



AL-7204



1.3m (51") Quad Ku-Band Marine Stabilized TVRO System

High Performance, Low Maintenance Satellite TV System

- High quality satellite reception for television and other on-board entertainment and communication applications
- High performance and functionality with low maintenance demands
- Modular design, linear or circular Ku-band, featuring multiple modem interfaces
- Provides exceptional antenna to radome ratio: 1.3m (51") antenna housed in a 1.52m (60") radome.

Any Satellite, Multiple Zones

- Allows for reception from a wide range of satellites and geographical zones
- Ideal for mid-sized vessels such as cargo & leisure ships, tankers, fishing boats, patrol & navy vessels and more
- Designed to meet the toughest military standards.

FEATURING

- Cost-effective
- X/Y configuration, continuous azimuth rotation
- High dynamic accuracy
- User-friendly interface, high resolution LCD controller
- LNB: Quad universal or Dual DBS/GLA
- Built-In GPS
- Global satellite coverage database
- Proven reliability (MTBF)
- Does not require a system balancing
- Innovative technology
- **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-7204 Technical Specifications

Antenna Type	Prime Focus
Antenna Size	1.3m / 51"
Radome Size	1.52m / 60"
Dynamic Accuracy	0.1° RMS
Dynamics: Roll Pitch Yaw Turning Rate	30° @ 8 Sec 15° @ 6 Sec 80° @ 50 Sec 12°/Sec
Ship Gyro Interface	NMEA 0183, Step by Step, Synchro
System Weight (including Radome)	140Kg / 310lb
Operation Frequency	10.7-12.75 GHz

Antenna Polarity	Linear (V/H) or Circular (L/R)
Antenna Gain (Typical)	42dB @ 12.75GHz
System EIRP	41.5dBW
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

