

The Intelix AVO-V2A2-WP wall-plate balun transmits two composite video signals (or one Y/C video signal) and two analog audio signals up to 2,200 feet over standard structured cabling, such as Cat 5. Used in pairs or with the rack-mountable Intelix AVO-V2A2 balun, AVO-V2A2-WP baluns replace bulky coaxial cable and utilize a building's existing structured cabling network.

The Intelix **AvoCat** Series of baluns is the ideal solution for sending audio and video over structured cabling. **When signal quality matters, choose Intelix.**



Technical Specifications

Maximum Distance*	2,200 feet	Connectors	Four (4) female RCA to one (1) RJ45
Maximum Input	1.1 Vp-p	RJ45 Pinout	Video 1: 7 & 8, pair 4 Video 2: 4 & 5, pair 1 Channel 1 (R): 1 & 2, pair 2 Channel 2 (L): 3 & 6, pair 3
Bandwidth (video)	DC to 8 MHz	Temperature	Operating: 32 to 131 F (0 to 55 C) Storage: -4 to 185 F (-20 to 85 C) Humidity: up to 95%
Bandwidth (audio)	20 Hz to 20 kHz	Enclosure	Front: standard decora wall plate Rear: metal casing
Impedance (video)	75 ohms	Dimensions	4.0" x 1.4" x 1.7"
Impedance (audio)	600 ohms	Weight	0.2 lbs (3.2 oz)
Insertion Loss	Less than 2 dB over the frequency range	Ordering Information	<i>AVO-V2A2-WP</i> : single AVO-V2A2-WP in bulk packaging
Return Loss	Greater than 15 dB over the frequency range	Warranty	Two years
Common Mode Rejection	Greater than 40 dB over the frequency range		
Unshielded Twisted Pair Cabling Specifications (24 gauge or lower solid copper)	Maximum capacitance: 20 pf/foot Impedance: 100 ohms @ 1 MHz Attenuation: 6.6 dB/1000 ft. @ 1 MHz <i>Cat 5, Cat 5e, Cat 6, Cat 7 compatible</i>		

*Distances and picture quality may be affected by cable grade, cable quality, source and destination equipment, RF and electrical interference, and cable patches. Intelix specifications are based on straight-through cabling with standard-grade Cat 5.



Example System: One Intelix AVO-V2A2-WP wall-plate balun and one rack-mountable Intelix AVO-V2A2 balun connect a DVD player to a remote plasma and audio receiver. Audio and video from the DVD player is balanced by the source balun, transmitted over the Cat 5 cabling, and then unbalanced by the receive balun.

