

*High Performance Marine Satellite Antenna Systems*

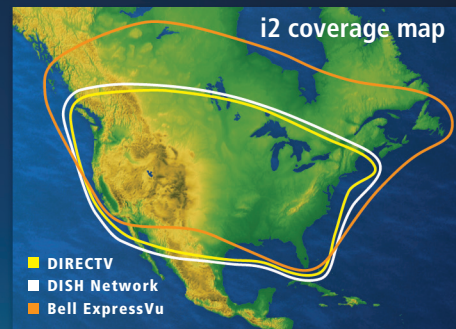
# Intellian<sup>®</sup> i2

**Simplicity of Design  
equals  
Reliability.**



## Featuring

- Travel further north or south with extended elevation range 10° to 80°
- Stay locked on in rough seas, 60° per second turning rate
- Compatible with leading satellite TV service providers
- Smaller size with bigger performance
- Simplicity of design, no fragile compass and no rate sensors
- Auto satellite switching function for three satellites
- Switch channels as fast as you do at home
- Built-in HD module for Ku-band



**Intellian  
Technologies™**  
Communicate Smarter

Experience the innovation.



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# SPECIFICATIONS

# Intellian® i2

*Simplicity of Design equals Reliability.*

**Intellian® i2** delivers nationwide satellite reception, Ku-Band HD TV capabilities, an exclusive built-in Multi-satellite Interface Module (MIM) and stable performance.

## Fully Automated System

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

## Enhanced Antenna

High efficiency parabolic antenna RHCP/LHCP for US & Canada  
Vertical/Horizontal polarization for Sky Mexico and Europe

## Compact Size

13 inch antenna dish diameter and an antenna weighs less than 10 pounds

## 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 MIM (Multi-satellite Interface Module) tracks 3 satellites seamlessly  
Built-in HD module for Ku-band HD reception

## Maximum 6 Receivers connections

Up to six receivers can be connected to ACU directly which simplifies the installation  
Every receiver connected to ACU can be a master receiver which can change the satellite freely by TV remote control

## Master Receiver Selection

Only the master receivers which are activated through ACU can change the target satellite

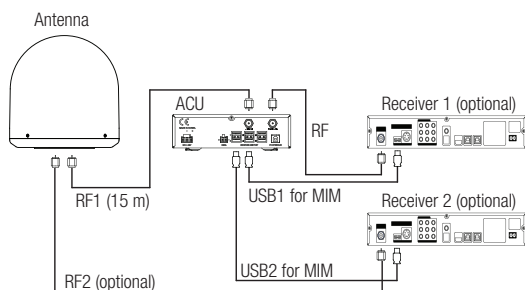
## Built-in NMEA 0183 GPS Interface

Easy Interface allowing a boat owner to have a separate GPS system can provide even higher performance

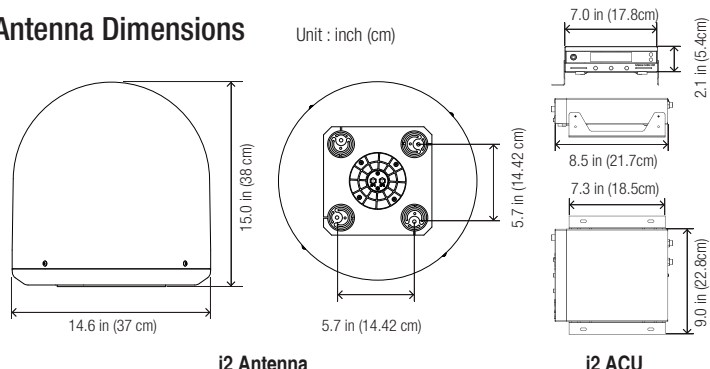
## Technical Specifications

Part #	Specifications
B2-206S	Intellian i2 Satellite TV Antenna System (US)
B2-206U	Intellian i2 Satellite TV Antenna System (Europe)
Physical	
Radome Height	15.0 in ( 38cm )
Radome Diameter	14.6 in ( 37cm )
Antenna Dish Diameter	13.0 in ( 33cm )
Weight	9.5 lbs ( 4.5kg )
Environmental	
Operating Temp. Range	-5°F ~ 130°F ( -15°C ~ 55°C )
Storage Temp. Range	-13°F ~ 158°F ( -25°C ~ 70°C )
Water Ingress	IPX6
Approvals	CE / FCC
warranty	2 Years Parts and 1 Year Labor
Performance	
Reception Frequency	Ku-band (10.7 ~ 12.75GHz)
Polarization	RHCP/ LHCP, Vertical/ Horizontal
Minimum EIRP	51 dBW
Azimuth Range	680°
Elevation Range	10° to 80°
Ship's Motion	Roll +/-25°, Pitch +/-15°
Roll & Pitch Response Rate	60° / Second
Turn Rate	60° / Second
RF Output	Dual 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 9.0 ~ 30.0V ( Typ. 30W, Max. 50W )
Receiver Interface	6 USB Ports ( USB A Type )

## System Diagram



## Antenna Dimensions



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