

Specifications

SW 4/6/8/12AV Series Switchers

Video

Gain.....	Unity
Bandwidth	
Composite video 4, 6, and 8 input models	300 MHz (-3 dB)
S-video models and composite video 12 input models	250 MHz (-3 dB)
Crosstalk	<-60 dB @ 5 MHz
Switching speed.....	<20 ms (max.)

Video input

Number/signal type	
SW 8/12V, SW 4/6/8AV/AV RCA, SW 6/8/12A/A RCA	4, 6, 8, or 12 (depending on the model) composite video
SW 6/8/12SV, SW 4/6SVA/SVA RC	4, 6, 8, or 12 (depending on the model) S-video
Connectors	
SW 8/12V, SW 4/6/8AV/AV RCA, SW 6/8/12A/A RCA	4, 6, 8, or 12 (depending on the model) female BNC
SW 6/8/12SV, SW 4/6SVA/SVA RC	4, 6, 8, or 12 (depending on the model) female 4-pin mini DIN
Nominal level	1 Vp-p for Y of S-video, and for composite video 0.3 Vp-p for C of S-video
Minimum/maximum levels.....	0.4 V to 2.0 Vp-p with no offset
Impedance	75 ohms
Return loss	<-29 dB @ 0 to 10 MHz
DC offset (max. allowable)	5.0 V

Video output

Number/signal type	
Composite video models.....	2 buffered composite video
S-video models	1 buffered S-video, 1 buffered composite video
Connectors	
Composite video models.....	2 female BNC
S-video models	1 female BNC, 1 female 4-pin mini DIN
Nominal level	1 Vp-p for Y of S-video, and for composite video 0.3 Vp-p for C of S-video
Minimum/maximum levels.....	0.4 V to 2.0 Vp-p (follows input)
Impedance	75 ohms
Return loss	-30 dB @ 5 MHz
DC offset	±5 mV with input at 0 offset
Switching type	Vertical interval switching

Sync

Genlock connectors.....	2 female BNC (1 input, 1 loop-through)
Standards.....	NTSC 3.58, NTSC 4.43, PAL, SECAM

Audio

Gain.....	Adjustable. When gain is set to unity (0 dB), balanced output from captive screw connectors or unbalanced output from RCA connectors has a 0 dB gain; unbalanced output from captive screw connectors is attenuated by 6 dB.
Frequency response.....	20 Hz to 20 kHz, ± 0.5 dB
THD + Noise.....	<0.04% @ 1 kHz at nominal level
S/N.....	>90 dB at maximum output (unweighted)

Audio input

Number/signal type	
SW 4/6/8AV, SW 4/6SVA, SW 6/8/12A	4, 6, 8, or 12 (depending on the model) stereo, balanced/unbalanced
SW 4/6AV RCA, SW 4/6 SVA RCA, SW 6A RCA	4, 6, 8, or 12 (depending on the model) stereo, unbalanced
Connectors	
SW 4/6/8AV, SW 4/6SVA, SW 6/8/12A	4, 6, 8, or 12 (depending on the model) 3.5 mm captive screw connectors, 5 pole
SW 4/6AV RCA, SW 4/6SVA RCA, SW 6A RCA	8, 12, 16, or 24 (depending on the model) female RCA
Impedance	
RCA models.....	12k ohms unbalanced, DC coupled
All other models.....	25k ohms unbalanced, 50k ohms balanced, DC coupled
Nominal level.....	+4 dBu (1.23 Vrms), -10 dBV (316 mVrms), configurable
Maximum level.....	>+15 dBu, (balanced or unbalanced) at 1% THD+N
Input gain adjustment.....	-18 dB to +24 dB, adjustable per input

NOTE: 0 dBu = 0.775 Vrms, 0 dBV = 1 Vrms, 0 dBV \approx 2 dBu.

Audio output

Number/signal type	
SW 4/6/8AV, SW 4/6SVA, SW 6/8/12A	2 stereo, balanced/unbalanced
SW 4/6AV RCA, SW 4/6SVA RCA, SW 6A RCA	1 stereo, unbalanced
Connectors	
SW 4/6/8AV, SW 4/6SVA, SW 6/8/12A	(2) 3.5 mm captive screw connectors, 5 pole
SW 4/6AV RCA, SW 4/6SVA RCA, SW 6A RCA	2 female RCA (1) 3.5 mm captive screw connector, 5 pole
Impedance.....	50 ohms unbalanced, 100 ohms balanced
Gain error.....	± 0.1 dB channel to channel
Nominal level.....	+4 dBu (1.23 Vrms), -10 dBV (316 mVrms), configurable
Maximum level (Hi-Z).....	>26 dBu, balanced; >+20 dBu, unbalanced at 1% THD+N
Maximum level (600 ohm).....	>21 dBm, balanced; >+15 dBm, unbalanced at 1% THD+N

Control/remote — switcher

Serial control port.....	RS-232, female 9-pin D connector (also used for contact closure for 4- and 6-input models)
Baud rate and protocol.....	9600 baud, 8 data bits, 1 stop bit, no parity
Serial control pin configuration.....	2 = Tx, 3 = Rx, 5 = GND
Contact closure (SW 4 and 6 models only)	
	1 female 9-pin D connector (also used for RS-232)

Contact closure pin configuration (SW 4 and 6 models only)	1 = input 1, 4 = input 2, 5 = GND, 6 = input 3, 7 = input 4, 8 = input 5, 9 = input 6
IR controller module	Extron IR 102 kit (optional)
Program control	Extron control/configuration program for Windows® Extron Simple Instruction Set (SIS™)

General

Power supply.....	Internal Input: 100-240 VAC, 50-60 Hz, 20 watts
Temperature/humidity	Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing Operating: +32 to +122 °F (0 to +50 °C) / 10% to 90%, noncondensing
Cooling.....	Convection, no vents
Mounting	
Rack mount	Yes, with included rack mounting kit
Furniture mount	Yes, with optional under-desk mounting kit
Enclosure type	Metal
Enclosure dimensions	1.75" H x 17.4" W x 8.5" D (1U high, full rack wide) 4.4 cm H x 44.2 cm W x 21.6 cm D (Depth excludes connectors.)
Product weight.....	7.0 lbs (3.2 kg)
Shipping weight.....	10 lbs (5 kg)
Vibration	ISTA 1A in carton (International Safe Transit Association)
Regulatory compliance	
Safety	CE, c-UL, UL
EMI/EMC	CE, C-tick, FCC Class A, ICES, VCCI
Warranty.....	3 years parts and labor

NOTE: All nominal levels are at ±10%.

NOTE: Specifications are subject to change without notice.

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