

Z-Balun

UNVX / UNVXS

Product Specifications



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Product Description

The **Z-Balun UNVX** addresses the needs of customers whose video distribution technologies require a bi-directional RF return path for VOD systems and Set Top Boxes from CATV providers while preserving all the standard functionality of the **Z-Balun UNV**. With the embedded **diplexer**, the RF-OUT coax connector serves as both an output for *downstream* RF content to the TV or tuner while simultaneously functioning as an input for upstream content. The **Z-Balun UNVXS** maintains this functionality while providing a specific frequency split for unique applications. The ZBT-IN jack is connected to the Z-Band Distribution unit through the infrastructure over CAT6 cable. This provides both RF and ethernet connectivity along with the additional functionality of an RF return path back to the Z-Band Distribution unit, all over a single cable.

Features & Benefits

- ✓ Signal conditioning is automatic by default, with manual override available for customized applications.
- ✓ Provides a unique identification signature to a *Z-Distribution unit* for port activation.
- ✓ Compatible with HD860, 1000, ZREG of Z-Band units. ⁽¹⁾
- ✓ With the optional server-based web GUI (**ZHC-Insight**), users can remotely change the signal conditioning parameters, send RS232 commands to TVs, power off, and check balun connectivity and serial numbers/locations. ⁽²⁾

Part #	ZBT0010219 (X) / ZBT0010229 (XS)
Physical Description	Weight: Approximately 4 ounces Size: 4.1" L x 2.3" W x 0.95" H. Connectors: Front: F-Connector; RJ-45 Jacks; 3.5mm Jacks Back: Reset/Manual button (A); 4 LED distance indicators
Power	8 VDC at ½ watt supplied remotely on RJ 45 pins 7&8 via Z-Distribution unit (no local power required)
Electrical Radio Frequency	Forward: 54 MHz to 860 MHz (UNVX); 49 MHz to 860 MHz (UNVXS) on pins 7 & 8 Amplitude: Provides an output between -10 and +15 dBmV. Return Path: 5 MHz to 42 MHz (UNVX); 5 MHz to 38 MHz (UNVXS) on pins 4 & 5 ⁽³⁾
Environment	Operating Temperature: 0 - 55°C; Relative Humidity: 5 - 95% Storage Temperature: -40 - 70°C
Agency Standards	FCC Part 15, Subpart B Compliant

(1) Features and functionality may vary between generations.

(2) RS232 options are only available on the ZHC generation of hardware

(3) Various return path technologies require different frequency splits. Please discuss system requirements with a Z-Band representative.

IR Out: Not supported (port not active)