

COASTAL SURVEILLANCE

- ▶ Designed for security missions : piracy, trafficking, illegal fisheries, illegal immigration, assets intrusion
- ▶ X band
- ▶ Range: 40 NM
- ▶ Outstanding detection of very small targets in harsh environment
- ▶ Sea proven Furuno radar head
- ▶ Low ownership cost

SECURITY

COAST WATCHER 10

Short to medium coastal surveillance radar





SECURITY

COAST WATCHER 10

Medium range coastal surveillance radar

OPERATION

- 1 000 simultaneous tracks
- Excellent detection under rain and by all weather conditions, thanks to its automatic weather detection and adaptation mode
- Accurate and low false alarm detection and tracking, based on the Kinematics Scan to scan[®] patented, Thales processing
- Fully automatic or manual operation
- Advanced and easy data display for a faster decision-making by the operator
- Alarm in programmable non-intrusion zones
- Slew to cue camera surveillance option

LOW POSSESSION COST

- Radar based on a sea-proven Furuno radar head and Thales processing through a worldwide agreement, allowing:
 - MTBF: > 5.000 Hrs
 - Remote diagnostic (Built-In Test Equipment)
 - High availability (COTS based processing and sea-proven Furuno radar head)
 - Excellent spares availability: fast and worldwide Furuno retail service in any major port

MAIN CHARACTERISTICS

FREQUENCY

- X-band operation for optimised surface detection

TRANSMITTER

- Technology: Magnetron
- Peak Power: 50 kW
- PRF staggering, false pulse rejector

ANTENNA

- Rotation speed: typically 18-22 rpm
- Azimuth resolution: 0.75°
- Polarization: horizontal

RANGE

- Instrumented range: 40 NM
- Range resolution: down to 12 m, at any distance

PROCESSING

- Open architecture based on COTS (PC processors)
- False alarm regulation
- Environment analysis (Detection of harsh weather areas and automatic processing adaptation)
- ATE (Adaptation To Environment)
- Kinematics Scan to scan[®] processing (allows excellent detection and tracking of all static and moving targets in any weather)
- Surface tracking with automatic initiation
- Use of electronic chart
- AIS connection and geographical mapping
- IP / ASTERIX protocol

