

High Performance Marine Satellite Antenna Systems

Intellian® k4



The Only antenna that can bring you DIRECTV's NCAA Mega March Madness™ and NASCAR™ split-screen programming in HD!

Featuring

- Compact 18 inch dish size
- Add an extra 130 HD channels to your programming
- Can be combined with an i4, i3, or i2 Ku-band antenna for convenient mounting
- Ka- and Ku-band HD reception in a durable platform that can take the abuse of being in a tuna tower at high speed

**Intellian
Technologies™**
Communicate Smarter

Experience the innovation.



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Intellian® Dual Antenna System, i4 + k4

The only way to enjoy all of DIRECTV's programming at sea

Intellian® k4

- World's Only Marine Ka-band HD TV Antenna System for DIRECTV's New Satellites
- Combine with Intellian's i-Series Antenna for Simultaneous Viewing of DIRECTV and HDTV Programming
- Wide Range Search (WRS) and Dynamic Beam Tilting (DBT) for Faster Ka-band Signal Acquisition and Tracking
- Multi-functional Rack-mount Dual Antenna Control Unit (DACU)
- Exclusive Ka-band Antenna Components Optimized to Withstand the Marine Environment

Intellian® Dual Antenna System

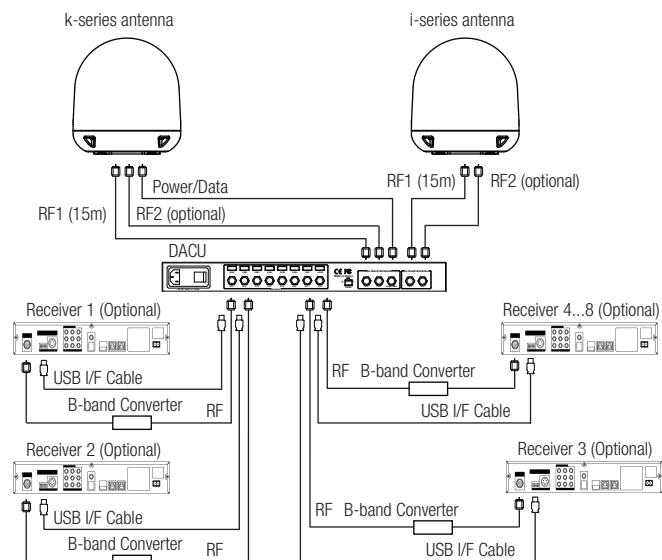
In order to receive all programming from DIRECTV satellites, a k-series antenna must be installed in combination with an Intellian i-series antenna. Intellian's exclusive Dual Antenna Control Unit simplifies installation and provides an extremely user-friendly interface.

Built-in HD and MIM modules, as well as an 8 port multi-switch, provide high-performance features that make watching TV and changing channels onboard as easy as watching at home.

Only Intellian Technologies provides a complete system for viewing all DIRECTV conventional and HDTV programming.

Intellian's innovative technology, advanced designs and attention to detail in manufacturing provide boaters the next generation of on-board satellite TV entertainment.

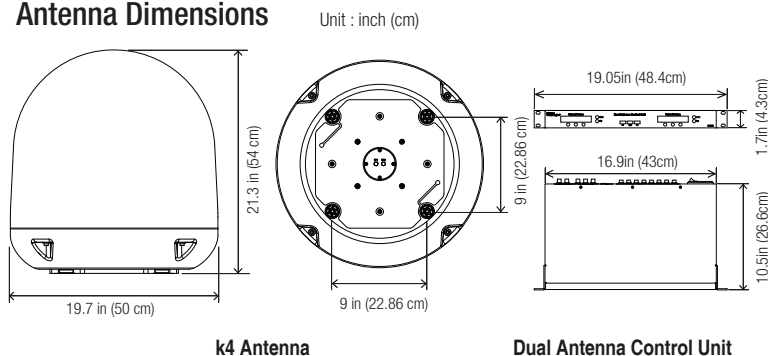
System Diagram



Technical Specifications

Part #	Specifications
K2-405D	Intellian k4 DIRECTV Ka-band Satellite HD TV Antenna System
Physical	
Radome Height	21.3 in (54 cm)
Radome Diameter	19.7 in (50 cm)
Antenna Dish Diameter	17.7 in (45 cm)
Weight	25.5 lbs (11.6 Kg)
Environmental	
Operating Temp. Range	5°F ~ 130°F (-15°C ~ 55°C)
Storage Temp. Range	-13°F ~ 158°F (-25°C ~ 70°C)
Water Ingress	IPX6
Approvals	CE / FCC
Warranty	2 Years Parts and 1 Years Labor
Performance	
Reception Frequency	Ka-band (18.3 ~ 20.2 GHz)
Polarization	RHCP/LHCP
Azimuth Range	680°
Elevation Range	0° to 90°
Ship's Motion	Roll +/-25°, Pitch +/-15°
Roll & Pitch Response Rate	45° / Second
Turn Rate	45° / Second
LNB	Dual Output
Antenna Control Unit	
Dimensions (WxDxH)	16.9 in (43cm) x 10.5 in (26.5cm) x 1.7 in (4.36cm)
Weight	8.8 lbs (4kg)
Display	Dual VFD (2 Line 20 Character VFD Module)
Control Key	10 Integrated Membrane Keys
Power Input	AC 90 ~ 260 V (47~63 Hz)
Receiver Interface	8 RF Ports (F-type) / 8 USB Ports (USB A type)

Antenna Dimensions



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