

Intellian® s80HD WorldView™

Ubiquitous TV Reception Onboard
3 DIRECTV Satellites and all Ku-Band Satellites

Intellian® s80HD WorldView™ is the most feature-packed marine satellite antenna system on the market today. The dual-band antenna system can simultaneously receive two Ka-band and one Ku-band satellite signal for DIRECTV® configuration including DIRECTV HD channels and or a single Ku-band feed to provide complete TV coverage wherever you are in the world.

The s80HD WorldView™ incorporates Intellian's newly developed WorldView™ Trio LNB system to enable uninterrupted satellite reception of all worldwide Ku-band satellites along with the DIRECTV channels without requiring LNBs to be swapped out or re-wiring the system. The WorldView™ Trio LNB module automatically switches to the corresponding polarization and local frequency regardless of the satellite service areas so that boaters and yacht owners can enjoy stable and simple TV operation onboard, traveling from region to region.

Incorporated with Intellian's multi-switch box as standard, the s80HD WorldView™ provides built-in SWM multi-switch and standard-type satellite multi-switch interface, providing a robust connection interface for DIRECTV satellite receivers and standard satellite receivers at the same time.

No matter your geographic location or the satellite signals used in the area, you'll always receive the strongest satellite TV signals for uninterrupted entertainment.



Simultaneous Reception of DIRECTV Ka- and Ku-Band

The s80HD WorldView™ antenna system with its triple feed horn provides you with simultaneous reception of two DIRECTV Ka-Band satellites and one DIRECTV Ku-Band satellite located at 99°W, 101°W and 103°W. This allows viewers to watch all DIRECTV channels without manually changing the satellites, as easy as you do on shore.

Intellian WorldView™ Trio LNB

Intellian's WorldView™ Trio LNB technology enables reception of all Ku-Band satellites around the globe. The WorldView™ Trio LNB can receive on all linear polarizations as well as left and right hand circular polarizations. The LNB module is programmed to select each satellite's L.O. automatically, which allows boaters to enjoy any satellite TV services by simply selecting a target satellite and connecting a satellite receiver.

Multi-Switch Module

Intellian s80HD WorldView™ comes as standard with a Multi-Switch module that allows you to connect various types of satellite receivers. The Multi-Switch includes a built-in SWM capability, supporting both Single Wire and standard installations, reducing the need for additional hardware, and simplifying onboard installation.

DVB-S2 Signal Identification

Intellian s80HD WorldView™ is fully compatible with DVB-S2 signals. It detects, identifies, and tracks satellite transmitting the DVB-S2 signal format. A capable satellite TV receiver and subscription is required.

3-Axis Stabilized System

The s80HD WorldView™ antenna is stabilized in three axes; azimuth, elevation and cross-level, providing faster, more reliable satellite tracking. The 3-axis stabilization is especially beneficial in regions near the equator and for vessels that may find themselves out in heavy seas.

Global Satellite Library

The s80HD WorldView™ antenna system contains a built-in global satellite library that provides satellite data wherever you are. The library receives service from satellites from around the globe, giving you the most relevant, location-based programming. Best of all, the Intellian Support team continuously upgrades the satellite library as programming changes, so you'll always have the most current satellite information available.

User Control with iPhone, iPad and Android apps

Intellian app is now available for owners of the s80HD WorldView™. Simply download the app onto your smartphone, tablet or other favorite device and operate your antenna, access the Satellite Library, download the latest antenna software and mode, with simple touch controls.

Intellian®

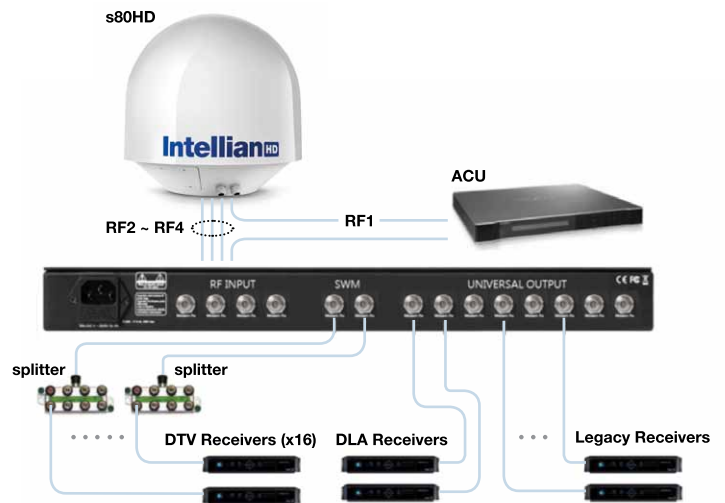
Intellian® s80HD WorldView™ 3-axis Marine Satellite Antenna Systems with Uninterrupted Global TV Reception

Technical Specifications

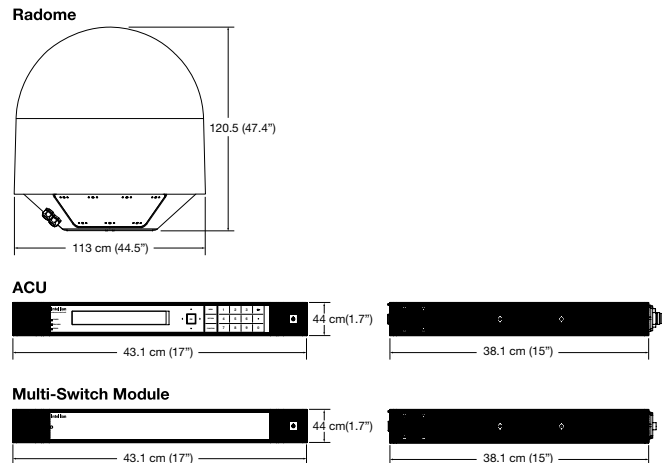
Mechanical Specification		
Size	Height	120.5cm (47.4")
	Diameter	113cm (44.5")
Weight	86.2kg (190 lbs)	
Antenna Specification		
Antenna Type	Cassegrain type	
Size	83cm (32.7")	
Polarization	Ku-band : Linear/Circular Switchable Ka-band: Circular	
Frequency	Ku-band : 10.7 ~ 12.75 GHz Ka-band : 18.3 ~ 18.8 / 19.7 ~ 20.2GHz	
Minimum EIRP	Ku-band : 43 dBW / Ka-band : 44 dBW	
Axis	Three Axis: Azimuth, Elevation, Cross-level. Auto Skew	
Positioning	3-axis Velocity Mode Servo Control: Azimuth, Elevation, and Cross-Level	
Tracking Rates	±25° roll, ±15° pitch, ±8° yaw @ 6sec period	
	Turning	Up to 12°/sec, 5°/sec2
Range of Motion	Azimuth	690°
	Elevation	-15° to 110°
	Cross Level	±32°
Stabilization Accuracy	0.2° max in presence of specified ship motions	
LNB	WorldView™ Trio LNB (Ka and programmable World-View LNB)	
LO Frequency	Ku-band: 9.75/10.6 GHz (Universal mode), 10.5, 10.6, 10.678, 10.7, 10.75, 10.8, 11.0, 11.05, 11.2, 11.25 and 11.3 GHz (Single mode) Ka-band : 18.05 GHz	
Antenna Control Unit		
Size	43.1cm x 38.1cm x 4.4cm (17" x 15" x 1.7")	
Weight	3.5kg (7.7 lbs)	
Display	2 Line 40 Character Graphic VFD Module	
User Control Key	20 touch key	
Serial Port	57600bps 8, N, 1, RS-232C	
Remote Access	TCP / IP, Wi-Fi (Range: ~120 meters)	
Flash Memory	256MB	
Ethernet Port	2 x RJ45(Front 1, Rear 1)	
USB	Log Download, Firmware Upload	
Connector	Antenna Interface	F-Type
	STB Interface	F-Type
	RS-232C Interface	DSUB-9
Power Requirement	100~240 VAC, 50~60Hz, 2A	

Environmental	
Operating Temp. Range	-25°C ~ +70°C / -13°F ~ 158°F
Storage Temp. Range	-40°C ~ +70°C / -40°F ~ 158°F
Water Ingress	IPX6
Approvals	CE / FCC
Warranty	3 year parts and 1 year labor

System Configuration



System Dimension



ISO 9001 Certified

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