



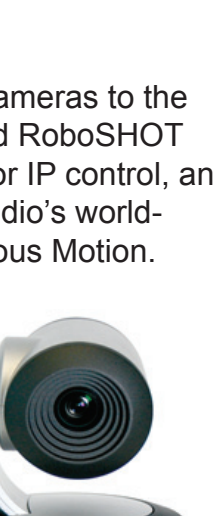
Bike at door in Amsterdam

Welcome to the May 2015 edition of Scanlines, the newsletter of The Enright Company, Professional Video/Multimedia Representatives, 1801-I Park Court Place Suite 100, Santa Ana, CA 92701 (888) 334-7773.

4K Is Great, But Do We Need It?

Notes From Stephen

by Stephen McNeil - The Enright Company



Stephen McNeil

In today's world of commercial A/V, products are evolving by leaps and bounds. In fact some would say we are moving too fast.

In 2008 LED/LCD displays surpassed CRT displays for overall market share and the technology has not looked back since. Now here we are at present day, 4K is already here and manufacturers are gearing up for 8K. The question is - do we really need such high-end technology in our panels? The short answer is maybe.

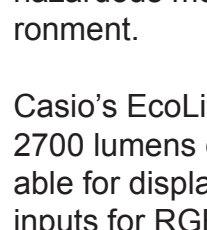
UHD (aka 2160p) looks beautiful with the correct content driving it; the key word in that sentence was CONTENT. With panel manufacturers evolving so rapidly, content providers are struggling to keep up. In fact most content providers are still broadcasting in 720/1080 and are struggling to support UHD. There is UHD content out there but it is not main stream enough to have seriously viable options.

You have your 4K cameras, Retina Displays, and a couple shows on Netflix. Anything outside of that and 4K options are very limited. It seems like we should develop a solid way to deliver 4K to the masses before we begin the move to 8K.

4K is undoubtedly here to stay given that it has found some niche markets that will create demand. If content technology evolves as fast as the panel technologies, then we will be in for an astonishing visual ride over the next 10 years. Until that happens, we will have to stick with our perfectly suitable 1080P displays. 1080p is fine and has plenty of content, which will maximize the panel technology instead of using a 4K or 8K panel.

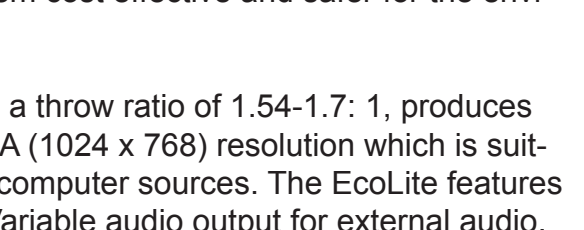
Vaddio Expands RoboSHOT Camera Lineup with New RoboSHOT 12 HDMI and RoboSHOT 30 HDMI

by Dave Fahrbach, CTS - The Enright Company



Vaddio (www.vaddio.com) introduces its latest cameras to the RoboSHOT series, the RoboSHOT 12 HDMI and RoboSHOT 30 HDMI featuring HDMI out, an Ethernet Port for IP control, an advanced image signal processor (ISP) and Vaddio's world-class camera robotic technology – Tri-Synchronous Motion.

The RoboSHOT HDMI series is designed for simplicity in applications that only need HDMI video. Control functionality is accomplished via Telnet, RS-232, IR Remote and the camera's built-in web server, which allows users to control the camera functions on a web page with any browser over the IP network.

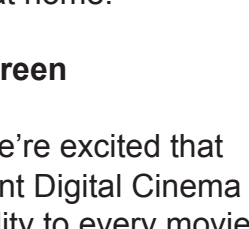


"The wide adoption of our RoboSHOT camera line has given us an opportunity to expand upon it," explained President and CEO of Vaddio, Ed Ellett. "The RoboSHOT HDMI series offer integrators, dealers and end users a substantial price and performance improvement over and above the value of other HDMI cameras available today."

The Enright Company represents Vaddio in CA, NV, AZ and HI.

Casio Delivers Low Cost of Ownership in Entry-Level Projector

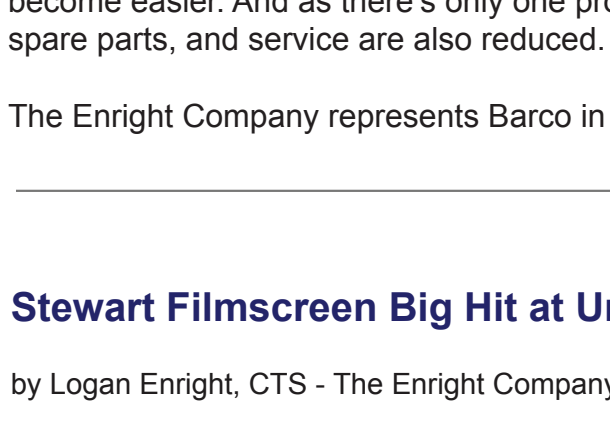
by Jason Housel - The Enright Company



Jason Housel

Casio America, Inc. (www.casio.com/home/) announces the addition of a new introductory model to its portfolio of projector offerings. The EcoLite™ XJ-V1 projector provides educators and business professionals with the ability to enjoy many of the benefits of Casio's LampFree® projectors in a budget friendly package.

"When evaluating our full range of LampFree® projector offerings, we recognized that there was an opportunity to extend the reach of our top-quality projectors to a broader range of users," said Joe Gillio, Product Management Director, of Casio's Business Projector Division. "The new EcoLite™ model combines Casio's industry-leading LampFree® technology with essential features from our most popular projectors into a unit that still delivers the functionality and low total cost of ownership that users expect."



EcoLite™ is powered by Casio's 5th generation LASER and LED Hybrid Light Source technology, which combines a laser, fluorescent element and LEDs to generate high brightness and a 20,000 hour estimated lifespan with minimal brightness degradation and continuous operation. It also provides a 30 percent increase in LED light output, thus offering a greater increase in color spectrum when compared to a mercury lamp.

Casio's LampFree® projectors consume half the amount of power per unit than traditional lamp-based projectors. Power consumption with the brightest setting is only 180 watts and eco modes can reduce power consumption up to 50 percent. Casio's LampFree™ technology also eliminates the need to replace expensive and hazardous mercury lamps which makes them cost effective and safer for the environment.

Casio's EcoLite™ XJ-V1 projector features a throw ratio of 1.54-1.7: 1, produces 2700 lumens of brightness, and boasts XGA (1024 x 768) resolution which is suitable for displaying content from video and computer sources. The EcoLite features inputs for RGB and HDMI and includes a Variable audio output for external audio.

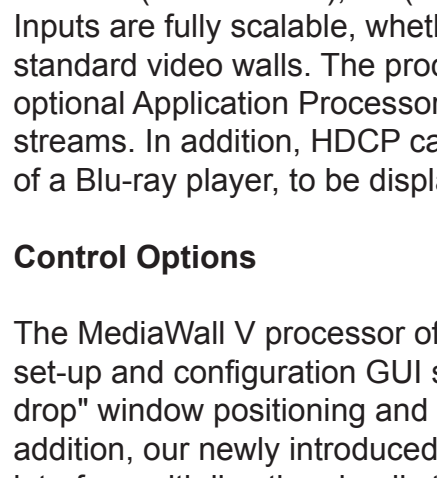
Casio's EcoLite™ projector will be available in the second quarter of 2015. For additional information on Casio and its full portfolio of LampFree® projectors, visit www.Casio.com/products/projectors/.

The Enright Company represents in CA, AZ, NV and HI.

Barco Launches a Full Portfolio of Laser-Illuminated Cinema Projectors

by Dave Fahrbach, CTS - The Enright Company

Barco (www.barco.com), global market share leader in digital cinema xenon projection, proudly introduces a full fleet of laser-illuminated projectors dedicated to the cinema industry. Consisting of four models – DP4K-60L, DP4K-45L, DP4K-30L and DP4K-22L – that generate stunning brightness levels up to 56,000 lumens, the Barco laser projector range brings superior image quality to every theater. The projectors deliver exceptional image quality, with outstanding 3D brightness and superior color performance, while simplifying operations and reducing operating expenses. This family of laser projectors is immediately available for order. The DP4K-45L and DP4K-60L are already shipping, while the DP4K-22L and DP4K-30L will be shipping in Q4 2015.



"We're proud to be the first manufacturer to ship the only entirely integrated 6P solution for cinemas around the world," comments Wim Buynas, Vice President Entertainment at Barco. "The brightest projectors in the industry, our revolutionary fleet of laser-illuminated projectors are setting a new standard for image quality – enabling exhibitors to inspire audiences with unsurpassed image quality that's better than anything they can experience at home."

A Perfect Match for Every Screen

"After years of development, we're excited that laser projection is finally here," says Stijn Henderickx, Vice President Digital Cinema at Barco. "As we're fully committed to bringing the best picture quality to every movie theater, we've made this cutting-edge technology available now. Our award-winning laser projectors bring high brightness levels to every type of cinema screen, from small to premium large formats. We truly believe laser projection is the future. That's why we have a powerful laser innovation roadmap for the coming years which also includes both new and retrofit laser phosphor solutions. In this way the Barco laser technology is fully future-proof."

Unprecedented Image Quality

Barco's laser projectors offer superior image quality with remarkable brightness levels, increased contrast ratio, and vivid colors for a radically improved movie experience that's unmatched in the industry. The 2D and 3D images they display – with single lens operation – are laser-sharp with superbly saturated and uniform colors. These brightness levels create an unparalleled 3D experience – showing movies just the way they were intended by the moviemaker. Powered by the unique Series 3 Barco Alchemy Integrated Cinema Media Processor (ICMP), Barco laser projectors are the first in the world capable of showing full 4K content at 60 frames per second and 3D movies in 4K at extraordinary brightness levels. And thanks to Barco's industry-leading technology to minimize laser speckle, the Barco laser projectors provide superior 2D and 3D images on both white and silver screens.

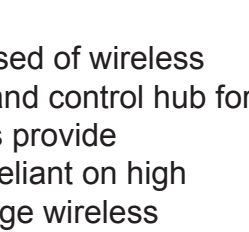
Many-sided Simplicity

Barco's integrated laser projection technology improves the movie experience while reducing complexity for exhibitors. Based on laser light sources instead of lamps, Barco laser projectors free you from all lamp-related hassles, costs and maintenance. The Barco laser projector for cinema features a single projector architecture that can be seamlessly integrated into your current system. No alignment is required among multiple projectors, and installation, operation, and maintenance have also become easier. And as there's only one projector to service and maintain, downtime, spare parts, and service are also reduced.

The Enright Company represents Barco in So CA, So NV and AZ.

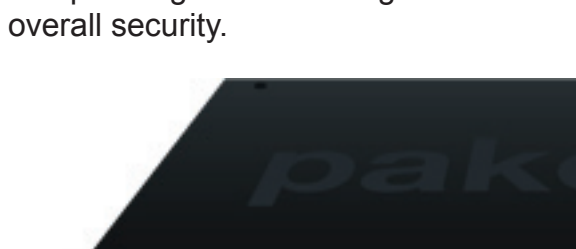
Stewart Filmscreen Big Hit at University of Hawaii

by Logan Enright, CTS - The Enright Company



Logan Enright

The new University of Hawaii (UH) ITC (Information Technology Center) just opened last year. This remarkable facility houses all the IT equipment for the entire UH system of campuses. Additionally the building houses multiple videoconferencing rooms, training rooms, lounges and auditoriums that serve the technology sector of the university.



Roy Liu and Pan Phomsouvanh at UH Classroom

The facility has five Stewart Filmscreen screens which were designed in by Shen Milsom and Wilke LLC and integrated by The Audio Visual Company, Aiea, HI. Notice the Vaddio camera at the bottom of the picture – this uses a retractable and foldable assembly by Stewart so that the camera is extended each time the screen is lowered.

Royd Liu, Video Operations Manager of Academic Technologies, Information Technology Services at the university, told us: "The projectors and screens go through heavy usage daily. The brightness and sharpness that these screens reflect are incredible." Royd went on: "We really notice a difference, as our newly LEEDS silver certified ITC has windows all around to allow natural sunlight in". For any projection screen this would be a problem, but the Stewart screens handle ambient light settings well with no color shift or loss of "off-axis" viewing".

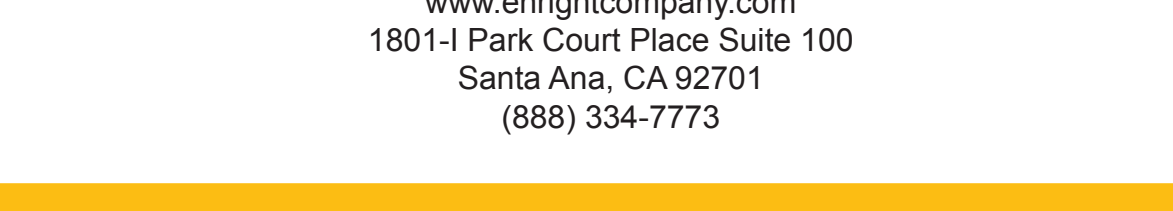
The Enright Company represents Stewart Filmscreen (www.stewartfilmscreen.com) and Vaddio (www.vaddio.com) in CA, AZ, NV and HI.

RGB Spectrum's MediaWall V: The World's First True 4K UHD Video Wall Processor

by Jason Housel - The Enright Company

On February 26th, 2015, RGB Spectrum (www.rgb.com) announced the launch of the world's first true 4K UHD video wall processor, the MediaWall V, offering up to 4K resolution I/O, single wire connectivity and fully scalable windows.

A true video wall is not simply a wall of monitors; rather, it is a continuous multi-screen surface that will display a combination of graphics and video. Not all systems claiming to be 4K wall processors provide video synchronization, required for the seamless display of high-motion graphics, or fully scalable windows. The MediaWall V processor delivers all of these capabilities.



With a MediaWall V processor, you can display ultra high-resolution 4K UHD video and graphics together with HD sources on a wall array of 4K UHD display devices. A 4K UHD video wall offers dramatically higher pixel density, with up to 4x more total resolution than a conventional HD video wall of similar size. With fewer bezels to interfere with displayed imagery, a video wall made of large 4K monitors further enhances the overall viewing experience. The MediaWall V processor's 4K capabilities enable the display of more data and visuals in greater detail than ever before – improving situational awareness, assessment and response.

The processor also supports standard resolution display devices, while still delivering the benefits of ultra high resolution when 4K input signals are spread across multiple displays.

High Performance Video Processing

The MediaWall V processor supports up to 36 video/graphic direct inputs and up to 28 outputs/display devices. It processes a full range of input and output resolutions: 4K UHD (3840 x 2160), 2K (2048 x 1152/1080), HD (1920 x 1080) and others. Inputs are fully scalable, whether for output to a UHD video wall or for display on standard video walls. The processor supports IP decoding and display via an optional Application Processor (AP), which can decode IP camera and other H.264 streams. In addition, HDCP capability allows protected content, such as the output of a Blu-ray player, to be displayed on a video wall.

Control Options

The MediaWall V processor offers a versatile range of control options. The built-in set-up and configuration GUI supports both local and remote access, "drag and drop" window positioning and scaling, wall layout presets, and input selection. In addition, our newly introduced VIEWS™ Controller adds a graphically-enhanced user interface with live thumbnails to enhance system operation. The processor can also be controlled by a variety of third-party devices.

Powerful Capabilities in the Control Room and Beyond

A MediaWall V processor has the ability to feed a video wall plus auxiliary monitors or even multiple video walls, making it suitable for very sophisticated audio-visual environments.

With 4K UHD resolutions fully supported, the MediaWall V processor is ideal for graphically rich applications like simulation & training, modelling, and high-resolution video surveillance. In addition, when used with 4K projectors, the processor's edge-blending support can generate immersive, whole-room UHD displays for museums, theatres, auditoriums and a range of other venues.

[Click here](#) to learn more about the MediaWall V Display Processor.

The Enright Company represents RGB Spectrum in CA, NV and AZ.

ICE Cable Systems Delivers Innovative Field Terminable HDMI

by Erik Noble - The Enright Company

Erik Noble

Do you need the ability to make custom length HDMI cables? Do you have a tight space you need to pull an HDMI cable through? ICE Cable (www.icecable.com) has the answer for you! Termination is easy. You can cut the cables to any length you want and still get the performance comparable to pre-terminated HDMI.

The special dual-ribbon cable comes in 250 and 500ft lengths. You strip the cable and crimp on the special connectors to each ribbon. The special ribbon connectors snap into the HDMI end to terminate all 21 pins. From there you simply attach the metal shield, and the plastic shell and you are done! It's the fastest system on the market.



Key features of the series include an easy to use proprietary crimper, full high speed HDMI 2.0 Compatibility, and the ability to handle 1080P/60 HZ up to 80 feet (30 meters) with the optional extender.

"Field Terminable HDMI is a game changer because it finally solves one of the most challenging aspects of HDMI", says ICE Cable Systems President Brian Rizzo. "Installers eyes just light up when they realize they can now terminate their own HDMI in the field".

For all ICE Cable Systems media inquiries please contact Bob Neyens at 720-287-1997 or bob@icecable.com.

The Enright Company represents Ice Cable Systems in CA, NV, AZ and HI.

Unleash Your Network with the Pakedge Wireless System

by Patti Enright - The Enright Company

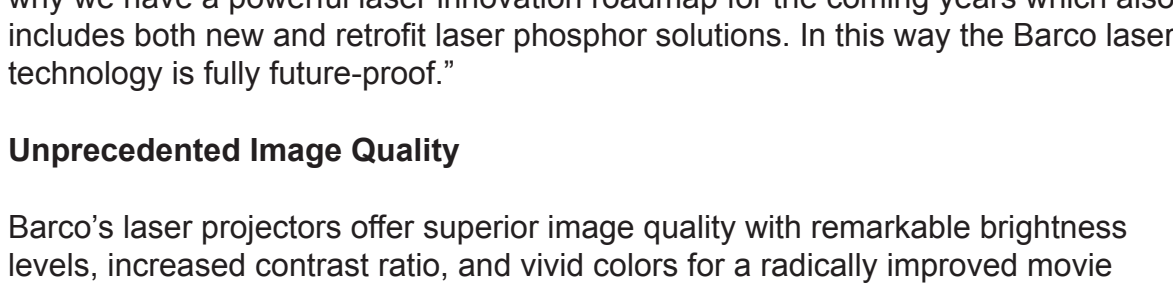


Pakedge (www.pakedge.com) offers optimized wireless systems with simple management, fast deployment and enhanced security.

An enterprise grade wireless solution is composed of wireless access points and a controller - the command and control hub for the network's APs. Pakedge Wireless Networks provide enterprise-grade wireless networking to users reliant on high speed, high throughput, and long range. Pakedge wireless access points provide up to 3x the range of traditional access

come in multiple form factors, ensuring easy installation in any scenario. The C36 Wireless Controller synchronizes and manages multiple access points in real-time - ensuring a fully unified wireless system.

Pakedge wireless access points offer a high-power solution for any network, broadcasting 802.11ac high speed wireless at incredibly high range. These wireless access points can be installed almost anywhere, thanks to their ability to be powered by PoE and versatile form-factors that allow them to be mounted on walls or ceilings. Multiple SSIDs segment your data traffic, providing a smoother wireless experience. A separate guest network gives internet access to visitors without compromising overall security.



The C36 Wireless Controller serves as the command, coordination, and control center of a wireless network with multiple access points. In a network without a wireless controller, the wireless access points are unaware of each other and act independently - resulting in sub-optimal network performance, coverage gaps, and unreliable connectivity. AP settings may not be applied consistently throughout the network - leading to incompatible policy application and enforcement, and potential problems with rogue access points and devices. The C36 eliminates these problems by working in conjunction with up to 30 W6x, W7x, WK, and WX Wireless Access Points. It provides seamless, scalable, reliable wireless network access by managing each access point and optimizing wireless coverage with a suite of performance enhancing technologies.

To see advanced features, benefits and specifications, go to www.pakedge.com/products/wireless.

The Enright Company represents Pakedge in So CA, So NV and AZ.

EVENTS

What	When	Where	More Info
Crimson AV new RSM Ken Phillips Inaugural Tour	May 11-14	LA and OC	www.crimsonav.com
Barco Rep Principal Meeting	May 11-13	Barco Rancho Cordova	www.barco.com
Jeff Handis and Mike Demyanovich of Casio in AZ	May 13	Various	www.casioprojector.com/home
Vaddio Rep Summit	May 19-20	Vaddio HQ MN	www.vaddio.com
Memorial Day	May 25	Everywhere	---
Dennis Dillinger RGB Spectrum inaugural Phoenix area tour	May 27-28	Various Phx area	www.rgb.com
Jim's Music (Tustin) Taylor Guitar factory tour	June 5	Taylor Guitars El Cajon, CA	www.taylorguitars.com
Southland Technology Show	June 12	Hilton Bayfront Hotel San Diego	www.southlandtechnology.com
InfoComm Show	June 16-19	Orlando, Florida	www.infocomm.org

Thanks for scanning Scanlines. Send us your comments.

Sincerely,
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