

Intellian t80W

85cm Marine Stabilized Ku-Band Global Satellite TV Antenna System



Intellian WorldView™ LNB module

Intellian t80W 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.

DVB / DVB-S2 signal reception

The fully stabilized, 3-axis t80W is a 85cm satellite TV antenna system that is exclusively designed to support viewing all Standard Definition (SD) and HD programming broadcast through both DVB and the latest DVB-S2 satellite TV service standards.

Dedicated Management Ethernet Port

The Management Ethernet Port on the front of ACU enables direct and simple network connection between a PC and the ACU. The Management

Port supports DHCP network connection by default, allowing automatic IP configurations and quick access to Intellian's remote management solution, Aptus Web.

Global satellite library

The t80W 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.

Rugged construction

Built with Intellian's extremely high vibration and shock standards, the t80W's simplified yet sophisticated mechanical design is capable of withstanding the most severe marine environment and is guaranteed to track and lock onto the satellite signal instantly in all weather conditions.

Wireless Connectivity

The built-in Wi-Fi enables the ACU to be wirelessly connected and can be either turned on and off by a switch. Any kind of wireless devices such as PCs, laptops and smartphones can be used to connect to the ACU and monitor, control and change the settings of the system wirelessly.

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Connect with the best

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Technical Specifications

Physical		
Radome Height	120.5cm / 47.4"	
Radome Diameter	113cm / 44.5"	
Reflector Diameter	85cm / 33.5"	
Weight	82.2Kg / 181.2lbs	
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 / Linear auto-switchable	
Minimum EIRP	44dBW	
Azimuth Range	680°	
Elevation Range	-15° to +110°	
Ship's Motion	Roll ±25°, Pitch ±15°, Yaw ±8° @ 6 sec period	
Turning Rate	Up to 12°/sec & 5°/sec ²	
RF Output	Quad Output	
Antenna Control Unit		
Dimensions (WxDxH)	43.1cm x 38cm x 4.4cm / 17" x 15" x 1.7"	
Weight	3.5kg / 7.7lbs	
Display	2 line 40 Character VFD module	
GPS Interface	Built-in (NMEA 0183 GPS)	
Power Requirement	100~240V AC, 50~60Hz, 2A	
Power Consumption	Typ.50W, Max. 100W	
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	<ul style="list-style-type: none"> 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 	

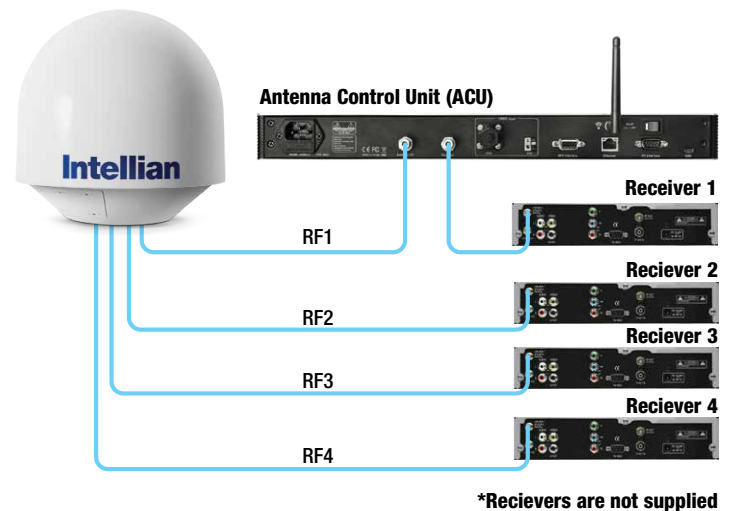
Intellian t80W is the world's first marine satellite TV antenna system that truly works with any Kuband satellite TV service around the globe without requiring LNBS to be swapped out or re-wiring the system when the vessel travels from region to region.

The fully stabilized, 3-axis t80W is a 85cm satellite TV antenna system that is exclusively designed to support viewing all Standard Definition (SD) and HD programming broadcast through both DVB and the latest DVB-S2 satellite TV service standards.

Integrated with the exclusive, patented, groundbreaking WorldView™ LNB module and Intellian's exclusive preprogrammed Global satellite library, the t80W allows you to tune into any channel on any satellite by simply pushing the button on your remote control. The t80W will automatically switch between circular polarized programming in North, Central and South Americas, and linear polarized programming in Europe, the Middle East, and the Asia Pacific region.

Built with Intellian's extremely high vibration and shock standards, the t80W's simplified yet sophisticated mechanical design is capable of withstanding the most severe marine environment and is guaranteed to track and lock onto the satellite signal instantly in all weather conditions.

System Diagram



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