

Intellian® i6/i6P

**Unmatched Performance Marine
Satellite TV Antenna System**



Intellian® i6 With the breakthrough and unmatched performance, Intellian i6 offers a firmer reception and wider coverage than any other 24" dish satellite antenna systems. The i6 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*
- *User-friendly & Easy to Install*
- *Seamless Viewing (Automatic Satellite Switch) of All DirecTV's Ku-band Channels. Available with MIM (Multi-satellite Interface Module) – US Only*

For more information, visit www.intelliantech.com



Unmatched Performance

24 inch dish diameter with national coverage for North & South Americas, Europe and the regional service around the global.

Faster Signal Acquisition

Intellian's exclusive Wide Range Search (WRS) algorithm allows antenna to search, find and lock on to a signal with incredible speed and accuracy.

A Firm Hold on the Signal

Dynamic Beam Tilting (DBT) uses a high performance, constantly adjusting sub-reflector which allows the antenna to remain relatively still, eliminating the constant whine of stepper motors while providing clear reception while the boat is in motion.

Simple & Easy Installation

With just a single cable to connect the antenna and the ACU, Intellian i6 systems are quick and easy to install. Our advanced ACU is designed to require a minimum of set-up so you can begin to enjoy TV programs aboard your boat in no time.

Tune in Your Favorite HDTV Channels

Intellian i6 will provide reception of HD channels on the Ku-band. The HD module is actually built-in to the Antenna Control Unit of the Intellian i6 for seamless integration and easy installation.

Built-in GPS

Built-in high performance GPS system, provided as default option, allows i6 to have higher accuracy and easy operation wherever the vessel sails.

User-friendly Operation

Antenna Control Unit (ACU), which is supplied as a default package, gives you the user-friendly operation for various function

SPECIFICATIONS

Intellian® i6/i6P

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Key Features

Fully Automated System

Automatic satellite search and identification
2-axis step motor for manipulating the pedestal

Enhanced Antenna

High efficiency parabolic antenna
RHCP/ LHCP, Vertical/ Horizontal polarization

Easy Installation

One Cable from the Antenna to the Antenna Control Unit

Fastest Search Algorithm

Wide Range Search(WRS) algorithm
Statistical search algorithm

Superior Dynamic Tracking

Dynamic Beam Tilting (DBT) by rotating sub-reflector

DVB Signal Identification

High speed identification applying DVB Decoder with CPLD
QPSK Demodulator Lock for DSS Signal

New type Antenna Control Unit

Easy satellite information change and update
Easy antenna status check and automatic diagnosis
Easy antenna control using PC interface with USB cable

Built-in Auto Skew Angle Control System (i6P only)

The embedded high performance Auto Skew Angle Control System allows for the system to always maintain the optimal signal strength

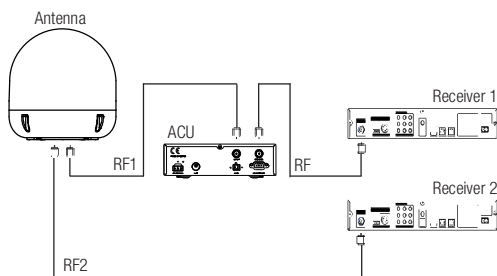
Built-in GPS System

Embedded GPS, which allows for the system to upload
GPS data automatically into the system

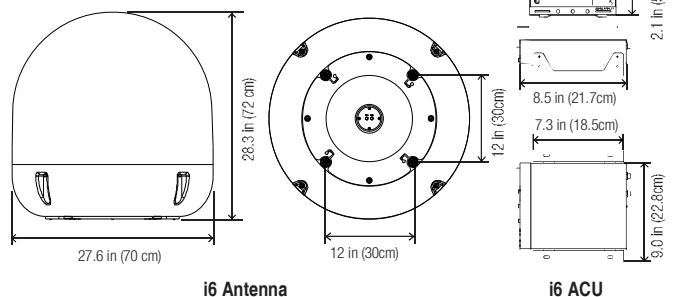
Technical Specifications

| Part # | Specifications |
|----------------------------|--|
| B2-603S | Intellian i6 Satellite TV Antenna System (US) |
| B2-611Q | Intellian i6P Satellite TV Antenna System (Europe) |
| Physical | |
| Radome Height | 28.3" in (72cm) |
| Radome Diameter | 27.6" in (70cm) |
| Antenna Dish Diameter | 23.6" in (60cm) |
| Weight | 44 lbs (20kg) for i6/ 49 lbs (22kg) 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 |
| Approvals | CE / FCC |
| Warranty | 2-Year Parts and 1-Year Labor |
| Performance | |
| Reception Frequency | Ku-band (10.7~ 12.75GHz) |
| Polarization | RHCP/ LHCP, Vertical/ Horizontal |
| Minimum EIRP | 47 dBW |
| Azimuth Range | 680° |
| 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 (17.8cm x 21.7cm x 5.4cm) |
| Weight | 2.6 lbs (1.2kg) |
| Display | 2 Line 20 Character VFD Module |
| Control Key | 5 Integrated Push Buttons |
| Power Input | DC 10.8 ~ 15.6V (Typ. 30W, Max. 50W) |
| GPS Interface | Built-in (NMEA0183 GPS) |

System Diagram



Antenna Dimensions



**Intellian
Technologies®**
Communicate Smarter
ISO 9001 Certified

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