



# AL-7207



## 2.0m (80") Quad Ku-Band & Dual C-Band Marine Stabilized TVRO System

### Global Satellite TV Reception

- Robust, high performance 2.0m (80") linear & circular Ku-Band & C-Band antenna system
- Worldwide coverage and continuous broadband satellite television reception
- Cost-effective modular design features multiple receiver interfaces enabling superior entertainment for global commercial, private and military customers.

### Worldwide, Uninterrupted Coverage

Ideal for cross-oceanic or equatorial-based vessels which have to withstand the communication challenges caused by heavy rain.

### Ideal Solution for Larger Vessels

- Designed for both military & commercial applications
- Deployed aboard cargo & cruise ships, tankers, oil & gas rigs, navies and a variety of other marine vessels, worldwide.

### FEATURING

- Ku-Band & C-Band integrated feed assembly
- LNB - Quad Ku-Band & Dual C-band - Single and seamless connection between ADE and BDE for all 6 cables - no manual intervention
- Pol/X/Y configuration, continuous azimuth rotation
- User-friendly interface, high-resolution LCD controller
- Built-In GPS
- Proven reliability (MTBF)
- Enhanced performance
- Field proven
- Does not require a system balancing
- Robust design
- Fast installation
- Global satellite coverage database
- **Optional:** Remote access for monitoring and control

*Orbit is a world leading supplier of innovative satellite communications solutions as well as tracking, audio and communications management systems. The company's products are deployed on board airborne, marine and ground platforms with both military and commercial customers and are installed on thousands of projects with companies and organizations worldwide.*

*Orbit, a public company, has an international marketing and sales network that includes the United States, Europe, and the Far East in addition to its international technical service centers located around the world.*

ORBIT AL-7207 Ku-Band and C-band Technical Specifications

<b>Antenna Type</b>	Prime Focus
<b>Antenna Size</b>	2.0m / 80"
<b>Radome Size</b>	2.9m / 114"
<b>Dynamic Accuracy</b>	0.1° RMS
<b>Dynamics: Roll Pitch Yaw Turning Rate</b>	30° @ 8 Sec 15° @ 8 Sec 80° @ 50 Sec 10°/Sec
<b>Ship Gyro Interface</b>	NMEA 0183, Step by Step, Synchro
<b>System Weight (including Radome)</b>	565Kg / 1245lb
<b>Operation Frequency</b>	3.7 - 4.2Ghz 10.7 - 12.75Ghz

<b>Antenna Polarity</b>	Linear (V/H), Circular (L/R)
<b>Antenna Gain (Typical)</b>	37dB @ 4.2Ghz 46dB @ 12.75Ghz
<b>System EIRP</b>	32dBW @ 4.2Ghz 38dBW @ 12.75Ghz
<b>Power Requirements</b>	110/220 VAC, 50/60Hz 1100W (ADE), 200W (BDE)
<b>Environmental Conditions (Designed to Meet)</b>	Shock: MIL-STD 810E Method 516.5 Pro.I Vibration: MIL-STD-167-1 (Mast Mounted Equipment) Temperature: - Operation: -25°C +55°C with Radome, as per IEC 60945:2002 Dry Heat, Low Temp - Storage: -25°C to +70°C Wind: Up to 100 knots Humidity: IEC 60945:2002-Damp Heat Humidity 93% (+/-3%) @ 40°C

Typical Block Diagram

