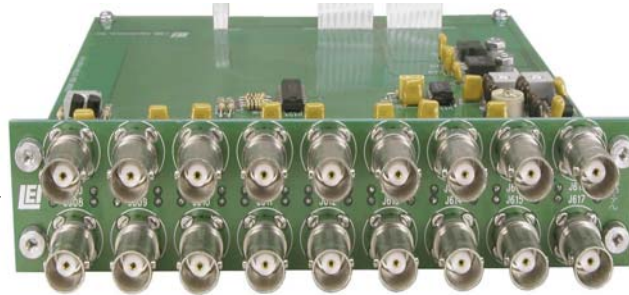


ANALOG VIDEO SWITCH MATRIX MODEL 816-OP/A



816-OP/A Analog Video Matrix



The AVS-816 has eight options to configure the unit to be Analog, SD/SDI or HD/SDI for Video and Audio. The audio can be configured for AES or Analog. The 816-OP/A is the analog video plug-in board. The AVS-816 chassis and the 816-OP/A board make up a video only switcher.

You must select the video matrix and audio matrix to make up the desired switcher format. You have the choice of analog or digital for both video and audio. In the case of AES audio, you have the option of BNC unbalanced or Plug-in 3-pin Weco balanced connectors. You can choose the 816-OP/A Analog Video, the 816-OP/C SD/SDI video or 816-OP/HD HD/SDI video for an analog, SD/SDI or HD/SDI switching only. The unit can be configured for analog audio or AES only switching.

Software is supplied with all AVS series to control up to 32 switchers from a single computer. See data sheets for the AVS-816/SA analog switcher and AVS-816/SD for SD/SDI system switcher. A remote control is available for the unit, model PSR-816. The plug-in choices are:

- AVS-816, Chassis, power supply and motherboard
- 816-OP/A, Analog video matrix, 16X1, two outputs**
- 816-OP/B, Analog audio matrix, 16X1, two outputs
- 816-OP/C, SD SDI video matrix, 16X1, one SD SDI and one analog
- 816-OP/D, AES audio matrix, 16X1, one AES and one analog
- 816-OP/E, AES rear panel for Weco 3-pin connectors
- 816-OP/F, AES rear panel for BNC connectors
- 816-OP/G, GPI option
- 816-OP/HD, HD/SD SDI video matrix, 16X1, two outputs

Customer selects the above desired options, and the factory configures to your requirement.

MODEL 816-OP/A ANALOG VIDEO SWITCHING MATRIX

SPECIFICATIONS

ANALOG VIDEO INPUTS:

Number: Sixteen (16)
Impedance: $75\Omega \pm 1\%$
Configuration: Single-ended
Level: $1V_{pp} \pm 3dB$

ANALOG OUTPUTS:

Number: Two (2)
Level: Unity Gain $\pm 1\%$
Impedance: $75\Omega \pm 1\%$
Frequency Response: $\pm 0.5dB$ to 15 MHz
..... 3dB to 30 MHz
Differential Phase: $< 0.1^\circ$
Differential Gain: $< 0.1\%$
Tilt: $< 0.5\%$
S/N Ratio: $> 70dB$
Propagation Delay: $161nS \pm 0.2nS$
Crosstalk: $> 60dB$, Worst Case

MECHANICAL:

Size:
Height: 1.375 "
Width: 6.25"
Depth: 7.0"
Weight: 8.5 oz

ENVIRONMENTAL:

Temperature: 0° to 50° C, ambient
Humidity: 0% to 90% non-condensing

POWER:

Input: 120/240 VAC $\pm 10\%$ 50/60 Hz
Power: 8 VAR



When configured, the chassis should look like this photo

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