

The 500ADA Analog Video Distribution Amplifier is a general purpose amplifier for distributing 75 $\Omega$  analog signals. The 500ADA features one balanced input with nine outputs. The 500ADA has been designed to distribute a wide range of analog video signals. It can also distribute other pulses and signals that do not exceed 2V p-p.

The 500ADA is housed in the 3RU 500FR **exponent** frame that will hold up to 16 modules.

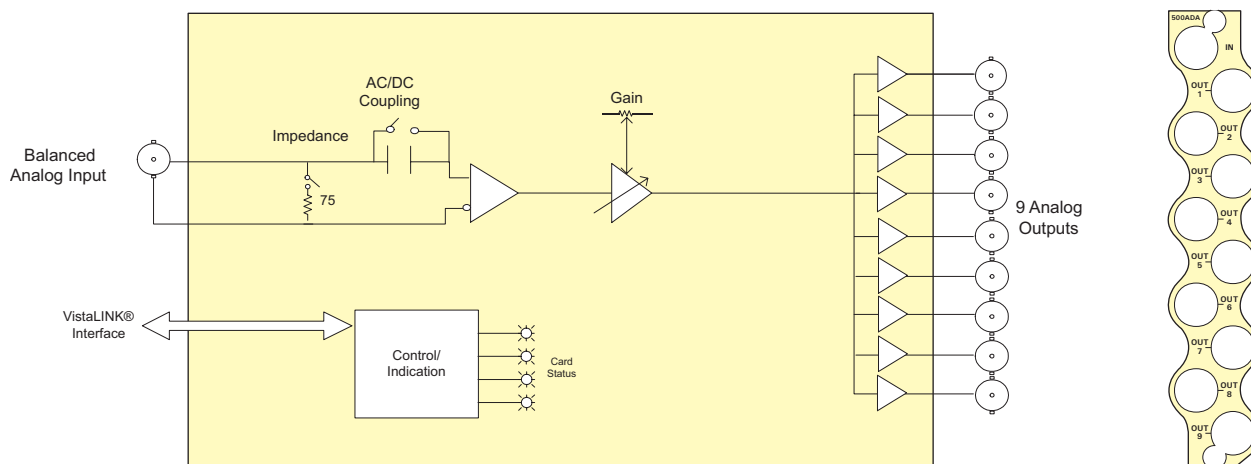


## ►Features & Benefits

- 75 $\Omega$  or high impedance input (jumper selectable)
- High common mode range and common mode rejection ratio (CMRR)
- Gain control
- Jumper selectable AC or DC coupling
- Looping feature with external "T" connector
- Consistent input impedance if card power is lost
- VistaLINK<sup>®</sup> -capable for remote monitoring via SNMP (using VistaLINK<sup>®</sup> PRO) when installed in 500FR frame with 500FC VistaLINK<sup>®</sup> Frame Controller

### Card Edge LEDs

- Module status/Local Fault
- Power supply status



## ►Specifications

### Analog Video Input:

Standards: Any analog video format, up to 2V p-p and 30MHz bandwidth  
 Connector: 1 BNC per IEC 61169-8 Annex A  
 Common mode range: > 6V p-p  
 CMRR: > 70dB to 1kHz  
 Signal amplitude: 2.5V p-p max  
 Impedance: 75 $\Omega$  terminated, 35k $\Omega$  Hi-Z (jumper selectable)  
 Coupling: AC or DC (jumper selectable)  
 Return loss: > 40dB to 10MHz, > 30dB to 30MHz

### Analog Video Outputs:

Number of Outputs: 9 Per Card  
 Connector: BNC per IEC 61169-8 Annex A  
 Output impedance: 75 $\Omega$   
 Gain control range:  $\pm 5$ dB  
 Freq. Response: <  $\pm 0.05$ dB (to 5.5MHz)  
 Differential Gain: < 0.17%  
 Differential Phase: < 0.19°  
 C/L gain inequality: <  $\pm 0.1$ %  
 C/L Delay: <  $\pm 2$ ns  
 Output isolation: 42dB to 10MHz, 32dB to 30MHz  
 Output return loss: > 40dB to 30MHz  
 Noise performance: < -78dB RMS NTC7 weighting  
 < -70dB RMS 15kHz to 5.5MHz

### Electrical:

Voltage: +12V DC  
 Power: 1.2W  
 EMI/RFI: Complies with FCC Part 15 Class A, EU EMC Directive

### Physical:

Number of Slots: 1

## ►Ordering Information

**500ADA** Analog Video Distribution Amplifier (1x9)

**Enclosures**  
**500FR**  
**S501FR**

**exponent**  
 Compact High Density Distribution Frame  
 Standalone enclosure