



AL-7208



2.4m (96") Quad Ku-Band & Dual C-Band Marine Stabilized TVRO System

Global Satellite TV & Data services, from Shore to Mid Ocean

- Worldwide coverage for uninterrupted high quality satellite reception, even under extreme weather conditions
- Featuring a 2.4m (96") linear & circular Ku & C-Band antenna
- Designed for cross-oceanic or equatorial-based vessels susceptible to heavy rains.

Proven Reliability and Cost-efficiency

- Efficient, proven, robust and reliable marine stabilized satellite TV antenna systems available today
- Cost-effective, compatible with multiple receiver interfaces
- Compatible with a variety of marine vessels
- Support for a wide range of satellites and polarizations.

A Satellite System for Any Vessel

Designed for both military & commercial applications, AL-7208 is deployed aboard cargo & cruise ships, tankers, fishing boats, oil & gas rigs, patrol & combat vessels, and various other marine vessels around the world.

FEATURING

- Ku & C-band integrated feed assembly
- LNB - Quad Ku-Band & Dual C-Band – seamless connection between ADE and BDE for all 6 cables - no manual switching required
- Pol/X/Y configuration, continuous azimuth rotation
- User-friendly interface, high-resolution LCD controller
- Global satellite coverage database
- Built-In GPS
- Does not require a system balancing
- Robust design
- Enhanced performance
- Fast installation
- High reliability (MTBF)
- **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-7208 Ku-band and C-band Technical Specifications

Antenna Type	Prime Focus
Antenna Size	2.4m / 96"
Radome Size	3.35m / 132"
Dynamic Accuracy	0.1° RMS
Dynamics: Roll Pitch Yaw Turning Rate	30° @ 8 Sec 15° @ 8 Sec 80° @ 50 Sec 10°/Sec
Ship Gyro Interface	NMEA 0183, Step by Step, Synchro
System Weight (including Radome)	610Kg / 1345lb
Operation Frequency	10.7 - 12.75Ghz 3.7 - 4.2Ghz

Antenna Polarity	Linear (V/H), Circular (L/R)
Antenna Gain (Typical)	38dB @ 4.2Ghz 47dB @ 12.75Ghz
System EIRP	30dBW @ 4.2Ghz 36dBW @ 12.75Ghz
Power Requirements	110/220 VAC, 50/60Hz 1100W (ADE), 200W (BDE)
Environmental Conditions (Designed to Meet)	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

