

Intellian® i6W

**World's First & Only
Global Satellite TV Service Reception
60cm Ku-band Marine Satellite Antenna**



Intellian® i6W is the world's first and only 60cm marine satellite antenna system that is capable of receiving thousands of global satellite TV services as well as the latest advanced DVB-S2 programming without ever forcing boaters to change any antenna hardware again.

Integrated with the 2nd generation WorldView™ LNB module, i6W offers a rock-solid and the highest stability of ± 10 kHz for TV receptions and allows boaters seamlessly to tune in any channels on any satellites and automatically switch between circular polarized programming in North, Central and South Americas, and linear polarized programming in Europe, Middle East, and the Asia Pacific region.

The i6W is able to withstand the most severe shock and vibration generated by the harsh marine environment. With a simplified yet sophisticated mechanical design and excellent satellite tracking capability, the i6W is recognized as the Real Definition for Satellite TV System at Sea.



Global Satellite Services Compatibility

Intellian i6W provides the ultimate convenience to connect you up to thousands of Free TV, Pay TV, Standard Definition, and High Definition programming all over the world with one LNB module which incorporates multi (8) LO frequencies.

Hands-Free WorldView™ LNB Module

The 2nd generation, patent-pending WorldView LNB module is the latest innovation from Intellian. Unlike other TVRO system LNB's with $\pm 1,000$ kHz stability, the Intellian WorldView LNB module is built on the highest stability of ± 10 kHz which has 100 times more accuracy and greater signal sensitivity. In addition, this LNB module receives multi-band and multi-polarization satellite TV services around the globe. Therefore, boaters don't need to manually change the LNB inside the antenna dome each time the vessel crosses into a different satellite service region.

DVB-S2 Digital TV Reception

Some of the HD TV services have moved onto DVB-S2 and will be more in the future. Thanks to Intellian's groundbreaking DVB-S2 digital TV technology, now boaters are able to enjoy their favorite DTH (Direct To Home) entertainment at sea, just like home.

Global Satellite Library

The i6W includes the pre-programmed global satellite library which allows boaters to select the desired satellite while travelling from region to region. Once the satellite is selected the WorldView LNB module will automatically switch to the corresponding local frequency to receive the signal.

Intellian®

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60cm Ku-band 2-axis Marine Satellite Antenna Systems

Technical Specifications

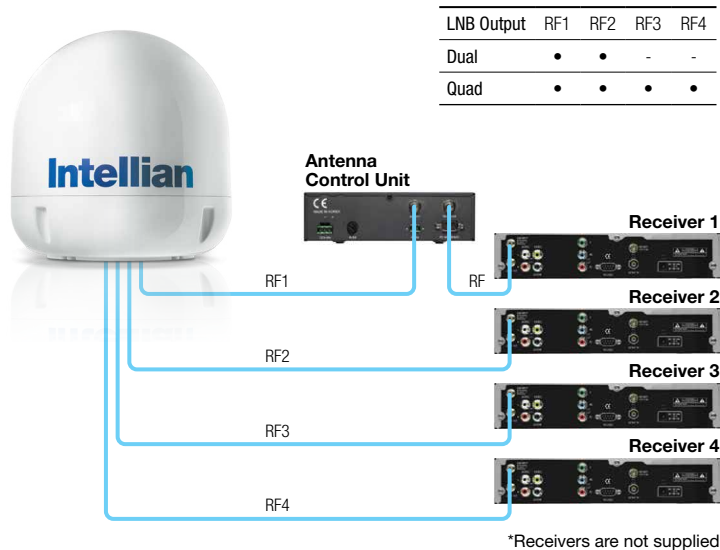
Part	Specifications
B3-611W2	Intellian i6W Satellite TV Antenna System
Physical	
Radome (D x H)	70 x 72 cm / 27.5" x 28.3"
Antenna Dish Diameter	60.0 cm / 23.6"
Weight	21 kg / 46.3 lbs
Environmental	
Operating Temp. Range	-15°C to +55°C / +5°F to +131°F
Storage Temp. Range	-25°C to +70°C / -13°F to +158°F
Water Ingress	IPX6
Approvals	CE / FCC
Warranty	2 year parts and 1 year labor
Performance	
Reception Frequency	Ku-Band (10.7 ~ 12.75 GHz)
Minimum EIRP	47 dBW
Azimuth Range	680°
Elevation Range	+5° to +90°
Ship's Motion	Roll ±25°, Pitch ±15°
Roll & Pitch Response Rate	45°/sec
Turn Rate	45°/sec
RF Output	Quad output

Antenna Control Unit	
Dimensions (W x D x H)	17.8 x 21.7 x 5.4 cm / 7" x 8.5" x 2.1"
Weight	1.2 kg / 2.6 lbs
Display	2 line 20 character VFD module
Power Input	Input : 9.0~30.0 V DC (Typ. 30 W, max 50 W)
GPS Interface	Built-in (NMEA 0183 GPS)

LNB LO Frequencies		
Local Oscillator Frequency	Polarization	Area
11.250 GHz	Dual Circular	North America, Russia
10.500 GHz	Dual Circular	Latin America
10.750 GHz	Single Circular	Korea
10.750 GHz	Dual Circular	China
10.678 GHz	Single Circular	Japan
11.300 GHz	Dual Linear	South East Asia
10.700 GHz	Dual Linear	Australia
Universal Low: 9.75 GHz High: 10.6 GHz	Quad Linear	Europe, Middle East, Africa, some Asia countries

- Note**
- LNB stability: ±10 kHz (Except at Universal 9.75 GHz)
 - LNB LO frequencies can be extended
 - LNB LO frequencies are automatically changed according to target satellites
 - Polarization can be switched between circular and linear

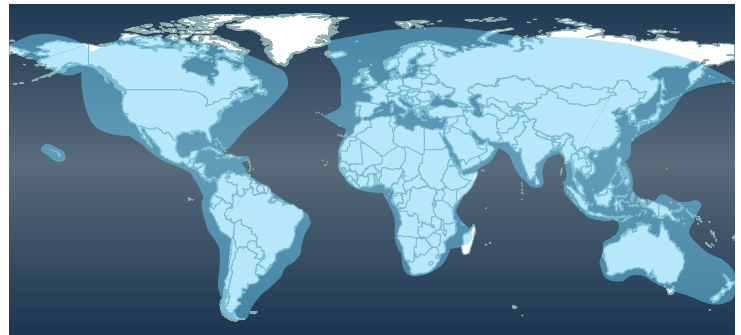
System Diagram



Key Features

- Global satellite TV services compatibility
- Built-in WorldView LNB module
- DVB-S2 decode capability
- Built-in GPS and auto LNB pol control system
- Built-in pre-programmed global satellite library

Coverage



ISO 9001, 14001 Certified

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