

# Redefining the matrix switch

## DISPLAYNET®

is the premier SDVoE AVoIP platform based on an innovative combination of class-leading hardware and bespoke software.

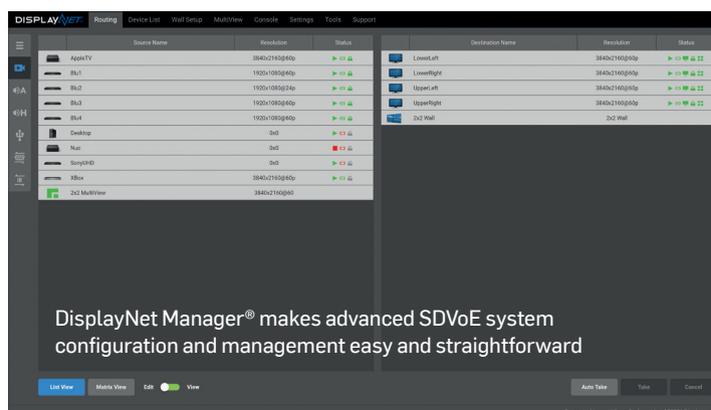
Industry analysts agree that SDVoE is positioned to become the dominant platform for video signal distribution in 2020.

By utilising the full bandwidth of 10G Ethernet, SDVoE can match the performance of traditional AV matrix switchers, with zero frame latency and zero loss in signal quality. SDVoE provides the unique combination of infinitely scalable signal distribution and advanced video processing functionality, creating a unified platform for all end-user applications. Unlike matrix switchers, SDVoE systems offer cross-vendor interoperability and are infinitely expandable, with no need to replace expensive core components when the system needs updating.

### Unmatched performance and versatility

The DisplayNet family of products includes the DN-200 Series and the DN-150 Series. Both product lines offer 4K/60 4:4:4 video routing and are fully interoperable. Additionally, all DisplayNet encoders and decoders utilise fanless, thermally efficient enclosures that are completely silent.

DN-200 Series TX and RX units are



equipped with Advanced Video Processing capabilities, enabling features such as fast switching, configurable video walls, a customizable MultiViewer, and audio de-embedding. Additionally, they support optional full-bandwidth USB 2.0 routing, as well as input support for DisplayPort 1.2. These features enable DisplayNet to serve as a single standardized platform for all AV distribution needs, removing the need for expensive, dedicated video processing hardware.

DN-150 Series TX and RX units forego built-in video processing to deliver unprecedented value among SDVoE devices. At an approximate 30% cost savings over the DN-200 Series, dedicated DN-150 TX and RX

units are ideal for sources where MultiView is not required and displays where fast switching and video wall capability is not needed.

### A bright future is ahead

New for 2020, the DN-150-TX-Quad HDMI Input Module delivers the lowest cost-per-port among existing SDVoE solutions. The module integrates directly into the NETGEAR M4300-96X network switch, with no external power, mounting, or connectivity requirements. By tightly integrating all onboard components, the DN-150-TX-Quad leverages the connectivity of four individual DN-150-TX units, providing significant gains in port density at half of the cost-per-port.



The DN-150-TX-Quad HDMI Input Module for NETGEAR® M4300-96X

Later this year, a new generation of DisplayNet products based on SDVoE ASICs will provide customers with similar functionality at significantly lower price points than previously available, thereby making DisplayNet an ideal solution for an even wider range of applications.

### A software-defined solution

DisplayNet systems include the powerful DisplayNet Manager®, a class-leading web-based control interface, renowned both for its ease of use and its appeal to system programmers. "Our product roadmap is almost entirely customer-driven", said Matthew Pulsipher, Product Manager. "We frequently talk to existing and prospective customers to see what we can do to meet their specific needs, and then we implement those features into the DisplayNet platform. Some of the features that have come out of this process include Advanced Video Wall processing for asymmetric walls, support for customizable MultiView layouts, and Preset management, which allows integrators to save or recall system states with a single command. Our bespoke approach has been very well received by both system integrators and end users."

By combining the performance of the SDVoE standard with resilient hardware, a focus on high-quality software, and a deeply customer-oriented approach to product development, DisplayNet has established itself as the premier platform for AV distribution. To learn more about how DisplayNet can benefit you, please contact DVIGear for a direct one-to-one consultation. ■

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