

Audio / Video Distribution

Via Cost-Effective CAT5 up to 3200 Feet (975 m)

MicroAmp AV Series

The MicroAmp A/V Series allows up to four composite video signals, one S-Video, and a maximum of four unbalanced audio signals to be transmitted via unshielded twisted pair (UTP) cable in a point-to-point connection. The **SV-S** transmits one S-Video channel and two channels of audio, the **CV-S** transmits one Composite Video channel and two channels of audio, the **4-CV** transmits four Composite Video channels, and the **4-MA** transmits four mono audio channels, or two stereo pairs. Transmission is bi-directional.

Used in pairs, these Stereo Audio/Video baluns eliminate up to four coaxial cables, allowing audio/video equipment to be connected via space-efficient and cost-effective Category 5 twisted pair cable wired for crossover connection.

The MicroAmp A/V Series is ideal for classroom video distribution, hospital video training, commercial and home audio or video systems, video kiosks, and video conferencing. Applications include DVD players, Video Cams, long audio cable runs and satellite receivers.

- Composite audio and unbalanced audio
- Cable runs up to 3200 feet via CAT5 UTP
- Greater stability with wider bandwidth
- Transformer isolation eliminates ground loops
- Cost efficient cabling
- Passive components, no internal or external power required
- Bi-directional transmission

MicroAmp 4-CV



MicroAmp 4-MA



MicroAmp CV-S



MicroAmp SV-S



Rear RJ45 Jack



MODELS (sold in pairs)

- | | | |
|-----------------|---|---|
| • MicroAmp SV-S | – | 1 S-Video Channel and 2 Channels of Audio |
| • MicroAmp CV-S | – | 1 Composite Video Channel and 2 Channels of Audio |
| • MicroAmp 4-CV | – | 4 Composite Video Channels |
| • MicroAmp 4-MA | – | 4 Audio Channels |

MicroAmp Audio / Video Distribution via Cost Effective CAT5

MicroAmp AV Series

Technical Specifications

| | |
|----------------------------|---|
| VIDEO | |
| GAIN | Unity |
| PHASE ERROR | +/- 2 degrees |
| GAIN ERROR | +/- 2 percent |
| RETURN LOSS | > 15dB over frequency range from DC to 8 MHz |
| VIDEO INPUT | |
| MAXIMUM LEVEL | 1.0V RMS |
| IMPEDANCE | 75 ohms |
| VIDEO OUTPUT | |
| MAXIMUM LEVEL | 1.0V RMS |
| IMPEDANCE | 75 ohms |
| AUDIO | |
| BANDWIDTH | 10 Hz to 30 kHz |
| CMR | >40 dB, 20 Hz to 20 kHz |
| ANALOG AUDIO OUTPUT | |
| IMPEDANCE | 600 ohms |
| GENERAL | |
| INTERCONNECT WIRING | Crossover |
| TRANSMISSION | Transparent to the user |
| TEMPERATURE | Operating: 32 to 131 F (0 to 55 C) Storage: -4 to 185 F (-20 to 85 C) Humidity: up to 95%, non-condensing |
| CONNECTORS | RCA-female, BNC and/or S-Video depending on model; 1 RJ45 jack for CAT5 |
| ENCLOSURE TYPE | Fire Retardant Black Plastic |
| ISOLATION | 500 V (audio) per channel |
| DEVICES SUPPORTED | DVD, VCR, camcorders, audio receivers and amplifiers, A/V switches, splitters, A/V mixers and other analog audio-video equipment containing coaxial inputs or outputs with BNC, RCA or S-Video connectors |
| ENCLOSURE DIMENSIONS | 2.4" (6.1cm) x 2.25" (5.7cm) x 1" (2.5cm) |
| WEIGHT (Single End) | 3 oz (85 grams) |
| WARRANTY | Limited, One Year Warranty |