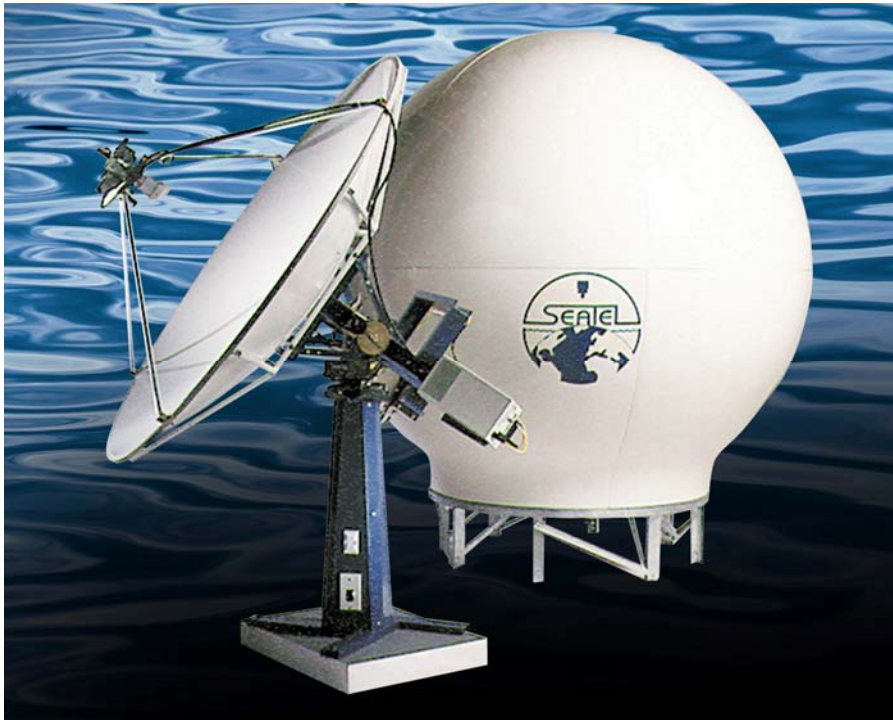


# Sea Tel® 97 Series 9497



When the going gets rough, Sea Tel® keeps going

## HDTV-at-Sea



**Sea Tel's Model 9497** operates in many areas around the globe and is compatible with all known and planned TV satellites. It is an extremely sensitive system especially with the enhanced pointing accuracy, stability and reliability made possible by Sea Tel's patented, 3-axis stabilization technology. Choose this antenna when you want the best TV coverage you can get but space prohibits installation of our Model 14400 antenna.

All this plus a sophisticated automated controller that lets you bring the TV shows you want on board fast – and easy – from anywhere on the ship.

- Antenna Gain C-band: 39.5 dB at 4.2 GHz
- Antenna Gain Ku-band: 47.5 dB at 12.5 GHz
- Min. EIRP C-band: 30 - 31 dBW
- Min. EIRP Ku-band: 35 - 36 dBW
- Dish Diameter: 2.4 m; 94 in
- Radome Diameter: 3.65m/144"D x 3.6 m/142" H
- Antenna Stabilization: 3-axis servo
- Built-In GPS: Automatic Satellite Acquisition
- Ship's Motion: +/- 25° Roll or +/-20° Roll and +/- 15° Pitch
- Roll & Pitch Response Rate: Unlimited
- Azimuth Range: Unlimited turning
- Full Elevation Range: -12° to +120°
- Reception: Single C, Single Ku/C-band capability. Dual C-linear, Dual Ku-linear or circular, Dual C-band switched with Dual or Quad Ku-band linear, Dual C and Quad Ku-band capabilities
- Ku-band: The entire frequency range for Ku-band satellite television is 10.7 to 12.75 GHz. LNBs covering this frequency band are available but don't guarantee coverage in all areas. Proper polarization is an issue as both linear (horiz. and vert.) and circular polarizations (left and right) are used. 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. The IF frequency in all cases is 950-1450 MHz.
- 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. Many TV sets may be installed onboard, each receiving its own programming from its satellite receiver
- Unmatched stabilization accuracy allows the system to detect and correct the slightest motion affecting the antenna's connection
- HD ready