

DESCRIPTION

The DA1906SX is a 1-in 3-out VGA (VGA thru UXGA) distribution amplifier designed to allow the connection of a single computer source to as many as three monitors or projectors. Offering a bandwidth of 350 MHz, the DA1906SX can pass both standard and super high-resolution VGA-type signals without degradation. The DA1906SX can drive a signal up to 100 feet or more using high quality VGA cable. Multiple DA1906SX units can also be daisy-chained together for even longer runs.

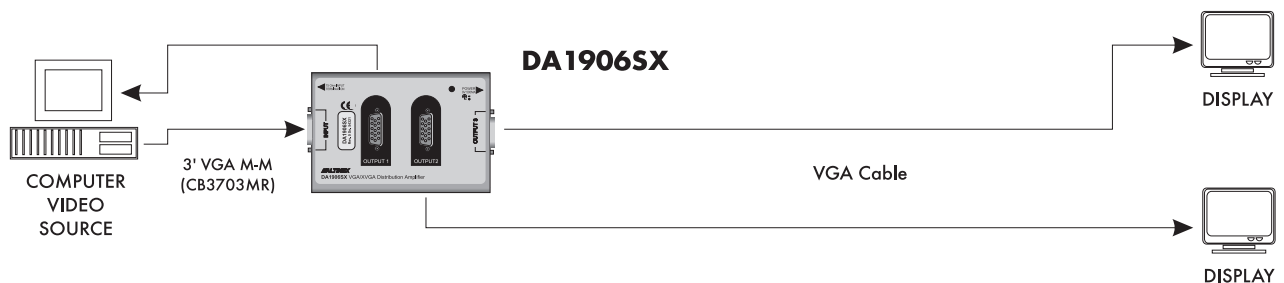
The DA1906SX is packaged with a 3 foot Male to Male VGA cable (part# CB3703MR) for connection to the output of a computer. Longer cables are optionally available for this purpose, if desired. A termination switch on the input of the DA1906SX also allows it to be used with a VGA "Y" type cable on the input instead of the 3 foot direct cable. The VGA "Y" cable provides a means of feeding a local monitor. This is not recommended if the application involves ultra high-resolution signals.

The DA1906SX is extremely compact and can be mounted to furniture or other surfaces using optional hardware.

KEY FEATURES

- 350 MHz Bandwidth
- Three Individually Buffered Outputs
- 3' VGA Male to Male Input Cable Included
- Ultra Compact Design
- Solid Metal Enclosure
- External Power Supply (9V 500mA)

APPLICATION DIAGRAM

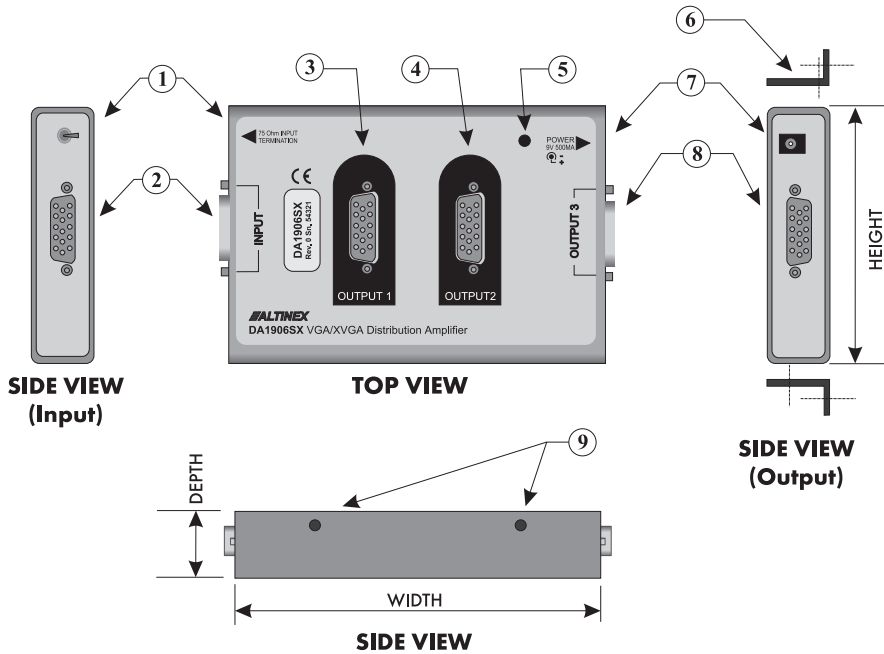


Specifications subject to change without notice. (5/99)

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DISTRIBUTION AMPLIFIERS



- 1 Input Termination Switch (75 ohm On/Off)
- 2 VGA Input (Female 15 pin HD)
- 3 VGA Output 1 (Female 15 pin HD)
- 4 VGA Output 2 (Female 15 pin HD)
- 5 Power Indicator
- 6 DA1295SX Mounting Brackets (Available optionally)
- 7 Power Input Connector (2.5 mm DC power jack)
- 8 VGA Output 3 (Female 15 pin HD)
- 9 Mounting Holes (2 on each side)

SPECIFICATIONS

GENERAL

Input: 15-pin HD Female

Outputs: (3) 15-pin HD Female

Compatibility: VGA, thru UXGA.
 May also be used to pass high resolution RGBHV, RGBS, RGsB, and RsGsBs format signals (may require connector adaptation).

MECHANICAL

Width 4.50 in 114 mm

Height 3.00 in 76 mm

Depth 1.00 in 25 mm

Weight 0.4 lb 0.18 kg

Ship Weight 2.4 lb 1.09 kg

Material 0.1" Al

Finish Gray

Top panel Lexan

T° Operating 10°C-35°C

T° Maximum 50°C

Humidity 90% non-condensing

MTBF (calcl.) 40,000 hrs

ELECTRICAL

Input Video Signal:
 Analog -1.5V to 1.5V (1.5V p-p max.)
 Impedance 75 Ohm

Input Sync Signal:
 Horiz., Vert. & C-Sync TTL (+/-)
 Sync on Green -0.3 V
 Impedance 10 kOhm

Output Video Signal:
 Analog Gain of 1.05 (+/-5%)
 Fall/Rise Time 1.4 ns
 Impedance 75 Ohm

Output Sync Signal:
 Horiz., Vert. & C-Sync TTL (+/-)
 Sync on Green -0.3 V
 Impedance 22 Ohm

Frequency Compatibility:
 Horizontal 15-200 kHz
 Vertical 47-180 Hz
 Minimum Video Bandwidth 350 MHz @ -3dB
 Typical Video Bandwidth 380 MHz @ -3dB

Coupling DC

Cross-talk -40dB @ 10 MHz

Power 9V-500mA external adapter (incl.)

Power Consumption 4 watts Max.

OPTIONAL ACCESSORIES

DA1295SX: Mini mounting brackets (2 - "L" shaped brackets)

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