

# TURN ON THE TV

Every time you step on board your boat, it's prime time. Make the most of it with Intellian. There's nothing like watching a movie with the kids after a big day on the water. Or cheering on the home team after chasing tuna all day. Intellian antenna systems are easy to install and use, and perform reliably in all sea conditions. When you want to turn on the TV, turn to Intellian.

## INTELLIAN TECHNOLOGY

### Tune in to Your World of News, Sports and Entertainment

Whether you're navigating the world's oceans or staying close to home, you'll find an Intellian satellite TV antenna to meet your needs



### PERFORMANCE YOU CAN'T GET FROM ANY OTHER ANTENNA

Intellian makes the world's most versatile 2-axis marine satellite TV antennas. Ranging in size from 13 to 24 inches, these antennas will provide reliable TV reception for boats as small as 20 feet all the way up to the most luxurious yachts. More importantly perhaps, only Intellian offers exclusive – and patented – technologies that make watching TV onboard easier and more enjoyable than you might imagine.



#### WRS® Wide Range Search

It's not easy finding a satellite that's 22,000 miles away, but thanks to our advanced WRS® programming, an Intellian dish will search over a wider range and lock on to a signal in seconds – four or five times faster than other models.

#### DBT® Dynamic Beam Tilting

Holding on to that signal while underway or when the boat moves is another reason to choose Intellian. DBT® relies on a sub-reflector that rotates at 3000 rpm instead of rate sensors. The dish responds more quickly and tracking performance is greatly enhanced – even in the roughest conditions.

#### HDTV Reception

Every Intellian TVRO antenna is capable of receiving Standard (SD) and High Definition (HD) programming from DISH Network, Bell TV and other providers. As for DIRECTV subscribers, s6HD can receive Ku-band and Ka-band signals from all three DIRECTV satellites simultaneously. This provides continual access to all DIRECTV programming, including all Standard (SD) and High Definition (HD) channels.

#### International Options

Intellian offers several options for vessels that travel in international waters. The All Americas LNB processes signals from all North and South American satellite services and the WorldView™ LNB will handle signals so you can enjoy programming from any of the world's satellite TV providers without the hassle of manually switching hardware.

## i - Series

The most versatile Ku-Band satellite antenna family in the industry



#### Intellian i2

Despite its compact size, the i2 delivers exceptional TV reception. With its extended elevation range of 10° to 80°, the i2 is designed to find and hold the satellite signal, even in more extreme latitudes. You'll enjoy navigating even further North or South without worry of reception loss!

Dish Diameter	Antenna Weight	RF Outputs (LNB Polarization)	Elevation Range	Minimum EIRP
33 cm (13")	4.5 kg (9.5 lbs)	Dual: Circular / Linear	+10° to +80°	51 dBW



#### Intellian i3

The i3's exceptionally high signal gain makes it the best performing 37 cm (15") antenna for seamless satellite TV viewing in the Americas and Europe, as well as for a number of other regional service areas located throughout the world. User-friendly interface allows for easy installation and operation.

Dish Diameter	Antenna Weight	RF Outputs (LNB Polarization)	Elevation Range	Minimum EIRP
37 cm (15")	9 kg (19.8 lbs)	Dual: Circular / Linear	+10° to +80°	50 dBW



#### Intellian i4

Power, efficiency and economy make the i4 the most popular 45 cm (18") dish system for fishing boats, workboats, pleasure boats, and Coast Guard vessels approximately 35'-60' in length. Compatible with a variety of worldwide service providers.

Also available: **i4P** (with added Automatic Skew Control)

Dish Diameter	Antenna Weight	RF Outputs (LNB Polarization)	Elevation Range	Minimum EIRP
45 cm (18")	11.6 kg (25.5 lbs)	Dual / Quad: Circular / Linear	0° to +90°	49 dBW



#### Intellian i6

Intellian's best-selling system, the i6 is recognized for its commercial-grade build and exceptionally strong signal gain. Great for worldwide satellite coverage, the i6 is ideal for commercial vessels and yachts over 70 feet.

Also available: **i6P** (with Automatic Skew Control), **i6PE** (with Automatic Skew Control and extended elevation range).

Model	Dish Diameter	Antenna Weight	RF Outputs (LNB Polarization)	Elevation Range	Minimum EIRP
i6 / i6P	60 cm (24")	i6: 20 kg (44 lbs) i6P: 22 kg (49 lbs)	Dual / Quad: Circular / Linear	+5° to +90°	47 dBW
i6PE	60 cm (24")	20 kg (44 lbs)	Circular / Linear	-15° to +90°	47 dBW



#### Intellian i9P

With powerful and reliable satellite TV reception, this antenna is designed for service aboard the world's megayachts and commercial vessels over 80 feet.

Dish Diameter	Antenna Weight	RF Outputs (LNB Polarization)	Elevation Range	Minimum EIRP
85 cm (34")	55 kg (121.2 lbs)	Quad: Circular / Linear	-15° to +90°	44 dBW

## t - Series

3-axis stabilization for unrivaled satellite performance at sea



### t-Series Overview

Ideal for larger offshore vessels, megayachts and commercial ships, Intellian's t-Series family of antennas features a groundbreaking 3-axis marine stabilized design that makes it well suited for virtually any and all oceanic regions throughout the world.

All t-Series satellite TV antennas provide outstanding coverage range that outperforms other systems in this class. Key features include a wide elevation range and high signal Gain, as well as Intellian's patented WRS® and DBT® technologies, providing users with the best reception possible even when traveling in regions notorious for difficult reception (such as near the equator or in far Northern and Southern seas). Intellian's standard model ACU is equipped with a preloaded Global satellite library and a fail-safe back-up.

### t-Series Key Features

- Highly efficient, fully automated 3-axis stabilized platform
- Proven mechanical design of the highest simplicity and reliability
- Easy installation and maintenance with fewer cables and accessories
- Wide elevation range
- Automatic LNB pol-angle control system
- High-Gain design
- Incorporates Intellian's most well-known patents, WRS® and DBT®
- Compatible with major TV services around the globe
- 19-inch rack-mount type ACU (Antenna Control Unit)
- Built-in global satellite library
- Built-in GPS and NMEA 0183 interface
- Built-in gyrocompass interface



#### Intellian t80

Providing smaller offshore vessels with reliable satellite TV reception, Intellian is proud to add the t80 to its line of t-Series antennas. With its 85 cm (34") dish and 3-axis stabilization system, the t80 delivers Ku-band reception around the globe, in all kinds of sea and weather conditions. Incorporating Intellian's exclusive WRS® and DBT® technologies, the t80 will quickly locate and track signals from any of the world's TV satellite providers.

Dish Diameter	Antenna Weight	RF Outputs (LNB Polarization)	Elevation Range	Minimum EIRP
85 cm (34")	81 kg (179.2 lbs)	Quad: Circular / Linear	-15° to +110°	44 dBW



#### Intellian t110

With its 1.05 m (42") dish, Intellian's t110 provides crystal clear digital images and CD-quality sound. Built-in proprietary and industry standard technology expand this systems functionality and performance.

Dish Diameter	Antenna Weight	RF Outputs (LNB Polarization)	Elevation Range	Minimum EIRP
1.05 m (42")	90 kg (198 lbs)	Quad: Circular / Linear	-15° to +120°	42 dBW



#### Intellian t130

The t130, with its larger dish diameter of 1.25 m (50"), exceptional coverage and fine tuning capabilities, is well suited for vessels that travel deep water and remote locations on a regular basis.

Dish Diameter	Antenna Weight	RF Outputs (LNB Polarization)	Elevation Range	Minimum EIRP
1.25 m (50")	116 kg (256 lbs)	Quad: Circular / Linear	-15° to +120°	40 dBW

### Worldwide Dealer and Support Network

Wherever you are and regardless of where our product was purchased, our support network is within your reach. Intellian's global presence includes over 300 dealers in 6 continents and 60 countries. Support is available from our technical team online, through email or by phone.

### Industry's Best Warranty

Intellian 2-axis i-Series and s6HD Satellite TV antenna system products are guaranteed for quality and warranted by Intellian against defects in parts and workmanship for 3-years parts and 1-year labor on Intellian i-Series on a return to base basis.

For 3-axis TVRO and VSAT systems a 2 year parts and workmanship guarantee with 1 year labor warranty is given when installed by a certified dealer and/or an Intellian Technician

# Intellian®

Call 888-201-9223 or click [intelliantech.com](http://intelliantech.com) for more info or to find a dealer near you.

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Additional information, specifications and interactive product tours available online at [www.intelliantech.com](http://www.intelliantech.com)

Product specifications subject to change without notice



Part No. 2012satelliteTV-Pwr0207-V1-1



## w - Series

### Global Satellite TV Service Reception Ku-band Marine Satellite Antenna



### w-Series Overview

The w-Series Ku-band TVRO antenna systems offer vessel owners and crew worldwide satellite coverage via Intellian's exclusive WorldView™ LNB Module, delivering hands-free satellite search without the need to manually change the LNB component inside the radome or reconfigure complex systems. Built with the precise pioneering technology of  $\pm 10$  kHz stability, the WorldView™ LNB has 100 times more accuracy and greater signal sensitivity than other LNB.

Intellian's w-Series antenna systems receive global satellite services from the Americas (circular polarized), as well as Europe, the Middle East and the Asia Pacific Region (linear polarized) with one LNB module. Forward looking design features offer several additional innovative technologies that set these TVRO Antenna systems apart from the competition.

### w-Series Key Features

- DVB-S2 decode capability – making the w-Series TVRO systems capable of receiving next generation DVB-S2 satellite TV services when they are available.
- Intellian's Dynamic Beam Tilting (DBT®) and exclusive Wide Range Search (WRS®) algorithm continuously measures the satellite's position, maintains the strongest signal and tracks faster and more accurately.
- Pre-programmed global satellite library - Allows boaters to select the desired satellite while travelling from region to region.
- Built-in GPS and NMEA 0183 interface.
- Automatic skew angle and pol control system.

### t80W / t110W / t130W

Intellian's t80W, t110W and t130W are ideally sited to meet the needs of larger yachts and commercial vessels 80' and up. With 3-axis stabilization, broad elevation range and unlimited azimuth with no cable un-wrap, these antennas are capable of reception even when operating near the equator or in Polar Regions. They have been designed, manufactured and tested to withstand the most rugged sea and weather conditions.

### i6W / i9W

Mariners requiring a more compact antenna solution on smaller transoceanic vessels will appreciate the size and performance of Intellian's i6W and i9W antenna systems. Like their larger counterparts, these 2-axis antennas feature Intellian's WorldView™ LNB for global satellite TV reception without requiring multiple LNB and hardware changes.



### WorldView™ LNB

**The key to multi-band, multi-polarization reception around the globe**

Enjoy uninterrupted reception of satellite TV programming virtually anywhere you go with the **Intellian WorldView™ LNB**. With the ability to receive multi-band and multi-polarization satellite TV services around the globe, boaters no longer need to manually switch out the LNB inside the antenna dome when the vessel crosses into a different satellite TV service region.

## s6HD

### America's Top Marine Satellite TV System Watch All 3 Primary DIRECTV Satellites at Once

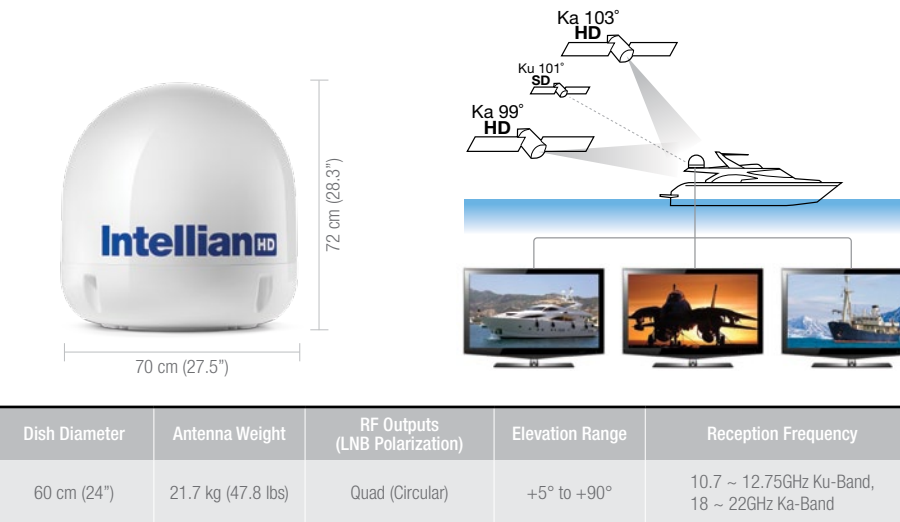


### s6HD Key Overview

The s6HD, with its unique triple feedhorn, is designed to receive Ku-band and Ka-band signals from all three DIRECTV satellites simultaneously. This provides continual access to all DIRECTV programming, including all standard and high-definition channels.

Because the antenna can process all three signals at the same time, you won't experience any delay when switching channels. Further, multiple television sets onboard will be able to tune in to any program, independent of what other sets might be watching. (The standard s6HD system will support up to 16 receivers – and is expandable to 32 receivers.)

This breakthrough technology means that you can watch TV onboard or at sea just like when you're at home.



## TVRO LNB OPTION

A full range of satellite TV LNB components to ensure you never miss a beat, wherever you go.



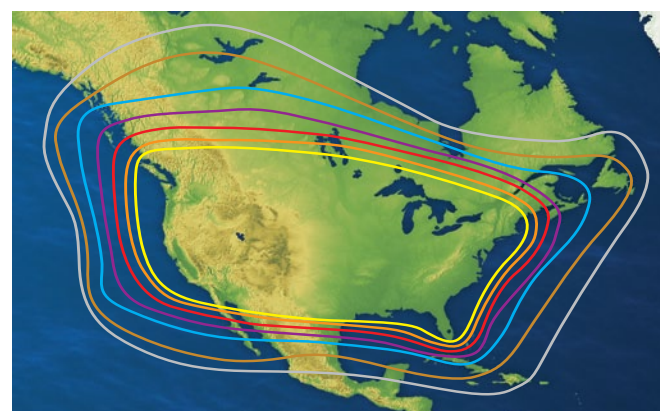
### LNB Overview

With Intellian LNBs you can explore and enjoy satellite television programming as freely as you explore and enjoy the open waters without boundaries and limitations. Intellian LNBs come in a variety of geographic-specific models, allowing you to tune into available regional satellite signals and programming with ease and convenience.

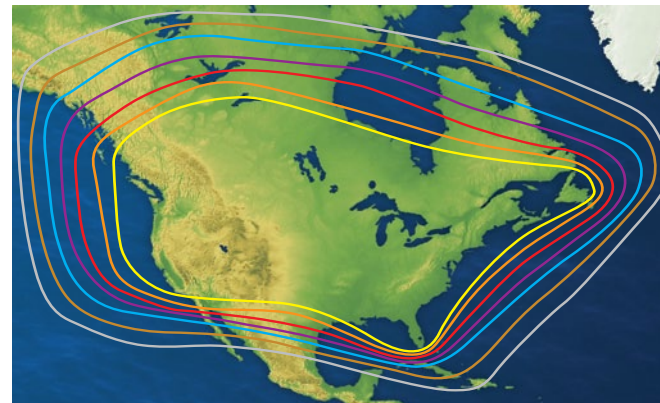
### t&i Series LNB Options

Part No.	Model Description
S2-0801	Universal Dual LNB (2 ports)
S2-0802	Universal Quad LNB (4 ports) Requires extra cables in antenna, if converting from US system
S2-0803	Australia, New Zealand, Asian LNB (11.3GHz, 2 ports)
S2-0804	Korean LNB (10.75GHz, 1 port)
S2-0805	Japan LNB (10.678GHz, 2 ports)
S2-0806	DLA / Latin LNB (10.5GHz, 2 ports)
S2-0808	North American LNB (11.25GHz, 2 ports)
S2-0818	Russian LNB (10.75GHz, 2 ports)
S2-D813	All-Americas LNB (10.5 ~ 11.25GHz, 2 ports)
S2-6814	LNB for Intellian s6HD (Ku/Ka Dual band)
S2-0817	WorldView LNB for w-Series

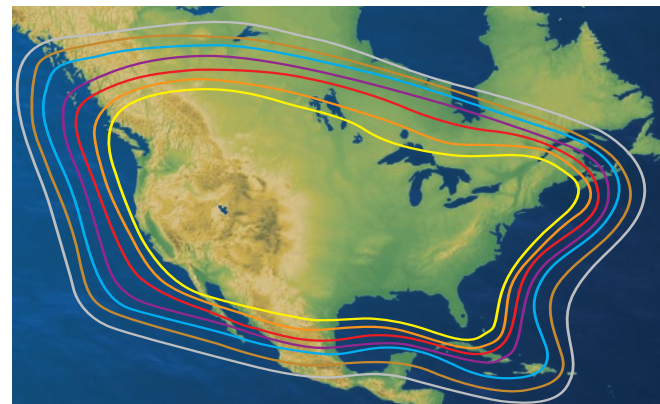
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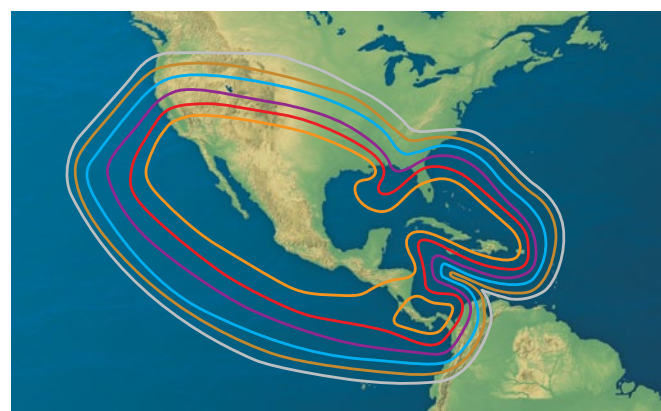
**DISH Network North America**  
Provided by: Dish Network <http://www.dishnetwork.com>



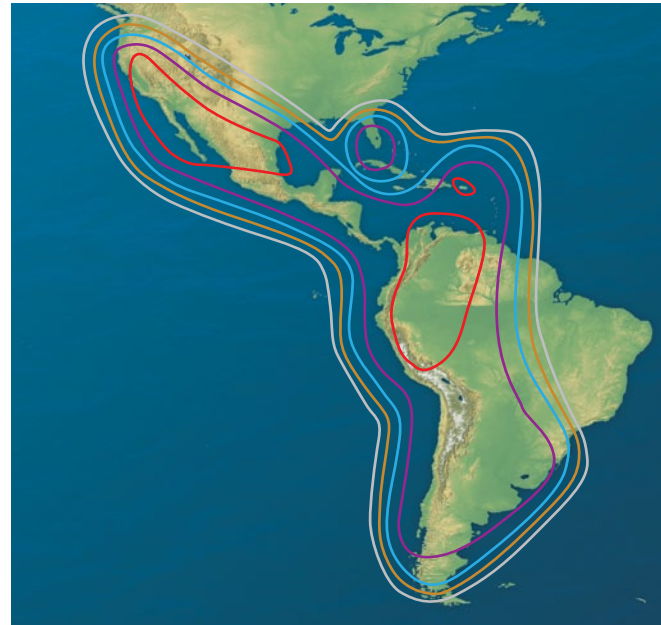
**Express Vu Canada**  
Provided by: Bell Canada <http://www.bell.ca>



**DIRECTV North America**  
Provided by: DirecTV <http://www.directv.com>



**Sky Mexico**  
Provided by: Sky Mexico [www.sky.com.mx](http://www.sky.com.mx)



**DirecTV Latin America**  
Provided by: DirecTV <http://www.directv.com>

KEY	Antenna Dish Size	Product	EIRP
—	125cm (49.2")	t130/ t130W	40 dBW
—	105cm (41.3")	t110/ t110W	42 dBW
—	85cm (33.5")	t80/ t80W/ i9P/ i9W	44 dBW
—	60cm (23.6")	i6/ i6P/ i6PE/ i6W	47 dBW
—	45cm (17.7")	i4/ i4P	49 dBW
—	37cm (14.6")	i3	50 dBW
—	33cm (13.0")	i2	51 dBW

## SPECIFICATIONS

Model	i2	i3	i4	i4P	i6	i6P	i6PE	i6W
Axis	2-axis	2-axis	2-axis	2-axis	2-axis	2-axis	2-axis	2-axis
Dish Diameter	33 cm (13")	37 cm (14.6")	45 cm (17.7")	45 cm (17.7")	60 cm (24")	60 cm (24")	60 cm (24")	60 cm (24")
Dome Dimension (WxH)	37 cm x 38 cm (14.6" x 15")	43 cm x 44 cm (16.9" x 17.3")	50 cm x 54 cm (19.7" x 21.3")	50 cm x 54 cm (19.7" x 21.3")	70 cm x 72 cm (27.5" x 28.3")	70 cm x 72 cm (27.5" x 28.3")	70 cm x 75.4 cm (27.5" x 29.7")	70 cm x 72 cm (27.5" x 28.3")
Antenna Weight	4.5 kg (9.5 lbs)	9 kg (19.8 lbs)	25.5 lbs (11.6 kg)	25.5 lbs (11.6 kg)	20 kg (44 lbs)	22 kg (49 lbs)	20 kg (44 lbs)	21 kg (46.3 lbs)
Minimum EIRP	51 dBW	50 dBW	49 dBW	49 dBW	47 dBW	47 dBW	47 dBW	47 dBW
Built-in GPS		•	•	•	•	•	•	•
Automatic Satellite Switching(TriStat™)	•	•	•	•	•	•	•	•
Automatic LNB Skew Control								
Elevation Range	+10° to +80°	+10° to +80°	0° to +90°	0° to +90°	+5° to +90°	+5° to +90°	-15° to +90°	+5° to +90°
RF Outputs (LNB Polarization)	Dual: Circular / Linear	Dual: Circular / Linear	Dual / Quad: Circular / Linear	Dual / Quad: Circular / Linear	Dual / Quad: Circular / Linear	Dual / Quad: Circular / Linear	Dual / Quad: Circular / Linear	Quad: Circular / Linear

Model	i9P	i9W	t80	t80W	t110	t110W	t130	t130W
Axis	2-axis	2-axis	3-axis	3-axis	3-axis	3-axis	3-axis	3-axis
Dish Diameter	85 cm (34")	85 cm (34")	85 cm (34")	85 cm (34")	105 cm (41.3")	105 cm (41.3")	125 cm (49.2")	125 cm (49.2")
Dome Dimension (WxH)	113 cm x 114 cm (44.5" x 44.9")	113 cm x 114 cm (44.5" x 44.9")	113 cm x 114 cm (44.5" x 44.9")	113 cm x 114 cm (44.5" x 44.9")	133 cm x 142 cm (52.4" x 56")	133 cm x 142 cm (52.4" x 56")	165 cm x 169 cm (65" x 66.5")	165 cm x 169 cm (65" x 66.5")
Antenna Weight	55 kg (121.2 lbs)	56 kg (123.4 lbs)	81.2 kg (179 lbs)	82.2 kg (181.2 lbs)	90 kg (198 lbs)	91 kg (201 lbs)	116 kg (256 lbs)	117 kg (258 lbs)
Minimum EIRP	44 dBW	44 dBW	44 dBW	44 dBW	42 dBW	42 dBW	40 dBW	40 dBW
Built-in GPS	•	•	•	•	•	•	•	•
Automatic Satellite Switching(TriStat™)	•	•	•	•	•	•	•	•
Automatic LNB Skew Control	•	•	•	•	•	•	•	•
Elevation Range	-15° to +90°	-15° to +90°	-15° to +110°	-15° to +110°	-15° to +120°	-15° to +120°	-15° to +120°	-15° to +120°
RF Outputs (LNB Polarization)	Quad: Circular / Linear	Quad: Circular / Linear	Quad: Circular / Linear	Quad: Circular / Linear	Quad: Circular / Linear	Quad: Circular / Linear	Quad: Circular / Linear	Quad: Circular / Linear

Model	s6HD
Axis	2-axis
Dish Diameter	60 cm (24")
Dome Dimension (WxH)	70 cm x 72 cm (27.5" x 28.3")
Antenna Weight	21.7 kg (47.8 lbs)
Minimum EIRP	47 dBW
Built-in GPS	•
Automatic Satellite Switching(TriStat™)	•
Automatic LNB Skew Control	•
Elevation Range	+5° to +90°
RF Outputs (LNB Polarization)	Quad: Circular



# Intellian®

## Satellite TV

Photo: Vasco Buonpensiere



Intellian offers a complete range of advanced TV and communications satellite antennas for recreational and commercial vessels.  
[www.intelliantech.com](http://www.intelliantech.com)