

The Intelix AVO-V3AD-WP wall-plate balun transmits one high-definition (HDTV) component video (YPbPr or RGB) signal and one digital audio signal up to 1,000 feet over inexpensive structured cabling, such as Cat 5. Used in pairs or with the rack-mountable Intelix AVO-V3AD balun, the AVO-V3AD-WP is ideal in residential, corporate, educational, and hospitality environments.

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*	Digital audio only: 600 feet 480i/p video only: 1,000 feet 480i/p video with digital audio: 600 feet 720p video only: 500 feet 720p video with digital audio: 500 feet 1080i/p video only: 500 feet 1080i/p video with digital audio: 500 feet	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>
Maximum Input	1.1 Vp-p	Connectors	Four (4) gold-plated female RCA to one (1) RJ45
Bandwidth (video)	60 MHz, 3 dB roll off	RJ45 Pinout	Red (Pr): 7 & 8, pair 4 Green (Y): 3 & 6, pair 3 Blue (Pb): 1 & 2, pair 2 Digital Audio: 4 & 5, pair 1
Bandwidth (audio)	25 MHz, 1 dB roll off	Temperature	Operating: 32 to 131 F (0 to 55 C) Storage: -4 to 185 F (-20 to 85 C) Humidity: up to 95%
Impedance	75 ohms at 1 MHz	Enclosure	Front: standard decora wall plate Rear: metal casing
Insertion Loss (video)	.1 dB for 0.1 MHz. <i>Gradually increasing to 2.5 dB over the frequency range</i>	Dimensions	4.0" x 1.4" x 1.7"
Insertion Loss (audio)	Less than 1 dB over the frequency range	Weight	0.2 lbs (3.2 oz)
Return Loss (video)	Greater than 15 dB over the frequency range	Ordering Information	<i>AVO-V3AD-WP</i> : single AVO-V3AD-WP in bulk packaging
Return Loss (audio)	Greater than 15 dB over the frequency range	Warranty	Two years
Common Mode Rejection	-55 dB at 0.1 MHz. <i>Gradually increasing to -20 dB at 60 MHz</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: An AVO-V3AD-WP wall-plate balun and an Intelix AVO-V3AD rack-mountable balun transmit audio and video from a satellite receiver to a remote plasma and audio receiver over standard Cat 5 cabling.

