



AL-7205



1.5m (59") Quad Ku-Band or Dual C-Band Marine Stabilized TVRO System

Ku-Band or C-Band Satellite TV Antenna System

- Designed to maintain constant communication with global TV broadcasts via both Ku-Band and C-Band satellites
- The ultimate in robust TV antenna services for deployment on cargo & cruise ships, tankers, fishing boats, oil & gas rigs, patrol & combat vessels, yachts and other marine vessels
- Supports a variety of polarizations, providing uninterrupted satellite TV and data reception worldwide
- Cost-effective modular design enabling multiple modem interfaces
- Withstands the toughest environmental military standards.

FEATURING

- Enhanced performance
- Robust design
- Fast installation
- X/Y configuration, continuous azimuth rotation
- User-friendly interface, high-resolution LCD controller
- High reliability (MTBF)
- LNB: Quad universal or Dual DBS/GLA
- Built-In GPS
- Does not require a system balancing
- Global satellite coverage database
- **Optional:** C-band circular feed & LNB assembly
- **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-7205 Ku-Band or C-band Technical Specifications

Antenna Type	Prime Focus
Antenna Size	1.5m / 59"
Radome Size	1.95m / 77"
Dynamic Accuracy	0.25° 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)	180Kg / 396lb
Operation Frequency	10.7-12.75 GHz or 3.7-4.2 GHz

Antenna Polarity	Linear (V/H), Circular (L/R)
Antenna Gain (Typical)	43dB @ 12.75GHz 34dB @ 4.2GHz
System EIRP	32dBW @ 4.2GHz 40dBW @ 12.75GHz
Power Requirements	110/220 VAC, 50/60 Hz 660W (ADE), 150W (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

