Coastal Surveillance Radar Family has two configurations to be used for different surveillance requirements.

### Applications

- Coastal Surveillance
- Vessel Traffic Control
- Harbour Control

### Features

- Low Probability of Intercept (LPI)
- Compliant with IALA V128 Operational and Technical Performance Requirements for VTS Equipment
- Superior Close Range Performance
- 7/24 Operability
- High Range Resolution
- Modular Design
- Low Antenna Sidelobe Levels
- Automatic Tracking of over 300 Targets
- Sector Blanking
- 3 Different Antenna Rotation Speed Modes
- Low Failure Rate
- Built-in-Test (BIT) Capability
- Compliant with MIL-STD-810G and MIL-STD-461F

	SERDAR-4M	SERDAR-7M
Waveform	FMCW	
Operating Frequency	X-Band	
Antenna Rotation Speed	6 rpm, 12 rpm, 18 rpm	
Range Performance	IALA V128 Basic	IALA V128 Standart
Range Selection	12, 24, ve 36 mm	12, 24, ve 48 NM
Output Power	10W	40W
Target Separation and Accuracy in Range	IALA V128 Advanced	IALA V128 Advanced
Target Separation and Accuracy in Azimuth	IALA V128 Basic	IALA V128 Advanced
Antenna	Antenna beam shape can be adjusted to have better coverage of the shoreline (invcossec2)	The radar antenna tilt angle is adjustable on installation to provide the best radar pattern.

