

Specifications

SW HD 4K PLUS Series

TRUE 4K specification – HDMI SW variant

Max. 4K Capabilities		
Resolution and Refresh Rate	Chroma Sampling	Max. Bit Depth per Color
4096 x 2160 at 60 Hz	4:4:4	8 bit
3840 x 2160 at 60 Hz		
4096 x 2160 at 30 Hz		
3840 x 2160 at 30 Hz		
4096 x 2160 at 60 Hz	4:2:0	12 bit
3840 x 2160 at 60 Hz		

Frame rate¹ 24, 25, 30, 50, or 60 fps
 Chroma sampling¹ 4:4:4, 4:2:2, or 4:2:0
 Color bit depth¹ 8, 10, or 12 bits per color
 Signal type HDMI 2.0b, HDCP 2.3
 Max. video data rate 18 Gbps (6 Gbps per color)

NOTE: ¹Subject to the maximum data rate limit. Use our calculator at www.extron.com/8Kdata to determine video parameters supported by this data rate.

Video

Maximum data rate 18 Gbps (6 Gbps per color)
 Maximum pixel clock 600 MHz
 Resolution Up to 1920 x 1200 or 1080p @ 60Hz, 12 bit color
 4K (4096 x 2160) @ 60 Hz with 4:4:4 color space, 8 bit color (Max for HDMI)
 UHD (3840 x 2160) @ 60Hz with 4:4:4 color space, 8 bit color
 Formats RGB and YCbCr digital video
 Standards DVI 1.0, HDMI 2.0b, HDMI 1.4, HDCP 1.4, HDCP 2.3, CEA-861E

NOTE: The SW HD 4K PLUS Series switchers support TMDS data rates up to 18 Gbps, HDR, up to 12 bit deep color, 3D**, HD lossless audio, and other HDMI specification features.

**Extron strongly recommends compatibility testing while designing and before installing any 3D system. There are several unique 3D formats in use by source devices and display manufacturers. The 3D support in this product is limited to signals operating within 164 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

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Video output

Number/signal type.....	1 single link HDMI (or DVI-D*)
Connectors.....	1 female HDMI type A
Power for active cables.....	1.1 W max. for the HDMI port

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

Communication

Serial control port.....	1 RS-232, 3.5 mm, 3 pole captive screw connector
Pin configuration.....	1 = Tx, 2 = Rx, 3 = GND
Baud rate and protocol.....	9600 baud, 8 data bits, 1 stop bit, no parity
USB control port.....	1 female mini USB B on front panel
USB standards	USB 2.0, low speed
Ethernet data rate	10/100Base-T, half/full duplex, with auto detect
Ethernet protocol	ARP, ICMP (ping), IP, TCP, DHCP, HTTP, SMTP, Telnet
Program control	Extron control/configuration program for Windows® Extron Simple Instruction Set™ (SIS™) Microsoft® Internet Explorer® Telnet
Contact closure/tally output	
SW2 HD 4K PLUS.....	(1) 3.5 mm captive screw, 5 pole (C,T,C,T,+V)
SW4 HD 4K PLUS.....	(1) 3.5 mm captive screw, 5 pole (C,T,C,T,+V) (1) 3.5 mm captive screw, 4 pole (C,T,C,T)
SW6 HD 4K PLUS.....	(6) 3.5 mm captive screw, 3 pole (C,G,T) (1) 3.5 mm captive screw, 3 pole (+V)
SW8 HD 4K PLUS.....	(8) 3.5 mm captive screw, 3 pole (C,G,T) (1) 3.5 mm captive screw, 3 pole (+V)
	C = contact, G = ground, T = tally, +V = +5 V

General

Power supply	
SW2 and SW4 HD 4K PLUS ...	External Input: 100-240 VAC, 50-60 Hz Output: 12 VDC, 1.5 A, 18 watts
SW6 and SW8 HD 4K PLUS ...	Internal Input: 100-240 VAC, 50-60 Hz
Power consumption	
SW2 and SW4 HD 4K PLUS	
Device	3.9 watts, 12 VDC
Device and power supply...	5.5 watts, 12 VDC
SW6 and SW8 HD 4K PLUS ...	12.1 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 and SW4 HD 4K PLUS	
Device	12.2 BTU/hr
Device and power supply...	17.8 BTU/hr
SW6 and SW8 HD 4K PLUS ...	40.4 BTU/hr

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Mounting

SW2 and SW4 HD 4K PLUS

Rack mount Yes, with optional 1U rack shelf

Furniture mount Yes, with optional under-desk mounting kit or through-desk mounting kit

SW6 and SW8 HD 4K PLUS

Rack mount Yes, with supplied mounting brackets

Enclosure type Metal

Enclosure dimensions

SW2 and SW4 HD 4K PLUS ... 1.75" H x 8.75" W x 6.0" D (1U high, half rack wide)
(4.4 cm H x 22.2 cm W x 15.2 cm D)
(Depth excludes connectors.)

SW6 and SW8 HD 4K PLUS ... 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 HD 4K PLUS ... 1.2 lbs (0.5 kg)

SW6 and SW8 HD 4K PLUS ... 2.5 lbs (1.1 kg)

Regulatory compliance..... CE, c-UL, UL, PSE, RoHs, and WEEE

Product warranty 3 years parts and labor

Everlast power supply warranty..... 7 years parts and labor

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

NOTE: Specifications are subject to change without notice.

NOTE: Shipping weights and dimensions are available at www.extron.com.

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