

SEA TEL 9711 IMA SYSTEMS WITH C/KU SWITCHABLE FEEDS

3-axis marine stabilized antenna system compatible with C, Ku and X-band satellites

2014 Product Sheet

The most important thing we build is trust

COBHAM

The Sea Tel 9711 IMA (Integrated Maritime Antenna) System combines a C-band circular/linear Switchable Feed as well as a Ku-band cross/copol switchable feed with sub-reflector. The combination allows switching from C-band operation to Ku-band operation electronically and eliminates the need to manually change the feed. The Ku-band sub-reflector has been designed to optimize the RF performance of the 2.4 meter antenna. This patented state-of-the-art design is second to none when it comes to RF performance.

Tx/Rx All-In-One Antenna

The Sea Tel 9711 IMA features a 2.4 meter radical offset antenna for both the C-band and Ku-band operation. This offset design provides the most efficient 2.4 meter antenna in the market today. Software has been specially designed to switch from C to Ku-band operation in a matter of seconds

Easy Automation

By eliminating the need to manually change feeds when switching between bands, the Sea Tel 9711 IMA is incredibly cost effective. A technician is no longer required to be dispatched for making configuration changes, eliminating offline time for a vessel while switching between networks.

Seamless Operation

The Sea Tel 9711 IMA system is fully compatible with OpenAmip and ABS technology. By combining multiple option files in a single modem, the user can make near seamless transitions from C band circular A Pol to B Pol, C-band linear, and Ku-band satellites.

State-of-the-art Platform

The Sea Tel 9711 IMA Systems utilize the IMA architecture currently used on our XX12 series products. It features an Integrated Control Unit (ICU) that offers a single box electronic control solution to maintain the best and most efficient pointing accuracy. With its extended web based secured user interface, built-in remote management capabilities, it offers easy integration into network management systems through its Media Xchange Point (MXP)

Secure Solution

The web user interface, accessible from practically any internet enabled device, including mobile devices, features Secured Socket Layer (SSL) password protection and multi-level data analysis capability for ease of use and added security. The Sea Tel 9711 IMA systems with C/Ku switchable feeds are the cutting edge, top-of-the-line solutions for your top performance maritime communication needs.



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Typical Data for the Sea Tel 9711 IMA

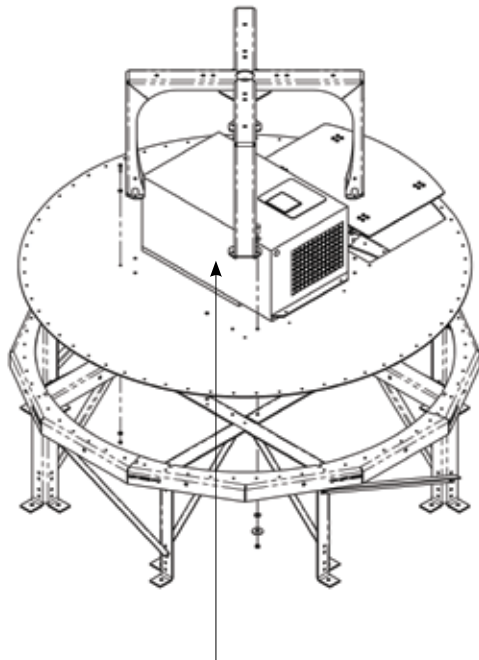
SYSTEM CHARACTERISTICS

Radome	366 cm (144 in) typical; 427 cm (168 in) optional	
Pedestal Type	3-axis: azimuth, elevation, and cross level	
Specifications	MIL STD 167-1	
Response Rate	>100° /sec	
Stabilization Accuracy	0.1°	
Ship's Motion	+/- 25° roll, +/- 25° pitch	

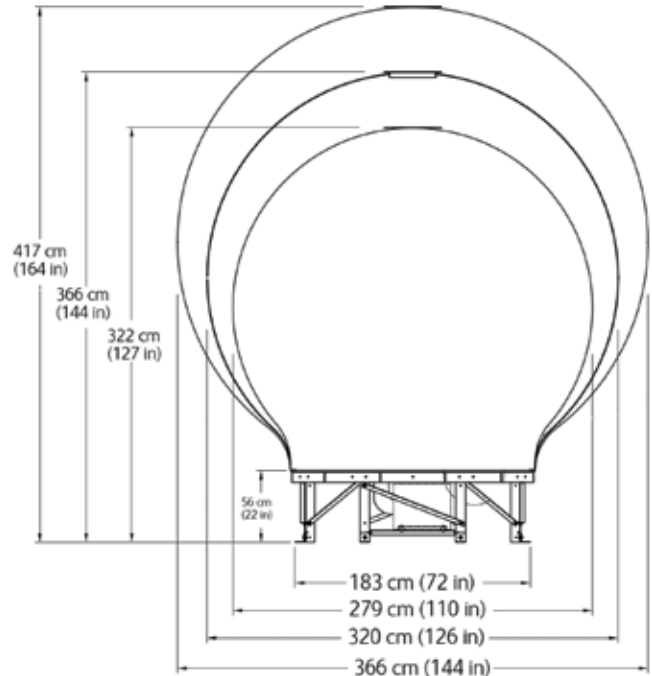
	C-BAND	KU-BAND
Antenna	2.4 m (94 in) offset	2.4 m (94 in) utilizing a sub-reflector
Feed Assembly	C-Band circular/linear selectable	Ku-Band linear polarized (XP, Copol)
Frequency Range	Rx: 3.4 to 4.2 GHz	Rx: 10.7 to 12.75 GHz
	Tx: 5.850 to 6.725 GHz	Tx: 13.75-14.5 GHz
Tx Gain	41.7 dBi @ 6.18 GHz	49.3 dBi @ 14.25 GHz
Rx Gain	38.5 dBi @ 3.95 GHz	47.3 dBi @ 11.7 GHz
System G/T	19.0 dB/K @ 3.95 GHz	27.0 dB/k @ 11.7 GHz
Elevation Range	-15° to +100°	
Azimuth Range	Unlimited	

Typical Data for Media Xchange Point (MXP)

- Standard 19 inch 1U Rack Mount. (Slide Rails Optional)
- 43 x 43 x 4.35 cm / 17 x 17 x 1.75 in
- 110/220VAC, 47-63 Hz, Single Phase
- 3.0 kgs / 6.6 lbs
- 4 Ethernet Ports
- 1 SMA connector (Rx from RJ)
- 1 F connector (RJ to diplexer)
- 8 status LED's
- USB device (Mini B)
- 2 RS-232 pass through ports
- 1 NMEA RS-232 serial port
- 1 RS-232 console port
- SBS & Synchro gyro inputs
- Aux 1N1 & Aux 1N2
- SW1,SW2,SW3,SW3A,SW4,SW4A (I/O)



Air conditioner (optional)



Radome dimensions applicable are 366 cm (144 in) and 427 cm (168 in)

For further information please contact:

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