

# Intellian® v130 *Marine Stabilized Ku-band Communication Antenna System with 3-axis and 1.25m Dish Diameter*

## Intellian® v130

is a 1.25m 3-axis stabilized maritime satellite communication antenna system that supports SCPC, TDMA, Spread Spectrum or Carrier-in-Carrier. v130 supports single or multi-band LNB and the option of 2W-25W BUC. All antennas are equipped with unlimited azimuth for uninterrupted data communications. Meets FCC specifications, ETSI specifications, EN60945, EN60950, R&TTE, and meets a part of DNV standards, MIL-STD-167.

The user friendly design reduces installation time, cost of ownership and maintenance on board. Remote IP access ensures cost efficient technical support without having an engineer come on board. This would include monitoring link status, network usage and firmware updates. Features include universal compatibility and ABS (Automatic Beam Switching) function with many leading service providers based on iDirect, Hughes, and Comtech platforms. The Intellian v130 has been installed on commercial and offshore vessels, oil & gas, military fleets and pleasure boats to megayachts around the world.



## Technical Specifications

Product Model	Specifications
Intellian v130	3-axis Marine Stabilized Ku-band Communication Antenna System
<b>Radome &amp; Antenna</b>	
Radome ( D x H )	65" x 66.5" / 165 cm x 169 cm
Dish Diameter	49.2" / 125 cm
Weight	346 lbs / 157 kg (variable w/ RF components)
<b>Stabilized Pedestal Assembly</b>	
Pedestal Type	3-axis / Azimuth, Elevation, Cross-level
Azimuth Range	Unlimited
Elevation Range	-20° to +120°
Cross Level	Up to ±37°
Stabilization Accuracy	0.2° peak mis-pointing @ max ship motion condition
<b>Max Ship's Motion</b>	
Roll / Pitch / Yaw	±20° / ±10° / ±8°
Turning Rate	Up to 12° / sec & 5° / sec <sup>2</sup>
<b>Tx/ Rx</b>	
Tx Frequency	13.75 ~ 14.5 GHz Extended Ku-band
Tx Gain	43.2 dB @ Mid band
Rx Frequency	10.95 ~ 12.7 GHz Ku-band
Rx Gain	42.1 dB @ Mid band
<b>Polarization</b>	
Polarized Feed	Cross-pol only, or Cross-pol and Co-Pol
Skew Control	Automatic Skew-angle Control
<b>BUC</b>	
2W, 4W, 6W, 8W and above	
<b>Rack-mount Antenna Control Unit</b>	
Display	2 Line 40 Character Graphic VFD Module
Serial Interface	19200bps 8, N, 1, RS-232C
Modem Interface	Ethernet port / RS-232C / I/O ports
Remote Access	TCP / IP
Input Power	90~ 260 VAC, 47~ 63Hz (Max 350W included BUC power)
Gyrocompass Interface	NMEA / Synchro



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