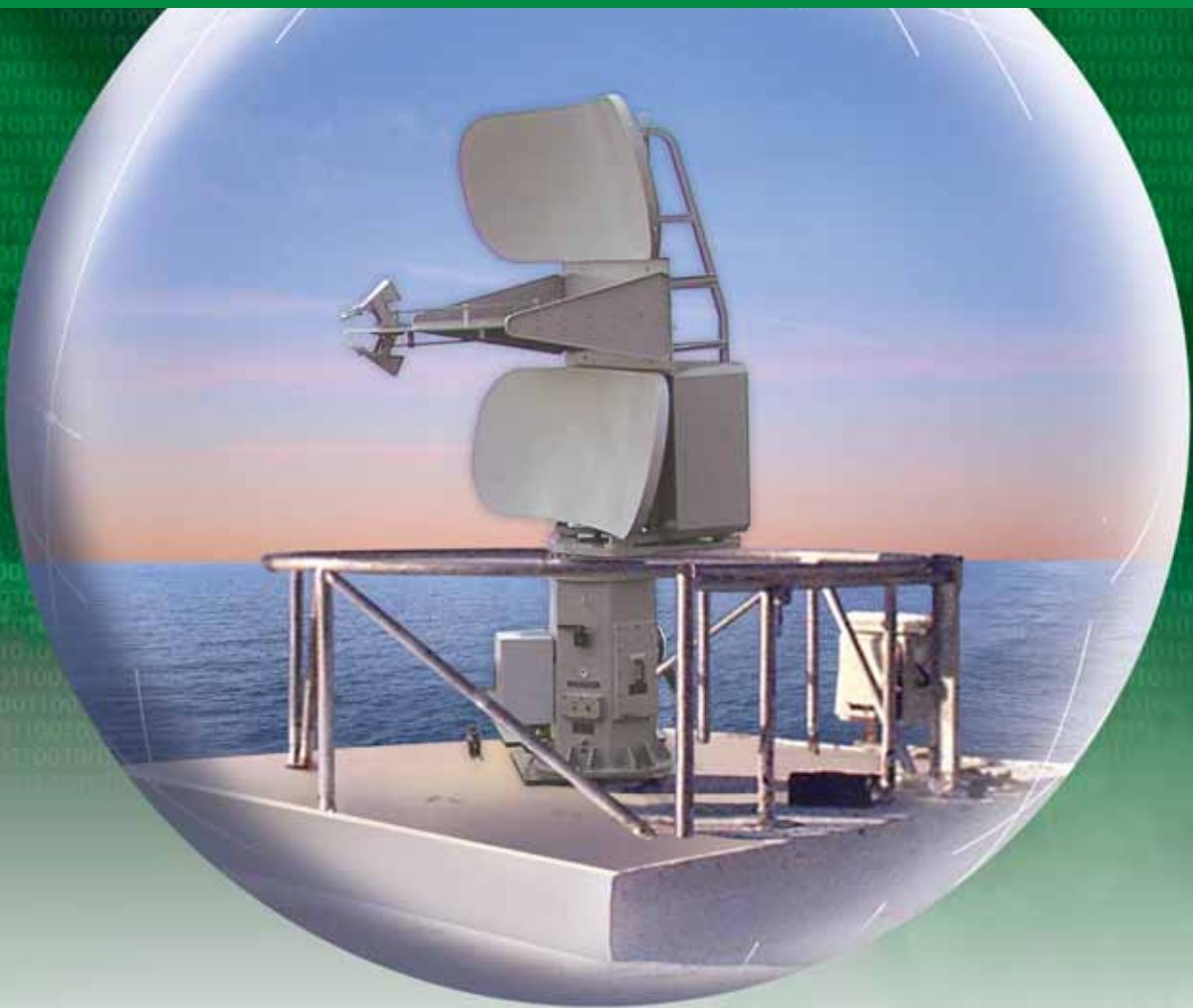


ACSR - Advanced Coastal Surveillance Radar Family ■ EL/M-2226



■ DEFENSE & SELF-PROTECTION

General

The EL/M-2226 ACSR is an innovative state-of-the-art Coastal Surveillance Radar Family, optimized for the detection of all types of surface targets even under extremely adverse sea conditions.

This digital, solid state, compact, cost-effective and user-friendly system is ELTA's 3rd generation Coastal Surveillance Radar. It incorporates ELTA's vast experience in surveillance radars and utilizes the company's high resolution technology.

The radar features continuous, gap-free, automatic detection and tracking of targets, providing a reliable tactical situation display. Its operation is very simple and has a very low operator workload.

The system for coastal surveillance and VTS can be supplied either in fixed or mobile configurations. The family includes 3 radar types: short-range, medium-range and long-range.

Features

- Operates 24/365 under all weather conditions
- Automatic detection and tracking of more than 500 targets
- High range accuracy and resolution
- Classification by accurate range signature
- PC-based Control Unit and friendly MMI
- Operation:
 - Remote controlled or local operation
 - Cluster of radars operated from CCC console
- Background digital map on color display
- Lightweight and low power consumption
- High reliability and advanced Built-In-Test (BIT)
- Interoperability with additional sensors, (i.e. Electro-Optical, CSM/DF, ESM, AIS, etc.)
- Optional capabilities:
 - Monopulse for high azimuth accuracy
 - Inverse Synthetic Aperture Radar (ISAR) for target classification

ACSR - Advanced Coastal Surveillance Radar Family ■ EL/M-2226



Ethernet Line

Applications

- Prevention of illegal immigration and drug smuggling
- Maritime traffic control
- Prevention of illegal fishing
- Prevention of terrorist activities
- Detection of submarine periscope and radar antenna
- Detection of airborne targets within the radar's main beam

System Configuration

- Lightweight antenna assembly including Pedestal/Turntable
- Main electronic units:
RF Front-End, Transmitter, Receiver, Signal Processor and Controller
- PC-Based Control and Display Unit

Specifications

LFMCW solid state radar: 5W, 50W
 Frequency: X Band
 Detection ranges (sea stage 3):
 - Rubber boat: > 20 km
 - Patrol craft: > 60 km
 - Large ships: up to horizon
 Azimuth beamwidth: 1.5°
 Elevation beamwidth: 3.5°
 No. of targets/tracks: > 500

- | | |
|---|----------------------------|
| 1 Operator Stations | 4 Short Range Radar |
| 2 MCSS - Mobile Coastal Surveillance System | 5 Command & Control Center |
| 3 ISAR Image | 6 Fixed Coastal Station |

www.elta-iai.com

ISRAEL Tel: (972)8-857-2312/2410. Fax: (972)8-856-1872
 E-mail: market@elta.co.il
 U.S.A. Tel: (703)875-3726. Fax: (703)875-3770
 EUROPE Tel: (33)1-46.40.47.47. Fax: (33)1-46.40.47.48.

The contents of this brochure are presented as general information only and are not meant to, nor do they, constitute any representation or warranty by ELTA Systems Ltd. The contents are not meant to serve or be used in substitution for the information contained in any approved specification, manual or the like issued by ELTA Systems Ltd. The contents shall not in any way add to, amend, delete or change any term of any contract in which ELTA Systems Ltd. is a party.

ELTA Systems Ltd.
 Group & Subsidiary of ISRAEL AEROSPACE INDUSTRIES LTD.
Innovation. Solutions. Control.

www.elta-iai.com • E-mail: market@elta.co.il