

AVO-V3AD-WP-F Technical Specification

Component Video and Digital Audio Twisted Pair Wall Plate Extender

Rev. 130115

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



Technical Specifications	
I/O Connections	
Video	One (1) RCA per channel
Audio	One (1) RCA
Twisted Pair	One (1) 8P8C port (RJ45)
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
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
Chassis and Environmental	
Enclosure	Galvanized Steel
Dimensions	102 mm x 36 mm x 43 mm (4 in. x 1.4 in. x 1.7 in.)
Shipping Weight	0.23 kg (0.50 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, Installation Guide
Compatible Products	AVO-V3AD-F, AVO-V3AD-WP110, 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.