

Intellian® t100W

World's First & Only Global Satellite TV Service Reception
1.05m Stabilized Ku-band Marine Satellite Antenna



Hands Free WorldView™ LNB

The t100W comes standard with Intellian's 2nd Generation proprietary WorldView LNB Module. Users regularly crossing from one global region to another will never have to climb the mast to change a LNB module again. The antenna automatically switches between LO Frequencies and Polarizations as needed and continues providing seamless entertainment anytime, anywhere.

Matching Dome Solution

The t100W's radome matches the styling of Intellian's v100GX VSAT antenna, making the two a perfect solution for larger yachts or wherever there is an emphasis on symmetrical design. The v100GX is one of the most popular VSAT antennas on the market today, making the t100W a convenient choice.

Global Satellite Services Compatibility

Intellian t100W 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 t100W includes the pre-programmed global satellite library which allows users 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.

Remote Management Capability

All Intellian t-Series antennas come equipped with an Intellian LAN port. This important feature enables a vessel's TVRO antenna to be networked with any onboard Intellian satellite communications antenna (VSAT, GX or FBB) so that onshore support staff can access the t-Series antenna from anywhere in the world to ensure maximum performance.

Wireless Connectivity

Any kind of wireless device such as PCs, laptops and smartphones can connect to the ACU and monitor, control and change the settings of the system wirelessly via Intellian's Aptus control software.

Intellian

Connect with the best

Intellian® t100W

1.05m Ku-band 3-axis Marine Satellite Antenna Systems

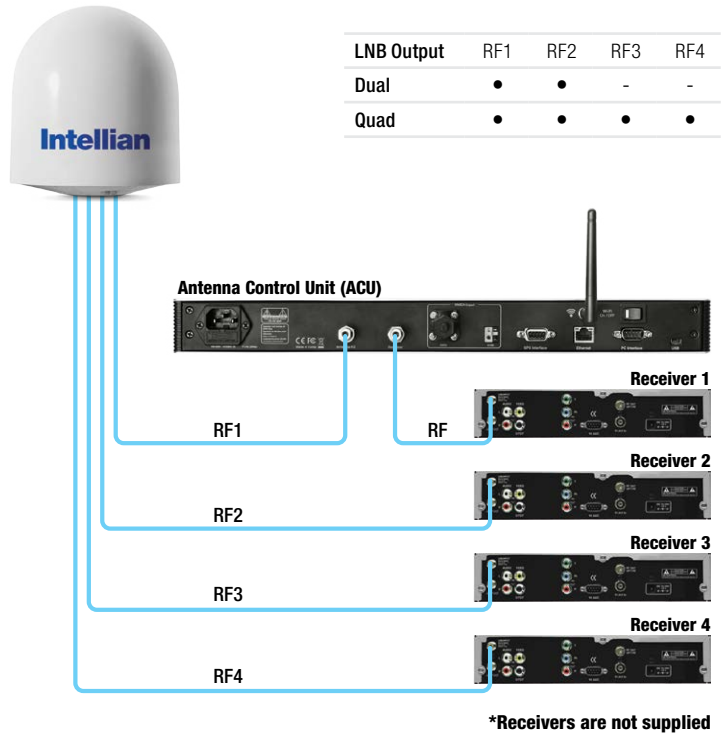
Technical Specifications

Physical		
Radome Height	151.4cm / 59.63"	
Radome Diameter	138cm / 54.33"	
Reflector Diameter	105cm / 41.3"	
Weight	93.9kg / 207lbs	
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	42dBW	
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

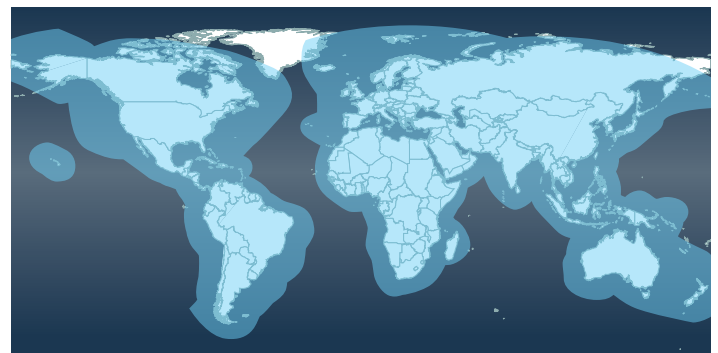
Note

- 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



Coverage Map



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