

# Sea Tel<sup>®</sup> 14400 Antenna

*When the going gets rough, Sea Tel<sup>®</sup> keeps going*



**The Sea Tel Model 14400** is our top-of-the-line TV-at-Sea™ system. It has always been the choice for the user who needs the largest possible offshore operating area and compatibility with all known and planned satellites. With the major tracking, reliability and stability improvements introduced recently, it is more than ever the antenna system of choice.

Available in C-band and Ku-band configurations or “dual-band” configuration that permits the same antenna to be used for both. The 14400 is designed and built to pass the U.S. Navy’s tests for vibration, shock and protection against RFI and EMI emissions. And when it comes to vibration, this antenna actually exceeds Navy MIL-STD-167-1 standards.

**COBHAM** Antennas

[www.seatel.com](http://www.seatel.com)

**Sea Tel<sup>®</sup>**  
*Look to the Leader. Look to Sea Tel.*

## HDTV-at-Sea

- Antenna Gain C-band: 42.2 dB at 4.2 GHz
- Antenna Gain Ku-band: 49.6 dB at 12.5 GHz
- Min. EIRP C-band: 28 dBW
- Min. EIRP Ku-band: 32 - 33 dBW
- Dish Diameter: 3.6 m; 142 in
- Radome Diameter: 4.2 m; 168 in
- Radome Baseframe: Galvanized steel;
- Antenna Stabilization: 3-axis servo
- Built-In GPS: Automatic Satellite Acquisition
- Ship's Motion: +/- 15° Roll or +/-20° Roll and +/- 10° Pitch. Roll & Pitch Response Rate: Unlimited
- Azimuth Range: Unlimited turning
- Full Elevation Range: -15° to +115°
- Reception: Single Ku/C-band capability. Dual C-linear, Ku-linear, C-band switched with Dual or Quad Ku-band linear, or simultaneous Dual C and Quad Ku-band.
- RF Electronics: the proper choice of LNB's will be provided to match the ship's cruising area and satellite receiver selection.
- Ku-band: The entire frequency range for Ku-band satellite television is 10.7 to 12.75 GHz. LNBs covering this entire frequency band are available. However, this does not guarantee coverage in all areas. Proper polarization is also an issue as both linear polarizations (horizontal and vertical) and circular polarizations (left and right) are used, and one configuration is not compatible with the other.
- C-band: The C-band frequency range is 3.7 to 4.2 GHz worldwide. Sea Tel TV-at-Sea™ systems are delivered with C-band LNB noise temperatures of 17 degrees K or better.
- Meets Navy MIL-STD-901D GRADE A shock standards and MIL-STD-461 EMI & RFI standards (including 200V/M).
- Accommodates any number of satellite receivers.
- Unmatched stabilization accuracy allows the system to detect and correct the slightest motion affecting the antenna's connection.
- Euro version HD ready.

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