



## AL-7203

### 0.82m Quad Ku-Band Marine Stabilized TVRO System

#### The Perfect Antenna Solution For Limited Space Situations



Providing the best in high performance, low maintenance satellite reception from all over the world, Orbit Marine's AL-7203 System delivers 1m functionality in a compact 0.82m package. Specifically designed for superior quality uninterrupted communication and entertainment reception of TV and data in limited space situations - aboard small

and medium sized vessels, or larger ships where space comes at a premium, the highly efficient, lightweight AL-7203 linear and circular Ku-band antenna can be deployed to support any number of end users.

With cost-effective modular design covering multiple receiver compatibility, Orbit Marine's innovative, flexible AL-7203 stabilized TV antenna system supports a full spectrum of satellites and polarizations, providing the most cost-effective communication solution for all commercial, private and military customers.

Backed by over 50 years of global experience and internationally deployed teams of highly trained engineering support staff, the company's solutions are installed aboard a wide variety of naval, police and coastguard craft, private yachts, cargo & cruise ships, tankers, fishing boats, oil & gas rigs, buoys and other maritime vessels.

#### Benefits

- Highly Cost-Effective
- Enhanced Performance
- No Need For System Balancing
- User Friendly Operation
- Innovative Technology
- High Reliability (High MTBF)
- Fast Installation

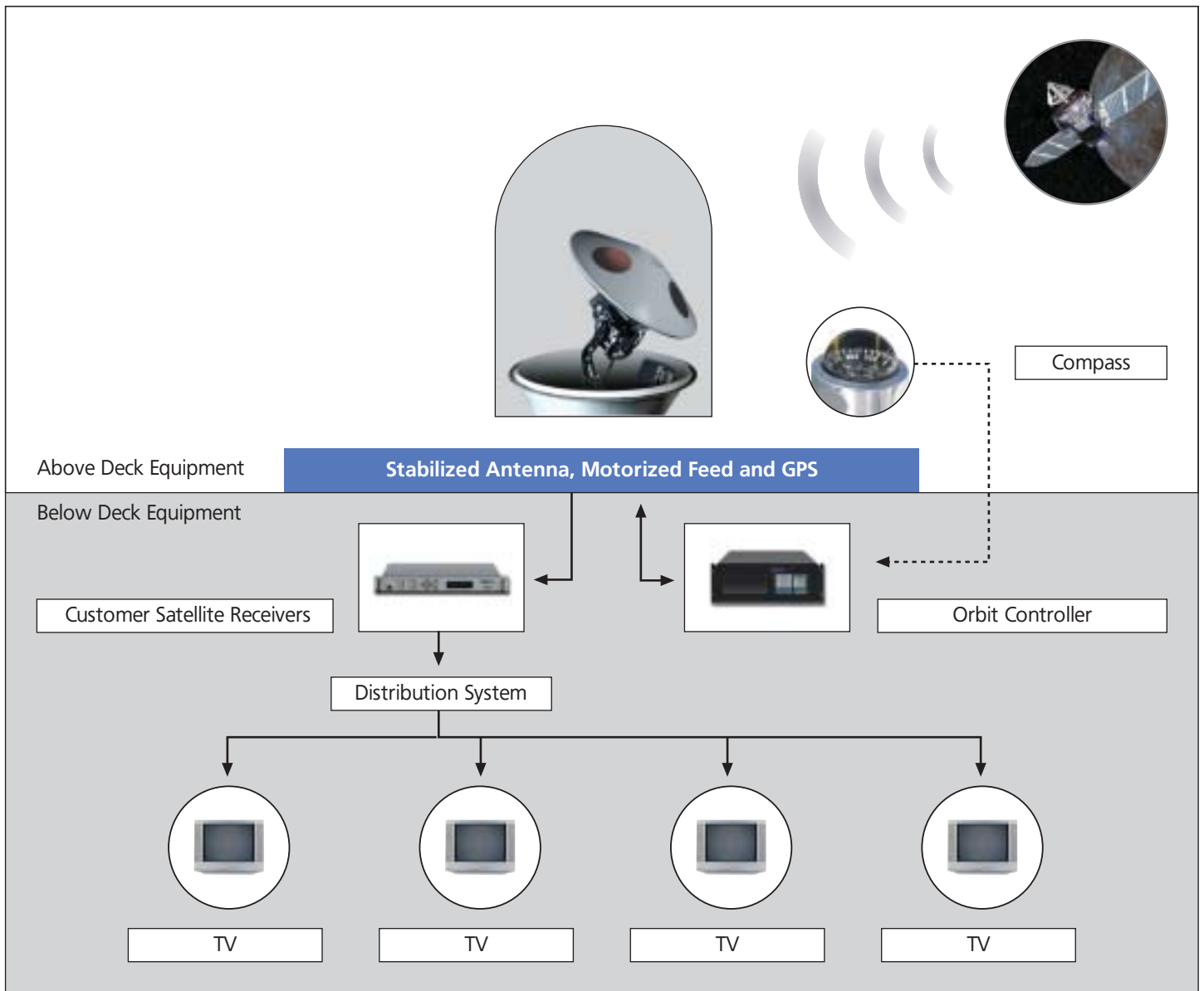
#### Key Features

- Analog & Digital Communication
- High Dynamic Accuracy
- High Resolution LCD Controller
- Designed to meet MIL-STD-461, 167-1 & 901
- Satellite Global Coverage Database
- Optional: Remote Operation via Telephone Link
- Supports NMEA-0183, Step by Step & Synchro Compass Interfaces
- Low Weight 48Kg / 106Lb
- Built-In LNB
- Built-In GPS Antenna



## System Specifications

<b>Antenna Type</b>	Cassegrain	<b>Power Requirements</b>	110/220 VAC, 50/60 Hz 120W (ADE), 150W (BDE)
<b>Dish Diameter</b>	82cm / 32"	<b>Weight (Including Radome)</b>	48Kg / 106Lb
<b>Radome Size</b>	1.05m / 41"	<b>Dynamic Accuracy</b>	0.5° RMS
<b>Operation Frequency</b>	10.7-12.75 GHz	<b>Ship Motion:</b>	
<b>Antenna Polarity</b>	Linear (V/H) or Circular (L/R)	<b>Roll</b>	30° @ 8 Sec
<b>Antenna Gain Typical</b>	38dBi @ 11.7 GHz	<b>Pitch</b>	15° @ 6 Sec
<b>EIRP level (Min.)</b>	45dBw	<b>Yaw</b>	80° @ 50 Sec
		<b>Turning Rate</b>	12°/Sec



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