

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		12 bit
3840 x 2160 at 30 Hz		
4096 x 2160 at 60 Hz	4:2:0	
3840 x 2160 at 60 Hz		

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

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.

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
Horizontal frequency	15 KHz to 270 KHz for resolutions up to 18 Gbps
Vertical frequency.....	24 Hz to 240 Hz for resolutions up to 18 Gbps

Specification • SW HD 4K PLUS Series (Continued)

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.

Audio input

Number/signal type	
SW2 HD 4K PLUS.....	2 HDMI, embedded
SW4 HD 4K PLUS.....	4 HDMI, embedded
SW6 HD 4K PLUS.....	6 HDMI, embedded
SW8 HD 4K PLUS.....	8 HDMI, embedded
Connector	
SW2 HD 4K PLUS.....	2 female HDMI type A
SW4 HD 4K PLUS.....	4 female HDMI type A
SW6 HD 4K PLUS.....	6 female HDMI type A
SW8 HD 4K PLUS.....	8 female HDMI type A
Supported formats	
Analog de-embedding.....	LPCM-2Ch
HDMI pass-through	LPCM up to 7.1/24-bit/192 kHz, Dolby Atmos, Dolby TrueHD, and Dolby legacy formats
	DTS:X, DTS-HD Master Audio, DTS 96/24, and DTS legacy formats

Audio output

Number/signal type.....	1 HDMI, embedded
Connector.....	1 female HDMI type A

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, SNMP, SSH, 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

Specification • SW HD 4K PLUS Series (Continued)

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

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.

5578-D7