

# Sea Tel 6006RZA C

3-Axis marine stabilized antenna system compatible with C-Band satellites

2009 Data Sheet

The most important thing we build is trust

## The Model 6006RZA C Broadband-at-Sea

The 6006RZA C-Band Antenna is a 1.5-meter C-Band maritime VSAT antenna for SCPC, broadband, or hybrid networks. The 6006RZA C-Band is equipped with a linear feed assembly with an operating range of 3.400-4.200 GHz Receive and 5.850-6.725 GHz Transmit frequencies.

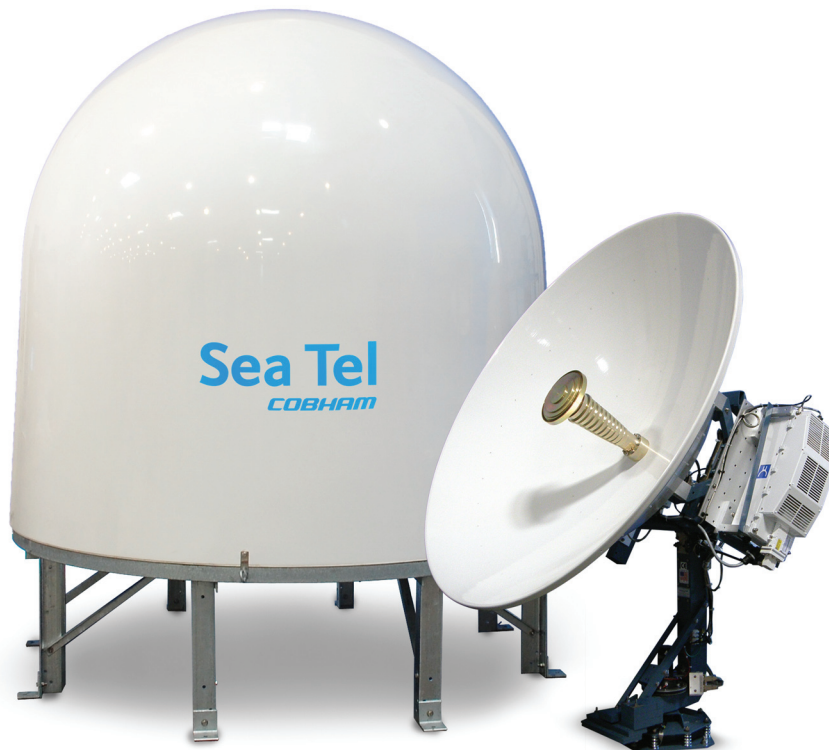
The 6006RZA C-Band is ideal for ocean going vessels that require always-on broadband satellite communications. The 6006 C-Band System is suitable for data, voice and video applications including internet, e-mail, VOIP, video conferencing, video security, file

transfers, back-up and VPN (Virtual Private Network) access.

The Sea Tel 06 Series utilizes the DAC 2202 Antenna Control Unit. The DAC 2202 is a 19" rack mount unit (1.75" tall) featuring: (3) RS-232/422 Serial Ports; (1) full function M&C and (2) NMEA ports for heading, GPS input and modem compatible, reformatted GPS output; (1) Ethernet port allowing (2) full-function TCP/IP M&C ports; (1) multi-user HTML interface port for setting all DAC parameters and viewing the current DAC status; (1) UDP download port for updating software in the Comm Interface. DAC-2302 is available for 70/140 MHz Receivers.

## Specifications

- Antenna: 1.5 m/58" Diam. Ring Focus
- Radome: 2.05m/80.8" D x 2.37m/93" H (Frequency Tuned)
- Weight: 363 Kg/ 800 lbs. approx.
- Polarized Feed: Linear Cross-pol or Co-pol with Automatic Control
- BUC: 25 W is Standard & 40 W Optional
- Transmit Gain: 37.7dBi @ 6.2 GHz
- Receive Gain: 33.3dBi @ 3.7 GHz
- Ship's Motion: +/-25 degrees roll; +/-10 degrees pitch
- Pedestal Type: 3-axis: Level, Cross-Level and Azimuth
- Operating Temperature Range: -20 Degrees C to +55 Degrees C
- Transmission rate is compatible with many different types of modems, networks and services.
- IP access to the Internet and corporate networks enabling fast downloads of large data files and e-mail
- Unlimited data transfer allowance
- Digital Antenna Controller (DAC) provides an Ethernet port for shipboard network compatibility and remote access
- Brake system on EL & CL axis to prevent damage due to loss of power
- Easy stand-alone or network compatible installation
- 24/7 customer care and technical support
- 1-year warranty on parts, 1-year labor



Sea Tel's patented, 3-axis stabilization system isolates the antenna from the ship's motion no matter how rough the weather and seas. The antenna system responds to ship's movement at a rate as fast as 90 degrees per second.

For further information please contact:

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