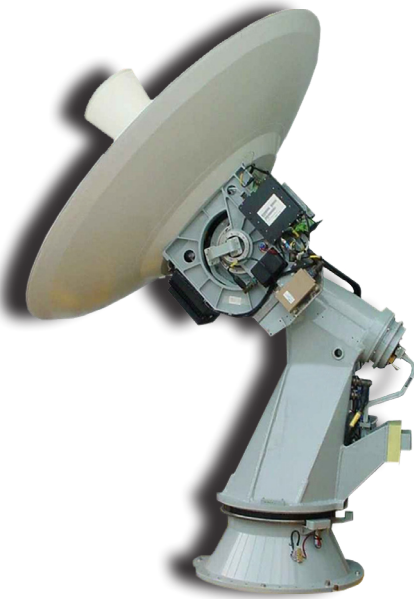


Multiband X/Ka Shipboard Antenna



Your Established Partner

TCS brings proven, technology problem-solving expertise to its professional service offerings for the public sector. From continuity of operations and information assurance, to cyber security and integrated logistics support, TCS solves the toughest technical challenges, under conditions that demand the highest level of reliability, availability, and security. As an ISO 9000-certified provider with many consultants holding active security clearances, TCS has an established track record over the past decade as a trusted partner providing mission continuity for the Department of Defense, Special Operations and intelligence communities, the Department of Homeland Security and the Department of State.

TeleCommunication Systems, Inc.
275 West Street
Annapolis, MD 21401 USA
Toll Free: 1.888.728.8797
Outside US: +1.410.263.7616
www.telecomsys.com

For information contact:
3311 E. Renner Road, Suite 100
Richardson, TX 75082
1.469.330.5020
multiband@telecomsys.com

Enabling Convergent Technologies® and SwiftLink® are registered trademarks of TCS. All other trademarks are the property of their respective companies. Information subject to change without notice. | NasdaqGM: TSYS | 130502

Specifications

| Parameter | Performance | |
|---|---|---|
| Frequency Range | Receive: X-band: 7.25-7.75 GHz Ka-band: 20.2-21.2 GHz | Transmit: 7.90 – 8.40 GHz 30.0-31.0 GHz |
| Polarization X & Ka-band (4-port each band) | Receive: LHCP | Transmit: RHCP |
| Isolation | X-band TX/RX > 110 & Ka-band TX/Rx > 90 | |
| Power Handling | X-band: 1000 Watts & Ka-band: 200 Watts | |
| Sidelobe Levels | MIL-STD-188-164A | |
| G/T | X-band: 18.5 dB/K & Ka-band: 24.5 dB/K | |

WGS Ready—TODAY

- Proven MILSATCOM performance, in use by the Royal Australian Navy
- For use in Dual-band and Dual-Polarization applications
- Simultaneous X/Ka-band
- Axial Ratio < 1.0 dB
- High power capacity
- High efficiency shaped dual reflector
- Measured Low PIM Performance for multi-carrier application

