



MicroAmp SV-S CV-S

4-CV 4-MA

VIDEO & AUDIO DISTRIBUTION

OPERATING AND MAINTENANCE MANUAL



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DESCRIPTION

The MicroAmp AV 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 Model has one S-Video channel and two Channels of audio. The CV-S Model has one composite video channel and two channels of audio. The 4-CV Model consists of four composite video channels. The 4-MA Model has four audio channels, all of which can be paired.

Used in pairs, ATI MicroAmps eliminate up to three coaxial cables, allowing audio-video equipment to be connected via space efficient and cost effective Category 5 twisted pair cable.

The MicroAmp AV Series is ideal for on-location sound, classroom video distribution, hospital video training, commercial and home audio or video systems, video kiosks and video conferencing. Applications include DVD players, VCR's, and satellite receivers.

FEATURES INCLUDE

- Composite audio and unbalanced audio
- Cable runs up to 3200 feet (975 m)
- Run multiple channels over CAT5 UTP
- Greater stability with wider bandwidth
- Eliminates ground loops
- Cost efficient cabling
- Bi-Directional operation

MODELS

MicroAmp SV-S	1 S-Video Channel and 2 Channels of Audio (can be paired)
MicroAmp CV-S	1 Composite Video Channel and 2 Channels of Audio (can be paired)
MicroAmp 4-CV	4 Composite Video Channels (can be paired)
MicroAmp 4-MA	4 Audio Channels (can be paired)

TECHNICAL SPECIFICATIONS

VIDEO

GAIN	Unity
PHASE ERROR	+/- 2%
GAIN ERROR	+/- 2%
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	10Hz to 30 kHz
CMR	> 40 dB, 20MHz to 20 kHz

ANALOG AUDIO OUTPUT

IMPEDANCE	600 ohms
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GENERAL

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%

CONNECTORS	2 RCA-receptacle for stereo audio, S-Video connector, BNC connector, and 1 RJ45 jack for CAT-5
ENCLOSURE TYPE	Fire Retardant Black Plastic
ISOLATION	500 V (audio) per channel
DEVICES	DVD, VCR, camcorders, audio receivers and amplifiers, AV switches, splitters, AV mixers and other analogue audio-video equipment featuring coaxial input or output w/ BNC or RCA connectors
ENCLOSURE DIMENSIONS	2.4" (6.1cm) x 2.25" (cm) x 1" (2.5cm)
PRODUCT WEIGHT	3 oz (85 grams)

Typical Application

