

# 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](http://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

# Intellian® i6/i6P

## Unmatched Performance Marine Satellite TV Antenna System

### 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

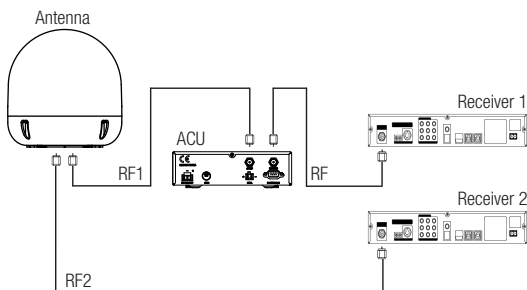
#### Built-in GPS System

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

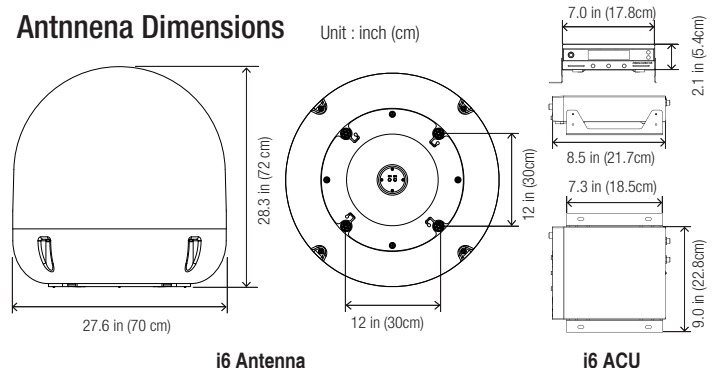
### Technical Specifications

Part #	Specifications
B2-603S	Intellian i6 Satellite TV Antenna System (US)
B2-611Q	Intellian i6P Satellite TV Antenna System (Europe)
<b>Physical</b>	
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
<b>Environmental</b>	
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
<b>Performance</b>	
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
<b>Antenna Control Unit</b>	
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

**US Headquarters**  
Americas Region

Intellian Technologies USA, Inc.  
Parker Irvine Business Center  
19 Hammond Suite 509  
Irvine, CA 92618 USA  
Tel +1-949-916-4411  
Toll Free +1-888-201-9223  
Fax +1-949-271-4183  
Email info@intelliantech.com

**Headquarters**  
EMEA & APAC Region

Intellian Technologies, Inc.  
7th Floor, Dongik Building  
Nonhyundong, Kangnam-gu  
Seoul 135-010, South Korea  
Tel +82-2-515-4923  
Fax +82-2-515-4903  
Email info@intelliantech.com

For more info, visit [intelliantech.com](http://intelliantech.com)