

# t100Q

**Optimized for European Market**

1.05m Stabilized Ku-band Marine Satellite TV Antenna



## Optimized for European Market

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.

## Matching Dome Solution

The t100Q'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 t100Q a convenient choice.

## 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.

## Global Satellite Library

The t100Q 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.

## 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.

## 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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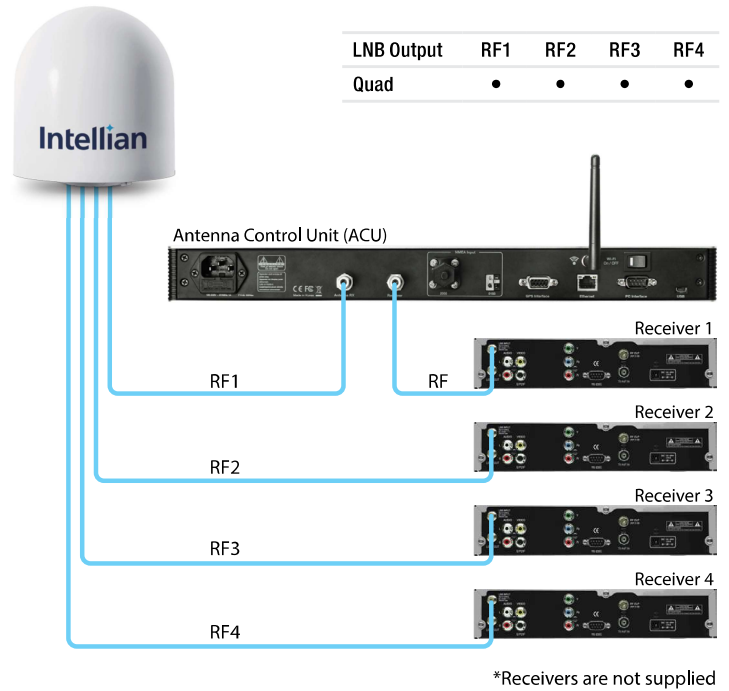
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### Technical Specifications

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 2 year labor	
Performance		
Reception Frequency	Ku-band (10.7~12.75GHz)	
Polarization	Vertical / Horizontal	
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 <sup>2</sup>	
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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