

# SEA TEL 80 TV

3-Axis marine stabilized antenna system ready for worldwide Ku-Band HD reception

2014 Product Sheet

The most important thing we build is trust

# COBHAM

**The Sea Tel 80 TV antenna system features advanced technology that enables the user to receive Ku-Band High Definition satellite services worldwide without ever having to change the LNB. With our simple to use MMI, changing satellite services is as simple as a few button clicks away.**

**With advanced stabilization, the Sea Tel 80 TV is made for extreme conditions. Whether at dockside, anchor or rocking and rolling on the 7 Seas, the Sea Tel 80 TV is the right antenna for watching your favorite satellite TV programming.**

## Key Features & Benefits

- Programmable LNB that receives worldwide Ku-Band services. No more changing LNB's when travelling to different regions of the world.
- Advanced stabilization for viewing satellite TV even in rough sea conditions.
- Integrated DVB-S2 tuner for reception and identification of DVB-S2 and DVB-S satellite broadcasts.
- Frequency tuned radome minimizes signal loss.
- Easy installation and use. Uses same bolt pattern as the Sea Tel Series 04 systems.
- Extensive capabilities for online and offline troubleshooting.
- Intuitive and secured user interface with extensive data logging capabilities.
- Worldwide service along with 2 years parts and 2 years labor warranty (Flex warranties available).
- Built to last in extreme conditions
- Global satellite library.



# SEA TEL 80 TV

3-Axis marine stabilized antenna system ready for worldwide Ku-Band HD reception



## Typical Data for Sea Tel 80 TV

### SPECIFICATIONS

Min. EIRP Ku-Band	42.5 dBW (Estimated)
Dish Diameter	83 cm (32.68 in) (Estimated)
Radome Diameter	108 cm (42.52 in) (Estimated)
Radome Height	123.5 cm (48.62 in) (Estimated)
ADE Weight	86.18 kg (190 lbs.) (Estimated)
Operating Temperature Range	-20 C to 55 C
Storage Temperature Range	-40 C to 70 C
Pedestal Type	3 Axis (Azimuth, Elevation, Cross Level)
Ships Motion	Roll +/- 25°; Pitch +/- 15°
Turning Rate	15° deg /sec @ 5° deg /sec <sup>2</sup>
Azimuth Range	680°
Elevation Range	-15° to 115°
Polarization	Linear/Circular Selectable
Stabilization Accuracy	0.2° Peak error under specified ship's motion
Skew Control	Automatic
LNB Type	Ku-Band Worldwide Programmable
Frequency Range	Ku-Band (10.7 - 12.75 GHz)
Warranty	2 years parts / 2 years labor

## Typical Data for Lite Media Exchange Point (LMXP)

- Standard 19 inch 1U rack mount
- 43.18 cm x 25.4 cm x 4.44 cm (17" x 10" x 1.75")
- 110/220VAC, 47-63 Hz, Single Phase
- 2.45 kg (5.4 lbs)
- 2 Ethernet Ports
- 1 F-type connector
- 8 Tri-colored MXP status LED's
- USB Device (Mini B)
- 1 RS-232 pass through port
- 1 NMEA RS-232 serial port
- 1 RS-232 Console Port
- Aux IN1 & Aux IN2
- SW1, SW2 (I/O)
- 1 Gigabit SFP Ethernet



**Marine Electronics & Satellite Communications**

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

**Mackay Marine – High Seas**

+1 281 479 1515 [marinesales@mackaymarine.com](mailto:marinesales@mackaymarine.com)

**Mackay Communications, Satellite Solutions**

+1 919 850 3100 [satserv@mackaycomm.com](mailto:satserv@mackaycomm.com)

**Mackay Marine Canada**

+1 902 469 8480 [sales.canada@mackaymarine.com](mailto:sales.canada@mackaymarine.com)

**Mackay Marine Alaska & Pacific Northwest**

+1 206 282 8080 [ballard@mackaymarine.com](mailto:ballard@mackaymarine.com)

For further information please contact:

[satcom.ohc@cobham.com](mailto:satcom.ohc@cobham.com)