

Compact - high performance HD-SDI digital video switchers



8x1, 12x1, 16x1, 4x4, 8x4, 8x1 and 8x8 HD-SDI/SDI Video Routing Switcher with Digital and Analog Audio Options

Key features:

- Automatic cable compensation up to 1,000 feet
- Automatic HD/SDI rate detect and reclocking
- RS232 and Ethernet remote control
- Compact size: 5" deep, less than 5 lb., less than 10VA
- Optional local control panel
- Optional remote control panel

Applications:

- Broadcast Studios
- Post-Production Facilities
- ENG/OB Applications
- Remote Trucks
- Flyaway video production cases

These compact switchers are an ideal solution for any HD and SDI video environment and will easily handle any SDI or HD format from 19 Mbps to 1.485 Gbps, as well as DVB-ASI signals. Each input has automatic cable loss equalization and each output auto detects standard SMPTE data rates. Standard SMPTE data rates are re-clocked. The Auto Rater Detect logic switches to bypass for any non-SMPTE data rate.

Each switcher size: 8x1, 12x1, 16x1, 4x4, 8x4, 8x1 and 8x8 is available with a variety of audio and control panel options. These include no audio (video only), AES3 S/PDIF 75 ohm digital audio on BNC I/O, AES3 Balanced 110 ohm digital audio, stereo analog audio, no local control panel, built in local control panel and or Ethernet TCP/IP based remote control panel(s).

The 8x1 and 16x1 systems each have four outputs. By incorporating output fan-out, external digital distribution amplifiers, with their attendant added jitter, cost and space requirements are avoided. The 4x4 and 8x4 systems have two outputs per channel.



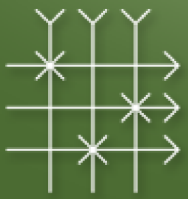
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SPECIFICATIONS

HD/SDI VIDEO INPUT:

Data Rate:	143Mbps, 270,Mbps, 1.483-1.484Gbps
Data Type:	SMPTE 259M, SMPTE 292M, SMPTE 344M, DVB-ASI
Input Cable Equalization:	Auto up to 300 meters@270 Mbps, 100 meters @ 1.485Gbps
Video Level:	800 mV
Impedance:	75 Ohm 1%
Coupling:	AC
Connector:	BNC
Return Loss:	15 dB @ 1.5Gbps

AES DIGITAL AUDIO INPUTS:

Signal Type:	75 Ohm Unbalanced or 110 Ohm Balanced
Connector Type:	BNC or multi-pin - 3 pin breakout adapters available
Level:	100mV to 10 V p-p
CMR:	>25 V

ANALOG AUDIO INPUTS:

Signal Type:	Balanced
Connector Type:	D25F with optional breakout adapters
Impedance:	> 30K Ohm
Level:	+8 dBm nominal +24 DBm maximum
CMRR:	> 70dB

HD/SDI VIDEO OUTPUTS:

Connector:	BNC
Level:	800 mV
Return Loss:	12 dB @ 1.5 Gbps
Jitter:	<0.2 UI
Impedance:	75 Ohm 1%
Vertical Interval Switching:	Line 6

AES DIGITAL AUDIO OUTPUTS:

Signal Type:	75 Ohm Unbalanced or 110 Ohm Balanced
Connector Type:	BNC or multi-pin - 3 pin breakout adapters available
Level:	7 V p-p
Jitter:	<0.25 UI

ANALOG AUDIO OUTPUTS:

Signal Type:	Balanced
Connector Type:	D25F with optional breakout adapters
Impedance:	< 30 Ohms
Level:	+8 dBm nominal +24 DBm maximum
Frequency response	10 Hz - 50 KHz +/- 0.1 dB
S/N	> 110 dB 20 Hz to 20 KHz

ENVIRONMENTAL:

Temperature:	0 C to 50 C ambient
Humidity:	10% - 100% non-condensing
Power consumption	7 VA typical
AC Voltage:	90-240VAC VAC 50 - 60Hz

MECHANICAL:

Height:	1.75" inches
Width:	19 inches
Depth:	5 inches
Weight:	4 lbs