

95 Products, Innovations That Define 2017

These solutions had an impact on how integrators solve customers' meeting, learning and presentation challenges. **By Tom LeBlanc**

It's not about the products. The value that integration firms and consultants bring to customers is in understanding their unique organization challenges and designing systems that solve them.

That being said, products are a big part of those solutions. Throughout 2017 the industry saw great innovation from its manufacturers. It was a year in which companies focused on how meetings are changing and sought to provide product solutions that help integrators address their clients emerging huddle- and conference-room needs.

Meanwhile, how content is distributed evolved throughout 2017. Many manufacturers touted new AV-over-IP solutions while others focused on streaming products. There were also several product innovations that aim to help customers (and perhaps integrators) create their own content to then be distributed.

The products we've gathered here are, by no means, the only products released during 2017, nor do they create an all-encompassing list of beneficial products for the industry. With that disclaimer in place, however, you've got to admit that these 95 products go a long way toward defining the direction that integration took in 2017.

AUDIO

QSC — Q-SYS Core 510i



The Q-SYS Core 510i Integrated Core Processor, the next evolution of the Q-SYS

Platform, leverages the latest Intel platform using a QSC-developed Linux real-time oper-

ating system. The Core 510i processor can be configured as a full Q-SYS audio, video and control (AVC) processing appliance or as an I/O peripheral that can accommodate any combination of Q-SYS I/O cards, including Dante, AVB and CobraNet.

Yamaha Professional Audio — VXS1ML Compact Speaker with VXS3S sub



It features a 1.5-inch full-range driver unit that, thanks to a powerful neo-

dymium magnet and other refinements, delivers on sonic quality despite its size. It offers wide 170-degree horizontal and vertical dispersion so large spaces are served by a relatively small number of speakers. The VXS3S subwoofer employs Yamaha's SR-Bass technology and achieves natural bass reproduction in a compact enclosure.

Shure — Axient Digital Wireless System



Axient Digital delivers the flexibility to work in the available spectrum with minimal signal loss. In conjunc-

tion with RF stability, Axient Digital features Dante, AES67 and AES3, and has a 20Hz to 20 kHz range with a flat frequency response and accurate transient response. The product is scalable with up to 184 MHz of tuning bandwidth for all transmitters and receivers, allowing for extended spectrum coverage and inventory simplification.

Paradigm — Garden Oasis Loudspeaker System



Ideal for outdoor applications the Garden loudspeaker system delivers dynamic, natural sound, and weatherproof technology. The fully scalable system includes 4-inch

and 6-inch satellite speakers, as well as 10- and 12-inch subwoofers. Each satellite speaker can be switched between 8 ohm, 70V and 100V options. Paradigm's patent pending Reduced Edge Diffraction (RED) technology enhances dispersion.

MartinLogan — Outdoor Living Series Speakers



The all-weather speaker solution consists of the Outdoor Sat 40 and Outdoor Sat 60 satellite speakers featuring 4- and 6-inch woofers, 0.75-inch

tweeters, and switchable input including 8-Ohm, 70-Volt, and 100-Volt options; the Dynamo Outdoor Sub 100 and Dynamo Outdoor Sub 120 subterranean subwoofers featuring 10- and 12-inch woofers, working in 8-Ohms; and mounting accessories include a ground stake, surface mount bracket, and burial conduit junction.

Bose — ControlSpace EX Series



This Dante-based conferencing lineup includes a full-

featured, open-architecture conferencing processor and three under-table boxes. According to CI's reviewer, Bose Professional's notable Dante DSP and three under table boxes, improved Dante features and new conferenc-

ing-specific DSP modules will save time throughout the design and installation of any integrated conference room.

Kramer — KN-DSP100



Calling it the industry's first ever digital sound processor (DSP), the KN-DSP100

Kramer Sound server enables simultaneous processing of 64 input channels and distribution of over 1000 outputs. The KN-DSP100 has a lot of adjectives — single-box, plug-and-play, hardware- and software-based, IT-oriented ... the list goes on. The company adds that it's compatible with Dante.

Audix — M70



This flush mount condenser microphone is designed for distance and features a fully integrated preamp, an

extremely high sensitivity rating of 38 millivolts and a small footprint of only 3 inches in diameter. The M70 applications include video conferencing, distance learning, hospital rooms, surveillance and ambient room miking.

Meyer Sound — Ashby Loudspeakers



The unique in-ceiling loudspeaker Ashby is self-powered and provides a

choice of the 5-inch 5C model and the 8-inch 8C models, which it says are designed to deliver a wide soundstage for a variety of applications such as houses of worship, conference room and public locations, including train and bus depots. The UL compliant Ashby line features a concentric design and new waveguide that optimizes the speakers' dispersion.

Rockustics — XT-PowerRock



The two-way XT-PowerRock is a rock-style loudspeaker that can be placed in locations such as gardens, pools and patios. The

93dB-efficient speaker's high-frequency driver employs a 1.3-inch diameter diaphragm with a 1-inch throat on an 80-degree

conical horn. An 8-inch woofer reproduces low frequencies, and Rockustics says the speaker handles up to 250 watts of power. The speaker includes a 120-watt transformer with an 8-ohm bypass option.

Radial Engineering — DAN-TX and DAN-RX Stereo Dante Audio Converters



Utilizing the Dante platform from Audinate, the DiNet DAN-TX and DAN-RX Dante stereo converters are engineered to provide a simple and reliable way to transmit and receive stereo analog audio signals over a Dante network. Integrators can utilize the DiNet DAN-TX and DAN-RX for an array of audio functions. The DAN-TX can be used to connect mono instruments, as well as stereo musical components, and pro audio components for monitoring situations.

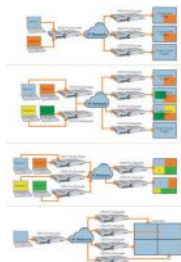
CONTENT

Crestron — Studio



It streamlines setup of meeting rooms, presentation rooms, conference rooms, classrooms, lecture halls, and auditoriums. When an input is disconnected, the room calendar can automatically be displayed onscreen rather than the display automatically powering off. For education applications, the auto-switch input can automatically go to the teacher's confidence monitor rather than the room display.

ClearOne — VIEW Pro 4K



The line of 4K-capable, IP-based, multimedia streaming products updates ClearOne's existing VIEW Pro series of AV-over-IP streaming devices with the E110 4K encoder and D110 4K decoder, employing both H.264 lossless compression and H.265 high-efficiency video coding compression. The devices support 4K resolution at 60 frames-per-second. The new 4K product line delivers 4:4:4, 24-bit color multimedia streaming.

Biamp — Biamp System Tesira LUX



It introduces low-latency, 4K-networked video capabilities to the Tesira ecosystem through the addition of an AVB/TSN-enabled video encoder (TesiraLUX IDH-1) and decoder (TesiraLUX OH-1). It transports both audio and video signals over a single network through the reliability of AVB/TSN.

Extron — StudioStation



Scaling and flexible signal processing enable superior recording of nearly all HDMI source resolutions. The default recording configuration is 720p at 5Mbps. Configurations are customizable to support virtually any application. StudioStation creates MP4 media file recordings for versatility and compatibility with most any media player or editing software.

Vaddio — AV Bridge MatrixMIX



An addition to its AV Bridge line, Vaddio calls its AV Bridge MatrixMIX the "the industry's first AV production switcher that brings live event production to UC applications such as Skype for Business, WebEx and Google Hangouts." It can be used in a host of applications including live production, automated presentation, and UCC.

Audio-Technica — Podcast Mics



Appropriate for organizations producing streaming videos, YouTube videos, social media videos and podcasts, Audio-Technica offers AT8024 Stereo/Mono Camera-Mount Microphone, AT2020USB+ Cardioid Condenser USB Microphone, AT2020USBi Cardioid Condenser USB Microphone, System 10 Camera-Mount Portable Digital Wireless System, BP40 Large-Diaphragm Dynamic Broadcast Microphone, AT2005USB Cardioid Dynamic USB/XLR Microphone.

Matrox Graphics — MaeveX 6150 Quad 4K Enterprise Encoder



A complete enterprise-wide streaming and recording appliance, the MaeveX 6150 dramatically increases the potential encoding density for a stand-alone appliance and is the first in the world to deliver Quad 4K Enterprise Encoder input capture and encode, supporting a total of four concurrent 4K streams and recordings. The video solutions manufacturer calls MaeveX 6150 the ideal appliance to simultaneously stream on premises, stream to the cloud, or record for distribution later.

MEETING SPACES

Crestron — Mercury TabletOP Conference System



Its technology enables users to instantly and securely present content wirelessly on the room display from a laptop, smartphone, or tablet using built-in Crestron AirMedia. Workers can collaborate with colleagues via Crestron Mercury from a laptop or dedicated in-room PC using any soft phone, web conferencing or UC application, such as Skype for Business, Cisco WebEx, GotoMeeting, or Slack.

Barco — ClickShare CSE-800



Features include simultaneous sharing of up to eight people, automatic and manual moderation, blackboarding and annotation, and a wider range of connectivity options — including AirPlay and Google Cast support for non-HDCP content. The CSE-800 was designed for enterprise.

Vivitek — NovoTouch



Available in 65-inch, 75-inch, 86-inch and 98-inch, it's an Ultra HD 4K interactive large format display which integrates NovoConnect Collaboration Technology. NovoTouch supports up to a 20-point finger touch capability and creates a convenient way to share, compare and collaborate

in various settings using one-click management. The meeting host software allows the presenter to connect up to 64 users, display four presenters with one-click control, preview screens, moderate and more.

Vaddio — ConferenceSHOT AV



The ConferenceSHOT AV Conferencing System is designed for bring-your-own-device (BYOD) collaboration in huddle rooms and small to medium conference spaces. The system supports customized AV designs with third-party equipment, or can be deployed as stand-alone solution. The USB 3.0-based ConferenceSHOT AV supports any collaboration application enabling UC soft clients, such as Skype for Business, WebEx, Google and more, to become a group collaboration application.

Vaddio — RoboSHOT 20 UHD Camera



The RoboSHOT 20 UHD Camera is an Ultra HD (4K) PTZ (pan/tilt/zoom) camera which can be directly paired with Vaddio's OneLINK HDMI receiver, providing camera power, control and video over a single cable. OneLink HDMI extends UHD Video, 100BaseT Ethernet, RS-232, and power up to 100 meters/328 feet on a standard Cat 5e cable. Based upon HDBaseT technology, the RoboSHOT 20 UHD can also be directly connected to HDBaseT-compliant AV switches.

Crestron — Room Scheduling



It adds a level of productivity for organizations with multiple conference rooms and meeting spaces. Crestron Scheduling Touch Screens connect directly to Microsoft Exchange or other popular calendaring programs, such as Google Calendar and IBM Notes, to book impromptu meetings on panels outside of rooms or search for and book spaces based on location, number of attendees, and type of meeting.

Mersive — Solstice Multi-Room



Solstice, a collaboration solution that enables multiple users to connect simultaneously to a shared display using a range of devices over a Wi-Fi or Ethernet network, has extended its capabilities from in-room to room-to-room, helping to enhance collaboration across a broader area. With Solstice Multi-Room, every pod will be able to start a multi-room session.

KanexPro — HDBT-VTSC72-4K Video Tiler and Presentation Scaler Switcher



It's engineered to upscale HDMI, DisplayPort and VGA devices such as laptops, Blu-ray players and desktops to a true 4K resolution and creating a quad window experience fit for any collaboration space, according to KanexPro. KanexPro says it's an ideal fit for workplaces requiring access to anytime collaboration with virtualization, cloud computing, cloud content sharing and telepresence.

Prysm — Quick Start



It's a feature that enables employees to access Prysm Visual Workplace without logging in, providing a fast and convenient tool that enables teams and individuals to quickly brainstorm or capture thoughts from an ad hoc meeting, according to the press release. Using Quick Start, participants can pair devices, via a wired connection or wireless sharing, engaging with content or sketching and capturing ideas using Prysm's digital whiteboard capabilities.

Logitech — BRIO 4K Pro Webcam



Claiming its new webcam delivers the highest quality desktop and streaming video experience available today, Logitech argues the BRIO 4K Pro is the best webcam ever made. "It's certainly the most technically sophisticated webcam ever made," said Joan Vandermate, head of marketing for Logitech's collaboration business unit.

IBM and Ricoh — Watson-Powered Interactive Whiteboards



The whiteboard uses IBM's Watson intelligence and voice technologies to actively support people in meetings by responding to commands, taking notes and actions and even translating into other languages. The Intelligent Workplace Solution leverages IBM Watson IoT and Ricoh's easy-to-use interactive whiteboards to change the way teams meet and collaborate through new intuitive features that can be accessed using voice.

Yamaha — CS-700



Those that have worked with Revolabs on meeting room

audio solutions since before Yamaha acquired it three years ago, will notice is that the CS-700 all-in-one huddle room collaboration solution is branded as Yamaha. The manufacturer chose to focus on small space solutions because that's where meetings tend to be these days, says Revolabs senior product manager Holger Stolze.

Marshall Electronics — CV612HT-4KW & CV612HT-4K PTZ Cameras



With both white and black options, Marshall Electronics new 4K PTZ Cameras with HDBaseT and

HDMI come with a variety of features: 1/2.3-inch 9MP UHD sensor; clear image zoom; wide angle of view; 128 present locations; and it's compatible with integrated video conferencing systems.

Nureva — HDL300



At the heart of the HDL300 is Nureva's Microphone Mist

audio processing technology, which fills a room with virtual microphones that pick up sound from anywhere in the room. No matter where you sit, how you move, or what direction you face, with the HDL300 Audio Conferencing System, a virtual microphone will pick up your voice.

Samsung — DM82E-BR



The DM82E-BR is an 82-inch display that includes a touch overlay, and is engineered to be a bright, easy-to-use e-board solution. Features include an on-board media player, built-in loudspeakers and e-board software that enable its use in a variety of applications. The DM82E-BR also has Wi-Fi connectivity options to allow users to link to the display from their mobile devices to yield full support of presentations and the sharing of information.

DIGITAL SIGNAGE & VIDEO WALLS

Leyard — LED MultiTouch Interactive Video Wall



It's an LED touch-enabled video wall, providing a smooth, light-weight touch surface with patent-pending Leyard PLTS (Pliable LED Touch Surface) technology. The MultiTouch offers a touch experience for LED video walls up to 196-inch diagonal with high resolution 1.2 millimeter pixel pitch. Up to 32 simultaneous touch points enable multiple users to simultaneously interact with the video wall without affecting other users.

LG — Wallpaper OLED (55EJ5C)



With a depth of just 3.65mm, the OLED display sits flush against walls and comes with slim mounting brackets with a magnetic mat. The LG OLED Wallpaper can be installed either vertically or horizontally for a customizable display design. Electronic components are housed in a separate control box connected with a 2-meter (6.5-foot) cable.

LG — Transparent LED Film Display



The display "ushers LG into an entirely new product segment," rounding out its already broad

digital signage portfolio, according to the company. The LED Film offers over 1,000 nits brightness, with each 480x480mm panel containing 256 LED pixels that support gray-scale tones. It also supports standard and irregular aspect ratios to provide even more display options with a dynamic look and feel.

InFocus — Jupiter Control 1000 Series



These 4K display wall processors feature the Canvas collaborative visualization

software platform and "come fully preconfigured as standalone display wall processors with high-performance hardware that can decode up to eight IP streams and support up to 10 direct video connections," according to the InFocus press release.

Barco — UniSee



The line of video wall products is based on a modular construction approach that features LCM panels that fit onto a mounting system powered by gravity. It provides businesses with rooms such as meeting rooms, lobbies, reception areas, experience centers and control rooms with a high level of performance — and it's completely bezel-less to provide a seamless video wall experience.

Aeson — Vanguard LED's Axion Series



It was hard to miss Aeson's Vanguard LED display at InfoComm 2017.

The video wall maker boasts: Fully front serviceable; installation from front; no cables; up to 24 bit color video processing; 18 bit gray scale; refresh rate of up to 3840hz; Macroblock IC drivers; moire reduction mask; and zero Latency Processing.

Christie — FHD553-XU



Christie enhanced its Christie Ultra Series line of products with the launch of the FHD553-XU. These LCD panels are ideal for reli-

able, high-performance video walls and that the FHD553-XU is designed for control rooms and visualization markets.

Just Add Power — 3G+4+ Tiling



Transmitter

Touted as the world's first

4K network video tiler, it allows any four 4K source devices to be displayed on a single screen instantly, according to a press release. Added to the Just Add Power's Ultra HD over IP matrix switching system, it enables users to simultaneously watch four 4K video sources in multiple formats, including single-screen, video wall, or tiled video.

ViewSonic — Digital Signage Displays with Built-in Media Players



ViewSonic released three digital signage displays with built-in media players and an array of

features. The CDM Series features 43-, 49- and 55-inch displays, each with a slim indus-

trial design, thin bezels and multiple connectivity options for ease-of-use.

CONNECTIONS, CONTROL, TRANSPORT & OTHER CHALLENGES

Aurora — HTX-TC1



Aurora deems it "the first all-in-

one IP transceiver product to use HDBaseT for local connectivity." The HTX-TC1, a 10G Ethernet switch port, can transmit and receive full bandwidth in both directions on a single port. Most current AV-over-IP solutions require a 48-port switch and two ports: one for encoding and one for decoding. The HTX-TC1 only requires a 24-port switch.

Crestron — DigitalMedia 4K60 4:4:4 HDR Network AV Encoder/Decoder



Crestron's Digital Media 4K60 4:4:4 HDR Networking AV Encoder/Decoder

provides a high-performance, real-time AV encoder or decoder that transports 4K60 4:4:4 video over standard Gigabit Ethernet as well as supports HDR10 and HDCP 2.2. The device enables fully-scalable, enterprise-wide 4K content distribution and has USB and KVM Integration.

DVIGear — DVI-7340 / DVI-7341 MultiPort 4K Fiber Optic Extenders



The DVI-7340 and DVI-7341 are 4K Optical

Extenders which support an enormous array of signal types with or without HDCP content protection. They support ultra-high resolutions up to 4K (UHD). They extend HDMI v1.4 (HDCP compliant) signals with high image quality at resolutions up to 3840x2160/30p (4:4:4) and 3840x2160/60p (4:2:0). They support cable distances of up to 1,000 feet with or without HDCP and up to 1.2 miles without HDCP.

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Extron — XTP II CrossPoint Series



With a modular design, 50 Gbps switching backplane, hot-swappable components, integrated Extron technologies, as well as advanced 24/7 system monitoring and control, the XTP II CrossPoint Series is designed to provide continuous, trouble-free operation in the most critical applications. The series supports 48 Gbps data rates of the HDMI 2.1 specification, as well as DisplayPort 1.4.

Audinate — Dante Domain Manager



Dante Domain Manager is server-based software that manages Dante networks. Integrators can define specific AV device groupings by room, building, and site, reducing confusion for customers. Dante Domain Manager contains a user-defined dashboard where managers can monitor critical information about the Dante network, including redundancy, latency, clock status, bandwidth utilization and more.

SureCall — Force5 2.0



The Force5 2.0 is equipped with SureCall's proprietary SENTRY remote monitoring and control hardware that provides the integrator with remote access to adjust and optimize booster performance. The five-band, cellular signal booster combines PCS and Cellular dual-bands with LTE and AWS frequencies for all major North American cell carriers. The device is also able to sync with an app for remote access.

Xantech — EX Series High-speed HDMI Cable with X-GRIP Technology



The EX Series cables can withstand up to 10 pounds of force, making truck rolls nearly impossible. One layer of aluminum encases the entire head and down into the strain relief to prevent EMI. The cables' HDR transmission ability is fast and clear with a bandwidth faster than 18 Gbps at

4K@50/60 (2160p) and four times the clarity of 1080p/60 video resolution.

AptoVision — BlueRiver NT1000



This AV-over-IP chipset lets manufacturers replace traditional AV matrix switches with IP switches to offer a complete AV-over-IP product line at a variety of price points. It also enables the creation of endpoints (encoders and decoders) with much smaller footprints, making them ideal for installations where saving space is a priority.

Draper — FlexShade Recharge



FlexShade Recharge shades are quiet, battery-operated shades with rechargeable batteries that are designed in situations where a motorized option is desired but wiring would be cost prohibitive or just not possible. The shades can be installed in larger window openings — up to 12 feet high and 12 feet wide. The FlexShade Recharge can be recharged from a 110-Volt outlet or an optional solar panel, and each charge lasts months.

LynTec — NPAC



LynTec's Networkable Power Automation Control (NPAC) is a ready-to-install power protection, control, and audio sequencing solution in a single 2RU unit that manages up to 80 amps. Pre-terminated for easy installation, it provides protection and control to a range of applications without an electrician or subcontractor hardwiring in a power control panel.

Nextivity — Cel-Fi QUATRA



It's an active DAS hybrid that is scalable, cost-efficient, and easy to deploy for delivering high quality in-building cellular coverage in venues up to 200,000 square feet. It operates in off-air mode or can be integrated with carrier small cell equipment and operated in distributed small cell mode, creating a Supercell. It's self-configuring and distributes RF over

Ethernet (RFoE), and leverages Power-over-Ethernet (POE).

Cleerline — SSFFKIT02E & SSF-FKIT03P Termination Kits



The SSF Basic and SSF Professional Fiber Termination Kits include high-precision wheel cleavers, fiber strippers, Aramid scissors, visual fault locators, and convenient carrying and storage cases. Work efficiency is maximized with the cleaver's automatic collector for fiber shards and off cuts. The blade provides up to 48,000 cleaves via an easy blade position selection.

D-Tools — System Integrator 2017 (SI 2017)



The software ties estimation, system design, and project management into a singular, data-driven process. Customer Portal enables users to publish proposals, change orders, drawings and other client-facing documents to the web for improved client engagement. Users are notified when a customer reviews, comments or accepts proposals, streamlining the process and improving communications throughout the project lifecycle.

Comprehensive — Pro AV/IT 4K 4x4 HDMI Matrix, 18Gbps (YUV:444), HDCP 2.2



This 4x4 matrix switcher features four HDMI inputs and four HDMI outputs, and provides true matrix routing for HDMI signals for distribution of any four connected HDMI sources to any of four HDMI displays. This device also supports all HDMI 3D, and advanced audio formats. It's a fit for showroom displays, lecture halls, retail sales displays and more.

Key Digital — KD-MLV4x2



This UHD/4K MultiView Seamless Matrix Switcher offers UHD/4K resolution

up-scaling, multi-view window processing, analog to digital conversion of incoming VGA or YPbPr with analog audio signals, audio de-embedding, and independent audio from video matrix selection. It's ideal for digital signage, video wall, conference & board room, class room, home theater and bar/restaurant applications.

Atlona — AT-UHD-CLS0-840



This eight-input, four-output 4K HDMI and HDBaseT matrix switcher is Atlona's says flagship 4K matrix switcher. It's built for video conferencing, multi-screen presentations, and divisible room installations. The CLS0-840 offers both local and remote inputs and outputs for flexibility across AV formats and connectivity options, providing a powerful matrix solution for classroom, corporate, and hospitality environments, according to an Atlona press release.

QSC — Q-SYS Software Running on Dell Hardware



The collaboration created a shift that allows customers and integrators to decouple existing Q-SYS software from proprietary hardware and create an architecture where centralized AVC processing can live in the data center. "This is the first time ever, at least in our little niche AV industry, where we can see real-time processes like audio processing, video processing and control, all running up on mainstream IT hardware," QSC's TJ Adams told CI.

Aurora Multimedia — 10G PoE Network Switch



Aurora says this 10G PoE solution will allow the 10G PoE of the IPX Series transceiver to receive PoE directly from the network switch. It also introduced its new IPX-TC2 Series IPBaseT Transceiver. Aurora's IPX Series is the first 10G streaming product to use PoE but has been waiting for a 10G network switch to complement the capability.

Comprehensive Connectivity — Pro AV/IT 18G 4K HDMI Splitters



Its latest family of connectivity solutions, the Pro AV/IT 18G 4K HDMI Splitters, includes HDMI splitters that support Ultra High Definition (UHD) 4K at 60Hz 2160p. Engineered for applications that include huddle spaces, classrooms, collaboration systems, conference rooms, showroom displays, lecture halls, retail sales displays and other similar businesses and municipalities, the company says the Pro AV/IT 18G 4K HDMI Splitters offer integrators a choice of signal management solutions.

Contemporary Research — Venue Vizion



It "can create multiple in-house channels of high definition content that are sure to engage viewers," wrote Contemporary Research VP of operations and marketing Christy Ricketts in a company blog. Meanwhile, the company sees ease of installation as a big selling point for Venue Vizion, according to VP of sales Matthew Sittloh. It comes pre-rack ready, he says.

Hall Research — SSW-HD-4



This 4-input HDMI seamless video switch includes multi-view capabilities "where all inputs can be simultaneously shown in real-time in a variety of window configurations," according to the company press release. The switcher supports various PC and HDTV resolutions including 1080p full HD on its input and produces a scaled full HD video output.

Luxul, Domotz — Domotz PRO Service Feature



Network monitoring and remote tech support provider Domotz added a Manufacturer Support feature available in Domotz PRO with the help of its partner Luxul. The feature allows professional installers to

share access to their customers' network with Luxul's support team for real-time troubleshooting. Once the problem is resolved, the dealer can revoke access.

Media Solutions — MS-TestPro Handheld HDBaseT & Cabling Testing Device



Installers can now generate an MS-TestPro HDBaseT Certification Report, which generates a certification report, inspects the quality of each cable installed and simplifies the installation of HDBaseT networks, including compatibility with the 4K format. The MS-TestPro generates a report after a very short test, indicating the quality of various installation parameters.

MuxLab — HDMI over IP H.264/H.265 PoE (500762)



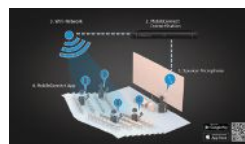
It sends HDMI up to 100 meters supporting resolutions up to 4K@60Hz using Cat 5e/6 cable in a point-to-point configuration. When connected to a local Ethernet network, point-to-multipoint and multipoint-to-multipoint configurations are established in a low bandwidth, expandable and cost effective manner, untethering the system from dedicated cabling.

Platinum Tools — Net Chaser Ethernet Speed Certifier & Network Tester



It allows installers to quickly certify the Ethernet speed performance of cable runs. It conducts bit error rate (BER) tests by sending data packets down specified cable runs at defined data rates to check for errors at the maximum throughput of the link, according to Platinum Tools. The Net Chaser Network Tester reports on signal quality that can impact high-speed data transmission by measuring signal-to-noise ratio (SNR).

Sennheiser — MobileConnect



Bringing assistive listening to a wider range of users, Sennheiser's Mobi-

leConnect utilizes Wi-Fi to deliver audio content to students' cellphones. It's a good BYOD solution for integrators working in classrooms, whether it's in higher education or K-12. "MobileConnect is a disruptive solution that elegantly rethinks accessibility," explains Xenios Maroudas, portfolio manager of business communication, Sennheiser.

tvONE — C3-503 CORIOmaster Micro



It offers a new, more efficient approach to building video wall systems. Using tvONE's latest CORIO3 technology, it gives the user access to new levels of video processing power to achieve new heights of creative and dynamic video wall displays. All this is possible in one 1RU, half rack sized chassis.

ZeeVee — ZeeVee ZyPerUHD



These encoders and decoders deliver 4K, compressed video over standard 1G Ethernet switch, meaning that ZeeVee now offers both compressed and uncompressed options for delivering 4K over a standard switch. The new ZyperUHD encoders and decoders provide ultra-low latency (less than 2 frames), compressed video up to Ultra HD/4K resolution using an off-the-shelf 1Gb Ethernet switch.

WyreStorm — SP-0208-HDBT-H2



WyreStorm says it included all its HDBaseT knowhow into this compact mixed-transmission Ultra HD splitter that's tailor-made for multi-screen and signage environments, such as hospitality or retail applications. Boasting three transmission options the SP-0208 features dual HDMI inputs that can be automatically or manually switched to any of its eight HDBaseT and HDMI outputs.

Crestron — 3-Series Control System



It's an enterprise-class control system with a dedicated Control Subnet port. Designed for enhanced scalability, the CP3N affords high-speed, real-time multitasking to run multiple programs simultaneously. This modular programming

architecture lets programmers independently develop and run device-specific programs for AV, lighting, shades, HVAC, security, etc., allowing for the optimization of each program, and allowing changes to be made to one program without affecting the whole.

Crestron — 10.1-inch Touch Screen



Crestron's 10.1-inch Touch Screen, TSW-1060 is a space-saving wall, lectern, or tabletop touch screen outfitted with five backlit, soft-touch capacitive buttons for quick access to commonly used functions. It also features onboard voice recognition, web browsing, H.264 streaming video, Rava SIP Intercom, and PoE.

QSC — Q-SYS Core 510i



QSC called it "an evolution of the Q-SYS Platform" because it "leverages the latest Intel platform using a QSC-developed Linux real-time operating system (RTOS) to deliver the most powerful audio, video and control (AVC) solution available." It offers flexible audio I/O configuration options of any processor in the Q-SYS catalog, with card-based I/O as well as native Q-LAN network channel and AES67 capabilities.

Kramer — Kramer Control



There are a lot of reasons Kramer Control made an impact on the automation category when it began shipping in June. It's cloud-based. It's targeted at IT/AV managers with a goal of letting them easily control, monitor and support both AV system infrastructures and third-party devices. It's highly scalable which Kramer says is accomplished by leveraging existing IP network infrastructures and due to its distributed architecture. There's no traditional programming required.

Assa Abloy — IN220 Power over Ethernet Lock



PoE-enabled access control allows facilities to leverage existing network infrastructure

for enhanced security and cost-effective installations. The IN220 uses standard IEEE 802.3af PoE-enabled network infrastructure for both power and data, streamlining the installation process, eliminating proprietary equipment, and enabling real-time communication. The lock also significantly reduces standby power consumption.

EnGenius Technologies — AP MeshCam



It combines a high-speed 11ac wireless access point with a 1080p IP surveillance camera.

The MeshCam's space-saving design enables one installation for both an access point (AP) and camera, requiring only a single cable run for power. Each unit can be powered via one Ethernet cable with Power-over-Ethernet or a DC power input.

Razberi Technologies — Razberi CameraDefense



Razberi CameraDefense is a cybersecurity solution that protects IP

cameras and networks by automating and scaling industry best practice cyber protections. CameraDefense is integrated into Razberi ServerSwitchIQ appliances, creating a video surveillance platform that guards the camera ecosystem with automated camera hardening, a secure appliance architecture, and cyber threat monitoring.

VIDEO

Barco — UDX-4K32 Laser Phosphor Large Venue Projector



It's a high-brightness laser projector with integrated cooling. Featuring

31,000 lumens light output, this projector ensures accurate colors at all times, offering one of the widest color spectrum in the industry. With its laser phosphor light source, the UDX-4K32 eliminates lamp-related costs and maintenance as well as image flicker. The Constant Light Output (CLO) functionality also provides constant brightness and color over time.

Stewart Filmscreen — Phantom HALR



Designed for high ambient light environments, Phantom HALR black screen offers

image size options up to 40 by 90 feet, a flexible screen material usable in electric roll-up screens, and acoustical transparency options: Microperf and Cinemaperf. Phantom can calibrate out to REC 2020 or 709 without obvious color aberrations that skew primary and secondary colors.

Peerless-AV — High-Bright Xtreme Outdoor Daylight Readable Display



This TV provides a bright, crisp picture, even in direct sunlight.

It features a fully sealed design and an operating temperature range of -40 to 140 degrees, so there is no need to change filters or service the display. A Ventless Dynamic Thermal Transfer System ensures internal components are safely warmed in extreme cold weather conditions and properly cooled during extreme heat.

Planar — QE Series



These Ultra HD LCD displays are available in 75-, 86- and 98-inch sizes and include an

embedded media player and software, providing a simple and cost-effective way to design, distribute and play back ultra-high resolution digital signage on a single display or multiple displays within a network, according to the company.

Advantech, Matrox Graphics — Integration



Advantech and Matrox Graphics expanded their relationship. Embed-

ded computing solution provider Advantech's DS-980 six-display 4K video wall solution is now validated to work with Matrox's C-Series multidisplay video cards. So the Matrox C420 works with Advantech's DS-980 platform.

Da-Lite — FullVision



FullVision delivers a clean-lined, modern projection panel that can enhance a space without detracting

from the architecture. "FullVision's borderless design is the aesthetically superior option when designing a space that requires the AV to disappear and allow the features of the space and architecture to be at the forefront of the experience," said Wendy Cox, director of product management.

NEC Display Solutions — C Series



NEC Display Solutions delivers new options with the brand new C series

large format displays offering a slim profile and sleek design at an economical price. These three new models, C431, C501 and C551 provide many commercial-grade features with professional performance, supporting users who need full commercial capabilities and control in a stylish and aesthetically focused design.

Sony — VPLPWZ10 Laser Projector



It's a versatile, affordable choice for installation in a wide range of education, business, and enter-

tainment environments. The powerful Z-Phosphor laser light source is teamed with Sony's advanced BrightEra 3LCD projection engine to deliver extremely bright, detail-packed WXGA-resolution images with a generous 5,000 lumens of brightness

and rich, stable colors. This laser light source allows up to 20,000 hours of virtually zero-maintenance operation without the worry of lamp failures.

LEARNING SPACES

Epson — BrightLink 710Ui Laser Interactive WUXGA 3LCD Display



Offering built-in touch interactivity, wireless connection, a Full HD

100-inch display, and 4,000 lumens of color and white brightness, Epson's BrightLink 710Ui Laser Interactive WUXGA 3LCD Display converges technology, teachers, students, and their ideas into one digital experience. Laser light source provides up to 20,000 hours virtually maintenance-free operation.

Sharp — PN-C805B



Designed and engineered around "open platform" architecture, the PN-C805B leverages customers'

existing IT and AV infrastructure investments. It incorporates Sharp's Pen-on-Paper technology that offers a natural writing feel along with a fingerprint and scratch resistant surface. The PN-C803B recognizes up to 10 touch points with four-person simultaneous use.

Lumens Integration Inc. — DC193 & PC193 Document Cameras



Each comes in full HD, 1080p, 30fps resolution and 20x zoom capability. Both cameras come with a VGA

and HDMI input/output slots and have an internal memory for storing up to 240 images. The total memory is expandable to 4TB using a USB drive. Users can tie their document cameras to the Lumens Ladibug app through their tablets and Chromebooks.

Bogen Communications — Nyquist IP Paging & Intercom System



Named after the famous physicist and electrical engineer Harry Nyquist, Bogen says its IP-based paging and intercom system is a software-based solution designed for educational spaces. At the heart of Bogen's Nyquist system is its software, which includes an easy-to-use interface.

PRODUCT PRESENTATION

Chief — ODMLA25 Outdoor Mount



It uses galvanized plating around plate steel, outdoor primer and outdoor-rated paint to provide years of protection from UV radiation and moisture. UV-resistant plastics, minimized weld points and stainless steel hardware

extend the weather protection throughout the mount. Its extension range is over 20-inch and has +5/-15 degrees of tilt.

Middle Atlantic Products — T5 Series Conference Tables



The table's Tech-Kit ships first so integrators can begin integration without having to wait to get into the space. The rack supports rackmount equipment or small devices. Also included is a patent-pending, swing-out rack.

The table's Tech-Kit ships first so integrators can begin integration without having to wait to get

Marshall Furniture — ADA Workstation



This is a functional and compact solution that is customizable so users have versatility when it comes to overall style and configuration. Essential ADA properties, such as height adjust for

This is a functional and compact solution that is customizable so users have versatility when it comes to

sit-to-stand fluidity and a locking pullout surface for accessibility and reach range adherence, are incorporated.


Premier Mounts — UMB-DBT and UMB-DBTS



These menu board flat panel display brackets are a "no-assembly required" system. The brackets that hang on the panels are designed to attach direct to commercially available unistrut right out of the box.

Winsted — Impulse Linear Dual Sit/Stand Console



Winsted says the Impulse Linear Dual Sit/Stand Console enhances workplace ergonomics through a configuration that maximizes the limited space within office and control room environments. 

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