Intellian® i6/i6P With breakthrough and unmatched performance, the Intellian i6 offers firmer reception and wider coverage than any other 24” dish satellite antenna systems. The i6/i6P is ideally designed for boats over 70 feet with its excellent commercial-grade reliability and efficiency.

- Strong Signal Gain for Wider Coverage Area
- Unmatched Performance with Competitive Value
- A Auto Skew Angle Control System for Linear Polarization - i6P only
- Seamless Viewing (Automatic Satellite Switch) of All DISH Network and Bell TV Channels.

Available with DISH MIM (Multi-satellite Interface Multi-switch)
**Key Features**

**Fully Automated System**
Automatic satellite search and identification
2-axis step motors to stabilize the pedestal

**Enhanced Antenna**
Highly efficient 24 inch parabolic antenna enables 47dBW of minimum EIRP.
RHCP / LHCP, Vertical / Horizontal polarization

**Easy Installation**
Single cable from the Antenna to the Antenna Control Unit

**Wide Range Search (WRS) Algorithm**
Competitor methods search for the narrow-bandwidth of the main lobe. However Intellian's exclusive WRS searches for a wide range of side lobes and jumps up to the main lobe, providing faster satellite acquisition.

**Dynamic Beam Tilting (DBT) Technology**
A high-speed sub-reflector rotates off axis, checking signal strength at 50 times per second and compensating the tracking direction. Less movement of the main-reflector means less noise and extends the product life.

**Fully Automated Digital Video Broadcasting (DVB) Identification**
DVB Decoder with CPLD enables high speed identification.

**New Type Antenna Control Unit**
Easy to change and update satellite information
Easy antenna status check and automatic diagnosis
Easy antenna control using PC interface

**Automatic Polarization (Skew-angle) Control (i6P only)**
Automatic Skew Angle Control System (-90°~ +90°) for Linear Horizontal / Vertical Polarization.

**Built-in GPS and NMEA 0183 Interface Port**
The i6/i6PE includes a built-in GPS inside of the Antenna Unit for faster signal acquisition. The ship's GPS can also be connected through the NMEA 0183 port on the rear panel of the ACU.

**System Diagram**

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**Intellian® i6/i6P**

Unmatched Performance
Marine Satellite TV Antenna System

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**Technical Specifications**

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<td>B3-603S</td>
<td>Intellian i6 Satellite TV Antenna System (US)</td>
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<td>B3-8110</td>
<td>Intellian i6 Satellite TV Antenna System (Europe)</td>
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</table>

**Physical**

- **Radome Height**: 28.3 in (72 cm)
- **Radome Diameter**: 27.6 in (70 cm)
- **Antenna Dish Diameter**: 23.6 in (60 cm)
- **Weight**: 44 lbs (20 kg) for i6 / 49 lbs (22 kg) for i6P

**Environmental**

- **Operating Temp. Range**: 5°F ~ 131°F (-15°C ~ 55°C)
- **Storage Temp. Range**: -13°F ~ 158°F (-25°C ~ 70°C)
- **Water Ingress**: IPX6
- **Warranty**: 3 Years Parts and 1 Year Labor

**Performance**

- **Reception Frequency**: Ku-band (10.7 ~ 12.75 GHz)
- **Polarization**: RHCP / LHCP, Vertical / Horizontal
- **Minimum EIRP**: 47 dBW
- **Azimuth Range**: 360°
- **Elevation Range**: +5° to +90°
- **Ship’s Motion**: Roll ±25°, Pitch ±15°
- **Roll & Pitch Response Rate**: 45° / Second
- **Turn Rate**: 45° / Second
- **RF Output**: Dual / Quad Output

**Antenna Control Unit**

- **Dimensions (WxDxH)**: 7.0 in x 8.5 in x 2.1 in (17.8 cm x 21.7 cm x 5.4 cm)
- **Weight**: 2.6 lbs (1.2 kg)
- **Display**: 2 Line 20 Character VFD Module
- **Control Key**: 5 Integrated Push Buttons
- **Power Input**: 9 ~ 30 VDC (Typ. 30W, Max. 50W)
- **GPS Interface**: NMEA0183

**Antenna Dimensions**

- **i6 / i6P**: 28.3 in (72 cm) in diameter
- **i6 / i6P ACU**: 9.0 in (22.8 cm) in diameter
- **Other Models**
  - **N6**: 27.6 in (70 cm) in diameter
  - **N6P**: 23.6 in (60 cm) in diameter

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**Part No. 2013G0G1-DS0110-V1_1**