

New Cables & Connectivity Solutions

Interconnects, raceways, and everything in-between.

by Kirsten Nelson

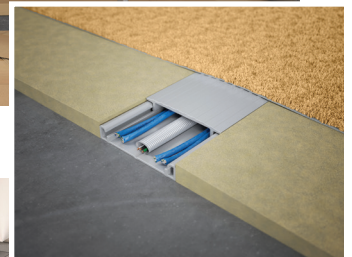
Your audiovisual equipment and converged AV/IT systems can epitomize "fully featured," with more I/Os than tech managers have ever seen. But unless your interconnection elements are rock-solid, your wired and wireless systems will be vulnerable. Reduce anxiety about points of failure with these new and notable cable and connectivity options.

C2G RAPIDRUN OPTICAL WITH HDMI EXTENSION

C2G has expanded the RapidRun Optical modular cabling system with a high-resolution HDMI extension solution in a keystone form factor. Now universally compatible, RapidRun can be used in virtually any installation requiring powerful, high-quality 4K/Ultra HD (UHD) extension. The new RapidRun Optical solution includes the line's hallmark modular options of break-away flying leads and wall plates that simply attach onto the specific-length runner cable, combining RapidRun's



Connectrac's low-profile wireway solutions



C2G RapidRun Optical modular cabling system



Peerless-AV PeerAir Pro Wireless AV System



Belden's 4K Ultra-High-Definition (UHD) Media Cable

PEERLESS-AV'S PEERAIR PRO

Offering a wireless distance of 210 feet, the Peerless-AV PeerAir Pro Wireless AV System powered by HD Flow 3 (HDS300) improves versatility while making it possible to penetrate multiple walls, floors, and ceilings for complete coverage. The system can multicast full HD wirelessly to up to six displays in addition to a seventh wired display using a pass-thru port on the transmitter. It also features three HDMI inputs, while maintaining VGA or component input, and offers a new quick push-button multi-cast configuration set up.

BELDEN 4K ULTRA-HIGH-DEFINITION MEDIA CABLES

Belden's 4K Ultra-High-Definition (UHD) Media Cables, 2183P (plenum) and 2183R (riser), are designed to deliver 4K content over HDBaseT up

to 100 meters in a unique, sleek design that is up to 25 percent smaller than other HDBaseT cabling solutions, such as CAT 7A. The cable was designed to support HDBaseT 5Play, but it is interoperable with various equipment brands. Manufactured using Belden's patented Bonded-Pair technology, the cable is rated to withstand 45 pounds of pull tension. The single overall foil shield provides 100-percent protection from noise interference, eliminating the need to terminate individually shielded pairs or a braid, and erasing concern about properly grounding individually shielded pairs to a modular plug which is not designed to accommodate this type of cable construction. To further reduce installation time and costs, 4K UHD Media Cables can be terminated using the Belden REVConnect product line of modular shielded plugs and jacks.

time savings with the high performance needed to carry today's 4K/UHD 4:4:4 signal up to 1,000 feet. The fiber-based solution features 18 Gbps bandwidth, a diameter of just a half inch, a 5mm bend radius and OFNP (plenum) rating.

Video Wall Solutions From the Experts



- Big walls
- Small walls
- PC-based processors
- Embedded processors
- Drag and drop simplicity
- 4K UHD input/output
- IP inputs





DVIgear's MultiPort 4K Fiber Optic Extenders (above). Hall Research's CHD-DExx 4K-Javelin extension cables (right/middle)

DVIGEAR MULTIPOINT 4K FIBER OPTIC EXTENDERS

DVIgear MultiPort 4K Fiber Optic Extenders, the DVI-7340 (LC version) and DVI-7341 (ST version) are designed for extreme requirements. The extenders support an enormous array of signal types, such as uncompressed HDMI or DVI, embedded audio, balanced or unbalanced external audio, bidirectional IR, RS-232 and Ethernet, providing long-distance extension over a single fiber cable, and supporting ultra-high resolutions up to 4K (UHD). They support HDMI with embedded audio as well as independently routed balanced audio signal extension. The extenders enable cable distances of up to 1,000 feet with or without HDCP. In applications where HDCP support is not needed, the extenders support optical links up to 1.2 miles.

ALTINEX CNK600 CABLE NOOK AND INTERCONNECT PLATES

Altinex's CNK600 Cable Nook interconnect box and SP2116SC and SP2117SC customizable interconnect plates provide an effective means of hiding/storing multimedia cables and connectors when not in use and providing quick, easy access to those connectors when needed. The SP2116SC and SP2117SC interconnect plates provide various



The Altinex CNK600

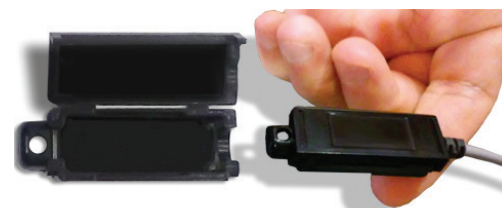
connectivity options, including ports for audio, video, network access, USB charging, AC power, and more. The Altinex CNK600 features a black, brushed aluminum finish that blends with any meeting room décor, and even when closed, the Cable Nook's lid provides access to cables for use.

FSR RT6 TABLE BOX CLAMP

The Clamp is a table-edge version of FSR's RT6 table box. It incorporates a tool-less, quick clamp to attach to any table or counter edge (with thickness ranging from 0.5 inches to 1.625 inches) for both permanent and temporary installations. The Clamp has spacing for any two FSR T6 large brackets mounted next to each other, which can be ordered to suit specific applications. For example, it can be configured to hold up to four FSR TBRT cable retractors and still have space for AC and USB chargers as well. The internal brackets are designed to hold AC, USB chargers, cable pulls, cable retractors, snap-in keystone connectors, and FSR's full line of Intelligent Plate Solutions.



FSR's versatile connectivity and infrastructure solutions



Kramer's Wireless Charging solution

HALL RESEARCH JAVELIN 4K

Hall Research's CHD-DExx 4K-Javelin active plenum HDMI extension cables have detachable HDMI/DVI connector ends that allow the cable to be pulled through smaller conduits due to the micro-HDMI-sized connector (a pulling capsule with eyelet is provided to aid the process). The 4K-Javelin cables utilize the latest in optoelectronics to extend HDMI signals 33 to 100 feet with zero loss. The cables are a lightweight hybrid of fiber and copper and support all PC and HDTV resolutions including 4K Ultra HD. The HDCP compliant cables also support DDC and CEC. Proprietary circuitry is conveniently incorporated inside the HDMI connectors to convert the video signals to light pulses and back. The cable provides higher immunity to EMI or RFI interference

and there is less chance of video dropouts due to environmental electromagnetic noise. The plug-n-play cable requires no external power supply. Power is drawn from the 5v signal pin of the source HDMI output, drawing less than 0.25w of power from the source.

KRAMER TBUS-1-KWC

Kramer's TBUS-1-KWC is an enclosure of TBUS-1A with an integrated, surface-mount, wireless charging spot flush-mounted on the TBUS bezel. It requires a supply voltage of 24V DC at 500mA, with a power output of 6W to 15W. Current input is 1A, IEEE 802.15.4 based RF channels. Compliant with PMA type 3 and FCC Title 47, Part 18.

CONNECTRAC UNDER-CARPET WIREWAY

The new Connectrac Under-Carpet Wireway has a further reduced profile that allows any carpet to be laid over the product, making it virtually invisible. For conference rooms, lecterns, reception desks, lounge seating, and many more applications, the Connectrac Under-Carpet Wireway provides power and data/AV cable management. A removable top cap enables easy access for cable reconfiguration. The low-profile wireway used for the Under-Carpet will also be available in the Connectrac In-Carpet and On-Floor Wireway options.

Kirsten Nelson is the editor at large of *Systems Contractor News*.

AV Technology Welcomes Justin O'Connor As Technical Advisor

NewBay Media's *AV Technology*, the leading media brand for AV & IT managers across the commercial vertical market, is pleased to announce that Justin O'Connor has joined the team as a technical advisor. In this role, Mr. O'Connor will elevate *AV Technology's* print and digital coverage and host a video series for tech managers that contextualizes ProAV trends. He will also present educational tracks at the AV/IT Leadership Summit Series.

"There is no shortage of talent in the AV industry, but finding a thought leader with such meaningful market experience and deep technical acumen is rare," stated AV Technology's Editorial Director Margot Douaihy. "Justin has the expertise, perspective, and candor that will immediately resonate with AVT's end-user community. He is invested in the growth of this industry, and he's refreshingly immune to hype. We know that Justin's conversations will electrify the ProAV space."

Mr. O'Connor has spent nearly 20 years as a product manager, bringing many hit products to the professional audio world. Over that time he has served the AV, professional sound reinforcement, permanent install, and music instrument retail markets with passion. In those roles he studied markets and technologies, devised strategies, defined product ideas, and successfully launched a variety of microphones, loudspeakers, amplifiers, mixers and DSP's for brands including Shure, JBL Professional, QSC, and Biamp. Now as an independent professional in the industry, he is looking forward to sharing his experiences and passion for audio and communication technology. Mr. O'Connor earned his Bachelor's degree in Music Engineering Technology from the Frost School of Music at The University of Miami.

Follow AV Technology via [@AVTechnologyMag](#) & Justin O'Connor via [@JOCAudioPro](#)



Discover How Much Just One Microphone Can Do

The All New Earthworks CTB30 Boundary Microphone



Available in Black, White, Silver & Nextel® Dark Black

Reduced Pickup of Unwanted Noises - The CTB30 incorporates a specially engineered filter to minimize table thumping and HVAC noise, in addition to a reduced pickup of paper shuffling.

Near-Perfect Polar Response - Earthworks microphones use a technology that prevents a loss of high frequencies at the sides of a microphone. So, speakers can talk above, below, or to either side of the microphone and maintain the same pristine sound quality with high intelligibility.

Wide Coverage Area - The wide and even coverage provided by the CTB30's near-perfect polar pattern means you can use fewer microphones to achieve wide coverage and the same intelligibility throughout the room.

High Gain Before Feedback - The near-perfect polar response lets you get the most out of your PA system without needing complex, sound muddying EQ to prevent feedback.

Optimized for Speech - The CTB30 microphones are flat from 30Hz - 30kHz ± 2 dB. This translates to a true to life sound with high intelligibility, so every word is heard loud and clear.

Low Profile - Designed with aesthetics in mind, the CTB30 measures just 4.1 inches in diameter to unobtrusively blend in with the room's design.

Contact Earthworks to schedule a demo of the CTB30
earthworksaudio.com/ctb30 • info@earthworksaudio.com

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