



# SCANTER 4100

## Naval Air & Surface Surveillance Radar





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The SCANTER 4100 radar series offers superior 2D Naval Surveillance for simultaneous detection and tracking of air and surface targets in all sea and weather conditions. The SCANTER 4100 series' superior detection and tracking capabilities of small air and surface targets are ideal for protection against asymmetric threats, search-and-rescue operations, and law enforcement tasks, e.g. control of illegal immigration, smugglers, and piracy. Thus, the SCANTER 4100 series is a major contributor to the Situational Awareness picture for all vessels from Border Police and Patrol Vessels to Frigates.

The SCANTER 4100 series is founded on Terna's more than 60 years of experience with development of radars for Navies, Coast Guards, and other high demanding authorities around the world, for unprecedented 2D Naval Surveillance Capabilities.

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## **VERSATILE AND FLEXIBLE RADAR**

The SCANTER 4100 series is in operation from the Arctic to Antarctica on numerous ship classes, including Landing Craft, Offshore Patrol Vessels, Large Support Ships and Corvettes / Frigates.

SCANTER radars come with an open ended interface for easy integration to own and third party products and sensors, e.g. existing Command Management System, Fire Control System, or a dedicated radar console.

## **OPERATIONAL CAPABILITIES**

### **SITUATIONAL AWARENESS**

The SCANTER 4100 series provides unsurpassed air and surface detection and tracking capability of small targets, from the radar horizon to the vessel's side and up to 35,000 ft. in all sea and weather conditions. The SCANTER 4100 series provides the operator with a superior high resolution air and surface situational awareness picture to improve and secure fast decision-making and self-protection.



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#### UAV AND HELICOPTER CONTROL

The SCANTER 4100 series supports operation of both UAVs and helicopters.

Helicopters can be detected and controlled beyond 30 nmi and followed onto the vessel's side, allowing for landing control on own ship or at remote locations, significantly increasing the operational capabilities of the vessel.

#### SEARCH AND RESCUE

Objects in distress are in need of immediate help and rely on radar capabilities to track their movement and guide and control the search-and-rescue operation to their location. The SCANTER 4100 series delivers the range, speed, and accuracy needed for mission success.

The combination of simultaneous detection of small surface targets and helicopter control makes the SCANTER 4100 series extremely well-suited for supporting search-and-rescue operations.

Integrated with Terma's C-Flex Command & Control (C2) system, search-and-rescue operations can be better coordinated and performed much more effectively due to standard search patterns such

as expanding square, parallel track, sector survey, etc. and with individual settings of search width, search speed, etc. depending on weather conditions.

#### THREAT DETECTION

The SCANTER 4100 series protects naval platforms through constant threat evaluation and is able to detect incoming sea skimmer missiles for timely counter measures.

The SCANTER 4100 series is seamlessly integrated with C-Guard, Terma's mission proven Soft Kill Weapon System (SKWS) protecting naval platforms against coordinated multi-threat / multidirectional attacks.

#### TRACK INFORMATION FOR WEAPON SYSTEM

The SCANTER 4100 series' embedded accurate tracker allows for transmission of target data to the Command Management System or Fire Control System for target designation.

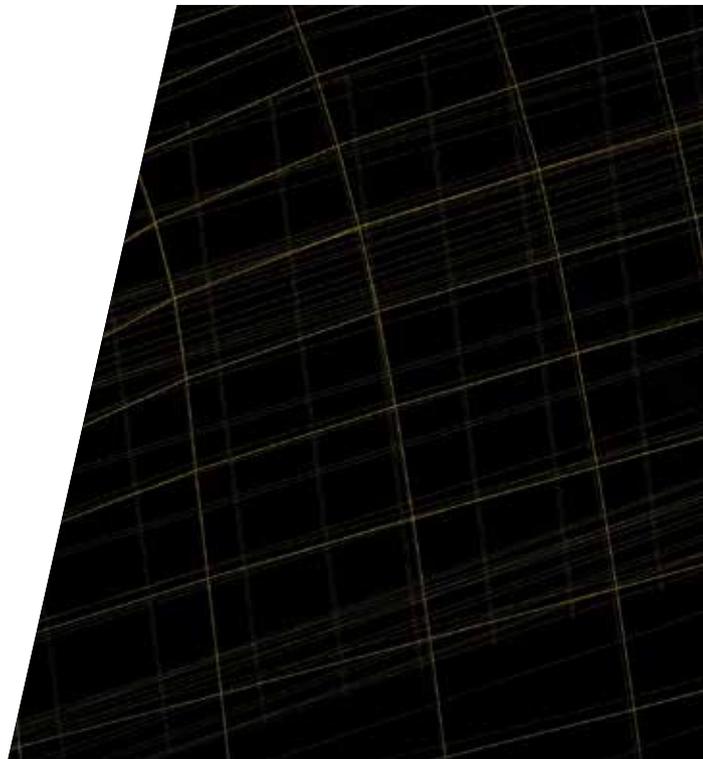
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Operating in the aerospace, defense, and security sector, Terma supports customers and partners all over the world. With more than 1,100 committed employees globally, we develop and manufacture mission-critical products and solutions that meet exacting customer requirements.

At Terma, we believe in the premise that creating customer value is not just about strong engineering and manufacturing skills. It is also about being able to apply these skills in the context of our customers' specific needs. Only through close collaboration and dialog can we deliver a level of partnership and integration unmatched in the industry.

Our business activities, products, and systems include: command and control systems; radar systems; self-protection systems for ships and aircraft; space technology; and advanced aerostructures for the aircraft industry.

Headquartered in Aarhus, Denmark, Terma has subsidiaries and operations in The Netherlands, Germany, India, Singapore as well as a wholly-owned U.S. subsidiary, Terma North America Inc. Terma North America Inc. is headquartered in Arlington, in the Washington D.C. area, with other offices in Georgia, Texas, Alabama and Virginia.



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