DVI DA

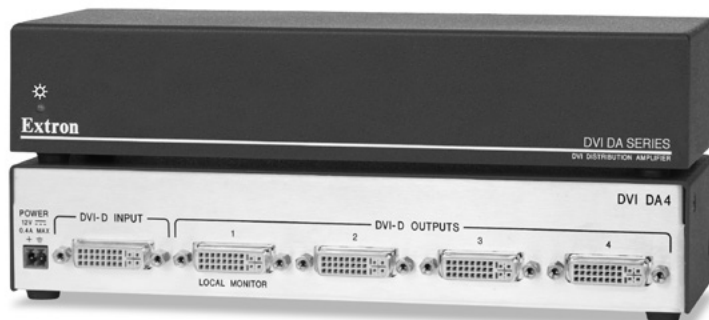## TWO AND FOUR OUTPUT DVI DISTRIBUTION AMPLIFIERS

▶ **Supports single link DVI-D signals up to 1920x1200, including HDTV 1080p/60**

▶ **Automatic input cable equalization to 100 feet (30 meters) at 1920x1200/ 8-bit color when used with Extron DVI Pro cables**

▶ **DDC routing to local output for EDID and HDCP**

▶ **Provides +5VDC, 250mA power on each output for external peripheral devices**

▶ **Rack-mountable 1U, half rack width metal enclosure**

The Extron DVI DA distribution amplifiers with two or four outputs accept a single link DVI input signal and output multiple identical signals to attached devices. These distribution amplifiers provide automatic input cable equalization to ensure optimal image quality on all outputs. The DVI DA distribution amplifiers are ideal for use in all applications that require reliable distribution of high resolution DVI digital video signals.

Extron® Electronics
INTERFACING, SWITCHING AND CONTROL

DESCRIPTION

The Extron **DVI DA2** and **DVI DA4** are DVI distribution amplifiers with two or four outputs. Both models accept a single link DVI signal and distribute identical signals to attached devices. They also provide DDC - Display Data Channel routing to the local output, allowing EDID - Extended Display Identification Data handshaking, which ensures proper video output and reliable display of material. These DVI distribution amplifiers are ideal for any application where high resolution video signals need to be routed to multiple destinations, and a fully-digital signal path from source to destination is preferred.
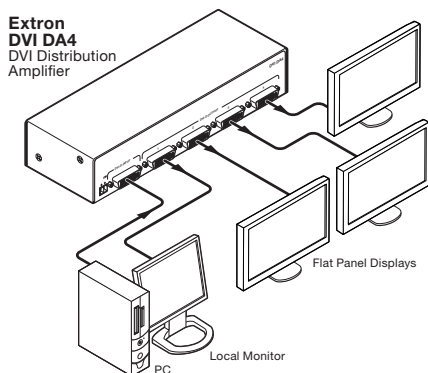
The DVI DA products also feature automatic input cable equalization, which restores and reshapes incoming DVI signals, minimizing jitter effects that can be a common problem where multiple active devices are in the signal path.

Both models are housed in rack-mountable 1U, half rack width metal enclosures. An external, universal power supply is included for worldwide power compatibility.

FEATURES

▸ Supports single link DVI-D signals up to 1920x1200, including HDTV 1080p/60

▸ Automatic input cable equalization to 100 feet (30 meters) at 1920x1200/8-bit color when used with Extron DVI Pro cables

▸ DDC routing to local output for EDID and HDCP – Allows EDID and HDCP handshaking with the source device, ensuring proper video output and reliable display of material. Other outputs follow reference information provided by devices connected to the local output.

▸ Provides +5VDC, 250mA power on each output for external peripheral devices

▸ Rack-mountable 1U, half rack width metal enclosure

▸ External universal power supply included

APPLICATION DIAGRAM

Extron
DVI DA4
DVI Distribution
Amplifier

Flat Panel Displays

Local Monitor

PC

SPECIFICATIONS

NOTE: *Appropriate DVI-D to HDMI cables or adapters are required for HDMI signal input/output.

VIDEO

Maximum bit rate	4.95 Gbps (1.65 Gbps per color)
Maximum pixel clock	165 MHz
Resolution range	Up to 1920x1200 or 1080p @ 60 Hz
Formats	RGB and YCbCr digital video
Standards	DVI 1.0, HDMI 1.2

VIDEO INPUT

Number/signal type	1 single link DVI-D (or HDMI*)
Connectors	1 female DVI-I

VIDEO OUTPUT

Number/signal type	
DVI DA2	2 single link DVI-D (or HDMI*): 1 main, 1 local
NOTE: Local output is used for DDC communications and hot plug detection.	
DVI DA4	4 single link DVI-D (or HDMI*)
Connectors	2 or 4 female DVI-I (depending on model)

GENERAL

External power supply	100 VAC to 240 VAC, 50-60 Hz, external; to 12 VDC, 1 A, regulated
Power input requirements	12 VDC, 0.4 A
Temperature/humidity	Storage: -40 to +158 ˚F (-40 to +70 ˚C) / 10% to 90%, noncondensing
	Operating: +32 to +122 ˚F (0 to +50 ˚C) / 10% to 90%, noncondensing
Cooling	Convection, no vents
Mounting	
Rack mount	Yes, with optional rack shelf kit
Furniture mount	Yes, with optional under-desk mounting kit
Enclosure type	Metal
Enclosure dimensions	1.75" H x 8.75" W x 3.0" D (1U high, half rack wide)
	(4.4 cm H x 22.2 cm W x 7.6 cm D)
	(Depth excludes connectors.)
Product weight	2.8 lbs (1.3 kg)
Shipping weight	5 lbs (3 kg)
Vibration	ISTA 1A in carton (International Safe Transit Association)
Regulatory compliance	
Safety	CE, CUL, UL
EMI/EMC	CE, C-tick, FCC Class A, ICES, VCCI
MTBF	30,000 hours
Warranty	3 years parts and labor
NOTE: All nominal levels are at ±10%.	

Model	Version Description	Part number
DVI DA2	Two Output DVI	60-886-02
DVI DA4	Four Output DVI	60-922-01

For complete specifications, please go to www.extron.com
Specifications are subject to change without notice.

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