

Specifications

DA HD 4K Series

TRUE 4K specification

| Max. 4K Capabilities | | |
|-----------------------------|-----------------|--------------------------|
| Resolution and Refresh Rate | Chroma Sampling | Max. Bit Depth per Color |
| 4096 x 2160 at 30 Hz | 4:4:4 | 8 bit |
| 3840 x 2160 at 30 Hz | | |
| 4096 x 2160 at 60 Hz | 4:2:0 | |
| 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 bits per color
 Signal type HDMI 1.4, HDCP 1.4
 Max. video data rate 10.2 Gbps (3.4 Gbps per color)

NOTE: ¹Subject to the maximum data rate limit. Use our calculator (<http://www.extron.com/8KdataRate>) to determine video parameters supported by this data rate.

Video

Maximum data rate 10.2 Gbps (3.4 Gbps per color)
 Maximum pixel clock 300 MHz
 Resolution range Up to 1920x1200 or 1080p @ 60 Hz, 12-bit color, 4K (4096x2160) @ 30 Hz, UHD (3840x2160) @ 30 Hz
 Formats RGB and YCbCr digital video
 Standards DVI 1.0*, HDMI 1.4, HDCP 1.4

NOTE: 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 level of 3D 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.

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

Video input

Number/signal type 1 single link HDMI (or DVI-D*)
 Connectors 1 female 19-pin HDMI type A

Video output

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

Specifications • DA HD 4K Series (Continued)

Control/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, low speed |
| Program control..... | Extron Simple Instruction Set (SIS™) |

General

Power

| | |
|-----------------------------|-------------------------------|
| DA2 HD 4K | External |
| | Input: 100-240 VAC, 50-60 Hz |
| | Output: 12 VDC, 0.5 A 6 watts |
| DA4 HD 4K and DA6 HD 4K ... | Internal |
| | Input: 100-240 VAC, 50-60 Hz |

Power consumption

| | |
|----------------------------|-----------|
| DA2 HD 4K | |
| Device | 3.3 watts |
| Device and power supply... | 4.3 watts |
| DA4 HD 4K | 8 watts |
| DA6 HD 4K | 10 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, vents on top

Thermal dissipation

| | |
|----------------------------|-------------|
| DA2 HD 4K | |
| Device | 8.9 BTU/hr |
| Device and power supply... | 12.4 BTU/hr |
| DA4 HD 4K | 23.5 BTU/hr |
| DA6 HD 4K | 28.2 BTU/hr |

Mounting

Rack mount..... Yes, with optional rack shelf kit

Enclosure type..... Metal

Enclosure dimensions

| | |
|-----------------------------|--|
| DA2 HD 4K | 1.0" H x 4.3" W x 3.0" D (one quarter rack wide) |
| | 2.5 cm H x 10.9 cm W x 7.6 cm D (depth excludes connectors) |
| DA4 HD 4K and DA6 HD 4K ... | 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) |

Product weight

| | |
|-----------------------------|-------------------|
| DA2 HD 4K | 0.35 lbs (0.2 kg) |
| DA4 HD 4K and DA6 HD 4K ... | 1.6 lbs (0.7 kg) |

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 ±10%.

NOTE: Specifications are subject to change without notice.

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

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