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AUDIO | VISUAL | CONTROL | COLLABORATION | UNIFIED COMMS

SWITCHING LANES: HOW NETWORK SWITCHES DRIVE THE FUTURE OF AV

NEWS

ByteBridge Technology Expands Footprint with New Singapore Office

SOLUTIONS UPDATE

Lumens Launches World's First Dante AV-H PTZ Camera with Integrated Speaker Tracking

INSTALLATION

Experiential Kore AV at Moxy Mumbai Hotel

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Perhaps most exciting is the emergence of AI-assisted switch configuration. There used to be a few select members of the team that were designated this role and a skill set which was hard earned but now it's easier than ever due to AI's knowledge on CLI commands for the majority of switches out there.

Ralph Illingworth
Chief Technical Officer, DVSI

To read more go to Feature on page **36**



From the Publisher

Thomas Richard Prakasam
Publisher/Editorial Director
thomas@spinworkz.com



From corporate boardrooms to high-demand experience centres, network switches have become the critical backbone of cutting-edge AV deployments. Yet, their role is far from static—it's evolving in step with the increasing complexity of AV requirements. Our Feature article, written from the perspective of a seasoned AV systems integrator, DVSI, explores the key considerations in selecting network switches, best practices for implementation, and the emerging trends that will shape how integrators connect and distribute audiovisual content in the years ahead.

In our Installation column, we spotlight Singapore's Bedok Methodist Church, a vibrant modern house of worship serving hundreds of congregants. The church recently completed a major renovation of its premises, culminating in the installation of an L-Acoustics A Series sound system. This upgrade marks a significant leap from its previous mono array setup to a sophisticated stereo configuration, delivering pristine clarity and consistent coverage throughout its 600-seat sanctuary.

Meet The Team



EDITOR, INDIA AND ME
Ram Bhavanashi
ram@spinworkz.com



BUSINESS DEVT. MANAGER
Rishi Varun R.
rishi@spinworkz.com



ADMIN & CIRCULATION
Julie Tan
admin@spinworkz.com



MEDIA REP CHINA, HONG KONG,
TAIWAN
Judy Wang
Worldwide Focus Media
+86-13810325171
judywang2000@vip.126.com



DESIGN & LAYOUT
Hazel Gundaya

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207A Thomson Road,
Goldhill Shopping Centre
Singapore 307640

Tel: (65) 63162716

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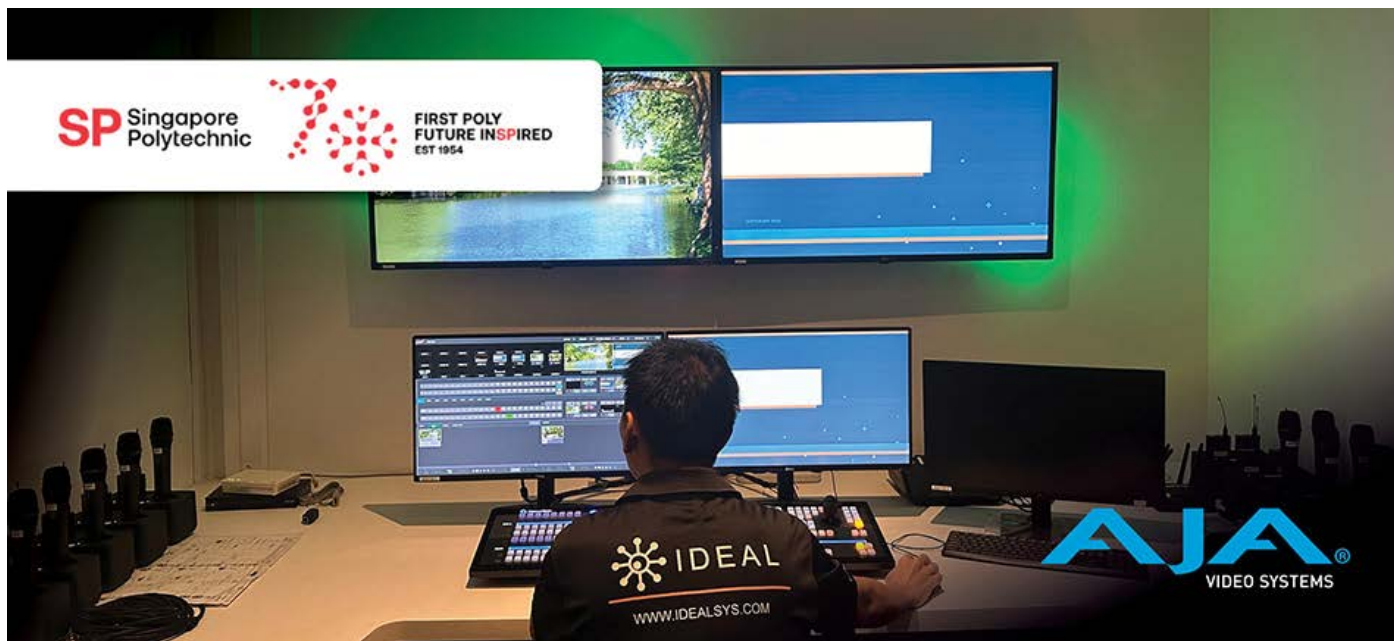
Multiple communication methods to accommodate different venues, such as USB, WIFI, RJ45, and 4G/5G SIM card.



Dual playback model switch between local HDMI source and pre-loaded source.

Item	AP21	AP41	MP4k
Loading Capacity	1.3m Pixels	2.3m Pixels	8.8m Pixels
Max Width & Height	Width 4,096 Height 4,096	Width 4,096 Height 4,096	Width 4,096 Height 4,096
Storage (RAM+ROM)	1GB+32GB	1GB+32GB	2GB+32GB
USB (USB3.0)	128GB	128GB	128GB
USB Playback	Support	Support	Support
Decoding Capacity	4K	4K	4K
Layers	1x 4K/ 2x 1080P/ 4x 720P/ 4x 480P/ 8x 360P/	1x 4K/ 2x 1080P/ 4x 720P/ 4x 480P/ 8x 360P/	2x 4K/ 6x 1080P/ 10x 720P/ 16x 360P/
Local & Pre-loaded Playback Switch	Support	Support	/
Ethernet	1,000MPS	1,000MPS	1,000MPS
2.4G WiFi	Support	Support	Support
4G/5G Module	Optional	Optional	Optional
Sync	Support	Support	Support
Audio Output	Support	Support	Support

Singapore Polytechnic Readies Aspiring AV Professionals for Live IP Productions with AJA



SINGAPORE: As the audiovisual (AV) industry rapidly evolves, educational institutions are preparing the next generation of AV professionals for the future. Singapore Polytechnic (SP), a leading Institute of Higher Learning (IHL) in Southeast Asia, embraces the latest AV technologies to enhance its curricula and ready students for the professional world post-graduation. Collaborating with broadcast and AV systems integrator IDEAL Systems, the school built a new state-of-the-art, NDI-based video production studio and remote production pipeline to support events and hands-on student training. An AJA BRIDGE LIVE IP video bridge supports seamless integration of existing baseband and new Internet Protocol (IP) technologies, so students receive exposure to both.

Establishing a studio design that bridges theory and practice

The vision for the new studio was inspired by SP's Diploma in Integrated Events and Project Management (DEPM) program syllabus. Offered as part of a module that focuses on live and hybrid events, the program aims to train students via real-world projects, providing them with opportunities to create, plan, and execute live events. SP enlisted IDEAL Systems to architect the studio with this in mind. The design aimed to ensure student access to a broad range of equipment that live event production professionals use in the field today. At the same time, it needed to support school-related production demands for symposiums, launches, and other public events.

Having supported many successful past NDI deployments for remote production environments, IDEAL Systems quickly determined that a hybrid NDI/baseband SDI

pipeline was the right path forward. “NDI is user-friendly and significantly more cost-effective to deploy and maintain than other IP alternatives, with all the traditional IP advantages like low latency, system flexibility, and simple cabling requirements,” explained Jack Jiang, AV Sales Manager at IDEAL Systems Singapore. “It also ensures discoverability and simplifies cloud workflows, plus the rapidly growing ecosystem of NDI equipment makes it a clear winner.”

Ensuring a flexible remote production workflow

Carrying this vision, IDEAL Systems built a studio and pipeline with portable rack units equipped with professional HD/UltraHD camcorders and NDI PTZ cameras for NDI low-latency streaming and remote control. The units include mixers with Dante audio networking, wireless microphone systems to capture audio in dynamic environments without interference, and NDI-enabled network switches for fast, reliable data transfer to multiple video sources. SRT (secure reliable transport) 4G/5G wireless routers for secure data transmission are also integrated.

Each rack is configured to transmit live SRT audio and video signals from remote locations via the public internet to a control room on the SP campus. “We designed all six racks for optimal flexibility, with portability and extendibility also top considerations,” explained Jiang. “This way, the SP team could operate remotely with minimal infrastructure requirements, with SRT providing secure, low-latency video and audio transport over the internet.”

From the remote site, SRT protocols are configured in “caller” mode to initiate connections through the internet, sending live signals to the control room, where an AJA BRIDGE LIVE connected to an internet

router serves as the receiver in “listener” mode. BRIDGE LIVE then converts the SRT streams into NDI signals for input to Singapore Polytechnic’s video production system, which processes the feeds for live production and streaming. The video production system supports everything from switching to broadcast graphics, virtual sets, special effects, audio mixing, recording, social media publishing, and web streaming.

“We see NDI as a growing technology locally and globally, both in Broadcast and ProAV, thus making it a very useful skillset for Singapore Polytechnic students to have in the future. The fact that our client can use BRIDGE LIVE to convert SRT to NDI signals from multiple mobile racks simultaneously and transmit them to the control room is game-changing, and it gives them the flexibility to connect multiple mobile racks to a master control room for smoother, more efficient workflows, with steadfast reliability,” explained Jiang. “BRIDGE LIVE’s intuitive web interface makes the device easy to manage, and it can handle multiple streams simultaneously, which ensures a high-quality output with minimal latency high-quality output.”

Preparing students for the future

With AJA BRIDGE LIVE streamlining pure IP transcodes for the new studio and its bi-directional capabilities enabling simultaneous encoding/decoding, SP has simplified its remote production infrastructure while reducing costs. More importantly, Jiang concluded, “BRIDGE LIVE is giving Singapore Polytechnic lecturers a powerful instructional tool to ensure students receive a well-rounded background in traditional baseband SDI and IP technologies so that they can easily handle both when they enter the field.”

AJA BRIDGE LIVE

Visionary Joins PSNI Global Alliance as Preferred Vendor Partner



GLOBAL: Visionary has announced its official partnership with **PSNI Global Alliance** as a Global Preferred Vendor Partner (PVP). By joining the PSNI Global Alliance, Visionary strengthens its commitment to offering best-in-class AV-over-IP and IPTV solutions on a global scale, empowering PSNI Certified Solution Providers (CSPs) with a proven platform to deliver innovative, efficient solutions for today's most demanding AV applications.

By aligning with PSNI, Visionary joins a global network of elite CSPs recognised for their technical expertise, service excellence and leadership in their respective markets. Customers of PSNI Global Alliance will benefit from streamlined system design, installation and ongoing support, which is powered by the collective strength of PSNI's trusted integrator network and Visionary's flexible, IP-based AV solutions for projects in corporate, healthcare, higher education, hospitality and more.

"Visionary is an exciting addition to the PSNI Global Alliance portfolio with their forward-thinking approach to AV-over-IP and IPTV technologies," said Tom Roberts, Director of Vendor Programs for PSNI Global Alliance. "Their reputation for engineering excellence, scalability and innovation aligns seamlessly with the high standards we set for our Preferred

Vendor Partners. As organisations continue to demand more flexible, networked AV Solutions, Visionary's offerings empower our Certified Solution Providers to design and deploy systems that are not only high-performing but also adaptable to the evolving needs of global clients. We are proud to welcome Visionary to The Alliance and are confident that their partnership will deliver exceptional value across our network."

"We are excited about the opportunities this partnership with PSNI Global Alliance provides," said Scott Freshman, Chief Operating Officer for Visionary. "With PSNI's presence in over 200 of the world's most influential economic centres, this partnership significantly expands our global reach. We're excited to support and empower PSNI integrators with our high-performance AV-over-IP and IPTV technologies as they design and deploy the next generation of audiovisual systems."

PSNI Global Alliance represents the largest network of premier technology integrators and service providers in the audiovisual industry. Its mission is to elevate the global AV industry through collaboration, shared knowledge and the seamless execution of technology projects across borders. As a Preferred Vendor Partner, Visionary brings to the PSNI Global Alliance its proven portfolio of ultra-low latency, networked AV solutions, which are designed to simplify installation, reduce infrastructure complexity and deliver high-performance results over standard IP networks. For more than 30 years, Visionary's products have been trusted worldwide in mission-critical applications where reliability, scalability and flexibility are paramount.

Visionary

tvONE Welcomes Cavitak as Distributor

INDIA: tvONE has announced its partnership with **Cavitak** as a distributor for tvONE and Green Hippo products in India.

Established in 1986 and headquartered in Ahmedabad, Gujarat, Cavitak has built a robust reputation in the ProAV market through its expertise in channel management and the distribution of specialised technology products. With over 36 years of experience, the company boasts a network of more than 4,500 channel partners and dealers across India, supported by six regional offices and 15 warehouses.

Cavitak's value-added distribution model encompasses comprehensive networking, in-depth product understanding, solution design,

and post-sales support. This approach ensures that clients receive not only state-of-the-art products but also the necessary support to implement and maintain them effectively.

"We are thrilled to partner with Cavitak to expand our presence in the Indian market," said Amit Singh, tvONE Regional Sales Manager, India. "Cavitak's extensive distribution network and commitment to excellence make them an ideal partner to represent the growing tvONE and Green Hippo brands."

The partnership aims to leverage Cavitak's established infrastructure and market knowledge to deliver tvONE's innovative solutions to a broader audience in India.

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Verrex Announces Leadership Transition



GLOBAL: Verrex has appointed Bill Chamberlin as its President, effective May 13, 2025. This leadership transition marks a significant milestone in the company's continued evolution and paves the way for an exciting future of growth and innovation.

Bill Chamberlin, the newly appointed President, brings a wealth of experience to his new role. With over 20 years of dedicated service at Verrex, including key leadership roles such as Vice President of Global Sales and Marketing, Bill has been instrumental in shaping the company's strategic direction and fostering strong client relationships, business development initiatives, and essential partnerships.

"I've had the privilege of working alongside and mentoring Bill for the past two decades," said Thomas Berry, who has served as Verrex's CEO for 25 years. "He has an exceptional understanding of our organisation's culture, clients, and people. I'm confident that Bill will lead Verrex with integrity, fresh energy, and a vision for positive change that aligns with our core values and future goals."

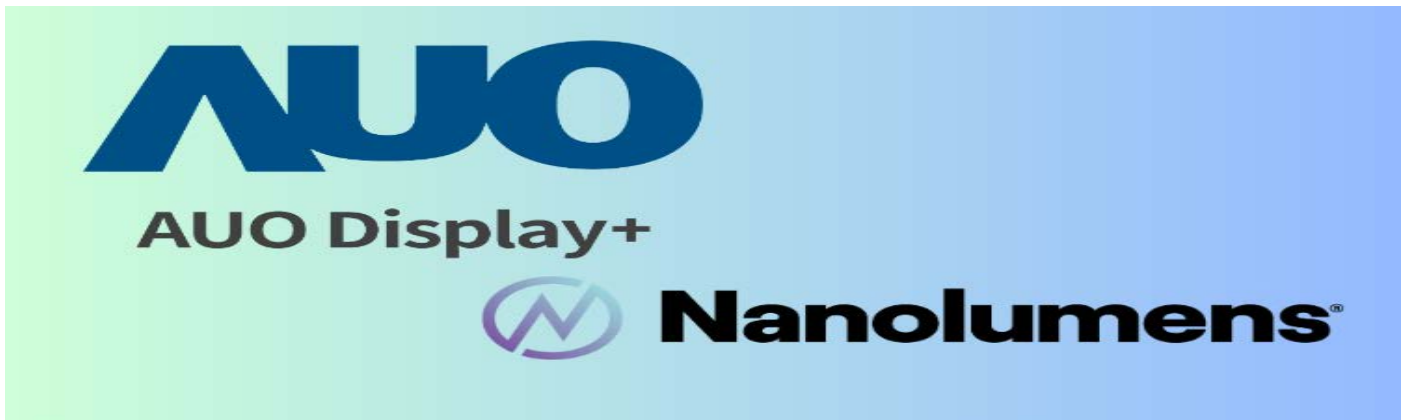
Thomas Berry, the former CEO, is transitioning to the role of Executive Chairman. In this capacity, Thomas will continue to provide invaluable support to the company by working closely with the Verrex Board of Directors and offering guidance to Bill and the senior management team as they embark on the next chapter of Verrex's journey, ensuring a seamless transition and maintaining the company's stability.

"Tom has developed over his career, where he is perfectly positioned to support the next generation of Verrex leadership and focus on being the crucial interface to the board," said Bill Chamberlin. "The great news is that Tom isn't going anywhere; he will continue to support us and be my sounding board like he has been for the past two decades."

Under Bill Chamberlin's leadership, Verrex remains steadfast in its commitment to delivering exceptional AV solutions and service experiences to clients worldwide. "I'm grateful for this opportunity, Tom and the Board have given me a chance to take this next step in my career," said Bill Chamberlin. "The rest of the management team is excited about the new initiatives and how we will look at the business moving forward. We aren't the same company we were eight years ago when Five Crowns acquired us, and we won't be the same company eight years from now, and that's a good thing." This commitment is a cornerstone of the Verrex mission and will continue to guide their operations under Bill's capable leadership.

Verrex

Nanolumens and AUO Display Plus Partner to Drive the Future of Display Innovation



GLOBAL: VNanolumens and AUO Display Plus have announced a strategic partnership to co-develop and deliver the next generation of display experiences for global markets.

The collaboration combines Nanolumens' proven expertise in engineering and integrating creative LED displays with AUO Display Plus' industry-leading capabilities in microLED and commercial display manufacturing for design-forward environments. Together, the companies will deliver advanced solutions tailored to the evolving demands of sectors such as transportation, enterprise, retail, public art, and cultural institutions.

"Partnering with AUO Display Plus empowers Nanolumens to scale our innovation roadmap more rapidly and deliver on complex projects with even greater efficiency," said Ney Corsino, CEO of Nanolumens. "Together, we are well-positioned to lead the next wave of transformation in how organisations use visual technology to connect, inform, and inspire."

By aligning research and development efforts, Nanolumens and AUO Display Plus will unlock

new possibilities for transparent, large-format, and high-performance display solutions that blend seamlessly into architecture while delivering exceptional performance.

"**AUO Display Plus** is committed to building ecosystems of innovation with partners that share our vision for smarter, more immersive visual communication," said Scott Hix, CMO of AUO Display Plus. "Nanolumens has proven itself as a leader in creative LED deployment, and this partnership allows us to jointly accelerate solutions that push the boundaries of what display technology can achieve in modern environments."

The companies will showcase the first results of their collaboration in **booth 3081** at **InfoComm 2025** which will be held from June 11 to 13, 2025, at the Orange County Convention Center in Orlando, FL. The event will highlight a unified vision for the future of display technology and its role in shaping experiential environments.

Nanolumens

Martin Audio and Generation AV Team Up for 3rd APAC Distribution Summit



SINGAPORE: For the third successive year, Martin Audio and **Generation AV** entertained all APAC distributors at their Singapore Experience Centre to celebrate growth and discuss future opportunities.

Attending the recent event, Dom Harter, Martin Audio Managing Director, shared updates from across the Audio Reproduction division of the Focusrite group, which also includes Linea Research, Optimal Audio and TiMax. Harter confirmed, "More partners are representing multiple brands, and while we want to ensure that each brand continues to flourish in its

own right, there are increasing opportunities for convergence and value-added solutions to customers."

Addressing the notable interest in spatial audio, which naturally leads to the potential sale of additional loudspeakers and electronics, the agenda included dedicated demonstrations of TiMax panLab and in-depth training with TiMax SoundHub, in combination with different loudspeakers and electronics from the Focusrite Group stable.

Group Marketing Director James King shared recent updates to his team's roles and



functionalities designed to fuel both individual brand growth and cross-brand opportunities. Further updates included the strides made in supply chain operations, as well as the Group's pragmatic approach to the international trade challenges of recent months. Early previews of upcoming new products and software also added excitement to the future potential in the region.

A familiar and popular inclusion was the case study session in which distribution partners talked through success stories and their approaches to the market. Brad Watson, Sales Director, commented, "It's always enlightening to see the strides being made in the territory and the ingenuity on display to win in various vertical markets. All distributors walk away inspired and with a fresh playbook of ideas they can try out in their own local market."

The event was rounded off fittingly with an Award ceremony which saw, among many other awards, Luxury Supply, Cambodia, win

best new Distributor, whilst Fuzion Far East, Thailand, picked up the award for Outstanding Performance in Immersive Sound. The most coveted title of 'Distributor of the Year' went to TAG, Australia.

David McKinney, Managing Director of Generation AV, said, "It was a fantastic week and so good to have all our partners come together to celebrate the successes, and to lay out new plans for the future. Big thanks to all our partners for making the week a major success and to Dom, Brad and James, whose joining us made for productive discussions."

Martin Audio

SONANCE Acquires Denmark-Based Blaze Audio to Expand Professional Market Reach



BLAZE
BY SONANCE

GLOBAL: Sonance, the originator of the in-wall speaker category and global leader in discrete architectural audio solutions, has acquired Blaze Audio, a premier innovator in high-performance amplification and sound reinforcement loudspeakers, based in Copenhagen, Denmark. This strategic acquisition secures the Blaze Audio brand and its sales and marketing operations, reinforcing Sonance's long-term commitment to delivering complete audio solutions and enhancing its presence in the global professional audio sector.

"This is about more than just expanding our product portfolio," said Ari Supran, CEO of Sonance. "It's about bringing together two companies that share a commitment to quality, innovation, and customer-first thinking. Blaze Audio brings a bold, focused amplifier lineup and adds sound reinforcement loudspeakers that help fill out the Sonance Professional loudspeaker range. This combination will help us push the boundaries of how integrated audio can perform and look across professional, residential, and marine applications."

Blaze Audio, celebrated for its professional-grade amplification solutions deeply rooted in Denmark's heritage of meticulously engineered audio systems, complements Sonance's mission perfectly to create hidden audio technologies that seamlessly integrate into any environment, delivering unparalleled sound quality while disappearing into the design.

The acquisition centres on the Blaze Audio award-winning PowerZone Connect network and Dante-enabled amplifier series and its complementary DSP software platform, PowerZone Control. These technologies complement the Sonance product line with scalable, network-connected audio solutions that deliver both unmatched reliability and seamless integration, essential in today's audio environments.

"This acquisition allows Sonance to strategically grow in key Professional markets such as hospitality, retail, and corporate environments, while also making a major step forward in our expansion into the sound reinforcement category," said Mike Sonntag, Chief Revenue Officer, Sonance Professional. "Blaze Audio's complete lineup of amplifiers and loudspeakers empowers us to deliver comprehensive audio solutions that better serve our global customers. With this addition, Sonance aims to make it easier than ever for our dealers to specify complete systems from a single trusted partner."

Sonance deeply values Blaze Audio & Pascal's Danish heritage and its tradition of amplifier innovation, which will remain a priority under Sonance's stewardship of the Blaze brand. To that end, Sonance will maintain a dedicated European office in Copenhagen, Denmark, helping better service its European customers across all of its brands and sales channels.

"Joining Sonance opens an exciting new chapter for Blaze Audio," said George Tennet, General Manager of Blaze Audio. "We're thrilled to align with a company that shares our commitment to excellence and innovation. Together, we'll be able to offer complete

audio solutions, seamlessly integrating our advanced electronics with Sonance's renowned loudspeaker technology, delivering unparalleled experiences to customers in the residential, professional, and marine sectors."

This acquisition also establishes a partnership between Sonance and Pascal A/S, Blaze Audio's parent company, laying the foundation for long-term collaboration, game-changing innovation, and setting Sonance up to offer high-performance audio systems across all of its market sectors.

"Blaze Audio was born out of Pascal's passion for high-quality installed sound. We are thrilled to see Blaze join forces with Sonance, a company that shares our dedication to engineering, design, and delivering compelling user experiences. We believe this is the ideal home for Blaze to flourish further," said Gustaf Høskuldsson, CEO of Pascal.

Sonance and **Blaze Audio** will jointly exhibit their integrated audio solutions at InfoComm in Orlando, Florida, from June 11-13 at **booth 6872**. Attendees are invited to experience first-hand the exceptional synergy of intentional design, engineering excellence, and immersive audio in a dedicated demo space located in **Demo Room W232A**.

Sonance

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Ryan Penny Joins d&b audiotechnik as Vice President Global Business Development



GLOBAL: d&b audiotechnik has announced the appointment of Ryan Penny as Vice President Global Business Development. In this newly established role, he will be responsible for leading and implementing global business development strategies and expanding the company's footprint across key markets and verticals.

With over a decade of experience in the professional audio sector, Ryan's broad skill set spans sales leadership, production management, consultancy, and strategic business development. Prior to joining d&b audiotechnik, he held senior commercial roles at HOLOPLOT and HARMAN International, and previously worked as a professional audio consultant at Vanguardia and RH Consulting. Ryan has also played a key role in delivering audio at high-profile global events, including the Opening and Closing Ceremonies for the Rio 2016 and London 2012 Olympic & Paralympic games.

"We are delighted to welcome Ryan to the d&b team," said Jaakko Kaivonen, Chief Revenue Officer, d&b audiotechnik. "His deep market expertise and his customer-driven approach and unique combination of engineering and commercial strategy make him ideally suited to this role. As we continue to grow our global reach and customer proximity and innovate across new markets and models, Ryan's leadership will be instrumental in helping us unlock further opportunities and deliver exceptional customer value."

At d&b, Ryan Penny will lead the implementation of the company's global and key account strategies, establish robust frameworks for international consultant relations, and support the commercialisation of business models such as CPO (Certified Pre-Owned) and Sound as a Service. Additionally, he will work closely with the Market Development and Market Intelligence teams to support strategic alignment across territories and represent d&b audiotechnik in relevant industry associations.

"I'm absolutely thrilled to join d&b – a company that has shaped my career from day one. I have an affinity for the brand, from using the systems as a student to competing against them as a professional. It's an exciting time to be joining the team, with new and innovative products and business models. I look forward to the future with d&b," said Ryan Penny, VP Global Business Development, d&b audiotechnik.

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Industry Leaders Unite to Launch OpenAV Cloud: A New Industry Initiative for an Open, Interoperable AV Ecosystem



GLOBAL: A coalition of leading AV manufacturers and technology providers have announced the launch of **OpenAV Cloud** a new industry initiative created to accelerate the AV industry's transition to the cloud by promoting openness, interoperability, and customer-first innovation. Founding members include Sony Electronics, Panasonic Projector & Display Americas, Legrand, Shure, BrightSign, and Xyte.

OpenAV Cloud aims to address one of the AV industry's biggest challenges: proprietary systems that hinder integration and innovation. By developing open, cloud-based APIs and shared frameworks for secure data access and cross-brand compatibility, OpenAV Cloud empowers manufacturers, integrators, and end users to collaborate and innovate seamlessly, assuring interoperability and integration.

"Customers today expect their technology to work together seamlessly, regardless of the brand," said Sam Sabet, CTO at Shure. "OpenAV Cloud is about collaborating to create AV solutions that are interoperable, efficient, and built for the future, ensuring we deliver top performance for our shared customers."

"By prioritizing interoperability, OpenAV Cloud promotes greater accessibility and freedom for our customers, regardless of their preferred solution or workflow," said Rich Ventura, Vice President, Professional Display Solutions, Sony Electronics. "We're proudly committed to working together with other industry leaders, allowing us to jointly provide our community with a frictionless and collaborative way to streamline integrations and promote the adoption of beneficial cloud-based solutions that have the ability to save time, resources, and money."

Members of OpenAV Cloud commit to:

- Meeting customer demand for flexible, interoperable solutions
- Building and maintaining open, read-write cloud APIs
- Collaborating on industry-wide standards and best practices
- Upholding secure, customer-controlled data access
- Promoting inclusive, cross-brand collaboration

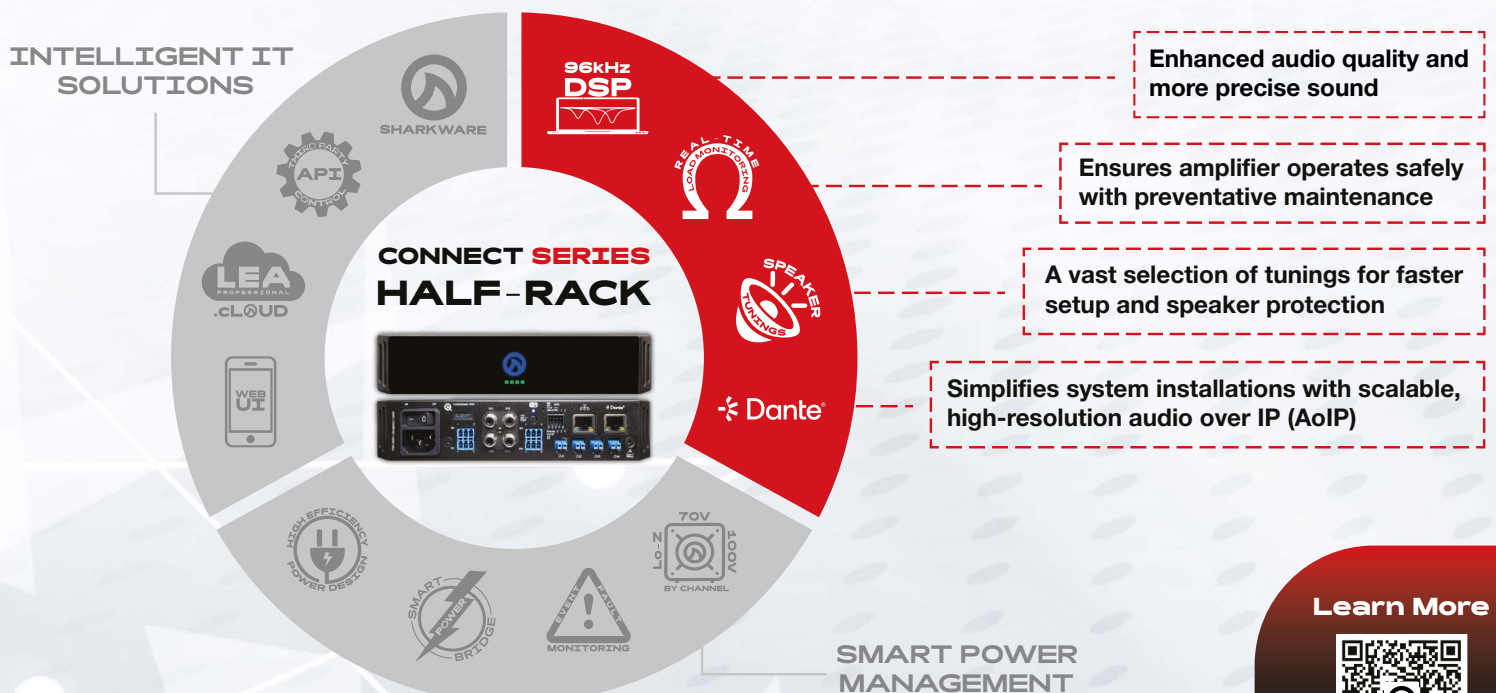
The initiative represents a turning point for the AV industry, which is rapidly shifting toward cloud-native solutions. OpenAV Cloud offers a framework that supports faster deployment, easier integration, and a better overall experience for customers and partners alike.

“The future of AV lies in accessibility and collaboration,” said Pamela Hoppel, President of Legrand | AV. “With OpenAV Cloud, we’re taking a collective step toward a more connected and customer-centric industry. By working together on shared standards and open APIs, we can unlock greater innovation and value for the AV ecosystem.”

The founding members invite AV manufacturers, system integrators, and managed service providers to join the initiative. Membership is free, with the goal of building a broad, inclusive community that shapes the future of AV together.



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AVPro Edge Announces COMM-TEC Asia Limited as New Distributor in Hong Kong



Chris Yang, Managing Director, COMM-TEC Asia Ltd with James Trumper, VP of International Sales, AVPro Edge.

HONG KONG: AVPro Edge has announced the appointment of **COMM-TEC Asia Ltd** as its official distributor in Hong Kong and Macau. This partnership marks a significant step in AVPro Edge's ongoing global expansion, bringing its award-winning AV signal distribution solutions to the Hong Kong market by teaming with a trusted and experienced partner.

With a long-established track record of success in professional AV distribution and a deep understanding of the local market, COMM-TEC Asia Ltd is ideally positioned to deliver AVPro Edge's innovative products—including AVoIP, matrix switchers, extenders, and more to integrators across Hong Kong.

"Partnering with COMM-TEC Asia Ltd is a significant milestone for AVPro Edge in Asia," explained James Trumper, VP of International Sales at AVPro Edge. "COMM-TEC's expertise and local market knowledge make them the ideal partner to represent our brand in Hong Kong and Macau. We are confident that together, we will deliver outstanding solutions and support to AV professionals throughout the region."

"We are delighted to become the official distributor for AVPro Edge in Hong Kong and Macau," said Chris Yang, Managing Director of COMM-TEC Asia Ltd. "AVPro's commitment to quality and innovation aligns perfectly with our mission to provide the best AV solutions for our clients. The launch event in Hong Kong was a remarkable success, and we look forward to a strong and fruitful partnership."

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SI Asia Knowledge and Networking Event Makes Mark in Ho Chi Minh City



V **VIETNAM:** On May 15, system integrators, distributors, and consultants converged at the Novotel Saigon Centre for the SI Asia Knowledge and Networking Event, marking a milestone as the first event of its kind hosted in Vietnam by Spinworkz, publisher of Systems Integration Asia magazine.

Designed to foster close industry engagement, the event offered an intimate platform to spotlight cutting-edge AV solutions. Participating technology partners—Kramer AV, Legrand AV, Shure, Netgear, and Visionary Solutions—each presented a focused table-top showcase, enabling attendees to explore their latest innovations up close and in depth.

A series of succinct presentations complemented the showcases, reinforcing each brand's value proposition and market relevance. The event culminated in a rooftop networking session, providing a relaxed setting for further conversation and connection against the Ho Chi Minh skyline.



"This is our first event in Vietnam, and the response has been encouraging," said Thomas Prakasam, Managing Director of Spinworkz Pte Ltd. "More importantly, it has served as a meaningful touchpoint for our partners to deepen their ties with the industry here."

The event reflects Spinworkz's ongoing commitment to building AV community engagement across the region—bringing knowledge, technology, and people together in impactful ways.



A series of succinct presentations complemented the showcases, reinforcing each brand's value proposition and market relevance. The event culminated with a networking session at the hotel's rooftop bar.

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ByteBridge Technology Expands Footprint with New Singapore Office



SINGAPORE: ByteBridge Technology officially marked its entry into Singapore on 23rd May, celebrating the launch of its new office alongside brand partners, industry guests, and top leadership. Co-founders Vivian Qi and Marvin Cunanan were among those present to commemorate the milestone, signalling the company's growing presence across the Asia-Pacific region.

Founded in the United States, ByteBridge has made a name for itself by delivering cutting-edge IT infrastructure and data centre solutions. Over the years, it has steadily expanded its global footprint, with offices now in Latin America, the Netherlands, and an extensive presence across Asia—including Singapore, Australia, Indonesia, Malaysia, Thailand, Hong Kong, Mainland China, the Philippines, Taiwan, Japan, Vietnam, South Korea, and India.

AV Meets IT: A Strategic Expansion



In 2023, ByteBridge launched its AV division, seamlessly integrating it into its IT offerings to meet evolving client demands. **Bruce Moore, General Manager, APAC,** explains, "Our core clients are global enterprises.

Adding AV into our suite of services was a natural progression, given the overlap between IT infrastructure and AV technologies in the modern workplace."

This strategic move is brought to life at the new Singapore office, which serves as both a workspace and a live experience centre. Designed with flexibility and innovation in



(L-R): Bruce Moore, Marvin Cunanan and Vivian Qi

Leading that charge is Desmond Huang. With over two decades of experience across AV brands and major systems integrators, **Desmond now serves as Director of Sales, APAC, at ByteBridge.**



“We’re uniquely positioned,” Desmond notes. “Our team bridges the worlds of IT and AV, which allows us to offer a more integrated and scalable approach for global clients. It’s about making things easier to manage, more efficient, and more aligned with future workplace needs.”

One of the standout advantages, he adds, is ByteBridge’s ability to embed AV planning at the outset of projects—rather than as an afterthought. “Since we’re already involved early on through IT and data infrastructure planning, we’re able to introduce AV considerations from the start. That kind of foresight benefits the entire project lifecycle.”

Bruce sums it up: “We offer a single, expert touchpoint for both IT and AV. For our clients, that means seamless execution, reduced friction, and a partner who truly understands the full spectrum of their technology needs.”

With a future-focused approach and a seasoned team behind it, ByteBridge’s new Singapore office isn’t just a regional expansion—it’s a bold step toward redefining the workplace technology landscape across Asia and beyond.

ByteBridge

mind, the space features a Town Hall-style area that can be easily transformed for events, presentations, or team bonding sessions. Visitors can also explore fully equipped meeting rooms featuring interactive panels, projectors, ceiling speakers, PTZ cameras, control panels, and acoustic treatments—giving them a first-hand look at how integrated solutions work in real time.

Even everyday functionality has been given a tech-forward twist. The office uses hot-desking and mobile table booking apps, demonstrating how smart workspace solutions can optimise efficiency.

A Veteran Team with a Unified Vision

One of ByteBridge’s key strengths is its people. “Most of our team have over 20 years of experience in the field,” says Bruce. “Many of us have worked in AV before, so when the time came to formally establish the AV division, it was a natural evolution.”

-Acoustics Delivers Decades of Professional Audio Expertise in Its Most Accessible Amplifier



Building on the revolutionary approach introduced with the LA7.16i, L-Acoustics announces the LA1.16i, an ultra-compact 16-channel amplified controller specifically engineered for the installation market. This latest innovation delivers unmatched channel density in a space-saving 1U format, making premium L-Acoustics sound accessible for a wider range of venues and applications.

Purpose-built for near-field and short-throw applications where higher sound pressure levels aren't the priority, the LA1.16i is ideal for hospitality venues, retail environments, cultural spaces, and residential installations. Its high channel count enables the deployment of large quantities of speakers – for example, up to 48 X4i compact enclosures – while its space-efficient design maximises rack space utilisation and optimises installation costs.

Like its predecessor, the LA1.16i incorporates L-SMART, L-Acoustics' patented power management technology that intelligently matches real-time power delivery to the needs of the loudspeaker system. This innovation optimises efficiency and ensures reliable performance while reducing energy consumption compared to traditional amplifier designs.

The LA1.16i is ideal for front-fill and delay systems in theatres and performing arts

centres, distributed background music systems in restaurants, hotels, and retail spaces, L-ISA spatial audio and ambience active acoustics installations, and home cinema and yacht entertainment systems.

For network integration, the Milan-certified LA1.16i supports Milan-AVB and AES67 audio network protocols with seamless redundancy, alongside AES/EBU and analogue inputs. Installation-friendly features include terminal block connectors for all audio outputs, GPIOs for third-party control system integration, and a 24V DC backup power input for the DSP card.

The LA1.16i is remotely configurable, monitored using L-Acoustics LA Network Manager software, and offers integration with popular media control systems through Q-SYS plugins, Crestron modules, and HTTP API.

LA1.16i represents a significant step forward in making L-Acoustics solutions more accessible for projects where high channel count and precise audio control are required. Its unique combination of features creates a compelling amplification solution that delivers uncompromised quality at an approachable price point.

LA1.16i will ship in summer 2025.

[L-Acoustics/LA1.16i](#)



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Datapath Adds Five-Slot V3 Option to VSN Video Wall Controllers



Datapath has added further options to its multi-award-winning video wall controller range by introducing a new five-slot, high-end processor. Designed for demanding but compact video wall projects, the VSN3-5 is a cost-effective, high-performing video wall controller option, alongside its 11-slot 'big brother' variant – the VSN V3.

Complementing Datapath's Aetria solution for Control Room and multi-video source management, the VSN V3-5 offers all the benefits of its larger brethren, while delivering considerable cost savings for customers who don't require a larger volume of graphics and capture cards.

Available now, Datapath's latest video wall controller is built with an improved chassis design for optimum cooling, hot-swappable fans for 24/7 uptime in mission-critical environments, and the same rigorous reliability testing as the award-winning, 11-slot V3. Replacing the VSN400N, the VSN V3-5 is the

latest addition to a comprehensive video wall controller offering from Datapath.

Released last year, Datapath's revised VSNMicro 600 video wall controller is available with an updated motherboard and processor and is an ideal choice for small- to medium-sized projects where a compact footprint is a premium requirement.

Also, for use either as a Personal Video Wall controller and/or Workstation within an Aetria environment, the VSNMini 300 offers a powerful and flexible workstation solution to manage medium-sized, multi-source video projects.

The VSN V3-5 will get its first public showing at **InfoComm 2025** in Orlando at the Datapath **booth 1411**. Running from June 11th – 13th, at the Orange County Convention Center, attendees can register for free using code **DAT352**.

Datapath/VSN V3

tvONE Ships CALICO PRO 1200 and New CALICO PRO Firmware & Software



tvONE has announced the shipment of its new video processing solution, CALICO PRO 1200. CALICO PRO (C7-PRO-1200) is a compact, 10-bit video processor that ships with a fixed I/O configuration of six 4K60 inputs and two 4K60 outputs, together with a built-in media store for background images and labels.

The newest addition to the CALICO PRO family is for LED applications of all sizes, capable of powering up to 16.5 million pixels across two outputs. It delivers hundreds of low-latency 4K video windows with seamless performance and 24/7 reliability.

Designed from the ground up, CALICO PRO is the ultimate solution for a wide range of video processing applications and delivers specific new features for easier and faster installation of complex Direct View LED walls. In addition, extensive projector edge blends and displays can be included in the setup, and content can be added from any source across all outputs. CALICO PRO's flexibility makes it suitable for diverse markets, including Corporate, Live Events, Stadiums & Arenas, Higher Education, Public Venues, Broadcast, and Control Rooms.

Alongside the new compact form factor is a new version of CALICO PRO firmware & CALICO Studio set-up and control software. CALICO Studio is packed full of new tools for flexible and simple LED setup. Advanced features include Output Mapper, which can separate and reposition pieces of a LED display in a real-world view, source cropping, allowing easy manipulation of multiple crops from the same or separate sources, and full output flexibility. Other advanced features include Input Mapper, Canvas Watch, an enhanced labelling engine, free source and output rotation, keying, dissolves and many more.

To download the new firmware, click [here](#)

To download the new software, click [here](#)

tvONE/CALICO PRO 1200

Q-SYS Announces Portfolio Expansion for its Full Stack AV Platform

Q-SYS Full Stack AV Platform Changing the Game

QSC has unveiled a significant release featuring Q-SYS Designer Software v10, new Core processors, VisionSuite Accelerator, enhanced design tools, and upgraded reporting capabilities for Q-SYS Reflect. Each new release substantiates layers of innovation within the Q-SYS Full Stack AV Platform — advancing a paradigm-shifting technology approach that empowers AV systems to deliver real-time action, data-driven insight, and greater flexibility to meet the demands of customers and modern spaces.

A full-stack AV platform is a forward-looking technology approach based on well-established IT architecture principles, including multimodal I/O, a cognitive cloud, and an intelligent platform OS. As applied to the AV industry, this approach replaces disparate, bespoke systems with a unified foundation of connective

technologies that grow with the customer's needs and provide easy additions as new and innovative technologies become available.

Expanding Processing Options and Simplified Licensing

The singular Q-SYS Intelligent Platform OS now drives three new Q-SYS Core processors, expanding the portfolio and enabling right-sized options for every application:

- **Q-SYS Core 24f** redefines the integrated AV&C processor category established by the Core 110f, improving upon its unique blend of processing power (2x DSP processing), onboard I/O support, network I/O capacity (160 x 160), AV bridging support, and an integrated control engine with support for 96 peripherals.

• Q-SYS X Class Server Cores introduce a new class of Q-SYS processors, utilising enterprise-grade server hardware for larger-scale applications. These Cores are fully networked and pair with localised edge-based I/O devices.

Server Core X10 delivers 3x the processing power of the Core 24f, supporting 256 x 256 network I/O and 64 AEC processors.

Server Core X20r doubles the DSP power of the Core X10, with 384 x 384 network I/O, 128 AEC processors, and enterprise-class features like redundant, hot-swappable power supplies.

In addition, Q-SYS is simplifying its control licensing. Integrated control capabilities, including scripting, plugins, and UCI deployment, are now included at no additional cost.

Q-SYS Launches VisionSuite AI Accelerator and Smarter Design Tools

Q-SYS VisionSuite introduces intelligent new multimodal technologies that enhance in-room automation, speaker/presenter tracking for remote participants, and design workflows:

- **Speaker Spotlight** triangulates the active speaker using their voice and image, enabling dynamic camera framing without static presets.
- **Presenter Spotlight** leverages advanced computer vision to deliver predictive, full-body presenter tracking.
- **Full-room automation** across VisionSuite delivers engaging, intelligent experiences while simplifying operations for integrators and administrators.

Driving these capabilities is the new **Q-SYS VSA-100 VisionSuite AI Accelerator** a native Q-SYS device built to power advanced automation. In addition, the update introduces **Q-SYS VisionSuite Designer**, a 3D configuration and visualisation tool within Q-SYS Designer Software, allowing system designers to model and deploy spaces with greater accuracy and efficiency.

Q-SYS Reflect: Enhanced Visibility and Actionable Insights

Q-SYS Reflect, the cloud-based remote monitoring and management solution for Q-SYS systems, now offers new **Data & Reporting tools** to deliver deeper visibility into system performance. Users can analyse AV reliability, track system health, and visualise trends across deployments.

Additionally, the **Reflect API** is now available for free, including third-party device monitoring, enabling seamless integration with enterprise-wide IT monitoring platforms for faster, more informed decision-making.

Q-SYS Designer Software v10

Q-SYS Designer Software v10 marks the platform's largest software release to date, introducing support for new Q-SYS Cores and the new VisionSuite AI Accelerator. It also adds Android UCI Viewer support, native SMPTE ST 2110 audio with NMOS control, improved audio support for the NV-21-HU, and a new software development workflow for UI/UX creation.

QSC/Q-SYS Full Stack AV Platform

Atlona Aims for Smart Connectivity in Classrooms and Meetings



Atlona has announced that the AT-OME-SW21-TX is now shipping. This versatile HDBaseT transmitter combines USB-C and HDMI inputs with a built-in USB Hub to simplify AV integration. Designed for today's dynamic meeting and instructional spaces, this transmitter supports 4K/UHD at 60 Hz with 4:4:4 chroma sampling, ensuring exceptional video quality. Its built-in automation and distance capabilities of up to 330 feet (100 meters) make it an ideal solution for presentations and collaborative sessions.

AT-OME-SW21-TX: HDBaseT Transmitter with USB-C and HDMI Inputs plus USB Hub

- Two-input switcher and HDBaseT transmitter with USB-C and HDMI inputs
- USB-C input for AV, USB data, and optional device charging (up to 60 watts)
- Mirrored HDBaseT and HDMI outputs
- Extend AV, power, USB 2.0 data, control, and Ethernet up to 330 feet (100 meters)
- Integrated USB 3.2 Gen 1 hub
- Switch between USB host sources
- Selectable 4K to 1080p downscaling for HDMI output
- Local powering and USB-C charging available with optional power supply
- Automatic input selection and automatic display control

The OME-SW21-TX is a versatile and powerful solution designed to enhance connectivity and collaboration in both educational and commercial environments.

In the classroom, the OME-SW21-TX shines when paired with the [AT-USB-EX350-KIT](#), enabling seamless extension of USB signals from a 4K camera to the OME-SW21-TX switcher. This ensures crystal-clear visuals for remote or in-person learners alike. The mirrored HDMI output makes it easy to connect a confidence monitor on a desk or lectern, giving educators clear visual feedback and helping them stay engaged with their presentation materials.

In commercial settings, this device is ideal for installation beneath a meeting table. With built-in USB-C, HDMI, and USB data ports, it supports easy and reliable BYOD (Bring Your Own Device) presentations. When connected to the [AT-OME-EX-RX receiver](#), it enables smooth, point-to-point extension from the table to a wall-mounted display, streamlining meeting setups and minimising cable clutter.

Designed with productivity in mind, the OME-SW21-TX allows users to effortlessly connect their laptops, share AV content, and interface with USB peripherals such as speakerphones.

With USB over HDBaseT, users can even control and receive high-quality video from remote conferencing cameras or bars, perfect for hybrid meetings and collaborative sessions. Installation is simple and discreet—the switcher can be mounted directly into a desk or lectern, with AV and USB signals routed via HDBaseT to the **AT-OME-CS31-SA-HDBT switcher** integrated audio amplifier, and USB hub located behind the display. The result is a clean, professional setup that prioritises user experience.

Just plug in your device, and the display automatically powers on and presents your content. Once the session is over, disconnect your device and the system powers down the display—no manual switching or complex commands required. It's a plug-and-play experience that boosts efficiency, reduces downtime, and keeps meetings and lessons running smoothly.

Atlona/AT-OME-SW21-TX

Da-Lite Has Released a New Technology Plugin Integration for Q-SYS



Da-Lite, a brand of Legrand | AV, has announced its new Q-SYS plugin integration, Da-Lite Screen Controller. As a contributor to the Q-SYS Ecosystem, Da-Lite collaborated with Q-SYS to create a market-ready control solution that integrates seamlessly into Q-SYS, a cloud-manageable audio, video, and control platform. Da-Lite is a leading global producer of high-quality commercial and residential projection screens. The Screen Controller box allows remote control of a screen or control through a TCP/IP connection or RS-232 Communication.

Da-Lite worked closely with Q-SYS, which has fully vetted and endorsed the following plugin integration with a Q-SYS Certified badge:

Da-Lite Screen Controller Plugin:

The Da-Lite Screen Controller plugin integrates the control of a screen through a TCP/IP or RS-232 connection to the Da-Lite Screen Controller. The Screen Controller is an accessory for Da-Lite motorized projection screens with integrated low-voltage control or an external low-voltage control.

The Screen Controller interface box is configured to supply all the control that configuration integrators or end users might need for their projection screen and is powered by PoE, which requires a connection to an Ethernet switch that provides PoE+ power (30W minimum). Its web interface can be used for initial device setup, administrative control, and operation. This device is compatible with the Vaddio Deployment Tool, which scans the network for Vaddio and Da-Lite devices, lists them by model and IP address, identifies all devices that are not set up, and provides the controls to complete the initial device setup. It will also provide links to each device's web interface.

Da-Lite

AtlasIED Unveils New C-T4 Series Wall Controllers for Atmosphere Audio Control System



AtlasIED has launched its new C-T4 series wall controllers, which join the Atmosphere audio control system technology family. These innovative controllers are designed to elevate user interaction and streamline audio management in commercial environments.

The C-T4 series controllers feature a 4.3-inch programmable touchscreen, a capacitive touch volume slider, programmable action buttons, and a built-in PIR motion sensor. With seamless plug-and-play integration into the Atmosphere ecosystem, the controllers allow for effortless configuration of zones, sources, recalling actions, and more. These features enhance the Atmosphere system's flexibility and user-friendliness in settings ranging from hospitality venues to corporate offices.

When motion is detected, the integrated PIR motion sensor adds an extra layer of automation by triggering preset actions or behaviours on the AZM head-end processor. This feature can enhance energy efficiency by optimising audio settings based on room occupancy.

Designed with versatility, the C-T4 series models are all 2-gang devices that plug directly into Atmosphere AZM head-end processors. They support daisy-chaining over distances of up to 1,000 feet, offering significant flexibility for installation in a wide range of commercial environments.

Available in four variants to meet diverse design preferences and functional requirements, the C-T4 series includes:

- C-T4: White finish, without Bluetooth audio
- C-T4-B: Black finish, without Bluetooth audio
- C-T4BT: White finish, includes Bluetooth audio
- C-T4BT-B: Black finish, includes Bluetooth audio

AtlasIED's introduction of the C-T4 series offers innovative, high-performance solutions to enhance user experience and operational efficiency.

[AtlasIED/C-T4 series](#)

Lumens Launches World's First Dante AV-H PTZ Camera with Integrated Speaker Tracking



Lumens has launched the 4K VC-TR60A Dante AV-H PTZ camera. Optimized for installation on 1G and 10G Ethernet networks, the camera supports third party tools such as Dante Controller, Dante Domain Manager and Dante Director, giving users and administrators the ability to control, route and secure video streams, using familiar applications.

Steven Liang, Head of Product Development at Lumens noted, "The launch of the VC-TR60A Dante AV-H is a landmark moment for the AV and UC industry in its quest for high performance, cost-effective and dependable video equipment with genuinely useful autonomous shooting modes. Previewed at ISE 2025, we have already received strong interest from customers who value the versatility this camera delivers, plus the control and security offered by Dante AV-H."

Dante AV-H is an H.264/H.265 format that encodes video up-to 4K at high quality and low latency. It brings interoperability to AV-over-IP products, providing easy discovery, connectivity

and manageability. Dante AV-H is designed to integrate seamlessly with Dante audio streams, enabling organizations to transmit and synchronize IP video and audio in a new and cost-effective way.

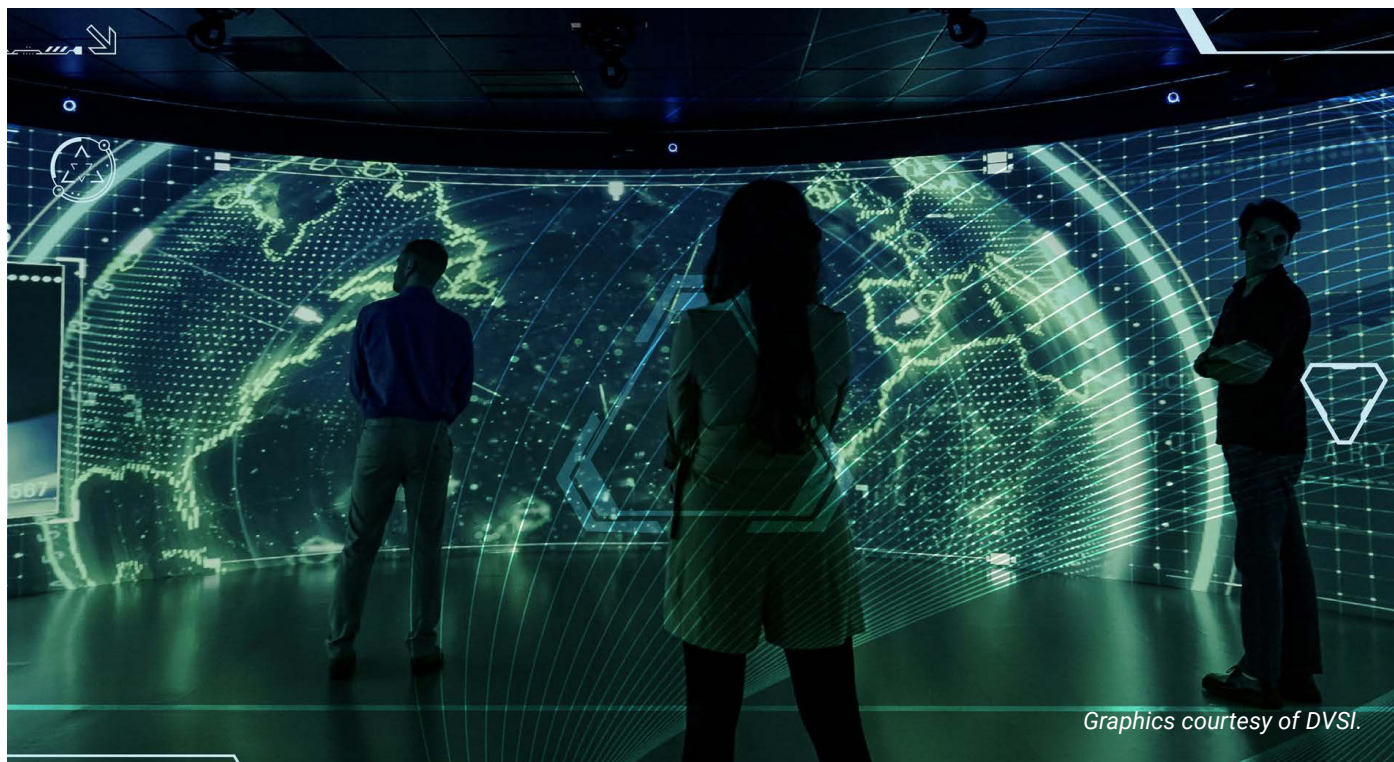
VC-TR60A Dante AV-H is a dual sensor 4K PTZ camera with AI-powered integrated speaker and motion tracking capabilities, picture-in-picture output and dual camera streaming. Liang added, "VC-TR60A Dante AV-H is our most feature-packed PTZ camera ever. As a dual camera design and with remarkable voice and presenter tracking capabilities, it meets the needs of so many customers in meeting rooms, conference auditoria and live events. The inclusion of Dante AV-H is extremely important, enabling fast integration, remote control and a high level of security."

Dante AV-H supports AES-256 encryption, enterprise-level security and management, granular user access control, alerts, audit logs, and routing media across subnets without complex network management. This makes the format well-suited to environments where data sensitivity is all-important.

Paired with Lumens' OIP Bridge mini-Dante transcoders, users can transmit, route and switch Dante video and audio between a variety of end points including cameras such as the VC-TR60A Dante AV-H, computers running Teams and Zoom, displays, DSPs, microphones and in-room speakers. With IP, HDMI and USB connectivity, the transcoders and the new PTZ combine to deliver a plug and play experience for users.

Switching Lanes: How Network Switches Drive the Future of AV

by Ralph Illingworth, Chief Technical Officer, DVSI



Over the last decade at **DVSI**, I've witnessed close-up the worlds of AV and IT fully merging into each other. A profound convergence that has put sophisticated networking at the heart of every

audio visual environment we design. For us, constantly taking stock of the complex networking technology required to sustain this crucial infrastructure is not just an academic exercise – it's fundamental to delivering the seamless, high-performance AV solutions DVSI's clients expect.

From corporate boardrooms to the most demanding experience centers, network

switches now serve as the critical backbone for cutting-edge AV deployments. However, the switch's role isn't static; it's continually expanding alongside evolving AV demands.

This article, written from the perspective of an experienced AV systems integrator, DVSI, explores key considerations for network switch selection, implementation best practices, and emerging trends that will shape how integrators connect and distribute clients' audio visual content in the years to come.

The Role of Layer 3 Switches in Modern AV

As AV over IP (AVoIP) continues to gain traction, these powerful switches now handle everything from video distribution to audio streaming while maintaining network integrity. For professional AV deployments, Layer 3

switches have become the standard choice, offering advanced routing capabilities between different subnets. In extensive AV networks spanning multiple departments or buildings, these switches improve scalability by enabling devices to communicate across network segments without sacrificing performance.

The complexity of network switch configuration has led many OEMs to offer pre-configured, re-branded network switches specifically designed for AV applications. These purpose-built switches come with optimized settings to avoid the headaches that can arise from improper configuration.

Making AV over IP Work: Traffic Separation and Best Practices

The shift to AV over IP represents a fundamental change in how we approach audio visual distribution. Understanding the various traffic types flowing through these networks is crucial for optimal performance. AV networks typically carry three distinct types of traffic:

1. Regular internet data traffic
2. Control system messages for AV device management
3. AV over IP signals including video streams and audio (like Dante)

Best practice strongly suggests keeping these traffic types separated through dedicated VLAN segments, particularly isolating AV over IP video signals and Dante audio in their own segments. This approach prevents interference and ensures consistent performance for time-sensitive media.

To get the most from AV over IP, consider these proven approaches:

Build in Redundancy: Mission-critical AV systems can't afford downtime. Implementing redundant power supplies and creating dual

network paths ensures that a single failure point won't bring down operations when it matters most.

Calculate Bandwidth Requirements Carefully: High-definition video and uncompressed audio can consume substantial bandwidth. Before deploying an AVoIP solution, assess your actual requirements and ensure your infrastructure can handle the load comfortably. At the same time it's important to consider the future uses and ensure the systems you install today are capable enough to handle what might be thrown at them further down the road.

Implement QoS Strategically: Quality of Service isn't just a nice-to-have feature in AV environments—it's essential. Proper QoS configuration ensures your video stays crisp and your audio remains synchronized, even when the network faces competing demands.

The 10Gb Revolution: Why Higher Bandwidth Networks Are Inevitable

While 1Gb networks remain commonplace even for 4K video signals in many current AV over IP installations, the industry is rapidly moving toward higher bandwidth requirements. The future of AV clearly points to 10Gb networks becoming standard, driven by several key factors:

BYOD Evolution: Bring Your Own Device capabilities are transitioning from simple screen sharing to full-featured connectivity. The industry is working to replicate the comprehensive functionality of a USB-C connection over network connections—something a 1Gb pipe simply cannot handle adequately.

BYOM Integration: Bring Your Own Meeting (BYOM) functionality currently relies heavily on direct USB-C connections but is poised to merge into the AV over IP ecosystem. This convergence is the next major target for

networked AV, requiring substantial bandwidth increases.

Comprehensive Connectivity: Modern meeting spaces need to support simultaneous camera feeds, speaker systems, microphone arrays, single 4K displays, and increasingly dual 4K displays—all potentially from a single connection. This level of integration demands the headroom that only 10Gb networks can provide.

IPMX Standard Development: The AIMS Alliance reports that the IPMX specification (essentially ST-2110 adapted for Pro-AV, including USB transport) will be production-ready this year. This signals broader interoperability and will accelerate the adoption of high-bandwidth AV networking solutions.

PoE Considerations: We need more power!

USB-C's ability to charge devices over the same cable handling all AV signals is yet to be matched by network switches, even PoE++ falls short of the 100w mark, required for laptop charging. This means we need to be using locally powered USB-C devices for now, however in the future this is likely to change. When we start to see more power being sent down the ethernet cable it is inevitable for the ethernet cable itself to change as it will need to be of thicker gauge in order to handle POE over 100w.

PoE (802.3af): The original standard provides up to 15.4W per port, sufficient for basic devices like IP phones and simple displays. **PoE+ (802.3at):** This enhanced standard delivers up to 30W per port, capable of powering more demanding devices like PTZ cameras and larger displays.

PoE++ (802.3bt): The latest standard comes in two types—Type 3 providing up to 60W

and Type 4 delivering up to 90W per port. This level of power enables support for larger touchscreens, all-in-one video conferencing solutions, and even compact digital signage displays.

When selecting switches, it's crucial to consider both the per-port power capacity and the switch's total power budget. A switch may technically support PoE++ on all ports, but its overall power supply might not support maximum draw on every port simultaneously—a critical detail often overlooked in system design.

AI Takes the Wheel: Network Intelligence in AV Systems



Juniper Mist.

Artificial intelligence is transforming how we manage network infrastructure, particularly in demanding AV environments. Platforms like Juniper Mist represent the leading edge of this trend, offering capabilities that were science fiction just a few years ago.

These AI-driven systems continuously analyze network performance, dynamically adjusting parameters to ensure optimal operation for AV devices. When video conferencing systems, digital signage, or media players connect to the network, the platform automatically prioritizes their traffic and monitors for potential issues.

The practical benefits extend beyond just performance. Enhanced visibility means teams can quickly identify and resolve problems before they impact users. Cloud-based management eliminates geography as a limitation, allowing AV and IT staff to monitor and configure systems from anywhere.

Perhaps most exciting is the emergence of AI-assisted switch configuration. There used to be a few select members of the team that were designated this role and a skill set which was hard earned but now it's easier than ever due to AI's knowledge on CLI commands for the majority of switches out there. AI can now analyze network conditions in real-time and suggest or implement optimizations automatically. This approach reduces human error, speeds deployment, and helps ensure consistent performance across complex AV systems.

Conclusion: Switching to the Fast Lane

Network switches have quietly become the foundation upon which modern AV experiences are built. Whether powering simple presentations or complex immersive environments, these devices determine what's possible in corporate settings, experience centers, and beyond.

The steady migration toward 10Gb infrastructure, BYOM integration, and comprehensive AV over IP solutions signals that we're entering a new era where the

distinction between traditional AV connectivity and network transport will disappear entirely. Forward-thinking organizations are already preparing for this transition by investing in network infrastructure that can accommodate tomorrow's demands.

At **DVSI**, as we look to the future, we anticipate intelligent, AI-powered networks will continue to dismantle technical barriers. This evolution will empower our AV professionals to dedicate their expertise to crafting truly compelling experiences, rather than expending valuable time on connectivity troubleshooting. The convergence of AV and IT has put the network switch resolutely at its center. For **DVSI**, the switch is more than just a connecting device; it's actively enabling the next generation of audio visual innovation and ensuring the seamless delivery of ever advancing AV solutions to our clients.

Ralph Illingworth is CTO of DVSI, a specialist systems integrator delivering complex audio visual environments around the world –

DVSI



Graphics courtesy of DVSI.

SINGAPORE

Bedok Methodist Church Selects L-Acoustics A Series After Rigorous Four-Week Shootout

Strategic A10i installation transforms sanctuary's acoustics while maintaining architectural aesthetics



Established in 1946 with just 15 members gathering in an attap house—a traditional dwelling with palm frond roofing—Singapore's Bedok Methodist Church has grown into a vibrant modern house of worship serving hundreds of faithful. Recently, the church undertook a complete revamp of its current premises, culminating in the installation of an L-Acoustics A Series sound system. This technical upgrade marks a dramatic shift from

the church's previous mono array configuration to a sophisticated stereo system, bringing pristine clarity and uniform coverage to its 600-capacity sanctuary.

"The selection process was uniquely thorough," explained Gerald Fong, Project and Sales Director at **Concept Systems Technologies** L-Acoustics Certified Provider Distributor. "Through a rigorous four-week demonstration

FACT FILE

Project Name: Bedok Methodist Church

Project Location: Bedok, Singapore

Project Segment: Houses of Worship

Systems Designers and Integrators: Concept Systems Technologies

AV Highlight: To deliver pristine, immersive stereo sound with uniform coverage throughout the 600-seat sanctuary, upgrading from a mono array without overwhelming the space.

Key AV Brand: L-Acoustics



period coordinated by the church, prospective systems from four different manufacturers were put through their paces in real worship services with live bands and pastoral programs."

At the end of the month, it was the performance of the L-Acoustics A Series that consistently stood out, delivering tour-grade sound quality within the church's budget parameters.

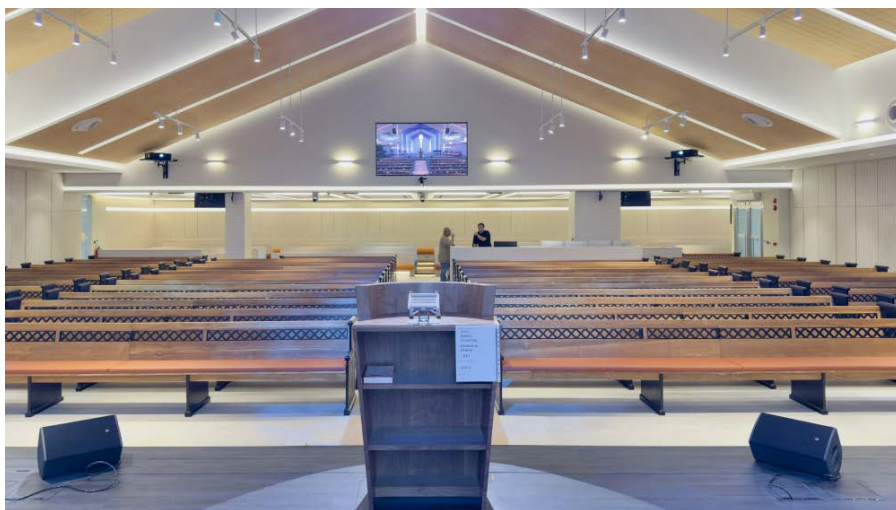
The final system design, meticulously modelled in L-Acoustics Soundvision 3d software and verified by L-Acoustics application engineers, features a precise combination of A10i and X Series components. The main left-right configuration consists of two A10i Focus and one A10i Wide per side, complemented



by three centrally flown SB18i subwoofers for controlled low-end reinforcement. This configuration was specifically chosen after initial demonstrations revealed that the SB18i provided a tight bass response best suited to the sanctuary's high-ceiling, A-frame architecture.

Coverage uniformity was achieved through strategic placement of fill speakers. Single L-Acoustics X8i enclosures were mounted on each side of the hall for under-balcony coverage, with four additional X8i units serving the rear seating area's lower ceiling section. Two compact 5XT coaxial speakers handle a small adjacent section, while four X8 cabinets provide stage monitoring for performers.

Recently appointed Audio-Visual Technician Aiden Lee puts the impact of the new system into perspective: "From the choir's first breath



to the worship band's full performance, the A10 system delivers unparalleled clarity. The combination of the hall's acoustic treatment and L-Acoustics' pristine sound reproduction gives me complete confidence in managing our diverse range of services and musical productions."

L-Acoustics



AS AUDIO

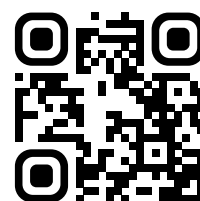


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MEET THE TRAINER

Alex studied Electro Acoustics at the University of Applied Sciences in Cologne, Germany. His close collaboration with Apogee Sound Inc. and Adamson Systems Engineering helped him develop a deep expertise in large-scale sound systems. From 2005 to 2010, he worked with Real Sound Lab, focused on measurement software and correction tools,

where he served as Director of Pro Audio. With over 35 years of experience as a sound engineer for broadcast, live sound, and system engineering for multiple tours, Alex effectively bridges theory with real world applications. Since 2010, he has lived in Asia, developing his career and actively working across the APAC region.

**REGISTRATION
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+65 8777 2944

✉ alex@asaudio.com

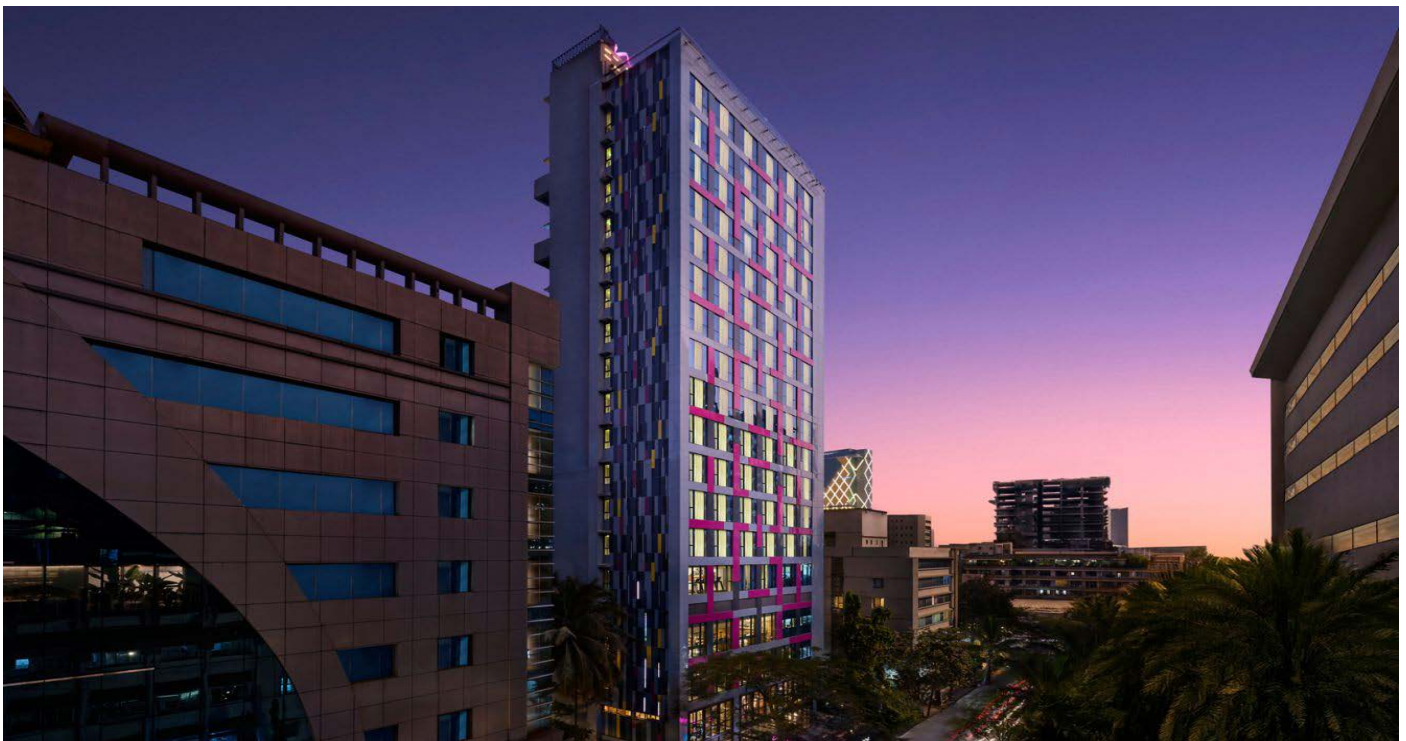
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INDIA

Experiential Kore AV at Moxy Mumbai Hotel

Harman Professional, Kore AV Solution Blend Expertise to Redefine Hospitality

by Ram Bhavanashi



Moxy Hotels Mumbai – part of global hospitality giant Marriott Bonvoy's portfolio – is the newest marvel in India's commercial metropolis, redefining hospitality décor and delights. A veritably harmonious blend of structure and texture, the hotel is also a statement of experiential AV-carefully curated by Kore AV Solution LLP, in association with Harman Professional India.

The Opportunity

If making a bold statement through unconventional hospitality were a competition, Moxy Hotels in Mumbai would wear the crown with effortless flair. Channeling the vivacious

spirit of the City of Dreams, Moxy Hotels, part of Marriott Bonvoy's renowned global portfolio, radiates the playful, social charm of an alluring metropolis. It attracts both the young and the young-at-heart with its dynamic guest offerings and spirited service, every corner draped in

FACT FILE

Project Name: Moxy Hotels Mumbai

Project Location: Mumbai, India

Project Segment: Hospitality

AV Highlight: The hotel sought an immersive sensory experience that wove a dance of sound and music across every inch of its luxurious oasis

Key AV Brands: JBL, BSS, AMX, AKG, EPSON, LG, SAMSUNG, Integrator (Motorized Screen)

whimsical and eclectic tributes to the joy and glamour of the entertainment capital of India.

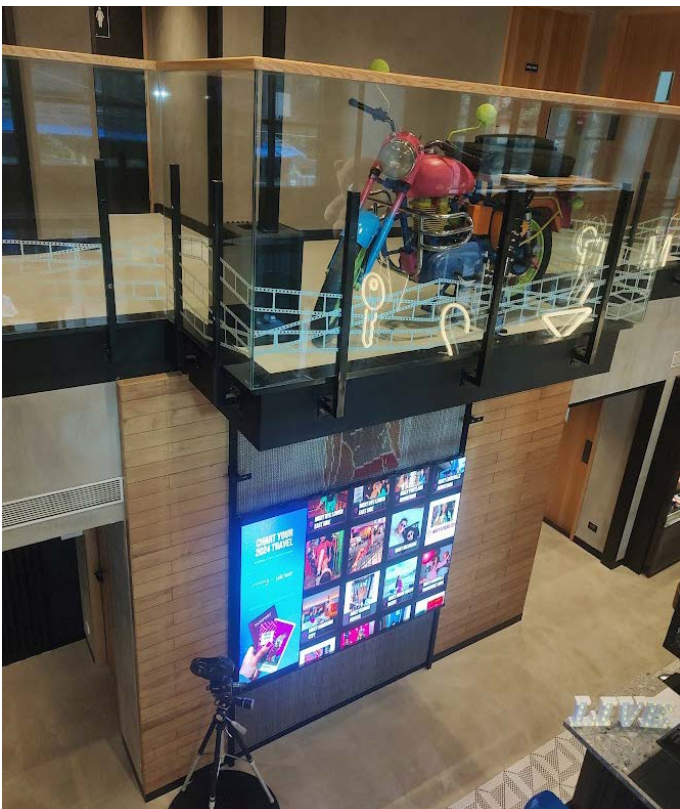
To complement an energetic yet warmly inviting ambiance, the hotel sought an immersive sensory experience that wove a dance of sound and music across every inch of its luxurious oasis. Be it the fun lobby, the vibrant bar, the soothing lounge, or the opulent in-house restaurant, there was a need for an interoperable and scalable entertainment ecosystem.

The Solution

Tasked by the **Landmark Group India** to deliver crystal-clear sound and pulsating energy across diverse spaces, **KORE AV SOLUTION LLP** and Harman engineered an innovative solution that would harmonise with the hotel's spirited ambiance and modern aesthetics.

Setting the stage for a welcoming and engaging experience, Harman implemented a premium background music system throughout the public areas, including the lobby, lounge, bar, restaurants, and outdoor spaces. This setup featured a combination of JBL Control 47CT in-ceiling loudspeakers, which gave consistent coverage and extended bass performance, along with JBL Control 26CT ceiling speakers, which are known for their high-performance audio output and broad distribution.

To support these systems, ultra-compact JBL Control 42C satellite loudspeakers paired with Control 40CS/T subwoofers were strategically positioned to provide powerful, natural sound with minimal visual impact **in the GYM**. Additional **JBL 26CT** full-range in-ceiling loudspeakers were installed for high-sensitivity sound reproduction in **all day dining & private dining** areas and cafes, while JBL AWC62 all-weather compact loudspeakers ensured robust sound in outdoor areas.



LED wall hotel lobby.



With a view to achieving simplified adjustment and signal management across all audio zones, the hotel deployed **Apart** EVOL 120 volume controls equipped with 24V priority relays, guaranteeing that microphone calls were broadcast at the optimal volume. Building upon this foundation, BSS EC-4BV Ethernet wall controllers and the BSS BLU 100 signal processors were utilised for configurable and reliable digital audio distribution, enhancing both efficiency and user-friendliness. Further ensuring robust sound distribution throughout the public spaces, JBL CSA 240Z, CSA 140Z, and CSA 1300Z amplifiers featuring DriveCore Technology were employed to complete the integration of the entire audio system.

Beyond background music, Moxy's banquet hall required a more dynamic and adaptable sound system capable of handling everything from corporate presentations to high-energy celebrations. The arrangement featured JBL Control 67P/T pendant speakers, driven by a robust JBL CSA 1300Z amplifier to maintain uniform, high-quality sound.

For live speeches and performances, AKG WMS470 Presenter Set and AKG WMS470 Vocal Set D5 microphones were chosen for their clear, interference-free wireless audio.

To maximise signal strength and ensure a sophisticated experience across large events, the system also included AKG APS 4-EU and AKG RA4000 B/EW antennas, allowing for stable and efficient signal transmission without dropouts.

Meeting Room Sophistication

This sophistication carried over to the meeting rooms, which were carefully designed with flexibility and user-friendliness in mind. JBL Control 26CT ceiling speakers, along with JBL CSA 140Z amplifiers, supplied pristine audio output suitable for presentations and discussions.

To optimise the space's multimedia capabilities, AMX ACR5100 Acendo Core Meeting Space Collaboration System offered cohesive integration with various web conferencing platforms, document sharing, and scheduling tools. The room's video distribution was powered by AMX PR-0402 Precis 4x2 4K60 HDMI Switcher, guaranteeing uninterrupted routing of ultra-high-definition video signals across multiple screens, including LG 65UM3E and 55UM3E commercial displays, and Samsung QB65B and QB55B displays.

Efficient multimedia connectivity was also upgraded by AMX DX-TX-WP and DXL-RX-4K60 wallplate transmitters and receivers, which offered reliable 4K and UHD video transmission over extended distances. Furthermore, the AMX MD-702 Modero G5 Wall Mount Touch Panel and AMX NX-1200 NetLinx Integrated Controller provided intuitive control over all AV settings, simplifying space management for both guests and staff.

For those souls wanting to rewind themselves, after a hectic day of business, there is a purposefully designed entertainment zone. DJs and live performance areas equipped with a JBL PRX One all-in-one powered column PA system, featuring a 7-channel digital mixer, DSP, Bluetooth connectivity, and app control for best-in-class acoustic performance create a truly refreshing experience.

To ensure high-quality, professional-grade audio processing, BSS BLU 100 signal processors were added, while AKG WMS 470 Vocal Set D5 wireless microphones provided crisp, powerful sound for performers and speakers alike.

For large-scale visual entertainment, an Integrator MTTSHG106 motorised projection screen was installed, featuring a 100" matte white surface for exceptional image clarity. Paired with an Epson EBFH-06 Full HD projector **in the Banquet area**, this setup ensured sharp, vibrant visuals, even in well-lit spaces.

Another feather in the cap was an addition of Live DJ solution in the open terrace to match the vibrancy of Moxy Hotel. JBL AWC595 and AWC159 delivered best sound power by Crown DCI4|1250N Amps and high base through ASB6118-WRX Sub-woofer. Pioneer DJ Console XDJ-RR and BSS BLU-50 did the signal management and mixing to lit up the evening mood.

It was this bold and unconventional spirit that Moxy Hotel, Mumbai West, sought to

amplify, where guests could experience a seamless fusion of technology and ambiance that matched the hotel's dynamic personality. That's why they turned to a cutting-edge AV solution, ensuring that every space, from the lively social zones to the high-energy event venues, delivered a rich, immersive audio-visual experience tailored to the pulse of the city.

The Impact

Sachin Karekar, KORE AVS, reflects on the project's success: "The project's success underscores our commitment to delivering innovative solutions that exceed client expectations."

By implementing a scalable and future-ready AV infrastructure, KORE AVS and Harman have ensured that Moxy Hotel, Mumbai West remains at the forefront of modern hospitality experiences. The adaptable system not only meets the hotel's current entertainment and operational needs but also allows for simplified integration of future upgrades, making it a long-term investment in both style and functionality.

Sagar Galani, Landmark Group India, commends the execution: "The KORE AVS team has worked tirelessly to achieve this final solution, and we're proud to announce our output surpasses all expectations."

This successful project exemplifies how sophisticated technology can be harnessed to create inspiring environments that authentically reflect a hotel's unique character. Through innovative design and precise execution, the hotel has emerged as a vibrant, tech-enhanced destination that elevates guest experiences to new heights.

HARMAN Professional Solutions

AMX

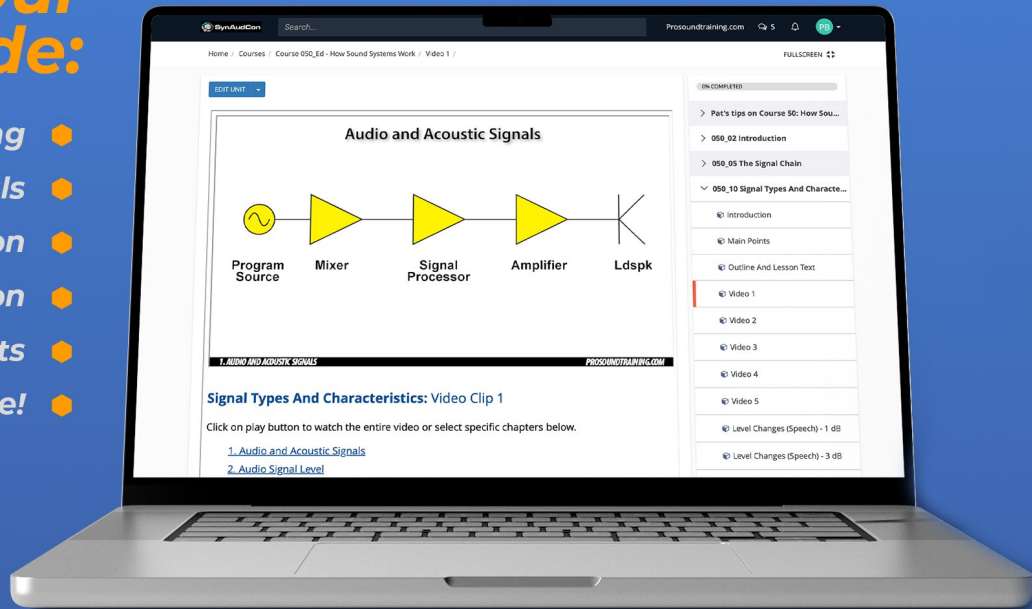
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