

## 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<br>Pins 3 and 6: Audio 2<br>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.