Peerless-AV Motorized Cart for Education Environments

The What: Peerless–AV has launched the SmartMount Motorized Height–Adjustable Flat Panel Cart (SR598ML3E) for education applications.

The What Else: An extension of Peerless–AV's line of AV carts, the latest version of the Motorized Height–Adjustable Flat Panel Cart integrates actuators, making it easy for educators and students to raise and lower touch–enabled displays. Designed specifically for education settings, the cart seamlessly interacts with touch–enabled technology, allowing students and teachers to focus on the content on display while creating a collaborative learning environment.

The Motorized Height–Adjustable Flat Panel Cart is ADA–compliant, providing display height adjustment up to 25.6 inches with the touch of a button. Offering top safety features, the Motorized Height–Adjustable Flat Panel Cart is UL962/1678 listed and features a safety limit function, which automatically reverses direction when a collision is detected in an upward, downward, or lateral force.

The cart offers multiple accessories, including a laptop tray, video conferencing shelf, six–outlet surge protector, PC mounting plate, and power cord manager.

The Bottom Line: Focusing on ease of use, the Motorized Height–Adjustable Flat Panel Cart features 4–inch casters for rigidity and stability, and a preassembled design with no wiring required. Peerless–AV's SmartMount Motorized Height–Adjustable Flat Panel Cart is available now through Peerless–AV direct sales representatives and authorized distribution networks.

Epson Pro L Interchangeable-Lens Laser Projectors

The What: Epson has debuted a new range of compact, interchangeable–lens Pro L laser projectors. Additionally, Epson is introducing 9,000– and 30,000–lumen laser projectors.

The What Else: Models in the new range are Epson's most compact interchangeable–lens laser projectors. These versatile projectors, complete with 4K enhancement, HDBaseT, and wide lens shift, are designed for use in large venues including visitor attractions, higher education, museums, and corporate meeting rooms. They produce bright (up to 7,500 lumens), detailed, high contrast images with defined shadow details. The minimalist design and quiet fan ensure these new projectors fit into a variety of environments.

The Epson Pro L30000U 30,000–lumen laser projector is marketed for high–end installation. The 9,000–lumen laser projector joins the Pro L1000–Series, whose models range from 6,000 to 15,000 lumens. These projectors are designed for permanent installations as well as rental and staging.

The Bottom Line: The Pro L laser projectors will be available this fall.

Sony VPL-FHZ75, VPL-FHZ70 Laser Projectors

The What: Sony has introduced two new installation model laser projectors, the VPL–FHZ75 and VPL–FHZ70. The new additions cater to the increased market demand for immersive and high–brightness projection in midsize environments such as schools, corporations, churches, museums, and entertainment installations.

The What Else: Offering WUXGA resolution and color light output of 6,500 and 5,500 lumens, respectively, the VPL–FHZ75 and VPL–FHZ70 use a 0.76–inch LCD panel with an incorporated optical compensator to deliver bright and vibrant images with true blacks and

accurate–to–life color reproduction. Developed for BRAVIA displays and high–end home theater projectors, Sony's super–resolution technology "Reality Creation" analyzes images to the pixel level to enhance clarity in every detail. Combining high contrast with the benefits of Reality Creation, the VPL–FHZ75 and VPL–FHZ70 provide clarity in images and text.

Both models come with an "intelligent setting" feature developed using Sony's long–term experience in laser projection, research, and feedback from customers. The feature simplifies the installation process by automatically selecting the best configuration based on the projector's environment. The four preset modes in the new projectors are meeting/classrooms, museums, entertainment venues, and multi–screen setups. These modes enable users to optimize the projector's performance in relation to each environment, whether it's adapting to a well–lit meeting room where brightness is most important, quiet environments such as museums requiring low noise level, or multiscreen use where color matching is essential.

The Bottom Line: With their compact size, low weight and unobtrusive design, the VPL–FHZ75 and VPL–FHZ70 offer installation flexibility in any environment—even in buildings that may operate in imperfect ambient light settings, or that include unusually shaped rooms. The projectors can be placed in higher positions thanks to their wide lens shift capability of +70 percent vertical. In addition to expanding the number of options where the projector can be positioned, the feature ensures that the presenter or visitors will not be distracted by the projector's light source. In addition, without using keystone, there is virtually no distortion of the image or digital noise, ensuring continuous high picture quality with sharp focus and high brightness.

The VPL–FHZ75 and VPL–FHZ70 are planned to be available in spring and will come in both black and white finishes.

d&b audiotechnik DS20 Audio Network Bridge

The What: The DS20 audio network bridge is d&b audiotechnik's first product offering that connects its loudspeaker systems to the open standards–based Milan protocol.

The What Else: The DS20 interfaces between Milan networks and AES3 digital audio signals, while also providing distribution of Ethernet control data. Metadata including Milan channel labels and cabling information is sent via the AES3 channel stream to the four–channel d&b amplifiers.

Positioned in front of the amplifiers in the signal chain, this 1 RU device is equally suited to mobile and installation environments. As well as providing an interface from the Milan audio network to the digital inputs of the d&b amplifiers via Ethernet, the DS20 provides four digital AES3 input channels for applications such as a break–in from a front of house console.

The DS20 incorporates a fully AVB–enabled integrated 5–port switch, offering a primary and redundant network. This provides extended connectivity for a laptop to control the d&b amplifiers using the R1 Remote control software via the OCA (Open Control Architecture) protocol.

The Bottom Line: The DS20 is a natural networking choice for d&b users. Milan is a deterministic network that inherits all the technical benefits of audio video bridging (AVB) technology: improved reliability, optimum synchronization, and hassle–free network setup.