

Extron

Specifications

DA2 HD 8K AE

TRUE 8K specification

Max. 8K Capabilities			
Resolution	Refresh Rate	Chroma Sampling	Max. Bit Depth per Color
7680x4320	60 Hz	4:2:0	10 bit
	30 Hz	4:4:4	
Max. 4K and 5K Capabilities			
Resolution and Refresh Rate		Chroma Sampling	Max. Bit Depth per Color
5120x2880	60 Hz	4:4:4	12 bit
5120x1440			
4096x2160			
3840x2160			
3840x2160	120 Hz		10 bit

Frame rate¹ 24, 25, 30, 50, 60, or 120 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 2.1, HDCP 2.3

Max. video data rate 40.1 Gbps

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

Video

Maximum data rate 40.1 Gbps

Maximum pixel clock 1.2 GHz

Resolution range

VESA 640x480 to 7680x4320

SMPTE Up to 1080p @ 240 Hz or 8K @ 60 Hz (4:2:0 chroma sampling)

Ultra Wide & 5K 2560x1080, 3440x1440, 3840x1080, 3840x1440, 3840x1600, 5120x1080, 5120x1440, 5120x2160, 5120x2560, 5120x2880

Color bit depth 8, 10, or 12 bits — subject to the max data rate

Formats RGB and YCbCr digital video

Standards DVI 1.0*, HDMI 2.1, HDCP 1.x, HDCP 2.3

HDR HDR10, HDR10+, and Dolby Vision

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.

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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 (4.0 m)
Horizontal frequency	15 kHz to 270 kHz for resolutions up to 40.1 Gbps
Vertical frequency	24 Hz to 240 Hz for resolutions up to 40.1 Gbps
EDID emulation.....	128 - 512 byte EDID support (1 - 4 blocks)

Video output

Number/signal type.....	2 single link HDMI
Connectors.....	2 female 19-pin HDMI type A
Power for active cables.....	1.25 W total power for HDMI port
Peripheral device power	250 mA per HDMI output

Audio input

Digital	
Number/signal type	1 digital embedded audio on HDMI
Connectors	1 female 19-pin HDMI type A
Embedded audio formats	LPCM up to 7.1/24-bit/192 kHz, Dolby® Digital EX, Dolby Digital Plus™, Dolby Digital 5.1, Dolby Digital 2.0 Surround, Dolby Digital 2.0, Dolby TrueHD, Dolby Atmos™, DTS-HD Master Audio, DTS-X, DTS-HD, DTS-ES Discrete 6.1, DTS-ES Matrix 6.1, DTS-Digital Surround 5.1, DTS 2-Channel

Audio output

Digital	
Number/signal type	2 digital embedded audio on HDMI
Connectors	2 female HDMI
Analog	
Number/signal type	1 stereo balanced/unbalanced
Connector	(1) 3.5 mm captive screw connector, 5-pole
Impedance.....	50 ohms unbalanced; 100 ohms balanced
Maximum level	>+12 dBV balanced, +6 dBV unbalanced

Communications — unit

USB control port.....	1 female USB-C on front panel
USB standards	USB 2.0 high speed
Program control	Extron Simple Instruction Set (SIS™), Extron PCS

General

Power supply	External
	Input: 100-240 VAC, 50-60 Hz
	Output: 12 VDC, 3 A, 36 watts
Power consumption	TBD watts
Ambient 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.....	TBD BTU/Hr
Mounting	
Rack mount	Yes, with optional rack shelf kit
Enclosure type	Metal
Enclosure dimensions.....	1.00" H x 4.30" W x 6.00" D (1 inch high, quarter rack wide)
	(25 mm H x 109 mm W x 152 mm D)
Product weight	TBD lbs (TBD kg)
Regulatory compliance	CE, c-UL, UL, C-Tick, FCC Class A, ICES, VCCI
Product warranty.....	3 years parts and labor
Everlast power supply warranty	7 years parts and labor

Specifications • DA2 HD 8K AE (Continued)

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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