

Sea Tel ST 14

Marine stabilized antenna system ready for multiple satellite TV selection

2011 Data Sheet

The most important thing we build is trust

ST 14 TV-at-Sea Antenna

The Sea Tel ST 14 antenna is compact, with a 14" diameter dish inside an attractive white radome that is just 18" tall and weighs only 25 lbs. The ST14 has a different design than our previous antenna systems. The new pedestal assembly is made of a highly reliable and durable nylon polyamide injection molding that is used on a very large number of products including aircraft antennas.

This makes the ST 14 extremely lightweight and sets it apart from anything in its class. Now even smaller yachts can enjoy HD-TV at Sea.

Sea Tel's ST 14 has many of the same features as the Coastal 18 including a wide coverage range and built-in GPS for fast satellite

acquisition. Other features include DVB (digital video broadcasting) signal identification, Sea Tel's proprietary antenna control and fasttrack signal lock software, plus high-performance stabilization and satellite tracking even in inclement weather.

The ST 14 is available in 4 models:

ST14D – Dish Network and Bell TV; automatic switching between receivers using optional remote control; HD-Ready.

ST14M – DIRECTV Standard Definition service

ST14E – European providers, HD-Ready

ST14DLA – DIRECTV Latin America, HD-Ready



Recent comparison tests with a competitors antenna suggests that the ST14 antenna has 1dB more signal gain and 0.3 dB less signal attenuation than the competitors radome. This is a grand total of 1.3 dB more signal to the satellite receivers and means that in a heavy rain storm or out on the edge of the footprint, the ST14 will still have a video signal when the competitors antenna has lost its video signal.

Specifications

- Min. EIRP: 50 dBW
- Dish Diameter: 36.8cm/ 14.5"
- Radome: 41.9cm/16.5 D x 45.7cm/ 18" H (22% smaller than the Coastal 18)
- Antenna Weight: 15 lbs/ 6.8kg
- Power Requirements: 10-16 Vdc
- Operating Temperature Range: -20°C to 55°C
- Ship's Motion +/- 25° Roll and +/- 15° Pitch
- Roll and Pitch Response Rate >25°/sec
- Azimuth Range - Unlimited
- Full Elevation Range 15° to 65°
- Circular or Linear Polarization
- Higher antenna efficiency, offering a greater range of reception further offshore and stronger signal strength than the competition
- Small, attractive white radome
- High-performance stabilization and satellite tracking even in inclement weather
- Built-In GPS for fast satellite acquisitions
- DVB (Digital Video Broadcasting) signal identification.
- Sea Tel's proprietary antenna control and fast-track signal lock software
- North American and European programming & digital music channels
- Pedestal assembly is made of a highly reliable and durable nylon polyamide injection molding
- Easy-to-install dome with 2-year warranty on parts; 1-year labor
- **ST14D and ST14M only** support multiple receivers. (Active multi-switch required)
- **ST14D, ST14E and ST14DLA only** are HD Ready with Dish Network, Bell TV, European Providers and DIRECTV Latin America.

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