

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's i1 is a perfect solution for small boats that traditionally could not enjoy satellite TV program. Now with its compact and stylish design, small boat owners can enjoy the same luxury entertainment as the larger boat owners.

- *World's Smallest & Lightest*
- *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 the 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 times while the vessel is cruising at high speed.

Simple & Easy Installation

With a single cable to connect the antenna and the ACU, Intellian's i1 system is quick and easy to install. Our advanced ACU is designed to require minimum setup 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 functions.

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 contact an Authorized Intellian distributor in your local area to see if the system is suitable for your use.

**Intellian
Technologies™**
Communicate Smarter

SPECIFICATIONS

Intellian® i1

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

Key Features

Fully Automated System

Automatic satellite search and identification
2-axis step motors to stabilize the pedestal

Enhanced Antenna

Highly efficient 28cm parabolic antenna enables 52dBW of minimum EIRP.
RHCP/LHCP, Vertical/ Horizontal polarization

Compact Size

11 inch antenna dish diameter
Very light antenna weighs less than 10 pounds

Wide Range Search (WRS) Algorithm

Competitor methods search for the narrow band-width of the main lobe.
However Intellian's exclusive WRS searches for the 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 with USB cable

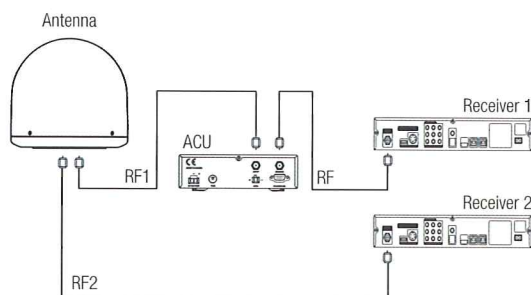
Built-in NMEA 0183 GPS Interface

Easy Interface allowing a boat owner to use the ship's GPS information.

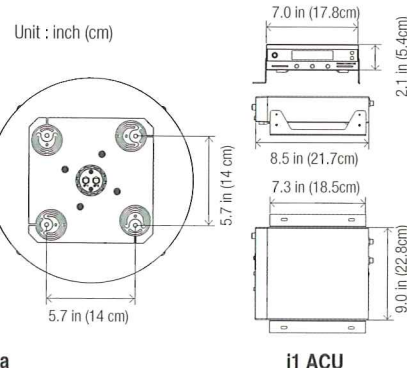
Technical Specifications

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



Intellian Technologies™
Communicate Smarter
ISO 9001 Certified

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