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# P/2 DA2 PLUS

TWO OUTPUT VGA-QXGA DISTRIBUTION AMPLIFIER

- 300 MHz (-3dB) RGB video bandwidth
- VGA-QXGA compatible
- Individually buffered outputs
- ID Bit routing
- Selectable input and output sync impedance
- Attached VGA input cable
- Attached external, international power supply



The Extron P/2 DA2 PLUS is a compact, one input, two output, high performance VGA-QXGA distribution amplifier. It's designed for presenters-on-the-go or wherever a single, high resolution computer video signal needs to be routed to two displays simultaneously.



**Extron® Electronics**

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## DESCRIPTION

The Extron **P/2 DA2 PLUS** is a compact one input, two output, VGA-QXGA distribution amplifier. It is ideal for use in dual-display presentation systems or anywhere that a single, high resolution computer-video signal needs to be routed to two displays. The P/2 DA2 PLUS distribution amplifier is equally at home on the road with presenters-on-the-go, or when installed in small, tight places.

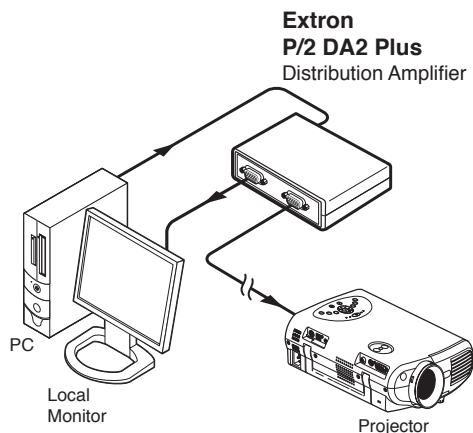
The P/2 DA2 PLUS offers 300 MHz (-3 dB) RGB video bandwidth and is compatible with VGA-QXGA resolution graphic cards, monitors, and projectors. Sync impedance can be set for optimum performance with laptop computers.

For the utmost in portability, the P/2 DA2 PLUS is housed in a briefcase-friendly, compact enclosure. To ensure that all components stay together, the P/2 DA2 PLUS features an attached, 5-foot (1.5 m) male VGA cable, as well as an attached, external, international power supply.

## FEATURES

- **Bandwidth** – 300 MHz (-3dB) RGB video bandwidth maintains 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.
- **Selectable sync impedance** – Sync impedance can be set via DIP-switch for optimum performance with laptop computers.
- **Individually buffered outputs** – Buffered outputs maintain the original signal integrity and eliminate noise interference.
- **External International Power supply** – An external, attached, autoswitching power supply provides worldwide power compatibility.

## APPLICATION DIAGRAM



## SPECIFICATIONS

### VIDEO

|                 |                 |
|-----------------|-----------------|
| Gain .....      | Unity           |
| Peaking .....   | Fixed           |
| Bandwidth ..... | 300 MHz (-3 dB) |

### VIDEO INPUT

|                             |  |
|-----------------------------|--|
| Number/signal type .....    | 1 VGA-QXGA RGBHV, RGBS, RGsB, RsGsBs                   |
| Connectors .....            | (1) 15-pin HD male cable (attached)                    |
| Nominal level .....         | 0.7 Vp-p for RGB                                       |
| Minimum/maximum levels..... | Analog: 0.3 V to 1.5 Vp-p with no offset at unity gain |
| Impedance .....             | 75 ohms  |
| Horizontal frequency.....   | 15 kHz to 135 kHz                                      |
| Vertical frequency.....     | 30 Hz to 170 Hz  |
| Return loss .....           | <-38 dB @ 5 MHz  |

### VIDEO OUTPUT

|                             |   |
|-----------------------------|---|
| Number/signal type .....    | 1 VGA-QXGA RGBHV, RGBS, RGsB, RsGsBs output   |
|                             | 1 VGA-QXGA RGBHV, RGBS, RGsB, RsGsBs local monitor output/loop-through (ID bits are passed through) |
| Connectors .....            | (2) 15-pin HD female  |
| Nominal level .....         | 0.7 Vp-p for RGB  |
| Minimum/maximum levels..... | 0.3 V to 1.5 Vp-p (follows input)   |
| Impedance .....             | 75 ohms   |
| Return loss .....           | -41 dB @ 5 MHz  |
| DC offset .....             | ±5 mV maximum with input at 0 offset  |

### SYNC

|                              |  |
|------------------------------|--|
| Input type .....             | RGBHV, RGBS, RGsB, RsGsBs                  |
| Output type .....            | RGBHV, RGBS, RGsB, RsGsBs                  |
| Input level .....            | Analog or TTL, 1.7 V to 5 Vp-p             |
| Output level .....           | TTL: 0-5 Vp-p, unterminated                |
| Input impedance .....        | 510 ohms (default) or 10k ohms, selectable |
| Output impedance .....       | 25 ohms (default) or 50 ohms, selectable   |
| Max. propagation delay ..... | 60 ns                                      |
| Max. rise/fall time .....    | 4 ns                                       |
| Polarity.....                | Positive or negative (follows input)       |

### GENERAL

|                                      |  |
|--------------------------------------|--|
| Attached external power supply ..... | 100 VAC to 240 VAC, 50/60 Hz, 4.5 watts, external, autoswitchable; to 12 VDC, 1 A, regulated |
| Power input requirements .....       | 12 VDC, 0.2 A  |
| Rack mount.....                      | No   |
| Enclosure type.....                  | Plastic  |
| Enclosure dimensions .....           | 1.5" H x 5.0" W x 2.5" D<br>3.8 cm H x 12.7 cm W x 6.4 cm D<br>(Depth excludes connectors.)  |
| Product weight .....                 | 1.6 lbs (0.7 kg)   |
| Shipping weight .....                | 3 lbs (2 kg)   |
| Listings.....                        | UL, CUL  |
| Compliances .....                    | CE   |
| MTBF .....                           | 30,000 hours   |
| Warranty .....                       | 3 years parts and labor  |

**NOTE:** All nominal levels are at ±10%.

| Model        | Version Description | Part Number |
|--------------|---------------------|-------------|
| P/2 DA2 PLUS | 1x2 VGA-QXGA .....  | 60-046-03   |

Specifications are subject to change without notice.



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