

Intellian® WorldView™ LNB

Intellian® WorldView™ LNB is the 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 offering cost-effective solutions and straightforward, simple operation from the Americas (circular polarized), as well as Europe, the Middle East and the Asia Pacific region (linear polarized) with one LNB module.

Built with precise pioneering technology of +25 kHz (2.5ppm) stability, the WorldView™ LNB has been tested 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 is fine tuned for the Intellian Ku-band TVRO product line to enhance overall system performance.

The WorldView™ LNB is the default option for all Intellian w-Series 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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