

## AVO-V3AD-F Technical Specification

Component Video and Digital Audio Twisted Pair Extender

Rev. 130208

The Intelix AVO-V3AD-F component video and digital audio balun transmits one high-definition component video (YPbPr or RGB) signal and one digital audio signal up to 1000 feet over inexpensive Cat 5e cabling. Used in pairs, AVO-V3AD-F baluns replace bulky coaxial cable and utilize a building's existing structured cabling system.



Technical Specifications	
<b>I/O Connections</b>	
Video	One (1) RCA per channel
Audio	One (1) RCA
Twisted Pair	One (1) 8P8C port (RJ45)
<b>Supported Audio and Video</b>	
Maximum Distance via Cat 5e	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
RJ45 Pin Configuration	Pins 1 and 2: Blue (Pb) Pins 3 and 6: Green (Y) Pins 4 and 5: Digital Audio Pins 7 and 8: Red (Pr)
Video Bandwidth	60 MHz, 3 dB roll off
Impedance (Video)	75 ohms
Maximum Input Level (Video)	1.1 Vp-p
Insertion Loss (Video)	0.1 dB for 0.1 MHz (increases to 2.5 dB over the frequency range)
Return Loss (Video)	Greater than 15 dB
Common Mode Rejection (Video)	-55 dB at 0.1 MHz -20 dB at 60 MHz
Impedance (Audio)	75 ohms
Nominal Level (Audio)	1.0 volts
Insertion Loss (Audio)	<1 dB
Return Loss (Audio)	Greater than 15 dB
<b>Chassis and Environmental</b>	
Enclosure	Black ABS plastic
Dimensions (without connectors)	99 mm x 64 mm x 23 mm (3.9 in. x 2.5 in. x 0.9 in.)
Dimensions (with connectors)	106 mm x 64 mm x 23 mm (4.2 in. x 2.5 in. x 0.9 in.)
Shipping Weight	0.19 kg (0.41 lbs)
Operating Temperature (Environment)	0° to +40° C (+32° to +104° F)
Operating Humidity (Environment)	20% to 90%, Non-condensing
Storage Temperature (Environment)	-10° to +60° C (+14° to +140° F)
<b>Other</b>	
Regulatory	RoHS
Standard Warranty	2 Years
Included Accessories	Installation Guide
Compatible Products	AVO-V3AD-WP-F, AVO-V3AD-WP110, AVO-V3HD-F (video only), AVO-V3PT-F (video only)
Mounting Solution	AVO-CLIP-F

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 5e unless noted otherwise.