

AVO-V3AD-WP110 Technical Specification

Component Video and Digital Audio Twisted Pair Wall Plate Extender

Rev. 130116

The Intelix AVO-V3AD-WP110 wall plate balun transmits one component video and one digital audio signal over standard unshielded twisted pair cabling, such as Cat 5e or Cat 6. Used in pairs or with a compatible Intelix balun, the AVO-V3AD-WP110 transmits signals up to 500 feet and is ideal for corporate A/V, churches, schools, auditoriums, and almost any other situation involving audio/video distribution.

The AVO-V3AD-WP110 features four female RCA connectors on the front and a 110 punch-down termination on the rear. The unit includes a 110 termination tool.



Technical Specifications	
I/O Connections	
Video	One (1) RCA per channel
Audio	One (1) RCA
Twisted Pair	Two (2) Four-conductor 110 blocks
Supported Audio and Video	
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
110 Block 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
Chassis and Environmental	
Enclosure	Galvanized Steel
Dimensions	51 mm x 38 mm x 32 mm (2 in. x 1.5 in. x 1.25 in.)
Shipping Weight	0.26 kg (0.57 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)
Other	
Regulatory	RoHS
Standard Warranty	2 Years
Included Accessories	Decora insert, Mounting Screws, 110 Punch Tool, Installation Guide
Compatible Products	AVO-V3AD-F, AVO-V3AD-WP-F, AVO-V3HD-F (video only), AVO-V3PT-F (video only)

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.