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1X4 COMBO Composite Video & Balanced Stereo Audio DA

PN: 19-114-064 Rev A

1 X 4 Individual Gain, 12 VAC, P5, Terminal Block
Balanced Stereo Audio DA

Includes: 10 (ten) 78366 - 3-pin Terminal Block Plug

ProSeries Products

All VAC products are assembled in Boulder, CO, USA

Video Accessory Corporation

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Two Year Limited Warranty

All Video Accessory Corporation (VAC) products have a full two year limited warranty. Exclusion to the warranty include but are not limited to damage to external components, power LED failure where the product continues to functions, electrical damage due to lightning or ESD, and minor cosmetic imperfections in the epoxy that do not affect the unit's performance. The warranty shall be void if any alteration or repair of the VAC product is attempted by anyone not authorized by VAC. This warranty is expressly in lieu of all other warranties expressed or implied, including warranties of merchantability and fitness for use, and of all other obligation or liabilities on the part of VAC, and it neither assumes nor authorizes any other person to assume for it any liability in connection with the sale of this product. This warranty shall not apply to the product or any part thereof subjected to accident, negligence, alteration, abuse or misuse. No warranty whatsoever is made with respect to accessories or parts supplied by anyone other than VAC, and this warranty shall extend only to the original purchaser of the product. The warranty provided in this article is exclusive and in lieu of, and buyer hereby waives, all other remedies, express or implied, arising by law or otherwise, including consequential damages, where or not occasioned by negligence of VAC. This warranty shall not be extended, altered or varied except by written instrument signed by VAC and buyer, and shall only apply within the boundaries of the continental United States. Liability of VAC is limited repair or replacement at the option of VAC. Warranty work is to be sent to VAC. Freight charges will be the responsibility of the purchaser.

Rev. 01-01-2018

Product Overview

The VAC 19-111-064 is a combination (COMBO) composite video & balanced stereo audio DA, with unity gain. This unit has BNC connectors for video and 3-pin terminal block connectors for audio signals, and operates from 12VAC with a P5 power connector.

Connections (Refer to Figure 1)

Video Inputs - One 75 Ohm NC connector.

Video Outputs - Four 75 Ohm outputs, BNC connectors.

Audio Inputs - Two balanced Stereo (one per channel) audio (3-pin terminal block connectors).

Audio Outputs - Four balanced Stereo outputs (3-pin terminal block connectors).

Power LED - Two Power LEDs; Green. The Power LEDs indicate correct power supply operation.

Power Input - One Power Input; 2.1mm P5 style connector (not polarity sensitive).

Power Requirements

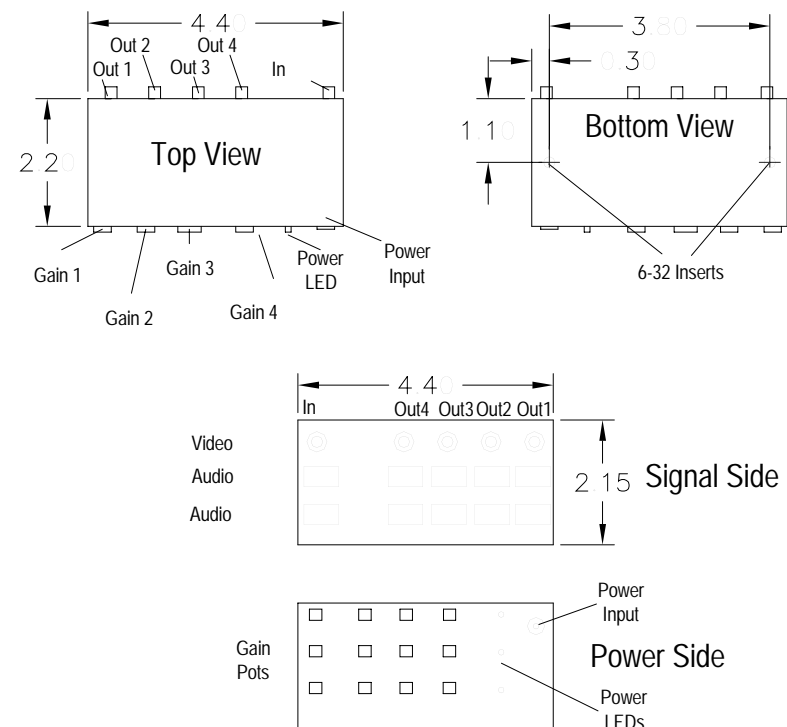
The 19-111-064 is designed to function properly with an input power of 11-13 VAC. The Brick will not operate from a DC voltage. A non-polarized 2.1mm P5 style connector is used for the power input. If the input is a grounded system, the center pin of the P5 is the power connection and the barrel is the ground side. All ProSeries units are shipped with a 12VAC, 600mA floating power supply that eliminates any ground loops through the power supply connection.

Input:

The input for this product consists of a standard 75 Ohm BNC connectors for video and two 3-pin terminal block connectors for audio (one for each channel). An input video or audio signal with excessive DC component (or offset) will cause the 19-111-064 to malfunction. The audio input signal needs to be within -1.5V to +1.5V. The input impedance is >10K Ohms for audio. The video input signal need to be within -1V to +1V. The input impedance is 75 Ohms for video.

Outputs:

The 19-111-064 has four outputs, with each output consisting of one BNC video and two 3-pin terminal block audio connector. Unused outputs do not need to be terminated for proper operation of the Brick.



PN: 19-111-064

Frequency Response

Audio Specs

DC - 100KHz @ -3dB
(1Vpp input signal)

Input Signal Level

0.5 - 3.0 V pp (within -1.5 volt to +1.5 volt range from ground)

Input Impedance

>10K Ohms

Input Coupling

DC

Input Connector(s)

3-pin TB (total of 2)

Output Connector(s)

3-pin TB (total of 8)

Configuration

Standard input, four active stereo outputs

Video Specs

DC - 200 MHz @ -3dB (1 Vpp input signal)

0-2Vpp within +/- 1 V Range (0 DC offset)

75 Ohms

DC

BNC (total of 1)

BNC (total of 4)

Stand input, four active outputs

Gain

unity

unit

Output Series Impedance

100 Ohms

75 Ohms

Package

Solid epoxy block
(2.2"W x 4.4"D x 2.15"H;
+/-0.030")

Mounting

Two threaded 6-32 inserts

Power

Internal linear supply 11-13 VAC (12 VAC wall transformer included with Brick)
< 300 mA

Power Status

Power LED indicator

Power connector

2.1mm P5 connector