

There is no better antenna system made for TV-at-Sea.

Look to Sea Tel's new generation of stabilized antenna systems whenever you must have the clearest, sharpest entertainment, news, weather and sports for your crew or passengers – whatever size or type your vessel ... wherever you sail.

Which antenna is best for your ship? Sea Tel lets you choose from three basic models in eight configurations.

A basic system for coastal operation, the Model 8897.
This system is available for both C-band and Ku-band.
The C-band version lets you receive TV from C-band satellites including the Asiasat, Palapa, and Panamsat series of satellites in the Far East and Panamsat in the Middle East and Africa. The Ku-band version is optimized for service in European and Asian waters, and anywhere Ku-band is available.



When only the best will do, the Model 14400. Our top-of-the-line TV-at-Sea system 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 this year, it is more than ever the antenna system of choice.

A comprehensive range of configurations. All of these systems are available in C-band and Ku-band configurations. The Models 8897, 9497, and 14400 are also available in a "dual band" configuration that permits the same antenna to be used for both C-band and Ku-band reception.





Hundreds of channels of news, sports, movies, entertainment, and CD quality digital music at your fingertips

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.

All of Sea Tel's new-generation systems come with a tracking antenna controller designed for efficiency and speed. Sea Tel's proprietary PCDAC RAM Software package allows the controller to be operated from any Windows® compatible PC.

Sea Tel has made selecting the right satellite very easy. Simply "point and click" on the satellite name and the controller, with the help of the built-in GPS, immediately takes over to point the antenna right at the satellite and start tracking.

If the satellite isn't acquired immediately, the controller automatically runs a programmed sweep of the sky until the signal is found and acquired.

When it comes to actually watching the TV, it's even easier. TV users select their favorite shows – just like at home. Because it's a Sea Tel, whatever TV programming they've chosen stays locked-in no matter what the weather is doing outside.





A total new level of reliability means our systems are better able to cope with the hazards of life at sea than any other on the market...

Our systems are designed and built to pass the U.S. Navy's tests for vibration, shock and protection against RFI and EMI emissions. Life at sea can be rough. Every model of our TV-at-Sea Series 97 systems meets Navy MIL-STD-901D GRADE A shock standards and MIL-STD-461 EMI & RFI standards (including 200V/M). And, when it comes to the ever-present vibration issue, they actually exceed Navy MIL-STD-167-1 standards!

Fewer parts means less to go wrong. Our Series 97 antenna systems are more accurate, faster and reliable that anything else on the market today for a very simple reason: they incorporate the latest in modern solid state electronics.

360° of uninterrupted coverage. Series 97 TV-at-Sea systems let you say "goodbye" to cable-unwrap interruption. You get unlimited azimuth turning for undisturbed TV from horizon to horizon.

Faster response. Our new generation systems are fast on their feet...to make sure that TV picture stays on the screen no matter what! The antenna's response to ship motion can be as fast as 90°/sec.

Sea Tel's Series 97 three-axis satellite tracking system gives you...

More reliable TV reception even in storm conditions. Bad weather? Extreme ship motion? Stabilization and tracking accuracy is better than 0.2° even when the ship is pitching 15° or rolling 25°. It is a difference that lets you enjoy uninterrupted TV reception whatever the elements are throwing at you.

Reception that compares with shore-based installations. With signal loss due to antenna movement reduced to nearly zero, the performance of a Series 97 TV-at-Sea stabilized antenna is comparable to that of a fixed antenna on shore! As a result, satellite TV reception is surprisingly reliable even in the fringe areas of the signal.



36.8 dB @4.0 GHz 44.9 dB @11.25 GHz	37.5 dB @4.0 GHz 46.5 dB @11.25 GHz	39.5 dB @4.0 GHz 48.2 dB @11.25 GHz	41.5 dB @4.0 GHz 50.3 dB @11.25 GHz
32.6-33.5 dBW 36.5-37.5 dBW	30-31 dBW 35-36 dBW	29-30 dBW 35-36 dBW	28 dBW 32-33 dBW
3-axis servo for all systems			
Up to +/-25 degrees roll or +/-20 degrees roll and +/-15 degrees pitch			
Unlimited azimuth turning for all systems.			
0 to 90 degrees for all systems			
No practical limits for all axes.			
Galvanized steel. Optional aluminum.	Galvanized steel. Optional aluminum.	Galvanized steel. Optional aluminum.	Galvanized steel. Optional aluminum.
2.8 m/ 110 inch	3.2 m/ 126 inch	3.7 m/ 144 inch	4.2 m/ 168 inch
2.05 meter/ 82 inch	2.4 meter/ 96 inch	3.0 meter/ 120 inch	3.7 meter/ 144 inch
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, or simultaneous Dual C and Dual or Quad Ku-band capabilities.			
The proper choice of LI receiver selection.	NB's will be provided to	match the ship's cruisin	ng area and satellite
covering this entire free in all areas. Proper pola vertical) and circular po	quency band are availal arization is also an issue plarizations (left-hand a	ole. However, this does as both linear polariza	not guarantee coverag tions (horizontal and
delivered with C-band	LNB noise temperatures		
	36.8 dB @4.0 GHz 44.9 dB @11.25 GHz 32.6-33.5 dBW 36.5-37.5 dBW 3-axis servo for all systems Up to +/-25 degrees rol Unlimited azimuth turn 0 to 90 degrees for all: No practical limits for a Galvanized steel. Optional aluminum. 2.8 m/ 110 inch 2.05 meter/ 82 inch Single C, single Ku/C-barswitched with Dual or Capabilities. The proper choice of LI receiver selection. The entire frequency racovering this entire frein all areas. Proper polavertical) and circular pois not compatible with The C-band frequency delivered with C-band	36.8 dB @4.0 GHz 44.9 dB @11.25 GHz 46.5 dB @4.0 GHz 44.9 dB @11.25 GHz 46.5 dB @11.25 GHz 32.6-33.5 dBW 30-31 dBW 35-36 dBW 3-axis servo for all systems Up to +/-25 degrees roll or +/-20 degrees roll a Unlimited azimuth turning for all systems. 0 to 90 degrees for all systems No practical limits for all axes. Galvanized steel. Optional aluminum. Optional aluminum. 2.8 m/ 110 inch 3.2 m/ 126 inch 2.05 meter/ 82 inch 2.4 meter/ 96 inch Single C, single Ku/C-band capability. Dual C-line switched with Dual or Quad Ku-band linear, or scapabilities. The proper choice of LNB's will be provided to receiver selection. The entire frequency range for Ku-band satellicovering this entire frequency band are availal in all areas. Proper polarization is also an issue vertical) and circular polarizations (left-hand are is not compatible with the other.	36.8 dB @4.0 GHz 44.9 dB @11.25 GHz 46.5 dB @4.0 GHz 48.2 dB @11.25 GHz 48.2 dB @11.25 GHz 48.2 dB @11.25 GHz 32.6-33.5 dBW 30-31 dBW 35-36 dBW 35

- Conical Scan tracking.
- System voltage is 115 or 230VAC, 50/60 Hz, single phase
- CE marked
- Installation & Operation manuals
- $^{\rm I}$ 8897 with Dual C, Dual Ku must be installed on 3.2 m radome $^{\rm Z}$ 12097 available in Dual C; or Single C, Single Ku only $^{\rm 3}$ Antenna gains taken outside of radome

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