



Video and Audio Routing Solutions www.matrix-switch.tv

Matrix Switch Corporation Product Brief 4x2 Mini 3G/HD/SD-SDI Video Router MSC-HD42L



Matrix Switch Corporation's Mini SDI video routing switchers are available in three versions: 2 inputs with 2 outputs, 4 inputs with 1 output and 4 inputs with 2 outputs. The Mini router is ideal for applications that do not need rack mounting, need a compact size and when low cost is important.

These small routers do not skimp on either technical performance or control features and employ the same high reliability components used in our other routers.

Matrix Switch Corporation routers offer flexible and user friendly control, including a built in Javascript enabled web page interface and simple yet powerful text based control protocol which can be sent via TCP/IP, RS-232 Serial Port or the web page interface.

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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)
- Small size 5 x 5 x 1.75 inches and weighs less than 2 pounds including the power supply
- Low power consumption (7VA)
- 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	5"W x 1.75"H x 5"D	Connector type	BNC
Weight	2 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	C	270 Mbit/s, 1.485 Gbit/s, 2.97 Gbit/s
Operating Temp	0 Through +40 Deg C		
Humidity	0 Through 90% Non-Condensing	Input/Output Return Loss	> 15dB @ HD, > 12dB @ 3G
Warranty	2 Years Parts & Labor	Input Level	800 mV P-P+/- 20%
	2 Tours Turis of Europe	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	

Reference Signal		
Connector Type	Analog BNC with pass-through	
Format	NTSC, PAL and Tri-level sync	

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