

SOURCE SELECT SWITCHERS - SLX SYSTEMS

Sigma's SLX switchers are multi-level, configurable vertical interval systems available from 16x1 to 32x2. These systems meet the needs of video and audio professionals with high reliability for a minimum investment.

**FEATURES**

- Configurable, inexpensive, and 'glitch free'
- 16x1 to 32x2 input/output
- Synchronous vertical interval switching
- Remote control option available

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The specifications listed below apply to standard features and signal options for all SLX systems. SLX systems can be configured with any combination of available signal types. For more information on configuring a system that suits your needs, please contact our customer service center - 866 569 2681.

SPECIFICATIONS

ANALOG AUDIO

Input/Impedance	High Z, bridging
Bandwidth	150 kHz
Frequency Response	± 0.1 dB 20 Hz to 20 kHz
Hum and Noise	100 dB below maximum output
THD	<0.1%, max. at +10 dBm
Crosstalk	80 dB worst case
Max. Output Level	+21 dBm
Gain	Set for unity, adjustable ± 3 dB

DIGITAL AUDIO

Inputs	Differential, terminated 7 Vp-p max., transformer coupled, AES-3 1992
Input Impedance	110 Ω , ($\pm 20\%$) from 0.1 MHz to 6 MHz
Input Cable Length	500 ft. max. (Belden 1800A)
Output Impedance	110 Ω ($\pm 20\%$) from 0.1 MHz to 6 MHz
Output Coupling/Level	Transformer, 7 Vp-p max. (3.7 Vp-p typical)
Output Isolation	> 50 dB
Common Mode Noise	30 dB below signal from DC to 6MHz
Jitter	± 20 nsec max.
Electrical Length	DAS-161, DAS-162: 70 ns typical DAS-321, DAS-322: 140 ns typical

POWER

Voltage Range	115VAC or 230VAC, 50/60 Hz (specify with order)
Connectors	BNC for video 3 pin pluggable terminals for Audio 9 pin "D" for serial port

ANALOG VIDEO

Input/Impedance	75 Ω Terminated or High Z looping
Input Return Loss	35 dB to 10 MHz
Frequency Response	(16x1, 32x1) ± 0.5 dB, 0.1 MHz to 100 MHz (16x2, 32x2) ± 0.75 dB, 0.1 MHz to 100 MHz
Bandwidth	150 MHz min., 16x1 125 MHz min., 16x2, 32x1, 32x2
Gain	Set for unity
Hum and Noise	-80 dB rms below 1Vp-p
Differential Phase	<0.1, 10-90% APL
Differential Gain	0.1%, 10-90% APL
Crosstalk	>55 dB at 5 MHz

DIGITAL VIDEO

Video Input	SMPTE 259M-ABCD, 800mV p-p max.
Data Rate	143, 177, 270, 360 Mb/s
Output Signal	800mV p-p maximum, $\pm 10\%$
Output-Output Isolation	20 dB minimum, 5 MHz to 270 MHz
Overshoot amplitude	maximum 10% of total
Input Cable Length	Up to 1000 ft. of Belden 8281 cable

MECHANICAL

Dimensions	
1 RU Frame	19" W x 1.7" H x 8.3" D (483 x 44 x 210 mm)
2 RU Frame	19" W x 3.5" H x 8.3" D (483 x 87 x 210 mm)
Weight	
1 RU Frame	10 lb. (4.5kg) typical, configuration dependent
2 RU Frame	14 lb. (6.4 kg) typical, configuration dependent