

Sea Tel 4009 X Band

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

2013 Data Sheet

The most important thing we build is trust

The Model 4009 1.0 Meter X Band

The Sea Tel model 4009 is our latest innovation in VSAT marine stabilized antenna systems incorporating the latest technology in optimal antenna RF characteristics, with unsurpassed vibration isolation performance. The platform is designed to withstand the most demanding sea conditions.

A new RF "TUNED" radome provides the best performing commercial radome in the maritime market. Innovation in design and attention to detail have been the driving forces behind this new model with an emphasis on reliability.

The Sea Tel 09 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. Remote access capable. Dual Antenna configuration with arbitrator available.

Specifications

- Antenna: 1m/40in D Ring Focus
- Radome Dimensions: 1.71m/67.2inD x 1.77m/70in H (1.8m/71in max flange diameter)
- Weight: 350lbs / 175 kg
- Feed: Circular RHCP/LHCP (selectable from below deck)
- WR 112 TX Waveguide path: Minimizes Tx Path loss (0.75dB typ.)
- Current BUC options: 40, 60 or 80 Watt Terrasat
- Transmit Gain: 36.5 dBi @ 8.0 GHz
- Receive Gain: 35.5dBi @ 7.5 GHz
- System G/T: 15.0 dB/K @ 7.25 GHz
- Pedestal Type: 3-axis; Level, Cross Level and Azimuth
- Roll/Pitch Amplitude: : +/-25 degrees Roll; +/-15 degrees pitch
- Brake system on EI and CL axes to prevent damage due to loss of ships power
- Meets or exceeds:
MIL-STD-167-1 (Vibration)
Mil-STD-901D, Grade B (shock)
MIL-STD-461 (EMI/RFI)
- Easy stand-alone or network compatible installation
- 24/7 customer care and technical support.
- 2-year parts, 1-year labor



Sea Tel's 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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