

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

www.extron.com

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.

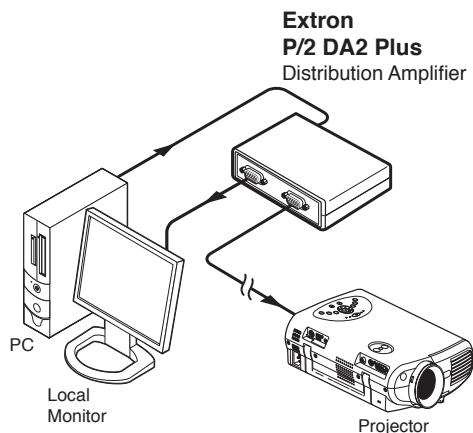
The P/2 DA2 PLUS offers 300 MHz (-3 dB) RGB video bandwidth and is compatible with VGA-QXGA resolution graphic cards, monitors, and projectors. Sync impedance can be set for optimum performance with laptop computers.

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 3.8 cm H x 12.7 cm W x 6.4 cm D (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.



Extron Electronics, USA
1230 South Lewis Street
Anaheim, CA 92805
800.633.9876 714.491.1500
FAX 714.491.1517

Extron Electronics, Europe
Beeldschermweg 6C
3821 AH Amersfoort, The Netherlands
+800.3987.6673 +31.33.453.4040
FAX +31.33.453.4050

Extron Electronics, Asia
135 Joo Seng Rd. #04-01
PM Industrial Bldg., Singapore 368363
+800.7339.8766 +65.6383.4400
FAX +65.6383.4664

Extron Electronics, Japan
Kyodo Building, 16 Ichibancho
Chiyoda-ku, Tokyo 102-0082
Japan
+81.3.3511.7655 FAX +81.3.3511.7656