P/2 DA4xi
P/2 DA6xi

FOUR AND SIX OUTPUT VGA-QXGA DISTRIBUTION AMPLIFIERS

- ■ **300 MHz (-3dB) RGB video bandwidth**
- ■ **VGA-QXGA compatible**
- ■ **ID bit routing**
- ■ **Video gain switch**
- ■ **Individual buffered outputs**
- ■ **Internal International power supply**

P/2 DA4xi

P/2 DA6xi

The Extron P/2 DA4xi and P/2 DA6xi are one input, four- and six-output VGA–QXGA distribution amplifiers. They are suitable for applications where a single, high resolution computer-video signal must be split and distributed to multiple outputs.

Extron® Electronics

DESCRIPTION

The Extron **P/2 DA4xi** and **P/2 DA6xi** are one input, four- and six-output VGA–QXGA distribution amplifiers. They are suitable for a wide variety of applications where a single, high resolution computer-video signal must be split and distributed to multiple outputs, including boardrooms, training facilities, home theater, command and control centers, and rental and staging environments.

Each model offers 300 MHz (-3dB) of RGB video bandwidth, and is compatible with VGA-QXGA graphic cards, monitors, and projectors. Outputs are individually buffered and amplified to help maintain the original signal integrity and eliminate noise interference. ID bits are routed to output one for local monitor support. A video gain switch is provided to compensate for cable runs up to 250 feet (75 m).

The P/2 DA4xi and P/2 DA6xi are housed in a rack-mountable 1U, half rack width metal enclosure. An auto-switching, internal power supply provides worldwide power compatibility.

FEATURES

■ **Bandwidth** – 300 MHz (-3dB) RGB video bandwidth, fully loaded, ensures signal integrity.

■ **Compatibility** – Compatible with VGA-QXGA resolution graphic cards, monitors, and projectors, as well as Macintosh® computers with 15-pin HD outputs.

■ **ID bits** – ID bits are routed through the local monitor output.

■ **Video gain switch** – Provides signal boost to maintain video signal integrity over long cable runs.

■ **Individually buffered outputs** – Buffered outputs maintain the original signal integrity and eliminate noise interference.

■ **Internal International Power supply** – Autoswitching internal power supply provides worldwide power compatibility.

SPECIFICATIONS

VIDEO

Gain	0 dB or +3 dB, switchable
Bandwidth	300 MHz (-3 dB), fully loaded

VIDEO INPUT

Number/signal type	1 VGA-QXGA RGBHV, RGBS, RGsB, RsGsBs, component video, S-video, composite video
Connectors	(1) 15-pin HD female
Nominal level	1 Vp-p for Y of component video and S-video, and for composite video 0.7 Vp-p for RGB 0.3 Vp-p for R-Y and B-Y of component video, and for C of S-video
Minimum/maximum levels	Analog: 0.3 V to 1.5 Vp-p with no offset at unity gain
Impedance	75 ohms

SPECIFICATIONS - Cont.

Horizontal frequency	15 kHz to 135 kHz
Vertical frequency	30 Hz to 150 Hz
Return loss	<-40 dB @ 5 MHz
Input coupling	DC

VIDEO OUTPUT

Number/signal type	4 or 6 VGA-QXGA RGBHV, RGBS, RGsB, RsGsBs, HDTV component video, S-video, composite video (follows input type)
Connectors	
P/2 DA4xi	(4) 15-pin HD female
P/2 DA6xi	(6) 15-pin HD female
Nominal level	1 Vp-p for Y of component video and S-video, and for composite video 0.7 Vp-p for RGB 0.3 Vp-p for R-Y and B-Y of component video, and for C of S-video
Minimum/maximum levels	0.3 V to 1.5 Vp-p (follows input)
Impedance	75 ohms
Return loss	<-40 dB @ 5 MHz
DC offset	±5 mV with input at 0 offset

SYNC

Input/Output type	RGBHV, RGBS, RGsB, RsGsBs; bi-level and tri-level sync (follows input)
Input level	1.8 V to 5.0 Vp-p
Output level	TTL: 5.0 Vp-p, unterminated
Input impedance	510 ohms
Output impedance	50 ohms
Max. propagation delay	60 ns
Max. rise/fall time	2 ns
Polarity	Positive or negative (follows input)

GENERAL

Power	100 VAC to 240 VAC, 50/60 Hz, 12 watts, internal, autoswitchable
Rack mount	Yes, with optional 1U rack shelf, part #60-190-01, 60-604-01, 60-190-10, 60-604-10 Also furniture mountable with optional brackets
Enclosure type	Metal
Enclosure dimensions	1.6" H x 8.7" W x 6.0" D (1U high, half rack wide) 4.1 cm H x 22.1 cm W x 15.2 cm D (Depth excludes connectors.)
Product weight	2.0 lbs (0.9 kg)
Shipping weight	
P/2 DA4xi	4 lbs (2 kg)
P/2 DA6xi	5 lbs (3 kg)
Listings	UL, CUL
Compliances	CE, FCC Class A, VCCI, AS/NZS, ICES

NOTE: All nominal levels are at ±10%

Model	Version Description	Part Number
P/2 DA4xi	1x4 VGA-QXGA	60-246-03
P/2 DA6xi	1x6 VGA-QXGA	60-245-03

Specifications are subject to change without notice.

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