



## AL-7205

### Unique 1.5m Quad Ku-Band/C-Band Marine Stabilized TVRO System

#### Superior, Cost-Effective Continental TV Reception



With very low side lobe Ku or C-Band reception, Orbit Marine's unique state of-the-art AL-7205 System enables unmatched quality satellite TV and data reception for military and civilian platforms. The AL-7205 system has been designed to maintain constant communication connection to receive global TV broadcasts using Ku-Band or

C-Band satellites. With cost-effective deployed on cargo & cruise ships, tankers, fishing boats, oil & gas rigs, buoys, patrol & combat vessels, yachts or other marine vessels, the flexible AL-7205 supports different satellites and polarizations. Providing uninterrupted satellite TV and data reception from all over the world to multiple end users, the AL-7205 system is the most highly cost-effective solution of its kind.

Backed by over 50 years of global experience and internationally deployed teams of highly skilled engineers, Orbit Marine provides the best in communication & entertainment antenna systems.

#### Benefits

- Highly Cost-Effective
- No Need for System Balancing
- Enhanced Performance
- Robust Design
- Globally Proven
- User Friendly Operation
- Innovative Technology
- High Reliability (High MTBF)
- Fast Installation

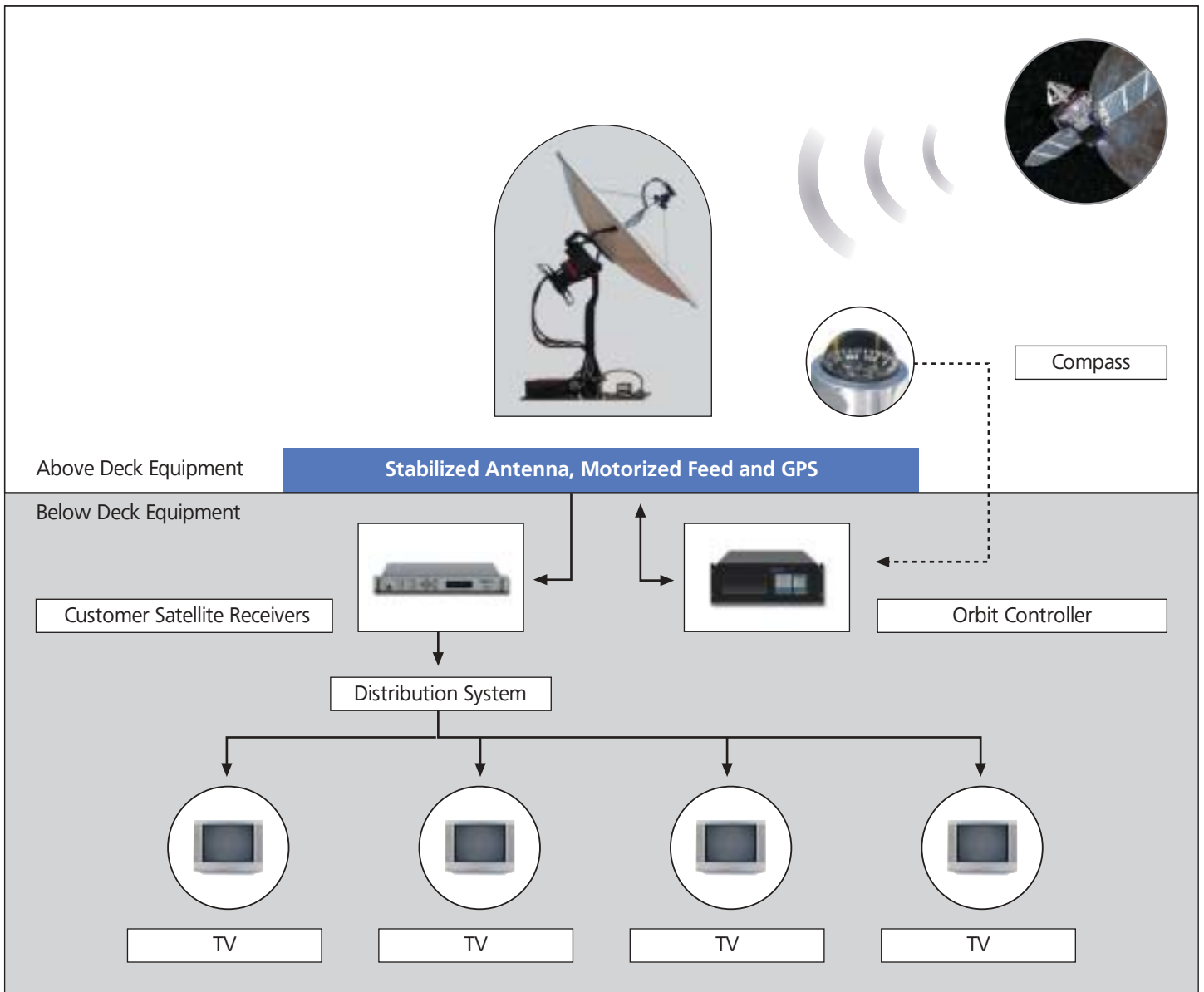
#### Key Features

- Analog & Digital Communication
- Designed to Meet MIL-STD-461, 167-1 & 901
- High-Resolution LCD Controller
- Satellite Global Coverage Database
- Optional Remote Operation via Telephone Link
- Supports NMEA-0183, Step by Step & Synchro Compass Interfaces
- Built-In LNB
- Built-In GPS Antenna



## System Specifications

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



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