

Intellian® i1

**World's Smallest Marine
Satellite TV Antenna System
for Specified Region Coverage**



Intellian® i1 The world's smallest, in-motion marine satellite TV antenna, Intellian i1 is a perfect solution for small boats that traditionally could not enjoy satellite TV because of limited space to install a marine satellite TV antenna system. Now with its compact and stylish design, small boat owners can enjoy the same luxury as the larger boat owners.

- *World's Smallest & Lightest*
- *California to Catalina Islands, Florida to Bahama Islands & Etc.*
- *User-friendly & Easy to Install*

For more information, visit www.intelliantech.com

World's Smallest Size

11 inch dish diameter and less than 10 pounds antenna weight.

Fast Signal Acquisition

Intellian's patent-pending 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

Intellian's exclusive Dynamic Beam Tilting (DBT) uses a high performance, constantly adjusting sub-reflector which allows the antenna to remain the strongest signal at all time while the vessel is cruising at high speed.

Simple & Easy Installation

With just a single cable to connect the antenna and the ACU, Intellian i1 system is 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.

User-friendly Operation

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

Performance & Value

All these benefits are yours to enjoy without having to worry about a hefty price tag. Our goal is to provide an affordable, high value system so you can enjoy big-ticket broadcast entertainment and not have to worry about the price of admission.

* Please check to see if the system is suitable for your use within your coverage area with an Authorized Intellian Distributor.



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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

Compact Size

11 inch antenna dish diameter
Very light antenna weight 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

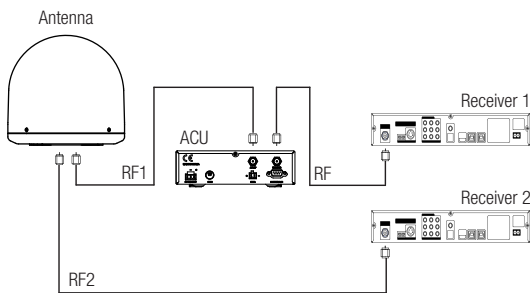
Built-in NMEA 0183 GPS Interface

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

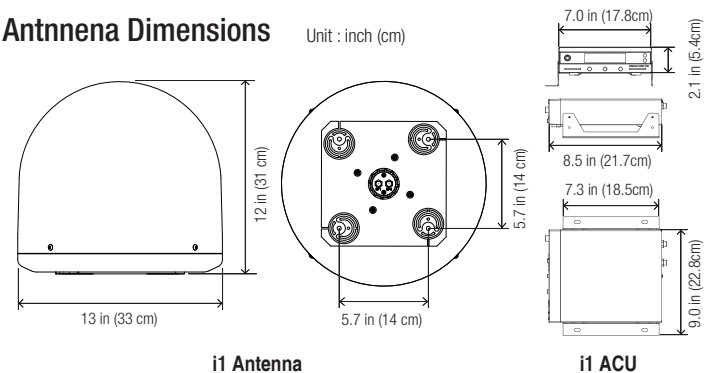
Technical Specifications

Part #	Specifications
B2-103S	Intellian i1 Satellite TV Antenna System
Physical	
Radome Height	12 in (31cm)
Radome Diameter	13 in (33cm)
Antenna Dish Diameter	11 in (28cm)
Weight	9.4 lbs (4.3 kg)
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-Year Parts and 1-Year Labor
Performance	
Reception Frequency	Ku-band (10.7~ 12.75GHz)
Polarization	RHCP/ LHCP, Vertical/ Horizontal
Minimum EIRP	52~53 dBW
Azimuth Range	680°
Elevation Range	+20° 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 10.8 ~ 15.6V (Typ. 30W, Max. 50W)
GPS Interface	Built-in (NMEA0183 GPS)

System Diagram



Antenna Dimensions



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Communicate Smarter
ISO 9001 Certified

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