

# SEA TEL 120 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 120 TVHD antenna system features a new triple 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 120 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.
- 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.



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## Typical Data for the Sea Tel 120 TVHD

### SPECIFICATIONS

Min. EIRP Ku-Band	41 dBW
Min. EIRP Ka-Band	44 dBW
Dish Diameter	129.54 cm; 51 in
Radome Diameter	166.88 cm; 65.7 in
Radome Height	178.31 cm; 70.2 in
ADE Weight	117.93 kg; 260 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°
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	Dual Band Ku/Ka 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



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