



AL-7205

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

Unique Ku or C-band Satellite TV Solution



Highly popular with medium commercial and naval vessels, in particular, military, government and coastguards, Orbit Marine's AL-7205 System provides the ultimate in robust antenna solutions for deployment on cargo & cruise ships, tankers, fishing boats, oil & gas rigs, buoys, patrol & combat vessels, yachts and other marine vessels.

Designed to maintain constant communication with global TV broadcasts via both Ku-Band or C-Band satellites, the AL-7205 also supports a variety of polarizations, providing uninterrupted satellite TV and data reception worldwide, to multiple end users.

Multiple Zones

A flexible system, the AL-7205 also covers numerous geographical zones, offering the ultimate in stabilized TV antenna solutions. With cost-effective modular design enabling multiple receiver compatibility for even the toughest military standards, Orbit's AL-7205 is ideal 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's solutions bring first class satellite TV and data reception to a wide range of marine vessels, worldwide.

Benefits

- No System Balancing Required
- Robust Design
- Globally Proven
- Enhanced Performance
- User-Friendly Operation
- High Reliability (High MTBF)
- Fast Installation

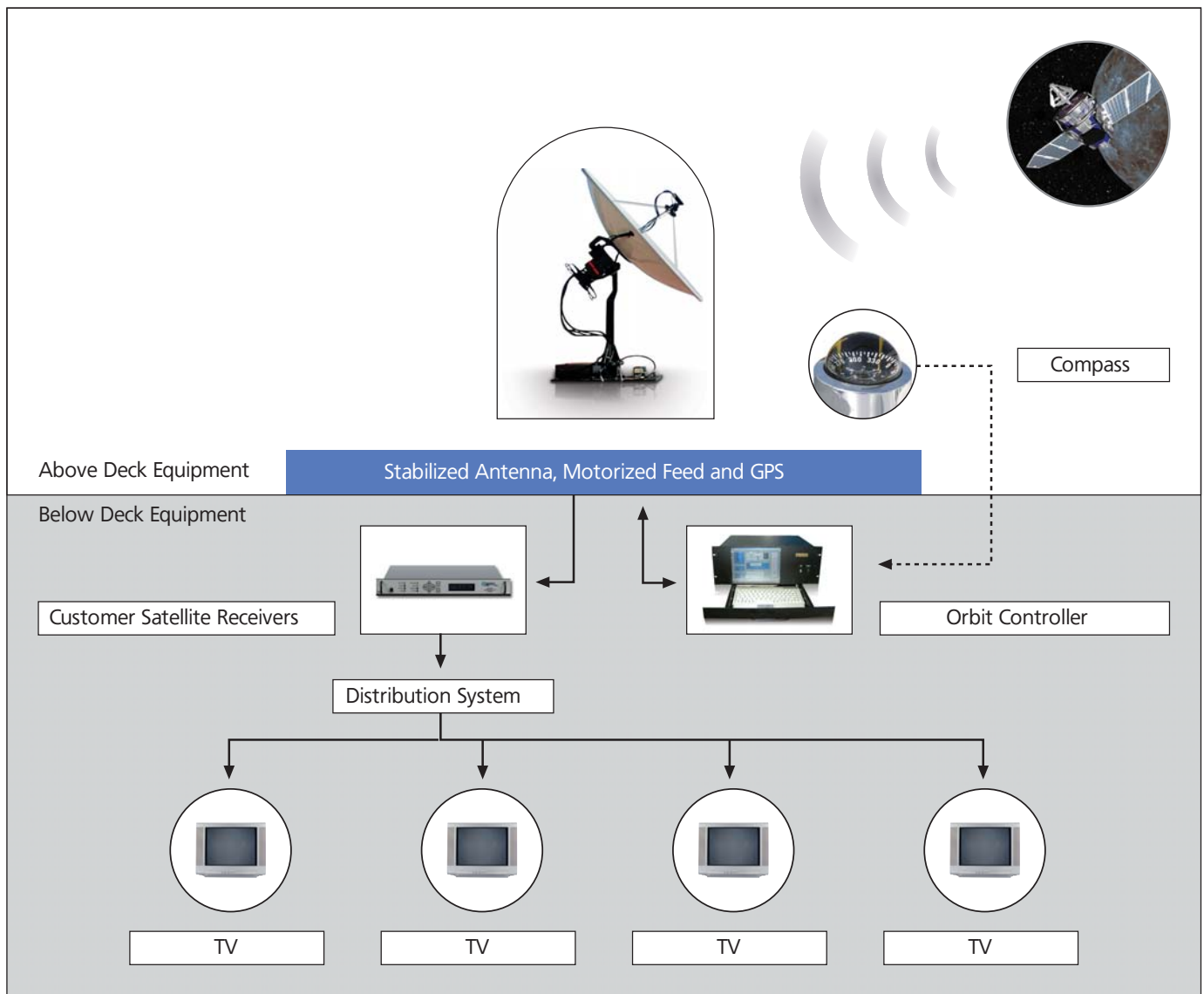
Key Features

- 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
- Supports NMEA-0183, Step by Step & Synchro Compass Interfaces
- LNB: Quad Universal or Dual DBS/GLA
- Built-In GPS
- Optional: C-band Circular Feed & LNB Assembly
- Optional: Remote Control & Monitoring via "Back Door"



System Specifications

Antenna Type	Prime Focus	EIRP Level (Min)	Ku-Band: 40dBW C-Band: 32dBW
Dish Diameter	1.5m /59"	Power Requirements	110/220 VAC, 50/60 Hz 660W (ADE), 150W (BDE)
Radome Size	1.95m / 77"	Weight (ADE including Radome)	180Kg / 396Lb
Operation Frequency	10.7-12.75 GHz or 3.7-4.2 GHz	Dynamic Accuracy	0.25° RMS
Antenna Polarity	Linear (V/H), Circular (L/R)	Ship Motion:	
Antenna Gain (Typical)	43dB @ 12.75GHz 34dB @ 4.2GHz	Roll	30° @ 8 Sec
		Pitch	15° @ 6 Sec
		Yaw	80° @ 50 Sec
		Turning Rate	12°/Sec



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