



C-FLEX SCANTER RADAR

SURFACE & AIR SURVEILLANCE

Terma's SCANTER Naval Surveillance Radars are optimized to fulfil OPV missions and tasks. Its capability of small target detection and automatic tracking, combined with a high accuracy performance, enables modern OPVs to see very small targets making it ideal for SAR/MOB operations.

The high accuracy performance provides a detailed target separation thereby inhibiting small boats with illegal intentions to hide close to larger targets.

The SCANTER Radar is fully integrated into the C-Flex Mission System for control and display of tracks and raw radar videos as overlays to the Situation Display.

The radar can operate with variable antenna rotation speed, to optimize radar performance to the current mission profile and weather conditions. To ease the setting during operation these and other radar parameters, are organized in profiles manageable from the C-Flex Mission System.



Operational Capabilities

- Navigational Support
- Surface Surveillance
- Horizon Search
- Threat Detection
- Air Space Monitoring
- Helicopter Approach and Control
- Search & Rescue

Value

- Simultaneous Surface & Air Surveillance
- Superior surface patrolling
- Small target detection (on surface and in the air)
- High adaptive resolution for target separation)
- Helicopter guidance operations
- Environment Adaptation
- Electronic Counter Countermeasures (LPI and Sector)
- IFF Integration
- IMO Compliant / Certified (with applicable Navigation system)

Technical

- High Power Solid State Amplifier
- GaN transistor technology,
- Number of plots/sec: > 1.000
- Number of tracks: > 500 (surface), >150 (Air)
- Pulse Compression for high spatial resolution
- Large dynamic range to see large and small targets close together
- Frequency- and time diversity to increase detectability
- Automatic adaptation to weather and sea conditions
- Multi-hypothesis embedded tracking

