

t80Q

Optimized for European Market

85cm Stabilized Ku-band Marine Satellite TV Antenna



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Intellian provides just right solution for European customer's purpose. It's simple, easy, reliable and affordable. For vessels that may require global TV coverage in the future, a conversion kit is also available for WorldView LNB Model.

DVB / DVB-S2 Signal Reception

The fully stabilized, 3-axis t80Q is an 85cm 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.

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.

Global Satellite Library

The t80Q includes the pre-programmed global satellite library which allows boaters to select the desired satellite while travelling from region to region. Moving from one region to another is as simple as a few button taps on your Smart phone or Tablet.

Rugged Construction

Built with Intellian's extremely high vibration and shock standards, the t80Q'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.

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.

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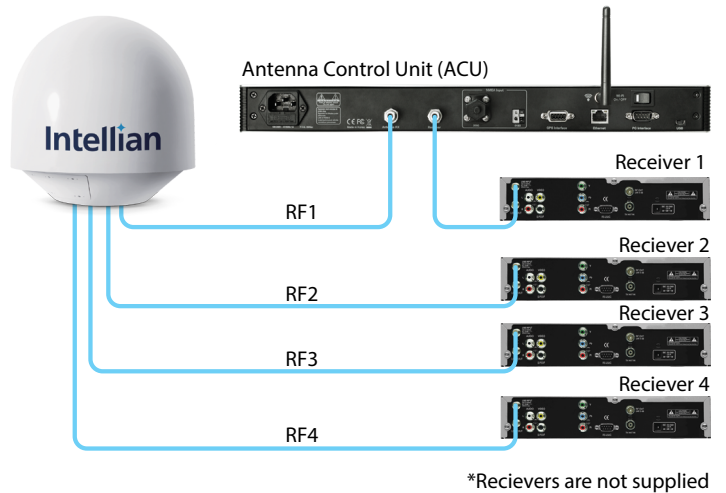
Technical Specifications

Physical		
Radome Height	120.5cm / 47.4"	
Radome Diameter	113cm / 44.5"	
Reflector Diameter	85cm / 33.5"	
Weight	82.2Kg / 181.2lbs	
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	Vertical / Horizontal	
Minimum EIRP	44dBW	
Azimuth Range	680°	
Elevation Range	-15° to +110°	
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
Universal Low: 9.75 GHz High: 10.6 GHz	Quad Linear	Europe, Middle East, Africa, some Asia countries

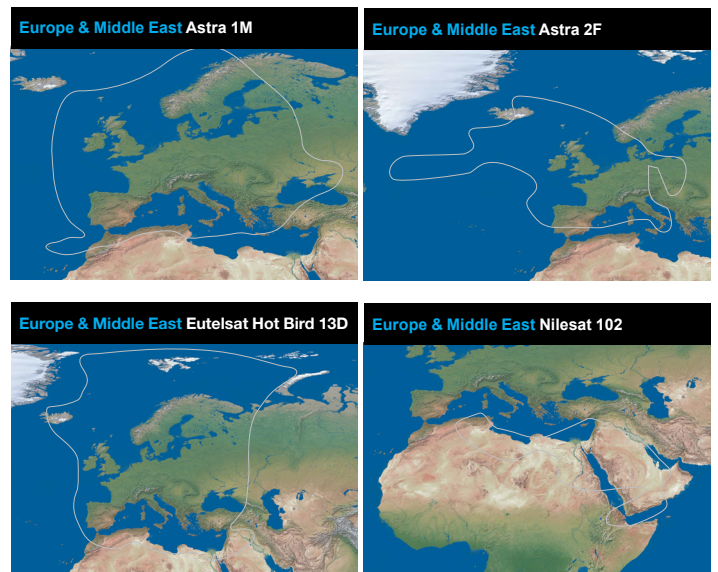
Note

- LNB stability : +/- 1.0MHz (25°C)
- Low / High band Switching
Low Band : 0KHz , High Band 22KHz±4KHz

System Diagram



Coverage Map



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