

Intellian® t130W

World's First & Only Global Satellite TV Service Reception
1.25m Stabilized Ku-band Marine Satellite Antenna



Global Satellite Services Compatibility

Intellian t130W 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.

Global Satellite Library

The t130W 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.

DVB-S2 Digital TV Reception

Some of the HD TV services have moved onto DVB-S2, and there 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.

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.

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.

Wide Elevation Range

The wide elevation range from -15° to 120° enables the t130W to have seamless signal reception while the vessel is traveling near the Equator or Polar Regions.

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.

Intellian

Connect with the best

Intellian® t130W

1.25m Ku-band 3-axis Marine Satellite Antenna Systems

Technical Specifications

Physical	
Radome Height	168.4cm / 66.2"
Radome Diameter	165.2cm / 65"
Reflector Diameter	125cm / 49.2"
Antenna Weight	117kg / 258lbs
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	40dBW
Azimuth Range	680°
Elevation Range	-15° to +120°
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

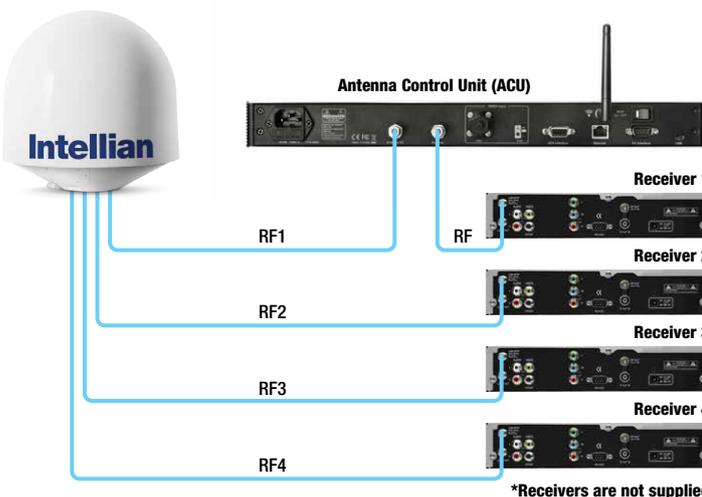
LNB LO Frequencies		
Local Oscillator Frequency	Polarization	Area
11.250 GHz	Dual Circular	North America, Russia
10.500 GHz	Dual Circular	Latin America
10.750 GHz	Single Circular	Korea
10.750 GHz	Dual Circular	China
10.678 GHz	Single Circular	Japan
11.300 GHz	Dual Linear	South East Asia
10.700 GHz	Dual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

Note

- 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 decode capability**
- **Built-in GPS and auto LNB pol control system**
- **Built-in pre-programmed global satellite library**

Coverage Map



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