

# Intellian i6W

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



## 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  $\pm 10$  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.

## Wireless connectivity & Aptus mobile

The built-in Wi-Fi enables the ACU to be wirelessly connected. PCs, laptops and smartphones can be used to connect to the ACU and monitor, control and change the settings of the system wirelessly. Intellian Aptus mobile is available for download to access to the ACU via Wi-Fi and operate the antenna from their iPhone, iPad or other network devices. iPhone and iPad are registered trademarks of Apple Inc.

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# Intellian i6W

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

### Technical Specifications

Physical	
Radome Height	72cm / 28.3"
Radome Diameter	70cm / 27.5"
Reflector Diameter	60cm / 23.6"
Weight	21kg / 46.3lbs
Environmental	
Operating Temp. Range	-25°C to +55°C / -13°F to +131°F
Storage Temp. Range	-40°C to +80°C / -40°F to +176°F
Water Ingress	IPX6
Approvals	CE / FCC
Warranty	3 year parts and 1 year labor
Performance	
Reception Frequency	Ku-Band (10.7~12.75GHz)
Polarization	Circular and Linear
Minimum EIRP	46dBW
Azimuth Range	680°
Elevation Range	+5° to +90°
Ship's Motion	Roll ±25°, Pitch ±15°
Roll & Pitch Response Rate	45° / sec
Turning Rate	45° / sec
RF Output	Quad output

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

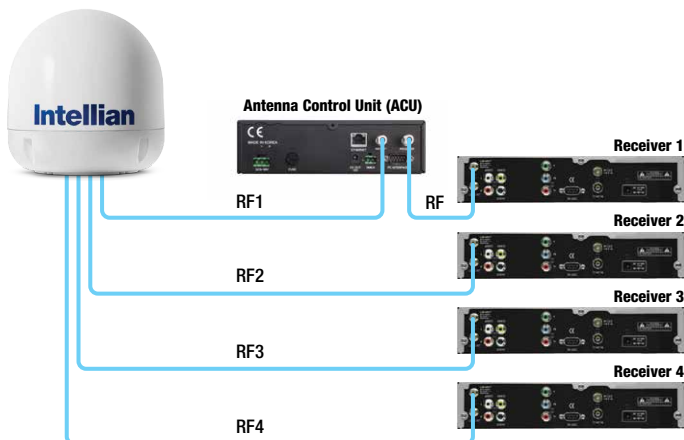
LNB LO Frequencies		
Local Oscillator Frequency	Polarization	Area
11.250 GHz	Dual Circular	North America, Russia
10.500 GHz	Dual Circular	Latin America
10.750 GHz	Single Circular	Korea
10.750 GHz	Dual Circular	China
10.678 GHz	Single Circular	Japan
11.300 GHz	Dual Circular	South East Asia
10.700 GHz	Dual Circular	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

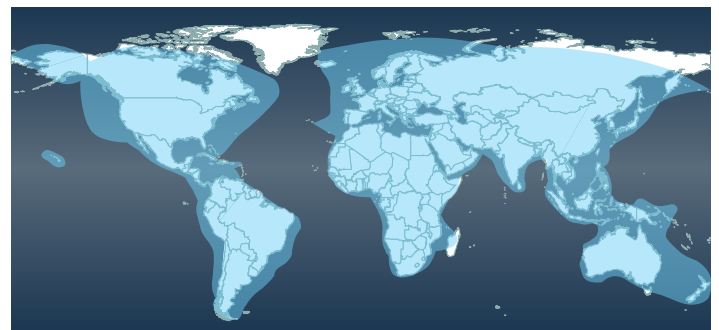
LNB Output	RF1	RF2	RF3	RF4
Dual	•	•	-	-
Quad	•	•	•	•



### Key Features

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

### Coverage Map



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