

# 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.

## Intelligent Signal Distribution

t-Series systems now feature an embedded Quattro Switching Module, which intelligently distributes different tone signals to the correct ports on any legacy multiswitches installed throughout the ship. No need for reconfiguring anything below deck apart from the ACU.

## 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.

# t130W 1.25m Ku-band 3-axis Marine Satellite Antenna System

## 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 2 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 <sup>2</sup>
RF Output	Dual / 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

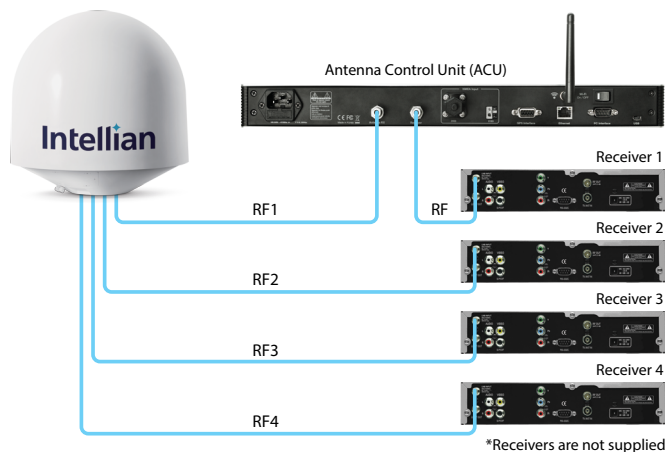
LNB LO Frequencies		
Local Oscillator Frequency	Polarization	Area
11.250 GHz	Dual Circular	North America, Russia
10.500 GHz	Dual Circular	Latin America
10.750 GHz	Single Circular	Korea
10.750 GHz	Dual Circular	China
10.678 GHz	Single Circular	Japan
11.300 GHz	Dual Linear	South East Asia
10.700 GHz	Dual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

**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

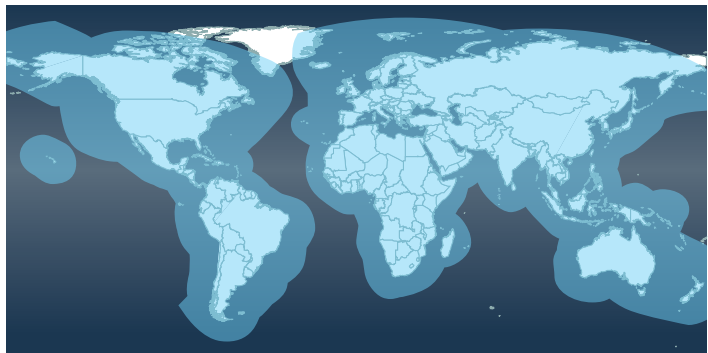
LNB Output	RF1	RF2	RF3	RF4
Dual	•	•	-	-
Quad	•	•	•	•



## 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



**Global HQ**  
 Innovation Center  
 Intellian Technologies, Inc  
 T +82 31 379 1000  
 F +82 31 377 6185

**APAC**  
 Seoul  
 Intellian Technologies, Inc.  
 T +82 2 511 2244  
 F +82 2 511 2235

**Americas**  
 Irvine  
 Intellian Technologies USA, Inc.  
 T +1 949 727 4498  
 F +1 949 271 4183  
 Toll Free +1 888-201-9223

**EMEA**  
 Rotterdam  
 Intellian B.V.  
 T +31 1 0820 8655  
 F +31 1 0820 8656