



Compact 1RU 8x8 SDI matrix switcher with QR code linked to the live product page.



Front panel view with local switching controls and status display.



Rear panel view with 8 SDI inputs, 8 SDI outputs, RS-232, LAN, USB, dual power inputs, and power switch.

Model Number

H-8x8SDI-SW

Manufacturer: Thor Broadcast

Product Overview: The Thor 8x8 SDI Switcher is a compact 1RU matrix switcher designed to route up to eight SDI sources to eight SDI destinations in any desired arrangement. It automatically detects SD/HD/3G-SDI video formats, including level A and level B signals, and is also compatible with DVB-ASI. The unit can be controlled from the front panel, over LAN or RS-232 using PC software, or through a USB keyboard, and includes a small LCD preview window on the front panel. Its redundant power design and compact chassis make it suitable for production, mobile trucks, live events, and theatrical AV applications.

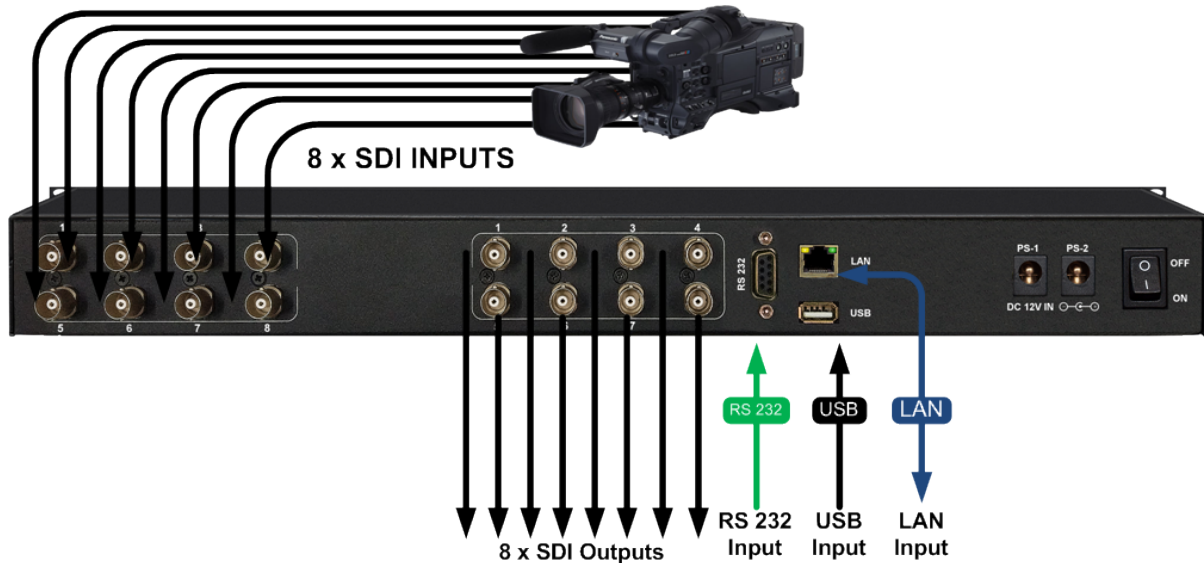
Key Specifications

Specification Category	Extracted Value
Model Number	H-8x8SDI-SW
Product Type	8x8 3G SDI HD/SD-SDI Matrix Switcher
Inputs	8 x SD/HD/3G-SDI / DVB-ASI
Outputs	8 x SD/HD/3G-SDI / DVB-ASI
Supported Video Rates	SD-SDI, HD-SDI, 3G-SDI
Supported Signal Levels	3G-SDI level A and level B
Auto Switching	Automatically selects SD, HD, and 3G-SDI on input
Control Interfaces	Front panel buttons, LAN software control, RS-232 software control, USB Type-A keyboard control
Power Connector	Threaded locking connector
Voltage Range	DC 6-24V
Power Supply	PS-1 and PS-2 redundant power inputs
Power Consumption	7W
Operating Temperature	-20°C to 60°C
Storage Temperature	-30°C to 70°C
Humidity	0% to 90%, non-condensing
Mechanical	Standard 19-inch 1RU rackmount, weight 1.1 kg
Included Accessories	Matrix switcher, DC 12V 2A power adapter x 2
Warranty	2-year limited warranty

Core Features

- 8 x 3G-SDI inputs and 8 x 3G-SDI outputs.
- Automatic SDI input format detection and equalization.
- Supports level A and level B signals.
- Passes all ancillary data and embedded audio.
- Compatible with DVB-ASI interfaces.
- Control options include front panel, LAN, RS-232, and USB keyboard.
- Includes mini 2-inch LCD view window for current program preview.
- Redundant power design for mission-critical operation.
- Compact 1RU chassis for racks, control rooms, mobile trucks, and theatrical AV.

8x8 3G SDI Matrix Switcher



Typical 8x8 SDI matrix routing example showing SDI source inputs, outputs, and control interfaces.

Supported Formats and Compliance

Format	Supported Signals
2K	2048 x 1080p at 30 / 29.97 / 25 / 24 / 23.98
1080p	1920 x 1080p at 60 / 59.94 / 50 / 30 / 29.97 / 25 / 24 / 23.98
1080i	1080i at 60 / 59.94 / 50
720p	720p at 60 / 59.94 / 50 / 30 / 29.97 / 25 / 24 / 23.98
SD	625i 50 and 525i 59.94
SDI Compliance	SMPTE 259M, 292M, 296M, 372M, 424M, 425M
Color Space / Precision	RGB 4:4:4 10bit / 12bit, YUV 4:2:2 / 4:4:4 10bit / 12bit, XYZ 4:4:4 12bit

Application Summary

Recommended Applications	Benefits
Broadcast control rooms	Route multiple cameras, playback devices, and feeds to multiple SDI outputs.
Mobile production trucks	Compact 1RU design and redundant power improve reliability in space-limited environments.
Live events and houses of worship	Fast source switching with embedded audio support and simple operation.
Theatrical AV and staging	Flexible routing of SDI sources to screens, recorders, and conversion equipment.
Monitoring / technical operations	Preview support and software control simplify operational workflows.

Control and Operation Notes

- Front panel buttons allow quick local switching and operation.
- LAN and RS-232 support enable software-based remote control.
- USB Type-A port supports external keyboard control.
- Embedded audio and ancillary data are passed through the matrix.
- Redundant power inputs help keep the switcher online in critical applications.
- QR code links directly to the product page for live documentation and updates.