

Intellian® t80W

85cm Ku-band 3-axis Global Satellite TV Antenna Systems

Intellian® t80W is the world's first marine satellite TV antenna system that truly works with any Ku-band 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(33.5") 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 pre-programmed 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.



Product Model	Specifications	
Intellian t80W	3-axis Ku-band Marine Satellite TV Antenna System	
Physical		
Dimensions(diameter x height)	113 x 121 cm (44.6"x 47.5")	
Antenna Dish	85 cm (33.5")	
Weight	83.4 kg (184 lbs)	
Performance		
Reception Frequency	Ku-band (10.7~ 12.75 GHz)	
Minimum EIRP	44 dBW	
Azimuth Range	680°	
Elevation Range	-15° to +110°	
Cross Level Range	±30°	
Stabilization Accuracy	0.2° peak mis-pointing@ max ship motion condition	
Max. Ship Motion		
Roll/Pitch/Yaw	±25° roll, ±15° pitch, ±8° yaw@ 6 sec period	
Turning Rate	Up to 12/sec & 5/sec 2	
Enviromental		
Operating Temp. Range	-25°C to +55°C (-13°F to +131°F)	
Storage Temp. Range	-30°C to +70°C (-22°F to +158°F)	
Water Ingress	IPX6	
Approved	CE and FCC	
Warranty	3 Year Parts 1 Year Labor	
Antenna Control Unit		
Dimensions (WxDxH)	43cm(16.9")x29.58cm(11.6")x4.4cm(1.7")	
Weight	3.2kg (7.1 lbs)	
Display	2 Line 40 Character Graphic VFD Module	
Power Input	110V ~ 220V AC (Typ. 50W, Max 100W)	
Ship's Gyrocompass Interface	NMEA/Synchro	
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®

ISO 9001, 14001 Certified

www.intelliantech.com

HQ/Innovation Center/Factory

Intellian Technologies, Inc.
348-5 Chungcho-Ri, Jinwi-Myeon
Pyeongtaek-Si, Gyeonggi-Do 451-862 Korea

T +82 31 379 1000
F +82 31 377 6185

Seoul Office APAC

Intellian Technologies, Inc.
2F Dongik Building, 98 Nonhyun-Dong
Gangnam-Gu, Seoul 135-010 Korea

T +82 2 511 2244
F +82 2 511 2235

Irvine Office Americas

Intellian Technologies USA, Inc.
9004 Research Drive
Irvine, CA 92618 USA
T +1 949 727 4498
Toll Free +1 888-201-9223
F +1 949 271 4183

Rotterdam Office EMEA

Intellian B.V.
Bristolstraat 1, 3047AB
Rotterdam, The Netherlands
T +31 1 0820 8655
F +31 1 0820 8656

UK Office

Intellian Ltd.
Epsilon House, Enterprise Road,
Southampton Science Park,
Southampton, Hampshire SO16 7NS, UK
T +44 2380 019 021
F +44 2380 767 092

Intellian has more worldwide offices. Addresses, phone numbers, and fax numbers are listed on the Intellian Website at www.intelliantech.com

©2013 Intellian Technologies, Inc. All rights reserved. Intellian and the Intellian logo are registered trademarks. DBT, WRS, t80W and t-Series are trademarks of Intellian Technologies, Inc. in the U.S. and/or various countries. All other trademarks are the property of their respective owners. Information in this document is subject to change without notice.