

## 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<br>480i/p video only: 1,000 feet<br>480i/p video with digital audio: 600 feet<br>720p video only: 500 feet<br>720p video with digital audio: 500 feet<br>1080i/p video only: 500 feet<br>1080i/p video with digital audio: 500 feet |
| RJ45 Pin Configuration              | Pins 1 and 2: Blue (Pb)<br>Pins 3 and 6: Green (Y)<br>Pins 4 and 5: Digital Audio<br>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<br>-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.