

# Intellian® t110w/t130w

**Multi-band and Multi-polarization 3-axis Marine Satellite TV Antenna Systems**

**Intellian® w-Series** is the world's first satellite TV antenna solution that receives multi-band and multi-polarization satellite TV services with ONE LNB module.

Intellian exclusive WorldView™ LNB module is designed and manufactured by Intellian's in-house engineering, which offers seamless switching between circular polarized programming in North, Central and South Americas, and linear polarized programming using Universal Quad LNB in Europe, Middle East, and the Asia Pacific with its built-in Auto LNB pol control system.

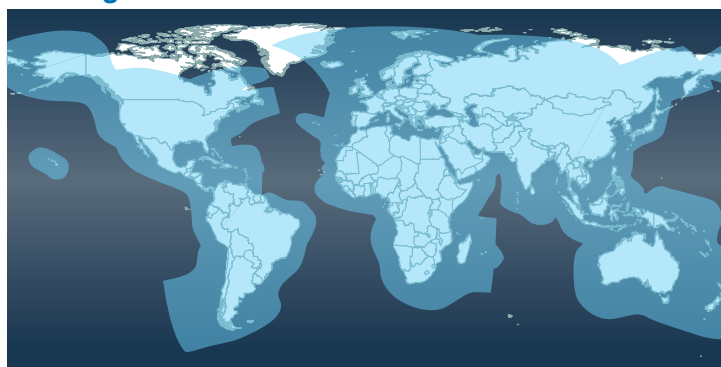
The t110w and t130w are the commercial 3-axis models of the new line. Now you can enjoy satellite TV services around the world without manually changing the LNB unit inside the antenna dome each time the vessel crosses into a different satellite service region.



## Technical Specification

Product Model	t110w	t130w
<b>Radome &amp; Antenna</b>		
Radome (D x H)	133 x 142 cm (52.4" x 56.0")	165 x 169 cm (65.0" x 66.5")
Dish Diameter	105 cm (41.3")	125 cm (49.2")
Weight	91 kg / 201 lbs	117 kg / 258 lbs
<b>Stabilized Pedestal Assembly</b>		
Pedestal Type	3-axis / Azimuth, Elevation, Cross-level	
Azimuth Range	680° (Limited)	
Elevation Range	-15° to +120°	
Cross Level	Up to ± 30°	
Stabilization Accuracy	0.2° peak mis-pointing @ max ship motion condition	
<b>Max Ship's Motion</b>		
Roll / Pitch / Yaw	±25° / ±15° / ±8° @ 6 sec period	
Turn Rate	Up to 12°/sec & 5°/sec <sup>2</sup>	
Reception Frequency	Low band	High band
Americas (Circular)	11.45~12.2 GHz	12.2~12.75 GHz
	L/O : 10.5 GHz	L/O : 11.25 GHz
Universal Quad (Linear)	10.7~11.70 GHz	11.7~12.75 GHz
	L/O : 9.75 GHz	L/O : 10.6 GHz
<b>Performacne</b>		
Polarization	Vertical / Horizontal or RHCP / LHCP	
LNB Pol Control	Automatic LNB pol control	
Minimum EIRP	42 dBW	40 dBW
<b>Rack-mount Antenna Control Unit</b>		
Display	2 line 40 character graphic VFD module	
Serial Interface	RS-232C (19200 bps 8, N, 1)	
Power Requirement	110/220 V AC, 50/60 Hz, 1 Phase (Max 100 W)	
Gyrocompass Interface	NMEA / Synchro	

## Coverage



**Intellian®**

ISO 9001 Certified

For more info, visit [intelliantech.com](http://intelliantech.com)

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