

# SAILOR® 100 SATELLITE TV

**COBHAM**

Television for professionals. Anywhere, anytime

2013 Product Sheet

The most important thing we build is trust

**SAILOR 100 Satellite TV is the most advanced, rugged and reliable satellite TV antenna ever built. With a 103 cm dish, advanced 3 axis structure and integrated GPS, it is the perfect balance between size and performance on the Ku-band and ensures that crew on vessels operating all over the world can enjoy the latest satellite television broadcasting.**

## Professional Reliability

SAILOR 100 Satellite TV is designed, developed and manufactured in-house by experienced engineers with key focus of meeting the demands of maritime professionals, even in the toughest of conditions. It features an advanced, programmable LNB, multi polarization and sophisticated software to ensure strong and steady TV reception anywhere in the world, across all Ku-band content providers.

## Innovation Makes it Easy

With SAILOR 100 Satellite TV, everything is designed with simplicity and ease of use in mind. Reliable TV reception at sea can play a significant role in the welfare of officers and crew. Make it easier by choosing the best, with sophisticated features including:

- **Single cable installation** makes installation easier and considerably more cost effective
- **Multi polarisation and a programmable LNB** ensures worldwide TV reception
- **Advanced rotary joint** enables unlimited azimuth range, eliminating the need for cable unwrap
- **Powerful touch screen terminal** to handle all setup, service and management

SAILOR 100 Satellite TV requires only a single 50  $\Omega$  coax cable to handle power, data and the TV signal. This is a truly unique feature in the maritime satellite TV market, which significantly reduces installation costs. Additionally, the large service hatch and modular design of the antenna enables easy access and ensures fast and efficient service whilst the intuitive user interface on the touch screen terminal and web interface supports the straightforward installation, setup and daily operation.

## Proven Performance

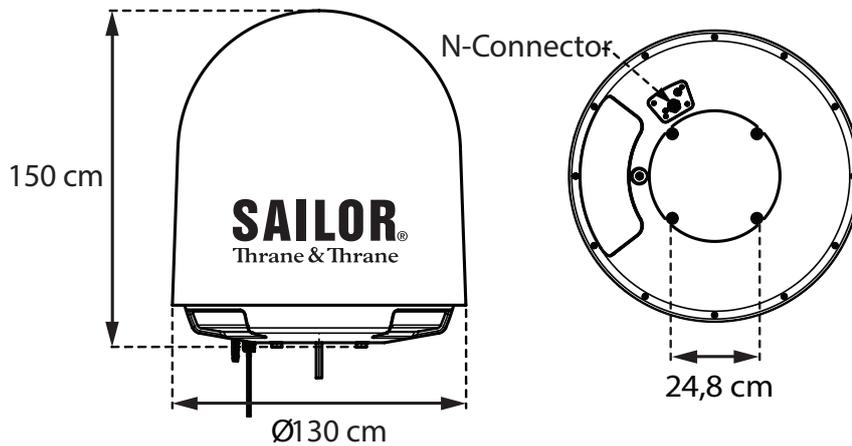
Based on the SAILOR 900 VSAT platform, SAILOR 100 Satellite TV has the same superior performance and quality standards as the highly acclaimed VSAT communications system. Rigorous testing, in-house at our state-of-the-art testing facility as well as at sea, ensures that the antenna lives up to the high standards of quality and reliability that users have come to expect from all SAILOR equipment.



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## GENERAL SPECIFICATIONS

Antenna Type	3-Axis, stabilized tracking Ku-band antenna
Active Antenna Diameter	103 cm / 40.6"
Radome Diameter	130 cm / 51.2"
Radome Height	150 cm / 58.9"
Weight	126 Kg
LNB	Worldwide programmable LNB
Min. EIRP	41.3 dBW
Azimuth Range	Unlimited (Rotary Joint)
Elevation Range	-25° to 125°
LNB Skew range	±90°
Power	20-32 VDC
Power Consumption	285 W peak, 90 W typical
Cable	Single 50Ω coax
Polarization	Linear and Circular (Automatic Depolarisor)
Temperature Range	-25°C to 55°C
Dimension ACU	H: 66 mm W: 483 mm D: 315 mm

## SHIPS MOTION

Turning Rate - Acceleration	15°/s - 15°/s <sup>2</sup>
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