

Specifications

SW DVI Plus Series

NOTE: *Appropriate DVI-D to HDMI cables or adapters are required for HDMI signal input/output.

Video

Maximum data rate.....	4.95 Gbps (1.65 Gbps per color)
Maximum pixel clock.....	165 MHz
Resolution range.....	Up to 1920x1200 or 1080p @ 60 Hz
Formats.....	RGB and YCbCr digital video
Standards.....	DVI 1.0, HDMI

Video input

Number/signal type.....	2, 4, 6, or 8 single link DVI-D (or HDMI*)
Connectors.....	2, 4, 6, or 8 female DVI-I
Equalization.....	+6 dB or +12 dB, switch selectable for each input

Video output

Number/signal type.....	1 single link DVI-D (or HDMI*)
Connectors.....	1 female DVI-I

Audio (SW DVI A Plus models only)

Gain.....	Unbalanced output: 0 dB; balanced output: +6 dB
Frequency response.....	20 Hz to 20 kHz, ± 0.05 dB
THD + Noise.....	0.01% @ 1 kHz at nominal level
S/N.....	>90 dB at maximum output (unweighted)
Crosstalk.....	<-45 dB @ 20 kHz, -72 dB @ 1 kHz or below
Stereo channel separation.....	>80 dB @ 20 Hz to 20 kHz

Audio input (SW DVI A Plus models only)

Number/signal type.....	2, 4, 6, or 8 stereo, unbalanced
Connectors.....	(2, 4, 6, or 8) 3.5 mm mini audio jacks (tip = L, ring = R, sleeve = GND)
Impedance.....	>10k ohms unbalanced, DC coupled
Nominal level.....	-10 dBV (316 mVrms)
Maximum level.....	+8.2 dBV, unbalanced at 1% THD+N

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

Audio output (SW DVI A Plus models only)

Number/signal type.....	1 stereo, balanced/unbalanced
Connectors.....	(1) 3.5 mm captive screw connector, 5-pole
Impedance.....	50 ohms unbalanced, 100 ohms balanced
Maximum level (Hi-Z).....	>+16.5 dBu, balanced; >8.2 dBV, unbalanced at 1% THD+N
Maximum level (600 ohm).....	>+10.4 dBm, balanced; >7.1 dBm, unbalanced at 1% THD+N

Communication – switcher

Serial control port	
SW2 and SW4 DVI Plus.....	1 RS-232 9-pin female D
All other models.....	1 RS-232 3.5 mm captive screw connector, 5-pole (shared with auto-input switching control)
Baud rate and protocol	9600 baud, 8 data bits, 1 stop bit, no parity
Serial control pin configurations	
SW2 and SW4 DVI Plus.....	2 = Tx, 3 = Rx, 5 = GND
All other models.....	1 = Tx, 2 = Rx, 3 = GND
Contact closure	SW6 and SW8 DVI Plus models; and SW2, SW4, SW6, and SW8 DVI A Plus only: For auto-input switching only. (1) 3.5 mm captive screw connector, 5 pole (shared with RS-232)
Contact closure pin configuration...	SW6 and SW8 DVI Plus models; and SW2, SW4, SW6, and SW8 DVI A Plus only: 4 and 5 shorted together enable auto-input switching mode.
IR controller module	IR 102 Remote Control, optional 30' maximum, 40 degrees off axis
Program control	Extron Universal Switcher Control/configuration program for Windows® Extron Simple Instruction Set (SIS™)

General

Power supply	External Input: 100-240 VAC, 50-60 Hz Output: 12 VDC, 1 A
Power consumption	
SW2 and SW4 DVI Plus	
Device	2.6 watts, 12 VDC
Device and power supply...	5.3 watts, 12 VDC
SW2 and SW4 DVI A Plus	
Device	3.5 watts, 12 VDC
Device and power supply...	4.5 watts, 12 VDC
SW6 and SW8 models	
Device	7.7 watts, 12 VDC
Device and power supply...	10 watts, 12 VDC
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
Thermal dissipation	
SW2 and SW4 DVI Plus	
Device	9.2 BTU/hr
Device and power supply...	18.1 BTU/hr
SW2 and SW4 DVI A Plus	
Device	11.6 BTU/hr
Device and power supply...	15.0 BTU/hr
SW6 and SW8 models	
Device	27.1 BTU/hr
Device and power supply...	34.1
Mounting	
SW2 and SW4 models	
Rack mount	Yes, with optional rack shelf kit Back of the rack mountable with optional back-of-the-rack mounting kit
Furniture mount	Yes, with optional under-desk mounting kit
SW6 and SW8 models	Rack mountable with included bracket kit
Enclosure type	Metal

Enclosure dimensions

SW2 and SW4 models	1.75" H x 8.75" W x 3.0" D (1U high, half rack wide) (4.4 cm H x 22.2 cm W x 7.6 cm D) (Depth excludes connectors.)
SW6 and SW8 models	1.75" H x 17.5" W x 8.5" D (1U high, full rack wide) (4.4 cm H x 44.4 cm W x 21.6 cm D) (Depth excludes connectors.)

Product weight

SW2 and SW4 models	0.6 lbs (0.3 kg)
SW6 and SW8 models	3.8 lbs (1.7kg)

Shipping weight

SW2 and SW4 models	2 lbs (1 kg)
SW6 and SW8 models	5 lbs (3 kg)

DIM weight SW6 and SW8 models only: 6 lbs (2.7 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, KCC, VCCI

Warranty 3 years parts and labor

NOTE: All nominal levels are at $\pm 10\%$.

NOTE: Specifications are subject to change without notice.

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