

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



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## 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.

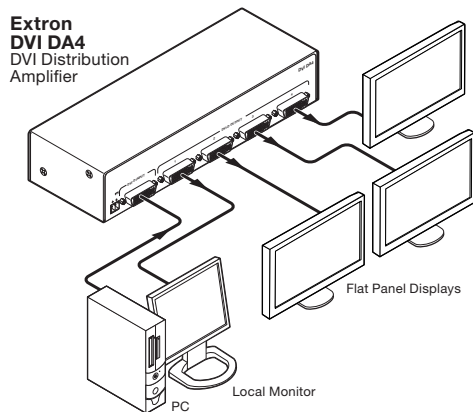
The DVI DA products also feature automatic input cable equalization, which restores and reshapes incoming DVI signals, minimizing jitter effects that can be a common problem where multiple active devices are in the signal path.

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** – Automatically equalizes incoming DVI signals to ensure optimum image quality.
- **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



## SPECIFICATIONS

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

### VIDEO OUTPUT

Number/signal type	
DVI DA2.....	2 single link DVI-D (or HDMI*)
DVI DA4.....	4 single link DVI-D (or HDMI*)
Connectors .....	2 or 4 female DVI-I (depending on model)
NOTE: Local output is used for DDC communications and hot plug detection.	
*NOTE: Appropriate DVI-D to HDMI adapters are required for HDMI signal input/output	

### 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 1U rack shelf
Furniture mount.....	Yes, with optional MBU 125 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)
Listings.....	UL, CUL
Compliances .....	CE, FCC Class A, VCCI, AS/NZS, ICES
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 Distribution Amplifier.....	60-886-01
DVI DA4	Four Output DVI Distribution Amplifier.....	60-922-01

Specifications are subject to change without notice.



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# DVI DA Plus

FOUR, SIX, AND EIGHT OUTPUT  
DVI DISTRIBUTION AMPLIFIERS

- Single link DVI-D signal distribution
- Supports single link DVI-D signals up to 1920x1200, including HDTV 1080p/60
- EDID Minder™
- Automatic input cable equalization
- Provides +5VDC, 250mA power on each output for external peripheral devices
- Rack-mountable 1U metal enclosure



DVI DA4 Plus



DVI DA8 Plus

The Extron DVI DA Plus are DVI distribution amplifiers with four, six, or eight outputs. Each product accepts a single link DVI signal from a source and distributes the signal to multiple attached devices. All DVI DA Plus models feature EDID Minder and automatic input cable equalization. They are ideal for use in all applications that require reliable distribution of high resolution DVI digital video signals.



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# DESCRIPTION

The Extron **DVI DA Plus** are DVI distribution amplifiers with four, six, or eight outputs. Each model accepts one single link DVI source and distributes equalized digital video signals to multiple devices. They are compatible with computer resolutions up to 1920x1200 @ 60Hz, including HDTV 1080p/60. These DAs are ideal for environments where a fully-digital signal path from source to destination is preferred. All DVI DA Plus models feature EDID Minder, which maintains continuous EDID - Extended Display Identification Data, communication with the attached source, and ensures that the DVI source powers up properly and maintains proper video output even if the digital display device is off.

DVI DA Plus models 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.

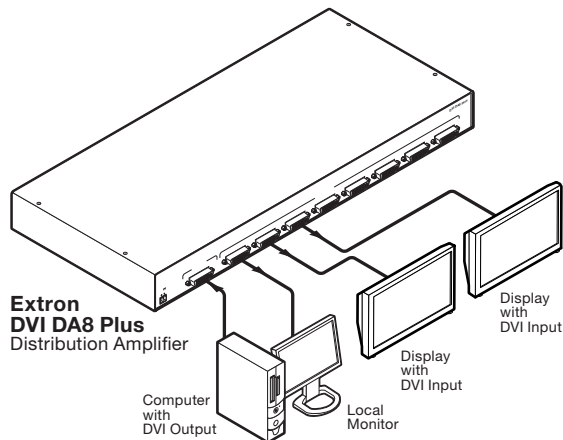
Front panel LED signal presence indicators provide a quick means of active signal source verification.

All DVI DA Plus models are housed in 1U high, rack-mountable enclosures. The DVI DA4 Plus utilizes a one-half rack width enclosure, while the DVI DA6 Plus and DVI DA8 Plus utilize a full rack width enclosure. All models include an external, universal power supply for worldwide power compatibility.

# FEATURES

- Single link DVI-D signal distribution
- Supports single link DVI-D signals up to 1920x1200, including HDTV 1080p/60
- EDID Minder™
- Automatic input cable equalization
- Provides +5VDC, 250mA power on each output for external peripheral devices
- Rack-mountable 1U metal enclosure
- External universal power supply included

# APPLICATION DIAGRAM



# SPECIFICATIONS

VIDEO		
Maximum data 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	
<b>NOTE:</b> *Appropriate DVI-D to HDMI cables or adapters are required for HDMI signal input/output.		
VIDEO OUTPUT		
Number/signal type .....	4, 6, or 8 (depending on model) single link DVI-D (or HDMI*)	
Connectors .....	4, 6, or 8 female DVI-I	
GENERAL		
External power supply.....	100 VAC to 240 VAC, 50/60 Hz, external; to 12 VDC, 2 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	
Rack mount .....	Yes, with included brackets	
Enclosure type .....	Metal	
Enclosure dimensions		
DVI DA4 Plus .....	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.)	
DVI DA6 Plus, DVI DA8 Plus .....	1.75" H x 17.5" W x 8.5" D (1U high, full rack wide) (4.4 cm H x 44.4 cm W x 21.6 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)	
Listings .....	UL, CUL	
Compliances .....	CE, FCC Class A, VCCI, AS/NZS, ICES	
MTBF .....	30,000 hours	
Warranty .....	3 years parts and labor	
<b>NOTE:</b> All nominal levels are at ±10%.		
Model	Version Description	Part Number
DVI DA4 Plus	Four Output DVI Distribution Amplifier.....	60-931-01
DVI DA6 Plus	Six Output DVI Distribution Amplifier .....	60-932-01
DVI DA8 Plus	Eight Output DVI Distribution Amplifier.....	60-933-01
Optional Accessories		
DVID SL Series		
Single Link DVI-D Male to Male Patch Cables		
DVID SL-3	3' (90cm) .....	26-649-03
DVID SL-6	6' (1.8 m).....	26-649-06
DVID SL-3	12' (3.6 m).....	26-649-12
HDMI to DVI-D Adapters		
HDMI Female to DVI-D Male Adapter.....		26-616-01

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