

# 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.

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, VCRs, 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

<b>VIDEO</b>	
GAIN	Unity
PHASE ERROR	+/- 2 degrees
GAIN ERROR	+/- 2 percent
RETURN LOSS	> 15dB over frequency range from DC to 8 MHz
<b>VIDEO INPUT</b>	
MAXIMUM LEVEL	1.0V RMS
IMPEDANCE	75 ohms
<b>VIDEO OUTPUT</b>	
MAXIMUM LEVEL	1.0V RMS
IMPEDANCE	75 ohms
<b>AUDIO</b>	
BANDWIDTH	10 Hz to 30 kHz
CMR	>40 dB, 20 Hz to 20 kHz
<b>ANALOG AUDIO OUTPUT</b>	
IMPEDANCE	600 ohms
<b>GENERAL</b>	
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