

Specifications

SW HDMI Series

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

Video

Maximum data rate.....	6.75 Gbps (2.25 Gbps per color)
Maximum pixel clock.....	165 MHz
Resolution.....	Up to 1920 x 1200, 2K, or 1080p @ 60 Hz, 12-bit color
Formats.....	RGB and YCbCr digital video
Standards.....	DVI 1.0, HDMI, HDCP

NOTE: The SW HDMI Series switchers support TMDS data rates up to 6.75 Gbps, Deep Color up to 12-bit, 3D**, HD lossless audio, and other HDMI specification features.

**Extron strongly recommends compatibility testing while designing and before installing a 3D system. There are several different 3D formats in use by content providers and display manufacturers. 3D support in this product is limited to signals operating within a 165 MHz pixel clock and requires format and EDID compatibility between source and sink devices. Please contact an Extron Application Engineer for more information.

Video input

Number/signal type.....	2, 4, 6, or 8 (depending on model) single link HDMI (or DVI-D*)
Connectors.....	2, 4, 6, or 8 female HDMI type A

Video output

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

Communication – Switcher

Serial control port.....	(1) RS-232, 3.5 mm captive screw connector, 5 pole (shared with auto-input switching control)
Pin configuration.....	1 = Tx, 2 = Rx, 3 = GND
Baud rate and protocol.....	9600 baud, 8 data bits, 1 stop bit, no parity
Auto-input switching.....	(1) 3.5 mm captive screw connector, 5 pole (shared with RS-232)
Pin configuration.....	Pins 4 and 5 of captive screw connector shared with RS-232 shorted together enable auto-input switching.
Contact closure.....	1 or 2 (depending on model) 3.5 mm captive screw, 5 pole
Pin configuration.....	Pin 1 = input 1 contact Pin 2 = input 2 contact Pin 3 = input 3 contact Pin 4 = input 4 contact Pin 5 = GND Pin 6 = input 5 contact Pin 7 = input 6 contact Pin 8 = input 7 contact Pin 9 = input 8 contact Pin 10 = GND
Tally output.....	1 or 2 (depending on model) 3.5 mm captive screw, 5 pole
Pin configuration.....	Pin 1 = input 1 tally ground Pin 2 = input 2 tally ground Pin 3 = input 3 tally ground Pin 4 = input 4 tally ground Pin 5 = +5 V Pin 6 = input 5 tally ground Pin 7 = input 6 tally ground Pin 8 = input 7 tally ground Pin 9 = input 8 tally ground Pin 10 = +5 V
IR controller module.....	IR 102 remote control (optional) 30' maximum, 40 degrees off axis
Program control.....	Extron Simple Instruction Set (SIS™)

General

Power supply	
SW2 HDMI, SW4 HDMI.....	External Input: 100-240 VAC, 50-60 Hz Output: 12 VDC, 1 A, 12 watts
SW6 HDMI, SW8 HDMI.....	Internal Input: 100-240 VAC, 50-60 Hz
Power consumption	
SW2 HDMI, SW4 HDMI	
Device	4.5 watts, 12 VDC
Device and power supply...	5.2 watts, 12 VDC
SW6 HDMI, SW8 HDMI.....	8.0 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
Thermal dissipation	
SW2 HDMI, SW4 HDMI	
Device	9.5 BTU/hr
Device and power supply...	12.1 BTU/hr
SW6 HDMI, SW8 HDMI.....	17.0 BTU/hr
Mounting	
SW2 HDMI, SW4 HDMI	
Rack mount.....	Yes, with optional 1U rack shelf
Furniture mount	Yes, with optional under-desk mounting kit or through-desk mounting kit
SW6 HDMI, SW8 HDMI	
Rack mount.....	Yes, with supplied mounting brackets
Enclosure type	Metal
Enclosure dimensions	
SW2 HDMI, SW4 HDMI.....	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 HDMI, SW8 HDMI.....	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 HDMI, SW4 HDMI.....	0.5 lb (0.3 kg)
SW6 HDMI, SW8 HDMI.....	2.5 lbs (1.1 kg)
Shipping weight	
SW2 HDMI, SW4 HDMI.....	2 lbs (1 kg)
SW6 HDMI, SW8 HDMI.....	5 lbs (3 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
Environmental.....	Complies with appropriate requirements of RoHs and WEEE.
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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