

## AVO-V1A2-F Technical Specification

One Channel Composite Video and Two Channel Audio Twisted Pair Extender

Rev. 130208

The Intelix AVO-V1A2-F wall plate balun transmits a composite video signal and two analog audio signals up to 2,200 feet over standard structured cabling, such as Cat 5e. Used in pairs or with the AVO-V1A2-WP-F, AVO-V1A2-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) Female BNC
Audio	One (1) RCA per channel
Twisted Pair	One (1) 8P8C port (RJ45)
<b>Supported Audio and Video</b>	
Maximum Distance via Cat 5e	2200 ft.
RJ45 Pin Configuration	Pins 1 and 2: Audio 1 Pins 3 and 6: Audio 2 Pins 7 and 8: Video 1
Video Bandwidth	DC to 8 MHz
Impedance (Video)	75 ohms
Maximum Input Level (Video)	1.1 Vp-p
Insertion Loss (Video)	Less than 2 dB
Return Loss (Video)	Greater than 15 dB
Common Mode Rejection (Video)	Greater than 40 dB
Audio Frequency Response	20 Hz to 20 kHz
Impedance (Audio)	600 ohms, unbalanced
Audio Transformer Isolation	500V
Nominal Level (Audio)	1.0 volts
Insertion Loss (Audio)	1 dB
Common Mode Rejection (Audio)	Greater than 40 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)	111 mm x 64 mm x 23 mm (4.4 in. x 2.5 in. x 0.9 in.)
Shipping Weight	0.22 kg (0.47 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-V1A2-WP-F, AVO-V1A2-WP110
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.