



SERDAR | 100-Co
aselsan

COASTAL SURVEILLANCE RADAR

#Radar



aselsan

COASTAL SURVEILLANCE RADAR

SERDAR 100-Co 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.

SERDAR 100-Co 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 No:1111 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-461Fv

Technical Specification

- | | |
|---|-------------------------|
| • Waveform | : FMCW |
| • Operating Frequency | : X-Band |
| • Antenna Rotation Speed | : 6 rpm, 12 rpm, 18 rpm |
| • Range Performance | : IALA No.1111 Ed.1 |
| Advanced | |
| • Range Selection | : 12, 24, 48 and 96 NM |
| • Output Power | : 40W |
| • Target Separation and Accuracy in Range | : IALA No.1111 Ed.1 |
| Advanced | |
| • Target Separation and Accuracy in Azimuth | : IALA No.1111 Ed.1 |
| Advanced | |

