

SEA TEL 100 TVHD

3-Axis marine stabilized antenna system ready for DIRECTV® HD and worldwide HD reception

2014 Product Sheet

The most important thing we build is trust

COBHAM

The Sea Tel 100 TVHD antenna system features a new three port feed and LNB that are capable of simultaneously receiving all three of the main satellites that DIRECTV® broadcasts their High Definition and Standard Definition programming on.

The Sea Tel 100 TVHD is also capable of receiving worldwide Ku-Band High Definition and Standard Definition programming without having to make adjustments to the hardware.

Key Features & Benefits

- Receives (2) Ka-Band and (1) Ku-Band DIRECTV® satellites simultaneously. Enjoy DIRECTV® HD programming at the dock, on anchor, or underway.
- Programmable LNB that receives worldwide Ku-Band services. No more changing LNB's when travelling to different regions of the world.
- 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 - utilizes the 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 with 2 years parts and 2 years labor warranty (flex warranties are available)
- Built to last in extreme conditions.
- Global satellite library.



Sea Tel 100 TVHD

3-Axis marine stabilized antenna system compatible with DIRECTV® HD and worldwide HD reception



Typical Data for Sea Tel 100 TVHD

SPECIFICATIONS

Min. EIRP Ku-Band	42 dBW
Min. EIRP Ka-Band	45 dBW
Dish Diameter	106.68 cm (42 in)
Radome Diameter	136.46 cm (53.72 in)
Radome Height	152.2 cm (59.9 in)
ADE Weight	104.33 kg (230 lbs.)
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°; Yaw +/- 8°
Turning Rate	15° deg /sec @ 5° deg /sec ²
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	Dual Band Ku/Ka Worldwide Programmable
Frequency Range	Ku-Band (10.7 - 12.75 GHz) Ka-Band (18.3 - 18.8 GHz) (19.7 - 20.2 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



Subject to change without further notice.

For further information please contact:

satcom.ohc@cobham.com