

Intellian® i9W

World's First & Only
Global Satellite TV Service Reception
85cm Ku-band Marine Satellite Antenna



Intellian® i9W is the world's first and only 85cm 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, i9W offers a rock-solid and the highest stability of ± 25 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 i9W 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 i9W is recognized as the Real Definition for Satellite TV System at Sea.

Intellian i9W 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.

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 ± 25 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.

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.

The i9W 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.



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85cm Ku-band 2-axis Marine Satellite Antenna Systems

Technical Specifications

Part	Specifications
B3-911W2	Intellian i9W Satellite TV Antenna System
Physical	
Radome (D x H)	113 x 121 cm / 44.5" x 47.5"
Antenna Dish Diameter	85 cm / 33.5"
Weight	57.2 kg / 126 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	3 year parts and 1 year labor
Performance	
Reception Frequency	Ku-Band (10.7 ~ 12.75 GHz)
Minimum EIRP	44 dBW
Azimuth Range	680°
Elevation Range	-15° to +90°
Ship's Motion	Roll ±25°, Pitch ±15°
Roll & Pitch Response Rate	30°/sec
Turn Rate	30°/sec
RF Output	Quad output

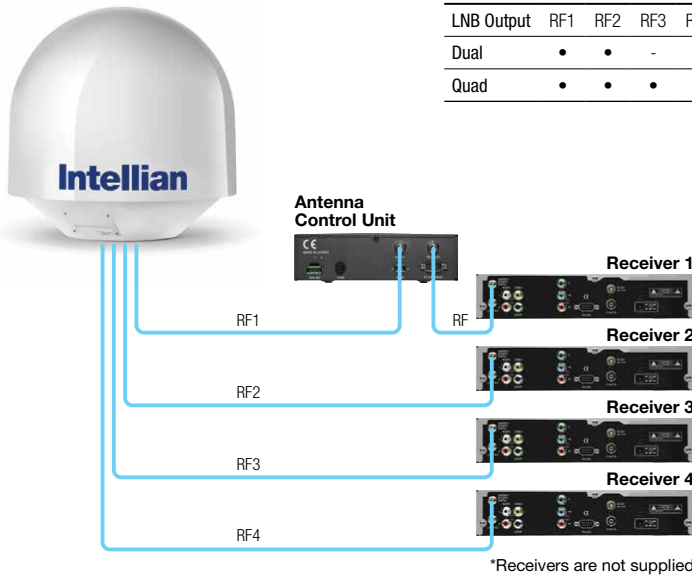
Antenna Control Unit	
Dimensions (W x D x H)	17.8 x 21.7 x 5.4 cm / 7" x 8.5" x 2.1"
Weight	1.2 kg / 2.6 lbs
Display	2 line 20 character VFD module
Power Input	Input : 9.0~30.0 V DC (Typ. 30 W, max 50 W)
GPS Interface	Built-in (NMEA 0183 GPS)

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: ±25 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

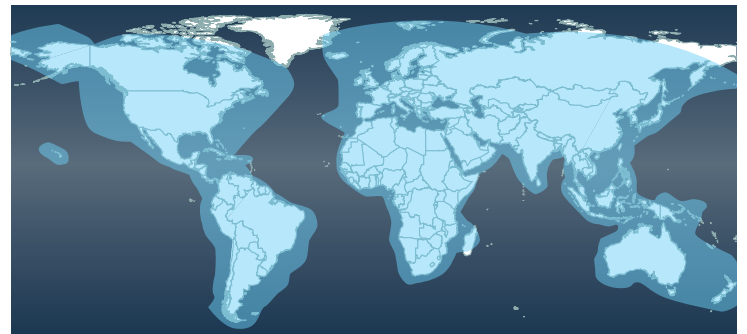
LNB Output	RF1	RF2	RF3	RF4
Dual	•	•	-	-
Quad	•	•	•	•



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



Intellian®

ISO 9001, 14001 Certified

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