

- * Compact size. Less than 7 cubic inches
- * Choice of models supporting four different data rate ranges
- * Low power consumption. Less than 2W
- * Automatic cable equalization
- * Auto re-clock / bypass any rate from 10KBPS through 2.97GBPS
- * Power, Lock and HD indicator lights
- * All connectors on one edge for easy installation

Matrix Switch Corporation HD / SDI distribution amplifiers combine exceptional performance with value. The compact size of these distribution amplifiers allows them to be located in spaces where rack space is limited.

The MSC-HDDA4 and MSC-HDDA16 include 143MBPS, 270MBPS / 1.484GBPS Auto Rate Detection with "Power OK", "Lock" and "HD" indicators. The MSC-HDDA4G3 and MSC-HDDA16G3 add 2.97GBPS 1080P 60Hz to the Auto Rate Detection system.

The MSC-AES/SPDIF4 is specifically designed for 75 ohm digital audio distribution. It features a wide range input circuit. Which will accept any level from 100MV P-P up to 5V P-P to produce four individually buffered 1V P-P outputs.

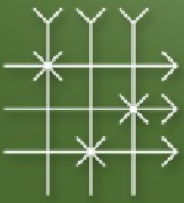
The MSC-SDI/ASI incorporates the same 1,000 foot automatic cable equalizer circuit used in the HD distribution amplifiers coupled to four in phase independent output drivers. In addition to providing the required ASI phase to all outputs, the MSC-SDI/ASI is a very cost effective product for applications that are SDI and not HD.

All external connections on one edge, which makes for a neater installation. These Matrix Switch Corporation HD / SDI distribution amplifiers include front edge indicators for power on, HD detected and Re-clocker lock indication.

The 16 output MSC-HDDA16 HD-SDI Distribution Amplifier is a unique device. By combining a single HD-SDI input equalizer and multi-rate reclocker with a transparent fanout to 16 identical outputs, the MSC-HDDA16 can be used in place of five separate four out HD-SDI Distribution Amplifiers with better performance and lower cost. If separate Distribution Amplifiers are cascaded, each Distribution Amplifier adds unwanted jitter. And because each amplifier has equalization and reclocking, the outputs from different amplifiers will have different characteristics. MSC-HDDA16 HD-SDI Distribution Amplifier would be an excellent choice for distributing reference signals throughout a facility of any other HD SDI source that needs to be the same in many places. Two MSC-HDDA16 HD-SDI Distribution Amplifiers can be mounted in a 1RU space providing wide distribution of one or two HD-SDI signals to 31 or 32 destinations.

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Specifications subject to change without notice



SPECIFICATIONS

Input impedance	75 ohms +/- 1%
Input return loss	> -15 dB at 1.5GBPS > -12 dB at 2.97GBPS
SDI HD DA Input level	800mV P-P ±20%
AES/SPDIF DA Input level	200mV - 8V P-P
Output impedance	75 ohms +/- 1%
Output return loss	> -15 dB at 1.5GBPS > -12 dB at 2.97GBPS
SDI HD DA Output level	800mV P-P +/-5%
AES/SPDIF DA Output level	1V P-P +/-5%
800mV P-P +/-5%	350m for Belden type 1694A cable
HD (1.483 - 2.97GBPS) cable equalization	175m for Belden type 1694A cable at 1.5GBPS 100m for Belden type
1694A cable at 2.97GBPS	
AES/SPDIF DA input cable	Up to 200m
SDI/HD DA Embedded audio	Clean pass through



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Distributor:

