

# Extron Electronics

INTERFACING, SWITCHING AND DISTRIBUTION



Wide Bandwidth

Variable RGB Gain

TTL/Analog Sync

.7 or 1.0 volt  
Video Gain Switch

Metal Enclosure

Rack Mountable

Internal Power Supply\*

LED Power Indicator

Proven Performance  
and Reliability

2 Year Warranty

Lifetime Support

\*MX Series Only



## APPLICATION

---

EXTRON's Analog Distribution Amplifiers (ADA's) are designed for use whenever an RGB Signal must be split into multiple outputs while maintaining signal quality throughout. Several models are shown in this brochure, each with its own distinct features and number of outputs. The model best suited for any particular application depends upon the number of outputs needed and the resolution and Scan Frequency of the Signal to be distributed. As a rule of thumb, the higher the resolution and Scan Frequency, the higher the bandwidth required, in order to maintain optimum picture quality.

## FEATURES

---

- **Wide Bandwidth** - up to a true 350 MHz (-3db)
- **Variable RGB Gain** - Internal red, green, and blue controls that vary the output levels simultaneously
- **Accepts RGB with Sync on green, separate composite Sync, separate H&V Sync or NTSC/PAL Video**
- **High RGB Bandwidth allows for signal distribution with no loss of picture quality**
- **All outputs separately buffered and isolated**
- **TTL or Analog Sync Output Selector Switch chooses between output sync levels**
- **Durable metal enclosures**

## ADA 3 80

---

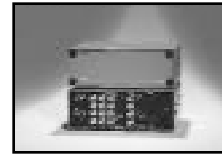
The ADA 3 80 is a one input, four output RGB and Sync Analog Distribution Amplifier with an additional fourth loop-output. Any computer or interface source with an RGB and separate Composite Sync or Sync on Green output can be distributed to three or four data projectors or data monitors simultaneously. The fourth loop-output is provided for looping to additional ADA 3 80's or may be used as an additional output.



## ADA 3 180

---

The ADA 3 180 is a one input, three output RGB and Sync Analog Distribution Amplifier. Because the RGB Video Bandwidth of the ADA 3 180 is 200 MHz, its high resolution distribution capability is desirable when displaying computer graphics from SuperVGA, Mac or CAD level workstations to "Graphics" compatible projectors or monitors.



## ADA 2 300 HV

---

The ADA 2 300 HV is a one input, two output RGB and Sync Analog Distribution Amplifier for any computer source with RGB Sync on Green, Separate Horizontal and Vertical Sync or Composite Sync. The ADA 2's 350 MHz RGB Video Bandwidth and two buffered outputs make it perfect for connecting a Personal Computer or a High Resolution BNC output Workstation to two Data or Graphic Projectors or Monitors with BNC inputs or to System Switchers for preview monitoring.



## ADA 4 300 MX

---

The ADA 4 300 MX is a one input, four output RGB and Sync Analog Distribution Amplifier. The 300 MHz RGB Video Bandwidth of the ADA 4 makes it perfect for distributing RGB and Sync sources from PCs, Quadra, PowerPCs and SUN computers to CAD/CAM level Workstations. The ADA 4 300 MX also includes an internal power supply with IEC connector.



## ADA 6 300 MX

---

The ADA 6 300 MX is a one input, six output RGB and Sync Analog Distribution Amplifier. The 300 MHz RGB Video Bandwidth of this distribution amplifier makes it perfect for distributing RGB and Sync sources from PCs, Quadas, PowerPCs and SUN computers to CAD/CAM level Workstations. The ADA 6 300 MX is ideal for

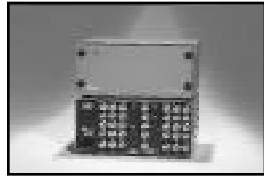
## ADA 6 300 MX (CONTINUED)

production "burn-in" applications where high resolution signal distribution is required without quality loss. Includes an internal power supply with IEC connector.



## ADA 6 300 MX HV

The ADA 6 300 MX HV is a one input, six output RGB with separate Horizontal and Vertical Sync Analog Distribution Amplifier. The 300 MHz RGB Video Bandwidth of the distribution amplifier makes it perfect for distributing RGB and Sync sources from VGA PCs to CAD/CAM level workstations requiring separate Horizontal and Vertical Sync distribution. Includes internal power supply with IEC connector.



## OPTIONAL ACCESSORIES

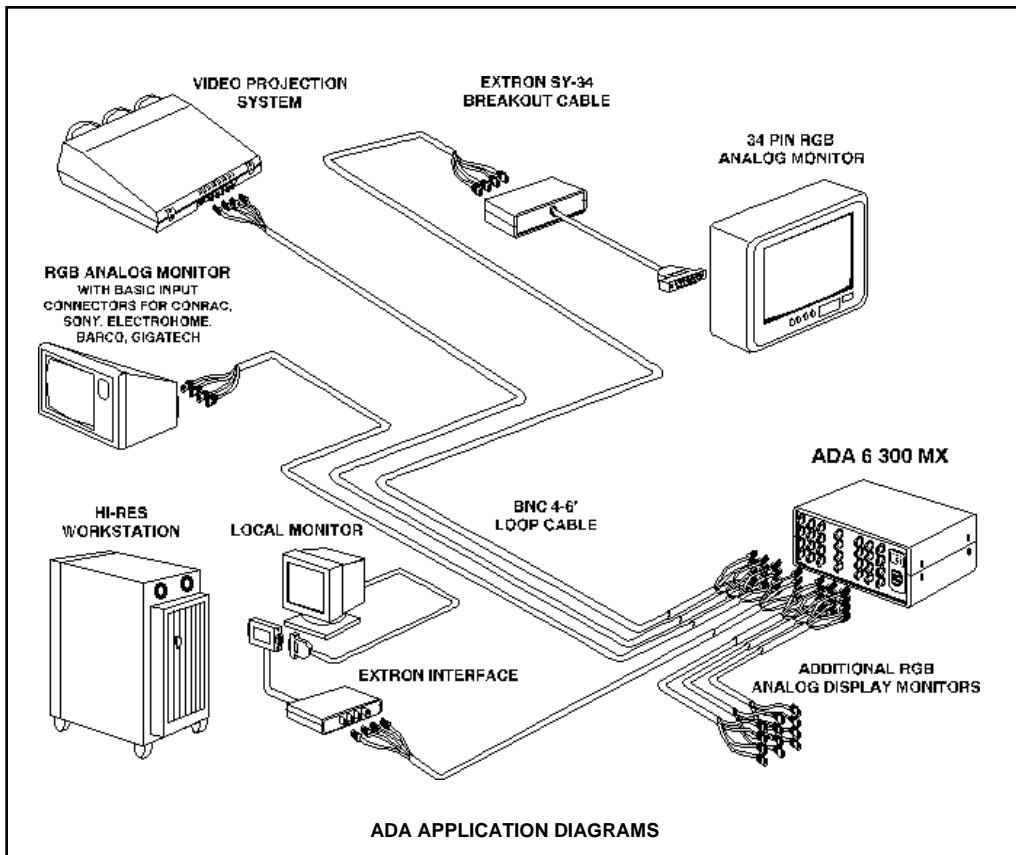
- **ADA 19" Rack Shelf** - Holds 2 ADA's (except ADA 2)



- **ADA 19" Rack Front Panel** - Mounts 2 ADA's (except ADA 2)



- **BNC 75 ohm Termination Plug** - For terminating unused video outputs on ADA 4-300 MX and ADA 6-300 MX series only.



# SPECIFICATIONS (ALL ADA MODELS)

	ADA 2 300 HV	ADA 3 80	ADA 3 180	ADA 4 300 MX	ADA 6 300 MX	ADA 6 300 MX HV
<b>Gain</b>	Unity	.7 or 1 Volt Selectable	.7 or 1 Volt Selectable	.7 or 1 Volt Selectable	.7 or 1 Volt Selectable	.7 or 1 Volt Selectable
<b>Video Amplifier Bandwidth</b>	650 MHz	200 MHz	300 MHz	650 MHz	650 MHz	650 MHz
<b>Actual Video Bandwidth</b>	350 MHz	100 MHz	200 MHz	300 MHz	300 MHz	300 MHz
<b># of Outputs</b>	2	4, 3 + loop	3	4	6	6
<b>Input Impedence: Video Sync</b>	75 ohm 500 ohm	75 ohm 500 ohm	75 ohm 500 ohm	75 ohm 500 ohm	75 ohm 500 ohm	75 ohm 500 ohm
<b>Output Impedence</b>	75 ohm	75 ohm	75 ohm	75 ohm	75 ohm	75 ohm
<b>Sync Input Sensitivity</b>	.5-5 volts	.5-5 volts	.5-5 volts	.5-5 volts	.5-5 volts	.5-5 volts
<b>Internal AC or DC Coupling Option</b>	YES	YES	YES	YES	YES	YES
<b>Power Consumption</b>	2 Watts	2 Watts	3 Watts	5 Watts	5 Watts	5 Watts
<b>Internal RGB Gain</b>	NO	YES	YES	YES	YES	YES
<b>MTBF</b>	30,000 Hrs.	30,000 Hrs.	30,000 Hrs.	35,000 Hrs.	35,000 Hrs.	35,000 Hrs.
<b>Sync Formats</b>	Sync on Green, Composite and H&V Sync	Sync on Green and Composite Sync	Sync on Green and Composite Sync	Sync on Green and Composite Sync	Sync on Green and Composite Sync	Sync on Green, Composite and H&V Sync
<b>Connectors</b>	BNC	BNC	BNC	BNC	BNC	BNC
<b>Dimensions</b>	1.75"H x 4.63"W x 4.75"D	3.35"H x 8.4"W x 6.25"D	3.35"H x 8.4"W x 6.25"D	3.35"H x 8.4"W x 6.25"D	3.35"H x 8.4"W x 6.25"D	4.27"H x 8.4"W x 6.25"D
<b>Rack Mountable</b>	No	Yes	Yes	Yes	Yes	Yes
<b>Weight</b>	1 lb.	4 lbs.	4 lbs.	5 lbs.	5 lbs.	6 lbs.
<b>Power Supply</b>	9 volt 500 mA	9 volt 500 mA	9 volt 500 mA	Internal IEC 100-240 V	Internal IEC 100-240 V	Internal IEC 100-240 V



1A 8378

J 3085

69-02  
68-091-01  
Rev. F