



# SCANTER 2600 Series Naval Surveillance Radar





# Small and Efficient X-band Solid State Radar

## SCANTER 2600 SERIES

The SCANTER 2600 radar series is an X-band, 2D, fully coherent pulse compression radar, based on Solid State transmitter technology with digital software-defined functionality. The outdoor transceiver unit is a ruggedized design for up-mast installation to minimize waveguide loss between antenna and transceiver. All interfaces, processing and tracking are embedded in the up-mast unit.

## IMO REQUIREMENTS

The SCANTER 2600 radar series meets the requirements for professional navigation applications, where quality and durability are significant. IMO requirements can be met with a Terma 7' Compact antenna. With larger antennas, increased small target detectability is achievable.

## OPERATIONAL CAPABILITIES

### AUTOMATED PROCESSING

The SCANTER 2600 radar series includes all RF-signals and processing in one unit. ET2 tracking may be included as an embedded option.

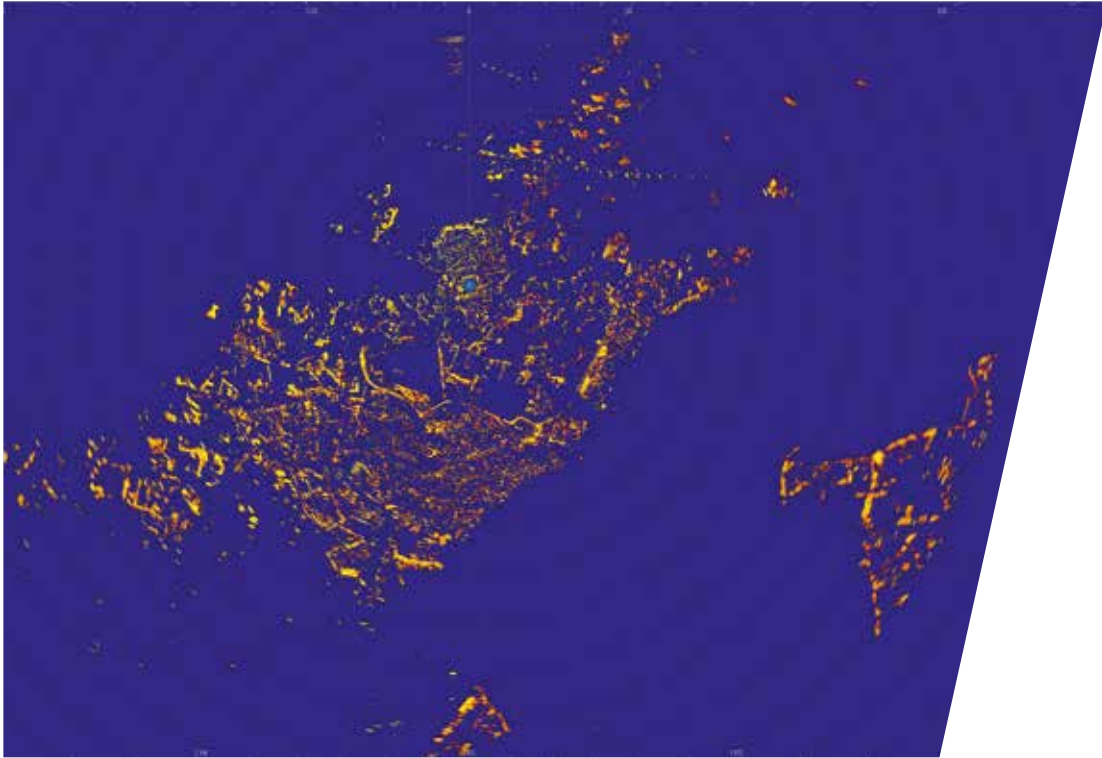
### COMMUNICATION INTERFACE

Communication interface to the transceiver is established via a standard IP network (LAN or WAN), which provides network radar video, plots, tracks, control, etc. Service information is also obtained via the IP network.

The SCANTER 2600 radar series is well-suited as sensor in systems for medium-range surface surveillance.

## PRODUCT CHARACTERISTICS

Terma's SCANTER 2600 series is part of a larger family of Terma radar products, which have all benefitted from the introduction of fully digital signal processing and Solid State technology.



The SCANTER 2600 meets the requirements for professional VTS applications, where quality and durability are significant.

The SCANTER 2600 radar series is compatible with Terma’s standard antenna program and interface protocols.

Configuration of the transceiver is obtained by pre-defined profiles, including all parameters needed to set up the radar. Profiles are optimized for different applications, varying weather conditions, or specific operational demands.

**SMALL SIZE**

The outdoor transceiver unit weighs only 26 kg and can be placed up-mast close to the antenna with no requirement for an equipment room.

**EASE OF INTEGRATION**

The SCANTER 2600 series relies on standard IP network to ensure effortless integration with existing and third-party systems using standard Terma protocols.

**SUPPPORT & SERVICE**

Terma offers easy replacement of spare parts.

**BASED ON THE SCANTER RADAR TECHNOLOGY**

Terma has more than 60 years of experience in developing and manufacturing radars, and more than 2,200 radar systems are installed worldwide. Terma provides radar sensors to Vessel Traffic Services (VTS), Coastal Surveillance Radar (CS), and Surface Movement Radar (SMR) segments. More than 85% of all major airports around the world and 65% of all coastal shores rely on Terma’s sensor technology.

**KEY BENEFITS**

- Based on Terma’s high-quality and state-of-the-art radar technology
- Weight only 26 kg
- Easy integration – standard IP network
- Low installation life-time cost

**KEY FIGURES**

Weight	26 kg
h x w x d	466 mm x 422 mm x 422 mm
Type	Solid State power amplifier
Frequency	9.3-9.5GHz
Sector Transmission	Blanking/reduced tx-power
Sampling	12 bit @ 200 MHz
Dynamic range	> 100 dB (incl. processing)
Noise figure	2.5 dB typical
Emitter	>80W peak (equivalent to 25 kW magnetron)
Min. detection range	30 m



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Operating in the aerospace, defense, and security sector, Terma supports customers and partners all over the world. With more than 1,200 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, UAE, UK, 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, and Virginia.



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