

Specifications — System 4LD χ i Switcher

Video

Gain	Unity
Bandwidth	300 MHz (-3dB)
Crosstalk	-80dB @ 3.58 MHz
Switching speed	5 mS (max.)

Video input

Number/signal type	4 universal inputs (RGBHV, RGBS, RGsB, RsGsBs, S-video, composite video)
Connectors	4 x 5 BNC female
Minimum/maximum levels	Analog 0.3V to 2V p-p with no offset
Impedance	75 ohms (deselected inputs)
Horizontal frequency	15 kHz to 150 kHz
Vertical frequency	30 Hz to 150 Hz
Return loss	-30dB @ 5 MHz

Video output

Number/signal type	1 RGBHV, RGBS, RGsB, line-doubled video
Connectors	5 BNC female
Minimum/maximum levels	0.3V to 2.0V p-p
Impedance	75 ohms
Return loss	-25dB @ 10 MHz
DC offset	± 5 mV maximum with input at 0 offset
Switching type	Triple Action, 0 S to 5 S, adjustable

Sync

Input type	RGBHV, RGBS, RGsB, RsGsBs
Output type	RGBHV, RGBS, RGsB, RsGsBs
Standards	NTSC 3.58, NTSC 4.43, PAL, SECAM
Input level	0.5V to 5V p-p
Output level	0.5V to 5V p-p
Input impedance	510 ohms (deselected inputs)
Output impedance	75 ohms
Max input voltage	5V p-p
Max. propagation delay	5 nS
Max. rise/fall time	5 nS
Polarity	Positive or negative (follows input)

Audio

Frequency response	20 Hz to 20 kHz, ± 0.05 dB
THD + Noise	0.002% @ 1 kHz at rated maximum output drive
S/N	>95dB at rated maximum output drive
Crosstalk	<-85dB @ 20 Hz to 20 kHz, fully loaded
Stereo channel separation	>60dB @ 20 Hz to 20 kHz
CMRR	>60dB @ 20 Hz to 20 kHz

Audio input

Number/signal type	4 stereo, balanced/unbalanced
Connectors	4 5 mm captive screw connectors, 6 pole
Impedance	>10 kohms unbalanced, >20 kohms balanced, AC coupled
Maximum level	+11.2dBu, (balanced or unbalanced) at stated %THD+N
Input gain adjustment	-95.5dB to +31.5dB, adjustable per input

Audio output

Number/signal type	1 stereo, balanced/unbalanced
Connectors	1 5 mm captive screw connector, 6 pole
Impedance	50 ohms unbalanced, 100 ohms balanced
Gain error	±0.2dB channel to channel
Maximum level (Hi-Z)	>+17.2dBu, balanced or unbalanced at stated %THD+N
Maximum level (600 ohm)	>+17.2dBm, balanced or unbalanced at stated %THD+N

NOTE *0dBu = 0.775 volts (RMS).*

Control/remote — switcher

Serial control port	RS-232, 9-pin female D connector
Baud rate and protocol	9600, 8-bit, 1 stop bit, no parity
Serial control pin configurations	2 = TX, 3 = RX, 5 = GND
Program control	Extron's control program for Windows® Extron's Simple Instruction Set™ – SIS™ Extron's Advanced Instruction Set™ – AIS™

Control — projector

Projector control port	1 15-pin HD female connector
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General

Power	100VAC to 240VAC, 50/60 Hz, 20 watts, internal, auto-switchable
Temperature/humidity	Storage -40° to +158°F (-40° to +70°C) / 10% to 90%, non-condensing Operating +32° to +122°F (0° to +50°C) / 10% to 90%, non-condensing
Rack mount	Yes, with attached rack ears
Enclosure type	Metal
Enclosure dimensions	1.75" H x 17.5" W x 16.3" D (1U high, full rack width) 4.4 cm H x 44.4 cm W x 41.4 cm D (Depth excludes connectors. Width excludes rack ears.)
Product weight	10.8 lbs (4.9 kg)
Shipping weight	17 lbs (7.7 kg) DIM weight 21
Vibration	ISTA/NSTA 1A in carton (International Safe Transit Association)
Listings	UL, CUL
Certifications	CE
MTBF	30,000 hours
Warranty	3 years parts and labor

NOTE *Specifications are subject to change without notice.*

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