



## AL-7204 1.3m (51") Quad Ku-Band Marine Stabilized TVRO System

### A High Performance, Low Maintenance Satellite TV Solution



Highly popular with small commercial and naval vessels, in particular; military, government and coastguards, Orbit Marine's AL-7204 System provides the ultimate in robust antenna solutions.

With high performance functionality and low maintenance demands, the cost-effective 1.3m (51") linear or circular Ku-band

AL-7204 antenna system has proven itself globally as a superior solution for high quality satellite reception for both television and other on-board communication applications. The AL-7204 is the only available system to provide the best antenna to radome ratio; 1.3m (51") antenna housed in a 1.52m (60") radome for extra gain at min. real estate.

### Any Satellite, Multiple Zones

A flexible system supporting reception from a wide range of satellites, the AL-7204 covers numerous geographical zones, offering the perfect stabilized TV antenna solution for deployment on cargo & cruise ships, tankers, fishing boats, oil & gas rigs, buoys, patrol & combat vessels, yachts and other marine vessels.

With cost-effective modular design covering multiple receiver compatibility and designed to meet the toughest military standards, Orbit's AL-7204 provides the ideal communication and entertainment system solution for commercial, private and military customer bases.

With over 50 years of global experience and internationally deployed teams of highly trained engineering support personnel, Orbit Marine's innovative approach is at the forefront of today's Marine Stabilized Satellite Systems.

### Benefits

- No System Balancing Required
- Robust Design
- Globally Proven
- Enhanced Performance
- User Friendly Operation
- 1.3m (51") Antenna Housed in 1.52m (60") Radome
- High Reliability (High MTBF)
- Fast Installation

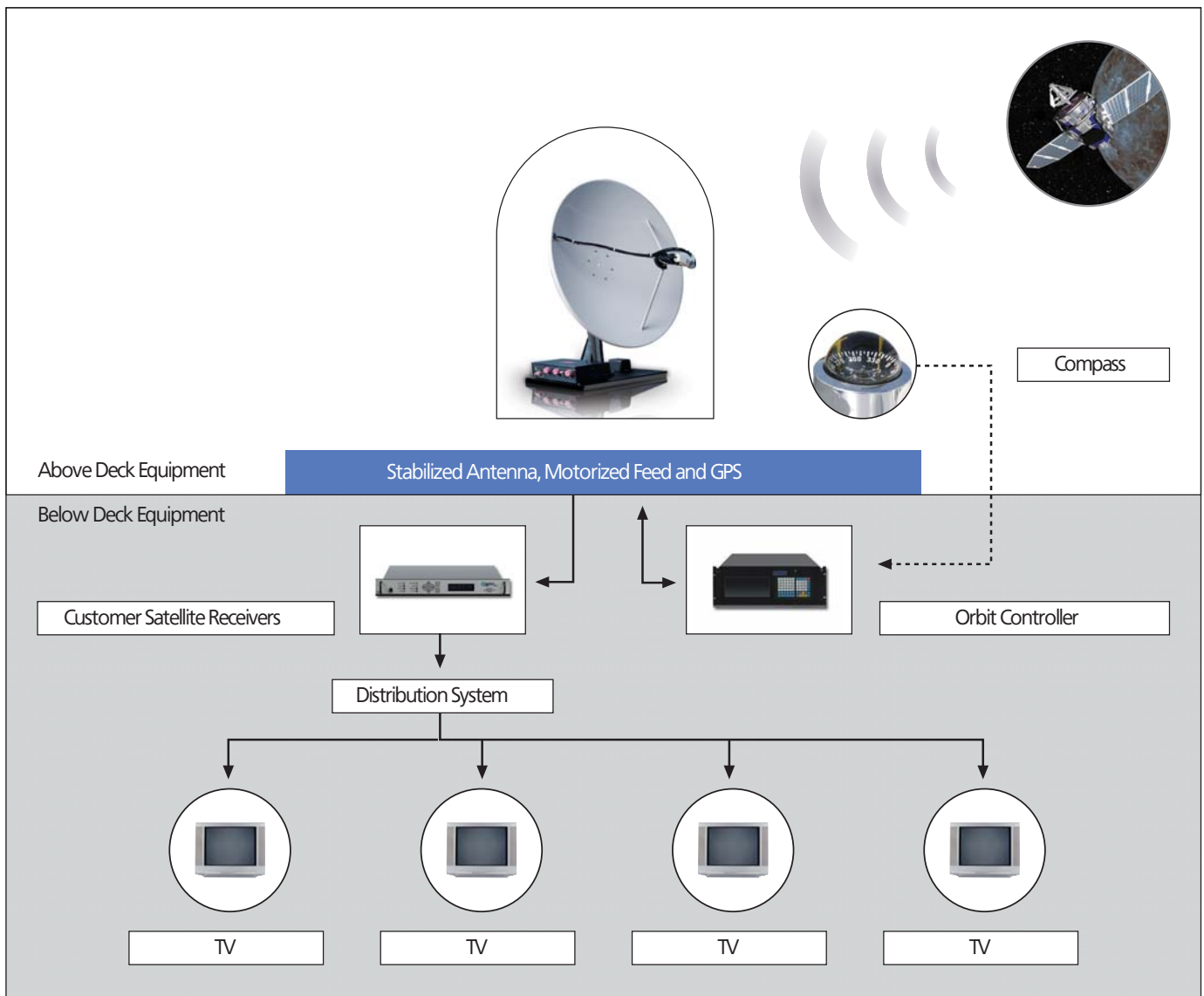
### Key Features

- X/Y Configuration, Continuous Azimuth Rotation
- User-friendly MMI, High-Resolution LCD Controller
- Designed to Meet MIL-STD-461, 167-1 & 901
- Satellite Global Coverage Database
- Optional: Remote Control & Monitoring via "Back Door"
- Supports NMEA-0183, Step by Step & Synchro Compass Interfaces
- LNB: Quad Universal or Dual DBS/GLA
- Built-In GPS



## System Specifications

Antenna Type	Prime Focus	Power Requirements	110/220 VAC, 50/60 Hz 660W (ADE), 150W (BDE)
Dish Diameter	1.3m / 51"	Weight (ADE including Radome)	140Kg / 310Lb
Radome Size	1.52m / 60"	Dynamic Accuracy	0.25° RMS
Operation Frequency	10.7-12.75 GHz	Ship Motion:	
Antenna Polarity	Linear (V/H) or Circular (L/R)	Roll	30° @ 8 Sec
Antenna Gain (Typical)	42dB @ 12.75GHz	Pitch	15° @ 6 Sec
EIRP Level (Min)	41.5dBW	Yaw	80° @ 50 Sec
		Turning Rate	12°/Sec



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