

Z-Balun UNV



The **Z-Balun UNV** is one of the essential components of Z-Band's video distribution system. It is located at the end points of the system and permits a TV or other devices with an RF Tuner to be connected to a Z-Band system for HDTV over CAT6 or better cable. The **Z-Balun UNV** calculates the approximate distance from the Z-Band Distribution unit, then applies an appropriate balance of signal conditioning to ensure the correct amplitude from the RF-OUT F-connector jack. 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 in addition to RS232 and IR controls all over a single cable.



Features & Benefits

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

Part #	ZBT0010216
Physical Description	Weight: Approximately 8 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 (pins 7 & 8) Amplitude: Provides an output between -10 and +15 dBmV.
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) IR and RS232 options are only available on the ZHC generation of hardware