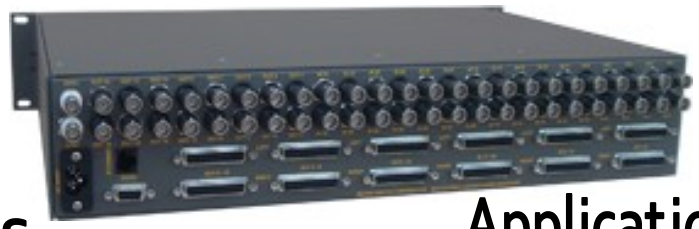
Matrix Switch Corporation

digital and analog connectivity solutions

Analog Video Matrix Switchers 16x16 through 16x256 / 256x16



Features

- Vertical interval clean switch
- RS232 control via simple ASCII based protocol
- TCP/IP Ethernet including a built in web page and SNMP control
- Redundant power supply option
- Remote software update
- Backed by a full 2 year parts and labor warranty

Applications

- Command and control centers
- Homeland security monitoring
- Emergency response centers
- Composite video
- YC two channel systems
- YUV (Y,Pr,Pb) three channel systems
- Use with Matrix Switch control panels and/or any 3rd party control system (AMX, Crestron, Calypso, Leightronix, etc.)

Extended Information

These analog video routing switchers represent the ultimate combination of performance, low price and compact size with a powerful control system.

Equal to the need for good analog signal path performance, these analog video matrix switchers are equipped with a powerful control system. Matrix Switch Corporation switchers employ a flexible and user friendly control system. In addition to a simple and logical RS232 ASCII protocol that is currently supported by a number of third party control companies, these analog switchers have other easy to use control ports. Each system has a built in web page. Unlike GUI software that must be loaded on a PC which may be OS dependent, have conflict issues or compromise system performance, the built in web page will run on any platform and with any web browser. In addition Matrix Switch Corporation offers a selection of remote control panels. These panels are TCP/IP Ethernet based, which give you the greatest flexibility in placement, quantity and how they will be networked.

The remote software update feature allows new software with new features to be easily re-loaded via the Ethernet port without the need to open up the system, use any special programming systems or development system software.

Matrix Switch Corporation Analog Video Matrix Switchers can be used as standalone analog switchers or they can be combined with an additional analog video switch to produce a YV switcher or three systems to produce an RGB switcher. The MSCVAA-3216 combines a high quality 32x16 analog video switcher in the same compact 2RU (3 1/2" high) frame, with a stereo audio 32x16. For the other sizes of Matrix Switch Corporation Analog Video Matrix Switchers a separate mono or stereo analog audio switcher can be added.

In addition Matrix Switch Corporation Analog Video Matrix Switchers can be combined with Matrix Switch Corporation AES Digital Audio Matrix Switchers, or HD - SDI serial digital Matrix Switchers. Please contact Matrix Switch Corporation or one of our qualified manufacturer's representatives so that we may help you configure exactly the system you need.

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Available Models

Model #	Inputs	Outputs	Size	Description	Price
MSCV-1616	16	16	1RU	50 MHz Analog Video Switcher	$2,000
MSCV-1664	16	64	2RU	50 MHz Analog Video Switcher	$3,800
MSCVAA-3216	32	16	2RU	50 MHz Analog Video Switcher*	$5,000
MSCV-3216	32	16	2RU	50 MHz Analog Video Switcher	$3,200
MSCV-3232	32	32	2RU	50 MHz Analog Video Switcher	$3,500
MSCV-3248	32	48	2RU	50 MHz Analog Video Switcher	$3,800
MSCV-4832	48	32	2RU	50 MHz Analog Video Switcher	$3,800
MSCV-6416	64	16	2RU	50 MHz Analog Video Switcher	$3,800

* with balanced audio in the same frame

Specifications

Input impedance	75 Ohms
Nominal input level	1V P-P
Maximum input level	+/-2V P-P
Input Return Loss	< 40dB at 5MHz typical
Output impedance	75 Ohms
Nominal Output Level	1V P-P
Maximum output level	+/-2V P-P
Output return loss	< 35dB at 5MHz typical
Overall gain Unity	+/-1% into a 75 ohm termination
Frequency response	+/- 0.1dB to 5MHz +0 -3dB to 60MHz
Crosstalk	> 60dB at 5MHz all hostile
Differential phase	< 0.2 degrees at 3.58MHz @ 4.43MHz
Differential gain	< 0.2% at 3.58MHz @ 4.43MHz
S/N ratio	>75dB 0 to 10MHz

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