



The Intelix AVO-V3AD component video and digital audio balun transmits one high-definition (HDTV) component video (YPbPr or RGB) signal and one digital audio signal up to 1000 feet over inexpensive Cat 5 cabling.

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 gold-plated female RCA
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	Black plastic
Insertion Loss (video)	.1 dB for 0.1 MHz. <i>Gradually increasing to 2.5 dB over the frequency range</i>	Dimensions	4.3" x 2.5" x 1"
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</i> : single AVO-V3AD in bulk packaging <i>AVO-V3AD-PAC</i> : two AVO-V3AD baluns in retail-ready 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.

AvoCat
Series

AVOVERCAT5.COM

System Example: Two AVO-V3AD baluns transmit high-definition component video and digital audio from a satellite receiver to a remote plasma and audio receiver over standard Cat 5 cabling.

