

Intellian® t80

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

Intellian® t80 a 85cm (33.5") fully stabilized 3-axis satellite TV antenna system is exclusively designed for yachts, workboats and commercial vessels requiring a compact, reliable and powerful antenna that provides global satellite TV service reception.

Built to support the latest DVB-S2 and DVB satellite TV service standards, the t80 allows boaters to enjoy seamless and uninterrupted reception of HD and standard-definition (SD) TV. Multiple receivers can be connected to the system as standard.

The t80's solid, rugged and robust mechanical construction is tested and approved to Intellian's high vibration and shock standards to ensure that it will survive in any harsh marine environment and lock onto the satellite signal instantly.

The t80 dome is designed to complement the v80G VSAT antenna, providing customers with a compact, multi-function dual antenna solution for communications and entertainment onboard.



Product Model	Specifications
Intellian t80	3-axis Ku-band Marine Satellite TV Antenna System
Physical	
Dimensions(diameter x height)	113 x 114 cm (44.5" x 44.9")
Antenna Dish	85 cm (33.5")
Weight	81.2 kg (179.0 lbs)
Performance	
Reception Frequency	10.7 ~ 12.75 GHz Ku-band
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
Environmental	
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
Warranty	2 Year Parts 1 Year Labor
Antenna Control Unit	
Dimensions (WxDxH)	43 cm (16.9") x 29.58 cm (11.6") x 4.4 cm (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

Intellian®

ISO 9001 Certified

Headquarters
Innovation Center & Factory
Intellian Technologies, Inc.
348-5 Chungro-Ri, Jinwi-Myeon
Pyeongtaek-Si, Gyeonggi-Do 451-862 Korea
T +82 31 379 1000 F +82 31 377 6185

APAC
Seoul Office
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

Americas
Irvine Office
Intellian Technologies USA, Inc.
9004 Research Drive
Irvine, CA 92618 USA
T 949 727 4498 F 949 271 4183

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

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

©2012 Intellian Technologies, Inc. All rights reserved. Intellian and the Intellian logo are registered trademarks. DBT, WRS, t80 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.