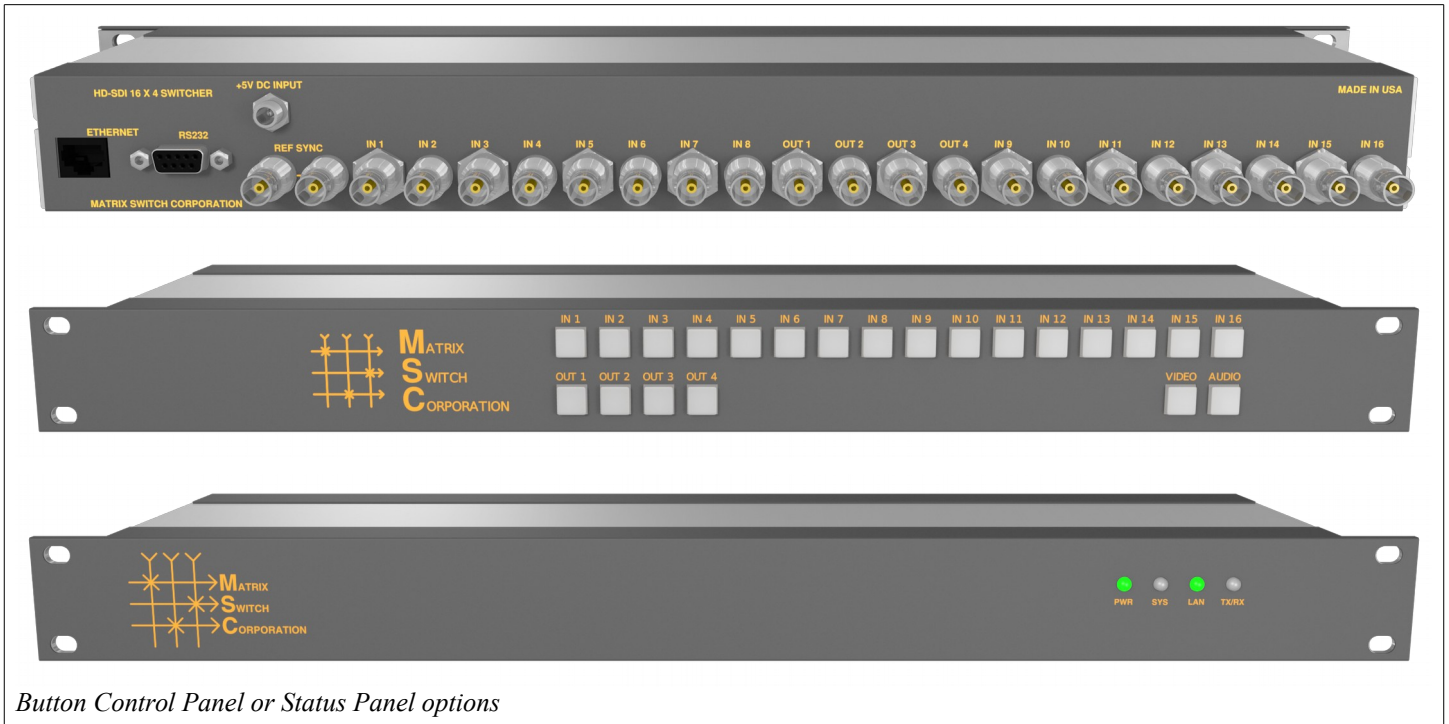


Matrix Switch Corporation Product Brief 16x4 Compact 3G/HD/SD-SDI Video Routers



Button Control Panel or Status Panel options

Matrix Switch Corporation offers the widest selection of [Compact SDI video routing switchers](#) in the industry. Our many product variations provide several matrix size, control panel and extra audio options for flexibility in purchasing only those features that are needed. These systems are all 1RU in height and less than 5 inches deep, allowing for installation in space and weight limited situations.

All of our SDI video routers pass SDI embedded audio and ancillary data.

The choice of a button control panel or status only panel provides an additional savings opportunity for applications that only use remote control panels, web page interface, telnet or RS-232 serial control.

Model numbers – Panel options

Button Panel	MSC-HD164L
Status Panel	MSC-HD164S

Feature Highlights

- Re-clocking of standard SD, HD and 3G SDI data rates
- Auto bypasses non-standard SDI rates from 20Mbit/s to 3Gbit/s
- DVB-ASI support
- Video mute on every output
- Passes SDI embedded audio and ancillary data
- Interactive web page interface ([demo](#))
- Vertical interval switching
- Store and recall up to 10 presets (complete or partial matrix state recall)
- Compact 1RU design - less than 5 inches deep and weighs less than 5 pounds
- Low power consumption (5VA to 15VA depending on model)
- Software updates via Ethernet port
- Backed by a full 2 year manufacturer parts and labor warranty
- Flexible control using the [MASCOT text based protocol](#) via TCP/IP, serial port or web page interface
- Can be used with one or more Matrix Switch Corporation TCP/IP [Remote Panels](#)



Specifications		SDI Video	
Size	19"W x 1.75"H x 5"D	Connector type	BNC
Weight	5 lbs	Data Types	SMPTE 259/292/424
Power	5 VDC	Data Rates	19 Mbit/s through 3.0 Gbit/s
Storage Temp	-10 Through +50 Deg C	Re-clocking Data Rates	270 Mbit/s, 1.485 Gbit/s, 2.97 Gbit/s
Operating Temp	0 Through +40 Deg C	Input/Output Return Loss	> 15dB @ HD, > 12dB @ 3G
Humidity	0 Through 90% Non-Condensing	Input Level	800 mV P-P +/- 20%
Warranty	2 Years Parts & Labor	Input Impedance	75 Ohms +/- 1%
Control Specifications		Cable equalization (1694A coax)	350m @ SD, 175m @ HD, 100m @ 3G
Serial RS232	9600 Baud 8N1	Output Level	800 mV P-P +/- 5%
Ethernet	10 BaseT TCP/IP	Output Impedance	75 Ohms +/- 1%
Panel Control	Local and remote button control panel options	Output Jitter	< 0.2 UI
Reference Signal			
Connector Type	Analog BNC with pass-through		
Format	NTSC, PAL and Tri-level sync		