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[DVI Gear Logo](#) • [DisplayNet Logo](#) • [SDVoE Logo](#) • [DN-200 Series](#) • [ISE 2017 Best of Show](#)

DVIGear's Next Generation DisplayNet® AV-over-IP Product Awarded ISE 2017 Best of Show

DN-200 Series Uses SDVoE Technology to Enable True AV/IT Convergence

Marietta, Georgia, USA – March 1, 2017 – DVIGear, a leading manufacturer of digital AV connectivity solutions, introduced the next generation of DisplayNet AV-over-IP products at ISE 2017. The DisplayNet DN-200 Series is built on the SDVoE platform, giving systems integrators an enormous AV signal distribution feature-set while taking advantage of readily available and cost-effective 10GbE Ethernet infrastructure. The DN-200 Series was awarded ISE 2017 Best of Show from NewBay Media's Installation Magazine, which marks the ninth product award garnered by the [DisplayNet](#) AV-over-IP product line.

AV/IT Convergence, the Wait is Over

For years, the Professional AV community has talked about AV/IT convergence. The idea of using standard, reliable network equipment to distribute pixel-perfect quality video makes eminently good sense. The migration to AV-over-IP distribution is part of the larger trend employing Ethernet connectivity across all technology-based industries. With decades of industry experience and global acceptance, Ethernet is the dominant standard for device connectivity worldwide. Evidence of this trend is already clear in the Professional Audio market, which has widely adopted network-based signal transport technology. It is both natural and inevitable that the Professional AV market will follow a similar course to realize the enormous benefits made possible by the transition to AV-over-IP technology.

Even still, there have been roadblocks to AV/IT convergence. Until recently, there has been a lack of clear standards and technology capable of supporting the bandwidth demands of uncompressed high-resolution video. As a stopgap, many AV manufacturers have been touting compressed Video-over-IP implementations. However for many Professional AV applications, pixel-perfect quality is paramount. For these applications, the signal latency and visual artifacts associated with conventional Video-over-IP products are simply unacceptable. For such applications, relying on compression CODEC's is a step backward, not forward. Until recently, the high bandwidth network equipment capable of supporting uncompressed high-resolution AV signals simply has not been widely available and has been cost-prohibitive.

But technology has advanced and the situation has changed. DisplayNet employs [SDVoE technology](#) to enable uncompressed high resolution AV signals to be distributed over standard, off-the-shelf 10GbE Ethernet network switches. At the same time, 10GbE technology is now globally available and the price-per-port has dropped dramatically over the last few years, and this trend is expected to continue. With the advent of low-cost, high bandwidth 10GbE Ethernet switches and the choice of either CAT-6A or optical fiber cabling, the cost of installing 10GbE infrastructure is relatively insignificant within the overall scope of a DisplayNet AV-over-IP system. The old Video-over-IP paradigm was that high-resolution video signals must be compressed and then force-fed through a 1GbE network infrastructure – adding latency and degrading signal quality. This approach made sense at an earlier time when there was no alternative for an uncompressed solution. However, the 1GbE approach has become outdated thanks to the availability of low-cost 10GbE network infrastructure, which now paves the way for the ProAV community to take full advantage of SDVoE technology.



DisplayNet DN-200 Series Wins ISE 2017 Best of Show

At ISE 2017, DVIgear introduced the next major advancement in the [DisplayNet](#) AV-over-IP product line: the **DN-200 Series**. When compared to the original DN-100 Series (shipping since 2015), the DN-200 Series gives systems integrators access to a dramatically expanded feature-set. It adds support for resolutions up to 4K /60p (4:4:4) with 8-bit color, or 4K /60p (4:2:2 and 4:2:0) with up to 12-bit color (HDR). Furthermore, the DN-200 Series includes an HDMI 2.0 input that fully supports HDCP 2.2, plus a DisplayPort 1.2 input as well as support for High Speed USB 2.0 (480 Mbps.). Within the 10GbE bandwidth limit, there is zero compression and when the data rate exceeds 10Gbps., negligible compression (ratio of 1.4:1) is employed. A powerful scaling engine has been added in both the transmitter and receiver units that enables MultiViewer applications and more robust Video Wall capabilities, as well as full seamless switching regardless of input resolution. The DN-200 Series is available in four models: with or without USB as well as either CAT-X twisted pair cables or signal distribution over fiber optic media using industry standard SFP+ optical modules. All four models will begin shipping later in Q2.2017.

With all this in view, Installation Magazine from NewBay Media awarded the DisplayNet DN-200 Series ISE 2017 Best of Show. The magazine commented, "Boasting high-speed USB 2.0 connections as well as HDMI 2.0 and HDCP 2.2, the DisplayNet DN-200 series is super-scalable and super-powerful, supporting real-time resolutions up to 4K. The internal scaling in the Tx and Rx allows for very robust videowall applications and also multiviewer applications."

"We are delighted and grateful that Installation Magazine has recognized the DisplayNet DN-200 Series with this award," said DVIgear President Steven Barlow. "But even more importantly, the ProAV community is recognizing the market-wide impact that SDVoE technologies such as DisplayNet can have. The synergy of AV and IT is being realized in a more profound way without the compromises inherent in conventional Video-over-IP products. Clearly, this is the future of ProAV signal distribution."

About DVIgear

Founded in 1999, DVIgear is a leading supplier of Digital Connectivity Solutions for a wide range of professional display applications. Located in Marietta, Georgia, USA, DVIgear offers an extensive portfolio of high performance digital video distribution products including: DisplayNet AV signal distribution over 10GbE Ethernet Systems, Switchers, Splitters, Extenders, Converters, Scalers, as well as long-length copper and optical cables. For more information, visit [DVIgear.com](#) and [DisplayNet.com](#). Follow us on [LinkedIn](#), [Facebook](#), and [Twitter](#).

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