

Intellian WorldView™ LNB

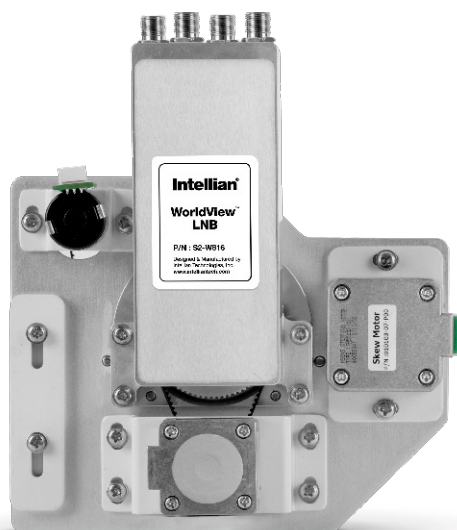
Intellian WorldView™ LNB is designed with ground-breaking, patent-pending technology that receives multi-band and multi-polarization Ku-band satellite TV services around the globe. Boaters are no longer required to manually switch out the LNB inside the antenna dome or re-wire the system when the vessel travels from region to region.

Intellian has made a significant advance in TVRO antenna technology which provides boaters with seamless and uninterrupted satellite TV service across multiple coverage areas and service providers. This solution is cost effective, convenient, and simple to use globally regardless of the polarization in one LNB module. No longer will boaters need manually switch from a circular polarized LNB in the Americas to a linear polarized LNB in Europe, South America, Middle East or Asia.

Built with precise pioneering technology of +25 kHz (2.5ppm) stability, the WorldView™ LNB has been approved by Intellian's rigorous and extensive inhouse testing program to guarantee exceptional accuracy and ensure that the WorldView™ LNB offers superior performance and long term reliability compared to any other LNB on the market.

The WorldView™ LNB includes an auto skew control system and is fine tuned for the Intellian Ku-band TVRO product line to enhance overall system performance.

The WorldView™ LNB is the standard option for all t-Series and the s-Series s80HD and s100HD antennas.



Technical Specifications

Reception Frequency	Universal Mode : Linear
	10.70~11.70 GHz – Low Band / 11.70~12.75 GHz – High Band
Output Frequency	Single Mode : Linear / Circular
	11.45~12.75 GHz
Noise Figure	Universal Mode
	950~1950 MHz – Low Band / 1100~2150 MHz – High Band
Conversion Gain	Single Mode
	950 ~ 1750 MHz
Gain Flatness	±5 dBp-p Max.
Gain Ripple	±1.0 dB Max. @ per channel
Between Pol. Isolation	20 dB min.
L.O. Frequency	Universal Mode
	9.75 GHz – Low Band / 10.60 GHz – High Band
L.O. Frequency Stability	Single Mode
	10.5/10.678/10.7/10.75/10.8/11.0/11.05/11.2/11.25/11.3GHz
L.O. Phase Noise	±25 kHz (Max.) over temp / ±1.0 MHz (Max.) @ 9.75GHz
	-70 dBc/Hz @ 1 KHz -80 dBc/Hz @ 10 KHz -95 dBc/Hz @ 100 KHz -110dBc/Hz @ 1 MHz -115 dBc/Hz @ 10 MHz
Leakage	-60 dBm Max. @ input port
1dB Gain Compression Point	0 dBm min.
Image Rejection	40 dB min.
Output Impedance	75 Ω (F type female)
Input VSWR	2.5 : 1 Typ.
Output VSWR	2.0 : 1 Typ.
DC Current Consumption	Total 540 mA Typ., 270mA (RF1,RF2 Port)
Polarity Switching Voltage	11.5 ~ 14.0 V @ VP
	16.0 ~ 21.0 V @ HP
Relative Humidity	0% ~ 95% RH
Input Waveguide Flange	WR-75
Operating Temperature Range	-30°C ~ +60°C
Storage Temperature Range	-40°C ~ +80°C
Weight	375g

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