

Intellian s80HD WorldView™

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



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.

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.

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.

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.

Simultaneous Reception of 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.

Multi-Switch Module

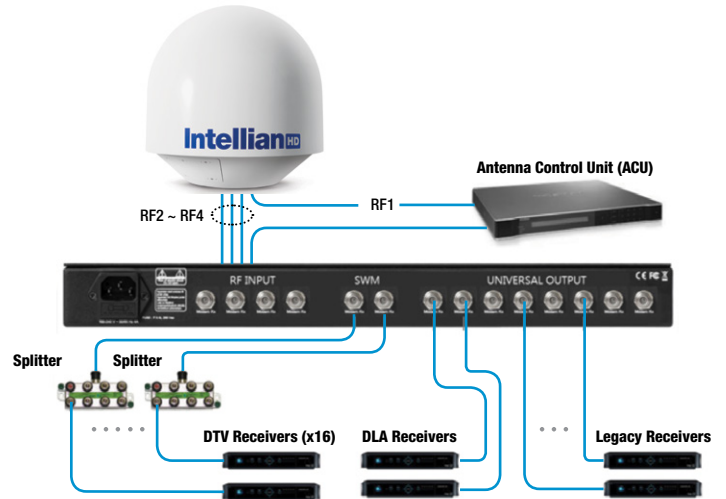
Intellian s80HD WorldView™ comes as standard with a Multi-Switch module that allows you to connect various types of satellite receivers. The Multi-Switch includes a built-in SWM capability, supporting both Single Wire and standard installations, reducing the need for additional hardware, and simplifying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

Intellian s80HD WorldView™

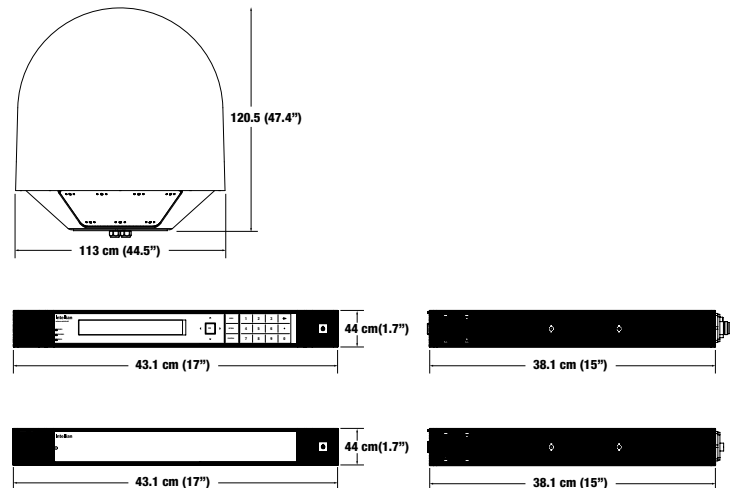
Technical Specifications

Physical	
Radome Height	120.5cm / 47.4"
Radome Diameter	113cm / 44.5"
Reflector Diameter	83cm / 32.7"
Weight	86.2kg / 190lbs
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 1 year labor
Performance	
Platform	3-axis : Azimuth, Elevation, Cross-Level / Auto Skew
Reception Frequency	Ku-band : 10.7~12.75 GHz Ka-band : 18.3~18.8 / 19.7~20.2GHz
Polarization	Ku-band : Linear/Circular Switchable Ka-band : Circular
Minimum EIRP	Ku-band : 43dBW / Ka-band : 44dBW
Azimuth Range	690°
Elevation Range	-15° to +110°
Cross Level Range	±32°
Ship's Motion	Roll ±25°, Pitch ±15°, Yaw ±8° @ 6 sec period°
Turning Rate	Up to 12°/sec and 5°/sec ²
Stabilization Accuracy	0.2° max in presence of specified ship motions
LNB LO Frequencies	
WorldView™ Trio LNB (Ka and programmable World-View LNB)	
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	18.05GHz
Antenna Control Unit	
Dimensions (WxDxH)	43.1cm x 38.1cm x 4.4cm / 17" x 15" x 1.7"
Weight	3.5kg / 7.7lbs
Display	2 Line 40 Character Graphic VFD Module
GPS Interface	NMEA In / NMEA Out
Power Requirement	100~240V AC, 50~60Hz, 2A
Power Consumption	Typ.50W, Max. 100W

System Diagram



System Dimensions



Intellian

Global HQ
Innovation Center / Factory
Intellian Technologies, Inc
T +82 31 379 1000
F +82 31 377 6185

APAC
Seoul Office
Intellian Technologies, Inc.
T +82 2 511 2244
F +82 2 511 2235

Americas
Irvine Office
Intellian Technologies USA, Inc.
T +1 949 727 4498
F +1 949 271 4183
Toll Free +1 888-201-9223

EMEA
Rotterdam Office
Intellian B.V.
T +31 1 0820 8655
F +31 1 0820 8656