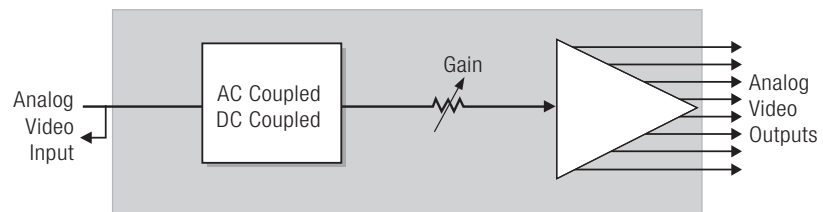
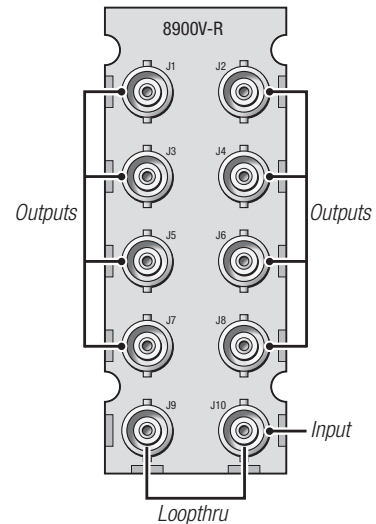


Key Features

- Suitable for NTSC, PAL, SECAM, RGB, YUV, Tri-level sync
- Passive differential looping input with eight active outputs
- Selectable AC or DC input coupling modes
- Card-edge adjustable gain control
- Excellent differential gain and phase specifications
- Card-edge status indicators

This distribution amplifier is ideal for short cable runs of high-quality signals. Its flat frequency response and very impressive signal-to-noise ratio ensures high-quality copies to all eight outputs. The AC coupled mode is used when the incoming video signal has a blanking level at anything other than zero volts. For handling color-difference signals (B-Y, R-Y), DC input coupling is recommended. Additionally, the 8901 module can be used for simple fanout distribution of AES/EBU 1 Vp-p coaxial digital audio signals that do not need relocking. The bandwidth of the 8901 easily handles the 6 MHz frequency response required by professional 48 kHz AES/EBU digital audio signals. Our entire line of both analog and digital distribution amplifiers offer passive differential loop-through inputs designed to remove common mode hum induced by cable runs adjacent to AC mains cables.



Specifications

Supported Frame Types

GeckoFlex with 8900V-R GeckoFlex Video rear module, Gecko video frames: 8900TX-V, 8900TF-V, 8900TFN-V

Power Rating

2.3 Watts – single slot

Input

Type: 1 Vp-p analog video with operation up to 2 Vp-p NTSC, PAL, SECAM, RGB, YUV, Tri-level sync

Connector type: BNC

Impedance: Passive high impedance differential loop-through

Return loss: >40 dB up to 5 MHz

CMRR: >66 dB 50/60 Hz

Common mode input: $\pm 10V$

Output

Voltage: 1 Vp-p ± 2 dB

Number of outputs: Eight active plus one passive loop-through input window out

Connector type: BNC

Impedance: 75 Ω

Return loss: >40 dB up to 5 MHz

Output DC: <50 mV

Performance

Frequency response:

- ± 0.025 dB to 5 MHz
- ± 0.05 dB 5 to 8 MHz
- -1 dB at 16 MHz

Differential gain: <0.1%

Differential phase: <0.1 $^\circ$

Gain range: ± 2 dB

Tilt: <0.5%

Coupling: AC, DC

Electrical length: 20 ns

Temperature range: 0 $^\circ$ to 30 $^\circ$ C

Indicators/Controls

User controls: Output gain adjustment range: ± 2 dB

LED indicators: Fault, power, frame bus communication

Ordering Information

This module can be mounted in a GeckoFlex frame when ordered with the 8900V-R GeckoFlex Video rear module.

8901

Utility analog video distribution amplifier

For detailed specifications, installation, and setup instructions see:
www.grassvalley.com/docs/modular