

Industry's First 4K/60 @ 4:4:4 HDMI Scalers

Written by Roger Douglas
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Extron Electronics introduces the **DSC HD-HD 4K Plus A** and **DSC HD-HD 4K Plus A xi**, the AV industry's first scalers that can process 4K/60 video signals at 4:4:4. HDCP 2.2 compliant HDMI 2.0 inputs and outputs support data rates up to 18 Gbps.

The **DSC HD-HD 4K Plus A xi** provides the added flexibility of scaling and managing 4K/60 as a dual path signal. The scalers provide many integrator-friendly features, such as on-screen display, stereo audio embedding and de-embedding, internal test patterns, and the ability to display custom on-screen images and logos.

"We are extremely pleased to be the first to deliver scalers that support 4K resolutions at 60 Hz with 4:4:4 signal processing. The DSC HD-HD 4K Plus A scalers are ideal for critical-quality imaging of full-motion video and highly detailed graphics in the most demanding 4K applications," says Casey Hall, VP Sales and Marketing for Extron.

The DSC HD-HD 4K Plus A and DSC HD-HD 4K Plus A xi incorporate the Extron-exclusive [Vector 4K scaling engine](#)

--the latest generation of Extron scaling, engineered in-house for critical-quality 4K signal processing. Whether integrating legacy sources with 4K displays, or downscaling 4K content to HD displays, Vector 4K provides the processing for any 4K application.

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The DSC HD-HD 4K Plus A has a single HDMI input and output that support resolutions up to 4096x2160 at 60 Hz. The DSC HD-HD 4K Plus A xi features a pair of HDMI inputs and outputs. The additional input and output allow integration with source devices and displays that support 4K as two columns. The DSC HD-HD 4K Plus A xi can also accept two matched-resolution inputs for side-by-side display on a single screen, or provide duplicate outputs for driving a pair of displays.

In addition to 4K signal integration and processing capabilities, these scalers offer several features that enhance and simplify AV system integration. Custom images can be displayed as a screen saver, HDCP notification, or corporate branding. An image can also be displayed as a logo with full position and keying control.

The DSC HD-HD 4K Plus A and DSC HD-HD 4K Plus A xi also include audio integration capabilities, including discrete, selectable analog and digital audio muting, input gain and attenuation, and output volume control.

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