

Specifications

DA HD 4K PLUS Series

TRUE 4K specification

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	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 2.2
 Max. video data rate 18.0 Gbps (6 Gbps per color)

NOTE: ¹Subject to the maximum data rate limit. Use our calculator (<http://www.extron.com/4KdataRate>) to determine video parameters supported by this data rate.

Video

Maximum data rate 18.0 Gbps (6 Gbps per color)
 Maximum pixel clock 600 MHz
 Resolution range Up to 4096x2160 @ 60 Hz (4K), 3840x2160 @ 60 Hz (UHD),
 1920x1200 or 1080p @ 60 Hz
 Formats RGB and YCbCr digital video
 Standards DVI 1.0*, HDMI 2.0b, HDCP 2.2

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

NOTE: Extron strongly recommends compatibility testing while designing, and before installing any 3D or HDR (high dynamic range) system. There are several unique 3D and HDR formats in use by source devices and display manufacturers. The level of 3D and HDR product support is governed by pixel clock, signal format, and communication between source and sink devices. Please contact an Extron Application Engineer for more information.

Video input

Number/signal type 1 single link HDMI (or DVI-D*)
 Connectors 1 female 19-pin HDMI type A
 Input cable length Up to 15 feet (4 meters) with a 600 MHz signal (100 feet (30 meters) with 165 MHz)

Specification • DA HD 4K PLUS Series (Continued)

Video output

Number/signal type	
DA2 HD 4K PLUS	2 single link HDMI (or DVI-D*)
DA4 HD 4K PLUS	4 single link HDMI (or DVI-D*)
DA6 HD 4K PLUS	6 single link HDMI (or DVI-D*)
Connectors	
DA2 HD 4K PLUS	2 female 19-pin HDMI type A
DA4 HD 4K PLUS	4 female 19-pin HDMI type A
DA6 HD 4K PLUS	6 female 19-pin HDMI type A

Communications

Serial control port.....	RS-232, 3.5 mm, 3-pole captive screw connector
Baud rate and protocol.....	9600 baud, 8 data bits, 1 stop bit, non-parity
Serial control pin configuration	1 = Tx, 2 = Rx, 3 = GND
USB control port.....	1 front panel, female, mini USB B
USB standards	USB 2.0
Program control.....	Extron Simple Instruction Set (SIS™)

General

Power	
DA2 HD 4K PLUS	External Input: 100-240 VAC, 50-60 Hz Output: 12 VDC, 0.5 A, 6 watts
DA4 HD 4K PLUS and DA6 HD 4K PLUS	Internal Input: 100-240 VAC, 50-60 Hz
Power consumption	
DA2 HD 4K PLUS	
Device	3.6 watts
Device and power supply...	4.8 watts
DA4 HD 4K PLUS	8.6 watts
DA6 HD 4K PLUS	10.6 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	
DA2 HD 4K PLUS	
Device	10.2 BTU/hr
Device and power supply...	14.3 BTU/hr
DA4 HD 4K PLUS	25.5 BTU/hr
DA6 HD 4K PLUS	30.5 BTU/hr
Mounting	
Rack mount.....	Yes, with optional rack shelf kit
Enclosure type	Metal
Enclosure dimensions	
DA2 HD 4K PLUS	1.00" H x 4.30" W x 3.00" D (one quarter rack wide) 25 mm H x 109 mm W x 76 mm D (depth excludes connectors)
DA4 HD 4K PLUS and DA6 HD 4K PLUS	1.75" H x 8.75" W x 6.00" D (1U high, half rack wide) 44 mm H x 222 mm W x 152 mm D (Depth excludes connectors)
Product weight	
DA2 HD 4K PLUS	0.35 lbs (0.2 kg)
DA4 HD 4K PLUS and DA6 HD 4K PLUS	1.6 lbs (0.7 kg)

Specification • DA HD 4K PLUS Series (Continued)

Regulatory compliance..... CE, c-UL, UL, C-Tick, FCC Class A, ICES, VCCI, AS/NZS, RoHS, 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.

4242-D4