



SHOW SUMMARY

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Introduction



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ISE is the world's leading AV and systems integration exhibition, with the 2024 event having taken place earlier this month.

“proAV attended the event with a full crew to walk the show, check out all suppliers, and to review current and future products and solutions on display.

We have put together this concise Show Report to provide you with some headline updates from key hardware and software manufacturers.

There were some interesting developments from manufacturers, such as intelligent (connected/AI) camera solutions, good evolution of LED and LFD displays, some interesting collaborations, and lots of focus on Smart Buildings.

It's great that all manufacturers can pour all their efforts into product and software development now that production and lead time challenges are very much a thing of the past.

Good to see more consideration from manufacturers on ESG (Environmental and Social Corporate Governance), which is a key topic that our own in-house ESG team are dedicated on driving forward.

Whilst we continuously work very closely with all global manufacturers, ISE this year presented us with an excellent opportunity to explore their 2024 roadmaps on these subjects.

If you would like to know more about any of the above or receive further detail on any of the content in this report, please do not hesitate to reach out using the adjacent contact information. One of our Business Managers will be available for a call, or a meet up over video / in-person.

We look forward to hearing from you and providing you with our full support.”

Displays

The latest technological advancements in LED and large format displays offer new and exciting ways to display high resolution content in various environments. From custom builds

to cost effective all-in-one bundles by multiple manufacturers, our team are on hand to advise what options meet your specific requirements.

2024 Inavation Award Winner - Best Digital Signage Product

Usurface USK-COB

An outdoor display panel offering 6000 nits brightness and 6500:1 contrast ratio that delivers stunning visuals for a variety of applications from stadiums, outdoor events, and commercial centers. It boasts an ultra-wide viewing angle and 7680Hz refresh rate, ensuring a more realistic and smoother visual experience with no ghosting and visible scan-lines. The USK range of panels also offer energy saving and environmentally friendly features that will allow your visuals to still wow audiences while in reduced operation modes.



Unilumin



Absen

NX1.8-N LED

An LED solution that can offer the presentation of visuals up to 8K resolution with HDR10 technology. Designed to fit any space including curves and right angles, the NX series offers a dual brightness configuration that allows customers to choose the appropriate brightness, A5C+ calibration technology to improve the uniformity of the display, and high grayscale performance at low brightness. This solution was on display at ISE in the form of an immersive race course simulator on the Absen booth.

Ameria Touchfree Touch

Create a touchfree experience for users by integrating Ameria's "Touchfree touch" to Sony's BRAVIA displays. Primarily aimed at healthcare and industrial sectors, as well as immersive experience centres, users can engage Ameria's touchfree technology with the use of IR bars installed on the two sides of the display.



AMERIA

LG Indoor LED

Featuring as part of an impressive kinetic moving LED wall at ISE, the LG indoor LED tiles offer a pixel pitch of 1.95mm with 800 nit brightness. It delivers vivid colour expression powered by HDR and can be used in 90-degree corner installation designs. They can be utilised to deliver clever immersive visuals in retail spaces, reception foyers and in auditoriums.



The Wall from Samsung

Samsung's signature MicroLED display solution that delivers extraordinary picture quality with striking contrast and lifelike colours. Deploy via modular LED panels for custom installations of all shapes and sizes or as an all-in-one display that you can simply install into a dedicated space. An excellent visual solution for a variety of environments including corporate and retail sectors.

Transparent MicroLED

Unveiled earlier this year, Samsung have announced three different transparent MicroLED displays. Two versions feature a tinted glass panel, making the screen easier to detect while obscuring potential objects of distraction behind it while the other version is as transparent as regular glass and with a frameless design. With higher brightness compared to transparent OLED panels, Samsung's displays are less impacted by ambient light so messaging and imagery is displayed clearly.



21:9 Smart Signage QPD-5K Screen

A brand new 105-inch 21:9 screen that is compatible with Cisco's Room Kit EQ for Microsoft Teams. Providing a panoramic view, the QPD-5K display offers a hyper-realistic and immersive visual experience in control rooms and classrooms, as well as in meeting rooms. It supports multiple windows to display more information and runs on Tizen OS for optimised performance of web services and industry-leading durability. It is compatible with Cisco's RoomOS-powered systems and designed to work with Microsoft Teams Front Row.

Umicro 0.7

MicroLED panels that help to display vivid and detailed 4K picture quality that supports high frame rate visuals of up to 120FPS. It provides a 30000:1 super high contrast, ultra-low reflections and ultra-high consistency with its onboard Enhance Drive Level to improve the quality of the image and effectively solve heat dissipation problems of micro-pitch LED displays.



Utile MCOB

This new HD display screen that takes Unilumin's expertise on chip on board LED panels and apply it to a cabinet package designed for cinema. The seamless build of the panels included in this kit help to deliver a super flat screen that boasts ultra-high picture consistency for wide viewing angles and a protective surface.

UTV SC

An All-in-One LED conferencing display offering cinema-grade quality imagery in either a 2K 108-inch and 135-inch model or 4K 162-inch model that also offers built-in full-range professional audio. With the ability to content share wirelessly and divide the screen into 4 views, the UTV SC Series is an energy saving and low carbon friendly solution suited for corporate and education environments.



Unilumin

Uslim S2 2.5 Double Sided

A brand new and unique commercial LED display that allows users to play different types of content with different brightness levels and pixel pitches at the same time. This makes a captivating digital signage solution for retail environments.

98-inch model coming soon!

Sony Bravia BZ40L Series

Engineered to perform flawlessly in demanding retail, corporate and educational environments, the Sony BRAVIA BZ40L Series of displays offer exceptionally bright and detailed 4K HDR imagery with unique deep black non-glare technology. Pro-friendly features simplify integration, easy operation and seamless content sharing in today's connected AV environments. And with generous customisation options, the BRAVIA BZ40L is the premium LED display that fits right in with your business needs.



SONY

Videofonika PCAP Overlay System

Create large touch-enabled interactive screens with these slim, easy-fit touchscreen overlays for Sony's Professional Displays. Reliable, accurate IR or capacitive (PCAP) touch technology ensures smooth, responsive operation with ten touch points. The overlay's tough anti-glare surface ensures optimum visibility, even in sunny environments. Sony's touch-enabled Professional Displays are ideal for a wide range of interactive signage and information kiosk applications – from schools, universities, museums, libraries, boardrooms and offices to hotel lobbies, hospitality zones, retail stores and visitor attractions.

Indoor, Outdoor, Bespoke TVs

Aquavision offers a unique custom mirror service for TV and video displays and can manufacture to individual specification. With screen sizes ranging from 16" to 100", these can be created for bespoke designs and applications, available to be mounted in any position. Using MirrorVision+ hidden tv technology, the display can appear as a perfectly standard mirror with no visible signs of a screen when the television is off but allows the television image to be clearly seen when the television is switched on. Perfect for bathrooms, living rooms, bedrooms, or anywhere a mirror and tv are required. When it comes to corporate usage, Aquavision can tailor the glass design, and print colours, patterns, and company logos on the surface.



LANG

Transparent Displays

Lang AG displayed their transparent LED display referred to as Lucy where 1x1 meter panels can enable users to build extremely wide LED walls with a max height of 2 meters. It has a pixel pitch of 3.9mm and a brightness of 3,000 nits. Unique to this product is the Active Matrix Technology which helps to contribute to flicker free and a reduction in eye fatigue for viewers. Available for different applications including posters.

Jupiter 21:9 Displays

With a native 5K HDR resolution, the Pana 21:9 displays optimises team productivity allowing for improved interaction and workplace collaboration. Jupiter’s SimpleShare software also enables one touch launch to video conference meetings or other collaborative applications including whiteboarding, presentations and content sharing.

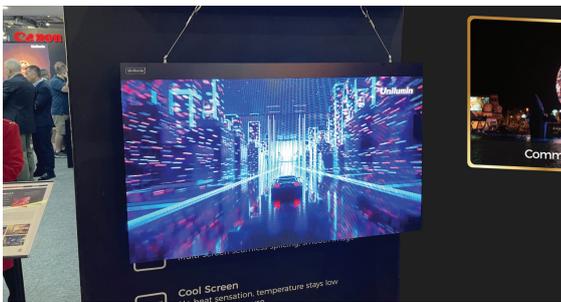


Leyard dvLED Screens

With pixel pitches ranging from 0.7 to 20mm, Leyard’s wide range of LED display solutions are great for various applications. With a seamless design, they can be adaptable to nearly any size and shape. Additional features that can be utilise include Leyard LED MultiTouch for interactive installations while Leyard ERO-LED technology is specially designed for displays tailored to high-traffic environments.

Planar LED videowall

Planar’s seamless, direct view LED display solutions are designed to showcase visuals in various environments whether it’s high-detailed content viewed up close in a boardroom or giant digital signage. With pixel pitches as small as 0.6mm, their range of videowalls can tailor to any user’s needs.



Upanel AM1.2-F

A concept product featuring not only MicroLED technology but a unique driver technology where each LED has its own driver built in which drastically reduces both power consumption and heat output of the display and reduces the requirement for a complex circuit board. As each LED has its own driver the scan rate is effectively 1 meaning no more scan lines on camera! This is potentially a glimpse of the future of LED manufacture in the same way that flip chip and MicroLED technologies changed the market.

Haivision Command 360 Video Wall Software

An intuitive video wall software platform that allows users to easily visualise content on an installed display, set user permissions and access, dynamically change sources, and establish a common operating picture to collaborate with colleagues. It can work in conjunction with Haivision’s Alpha FX Video Processors to enable monitoring of real-time video feeds and give users the power, control, and flexibility for any mission-critical applications.



Alpha FX Video Processors

Haivision Alpha FX video processors capture and deliver multiple 4K UHD video sources to the Command 360 video wall solution. In addition to physical inputs and outputs, Alpha FX offers native encoding and decoding, enabling users to display and share video wall content across their network in real-time. The power of the Alpha FX processor, along with the Command 360 ecosystem, delivers unmatched situational awareness and real-time decision-making capabilities for mission-critical environments around the world.



HAIVISION

Absenicon C Ultrawide

Offering a seamless canvas of either 21:9 or 32:9, the Absenicon C Ultrawide Screen brings a more natural and productive hybrid meeting experience. Ranging in sizes from 154 to 299 inches, these all-in-one displays are ideal for boardrooms and meetings rooms with compatibility with popular UC platforms including Microsoft Teams and Zoom. Presenting unrivalled colour and contrast along with a 600nit brightness, the content on the Absenicon C will always be visible in all conditions. Additional compatibility with Crestron and Extron control systems offers easier integration in your AV infrastructure.



absen



AVOCOR

Avocor Series X Displays

A brand new range of LED displays that combine large-format displays with a modular, easy-to-deploy design that aims to captivate audiences with impactful, high-resolution visuals. Featuring multiple functionalities including wireless screen sharing, digital signage, and multiple inputs, it reduces the need for external devices and delivers high performance. The Avocor X Series is available in either a 16:9 or 21:9 format and is a solution for environments where visual impact is key.



EPSON

Epson Image Mapping

A highlight at the Epson stand was this immersive projection on a giant umbrella that unfolded into vivid technicolour highlighting festivals around the world. It demonstrated Epson’s Image Mapping technology, using Epson comprehensive projectors, that showed visitors the possibilities of creating stunning visual environments for captivating displays within the corporate, retail and leisure sectors.

Colour Transparent LED

LG Colour Transparent LED film delivers a wide range of colours using a 24mm pixel pitch which can be applied to clear surfaces using a self-adhesive to deliver visuals. Applications can be extended to display video or imagery and offer superb expansion and flexibility by combining more films horizontally or vertically to meet sizing requirements including curved structures.



HIKVISION®

Hikvision P1.5 LED Poster HOB

An LED poster display solution that adopts a two-colour alloy technique. The thin display features a magnetic butterfly bezel design and supports seamless splicing of multiple screens. With a 1080p resolution, it features high brightness and contrast with excellent viewing angles. Content can be managed and controlled remotely via local storage, USB, or external client on mobile or PC. The HOB light board also provides protection against moisture in humid regions and prevent it from falling over in crowded places. An ideal solution for vibrant mobile poster displays in corporate or education environments.

Artome All-In-One Systems

Artome’s range of portable, all-in-one AV solutions are specially designed to complement corporate, education and hospitality environments where flexibility or portability is key. Available in 3-models, the system includes a short throw projector that displays images between 95-inches and 300-inches, loudspeakers including subwoofer, control system, and rack space for adding custom equipment, all within a portable, attractive, and sleek cabinet. An excellent solution if walls and ceilings cannot be utilised in environments.



ARTOME



INVESTMENT STRATEGY SUCCESS
SUSTAINABLE INVESTMENTS ARE ALL-TIME HIGH
REPORT: NFTS MAKE SENSE FOR THE FUTURE OF ART AND INVESTMENT

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Video Conferencing & Broadcast

Whether it's meeting rooms, huddle spaces, or on your own PC, UC/VC or web conferencing continues to be a vital part of everyday work. These spaces need to have intelligent systems that work for both in-room and remote participants. To achieve this, there has been a focus on delivering immersive and engaging experiences by utilising smart camera technology to track

presenters and feature participants; a vital element to larger corporate and event spaces. With platforms continuing to evolve and deliver more features to meet the needs of providing meeting equality and equity, using the right technology is key.

Contact the team for more information on the art of the possible.

Now Certified for Microsoft Teams

Huddly Crew

The first multi-camera system with a built-in AI director, Huddly Crew continues to evolve and redefine flexibility in hybrid spaces now offering new modes for different meeting types. Speaker mode identifies and tracks the primary speaker, ensuring the cameras remain focused on them throughout making the setting ideal for structured meetings. Alternatively, the alternative Conversation mode directs attention to all meeting participants, with the AI director including shots that showcase listener reactions making it suited for team meetings and collaboration.



SONY

Sony SRG-A40 4K PTZ Camera

This PTZ camera from Sony features revolutionary PTZ Auto Framing technology powered by built-in AI analytics that can automatically detect and track the position of a presenter within the camera frame. As the presenter moves, the camera's pan/tilt/zoom mechanism ensures that the presenter is always framed naturally, without the need for a human camera operator to manually follow their movements. It offers three modes of shooting including full-body, waist, and close-up. With quicky and easy setup, it can turn your boardroom into a presentation or training event.

Temas Digital Podium Table

The DS24T Panel Discussion Tables from Temas bring a slick and professional image to fire-side chats. Featuring a 24" front display with built-in signage display, Shure gooseneck microphone, device charging and a countdown timer, it's an excellent option to help curate a smooth professional panel discussion.



Certified for Microsoft Teams & Zoom



TeamConnect Bar

The latest additions to the TeamConnect Family, the TeamConnect Bar range are scalable, all-in-one conferencing devices that are designed to meet modern meeting demands with a built-in 4K video camera, microphones, and powerful full-range stereo speakers. They can be easily integrated with your meeting platform of choice and can be further enhanced with other compatible products.

i12 & i20 1-Beyond Cameras

Launched at ISE were the latest additions to the 1-Beyond camera range that boast built-in Visual AI framing and tracking capabilities. An onboard processing unit and built-in reference camera allow the i12 and i20 to swiftly and intelligently frame and track groups, presenters, or zones. Industry-leading Crestron Visual AI detects and tracks a speaker even when the subject is turned away or wearing a mask, and anticipates behaviours for smooth, natural camera movement. The i12 is optimised for medium to large spaces while the i20 model is suited to large and extra-large spaces.



Q-SYS VisionSuite with SeerVision

Featuring as part of an immersive tour at ISE, Q-SYS VisionSuite delivers more engaging hybrid experiences for remote learning and high-impact collaboration spaces. A variety of cameras can cover an entire meeting space and participants and use built-in Automatic Camera Preset Recall (ACPR) for auto-framing with the integrated audio system. SeerVision allows a computer based AI system to analyse the environment and track the roaming presenter.

Logitech Sight

Designed to work with the Logitech Rally Bar and Rally Bar Mini, this tabletop camera delivers the best perspective of meeting room participants in collaboration sessions. When paired with a front-of-room video bar, Sight can use intelligent framing of active speakers and nonverbal reactions simultaneously to facilitate more natural and interactive meetings.



Neat Board 50

Neat Board 50 is designed to be a portable, multifunctional collaboration device. With the ability to natively run and host Microsoft Teams and Zoom calls, the Neat Board 50 also supports Neat’s app launcher which allows both local collaboration utensils as well as being able to be pulled into the Teams and Zoom calls for remote participants to engage. Mounted on a height adjustable, acoustically treated mount, the device is fully inclusive and the included Neat Active marker provides a comfortable way to annotate.



neat.

Neat Center

The Neat Center is a companion device to Neat solutions that allows remote meeting attendees to follow the conversation more closely by clearly hearing and seeing everyone in the room, even when those in the room are far away from the main device, facing inward, or even discussing something among themselves. To achieve this, this 360 device utilises 3 cameras and a 16 microphone array that help frame participants to remote users. With a variety of mounting options including ceiling installation, Neat Center improves the capabilities of your Neat devices for enhanced context and engagement.

PressIT360 Camera

An all-in-one web conferencing system that provides a high-performance 360 device that can be easily connected to a PC with a USB-C cable with your UC platform of choice. When engaged, its four cameras and onboard microphone capture 360-degree audio and video that can be displayed to remote participants via a variety of video modes including single speaker tracking and multi-view. It’s an option for those wanting simple video conferencing equipment without the need for additional solutions.



Panasonic

Videobar 70



 **CRESTRON**

An all-in-one collaboration bar designed for medium and large rooms. Videobar 70 is a single, easily deployable device packed with everything required to create premium hybrid experiences. Intelligent video capabilities from four high-resolution cameras can provide group framing, speaker tracking and picture-in-picture video modes. Onboard stereo speakers can fill the room with sound while 24 beamforming microphones pick up every word spoken clearly. The Videobar 70 has Android OS and an easy plug and play install.

Owl Bar & Meeting Owl 3

An all-in-one conferencing bar that offers a front-of-room 4K video camera, 4 beamforming microphones and a speaker to ensure remote participants can see and hear everyone clearly. AI-powered speaker recognition and tracking makes sure everything is captured with Speaker Framing capabilities.

Compatible with web-based video conferencing platforms including Microsoft Teams, Zoom, Google Meet and more. Partner up with the Meeting Owl 3 to add a secondary 360 camera to your video presentation.



OWL LABS



 **LG**

Stretch Signage 21:9 Widescreen Display

A 105-inch sized LED display that is optimised for business environments and caters to the 21:9 demands of Microsoft Teams Front Row to deliver an immersive viewing experience. With 5K resolution, it offers a high pixel density to ensure that every detail of the display screen is presented accurately and vividly. The unique LG CreateBoard Share allows users to wireless screenshare content with the ability to show up to 9 shared screens in real-time. For the energy conscious, the display has a proximity sensor that will engage a standby mode if it doesn't sense any human activity nearby. A high-quality solution that is perfectly aimed for corporate environments.

Now Certified for Zoom Rooms

Parlé conferencing bars

Biamp’s range of all-in-one video and audio conferencing bars are now certified for Zoom Rooms. Combined with Biamp’s extraordinary 4K video and audio conferencing technology, they are excellent solutions to consider in small-to-medium sized Zoom Rooms. The Parlé range includes built-in Beamtracking™ microphones to actively track and intelligently mix conversations from around the room; smart loudspeakers for superior speech reproduction; and advanced signal processing with integrated echo cancellation and AI noise reduction—all within one plug-and-play package. The Parlé VBC 2500 and VBC 2500A also include a 4K camera with auto-framing to identify meeting participants and keep them in focus.



biamp.

MAX Connect

An easy-to-use content sharing and collaboration solution that turns spaces into BYOM rooms. Users can share and interact with content from their devices, control room AV equipment, and join UC meetings using their platform of choice including Microsoft Teams and Zoom. MAX Connect provides unprecedented control over collaboration experiences that can contribute to more productive meetings and enhanced engagement.

PanaCast 50 & PanaCast 50 VBS

The PanaCast 50 and PanaCast 50 VBS offers an upgrade to the hybrid meeting experience to help make sure every participant can be seen and heard clearly. The video bar is equipped with three 13-megapixel cameras mounted into a multi-camera array to cover every part of the room. Jabra’s patented real-time video stitching technology brings the images from all three cameras into a smooth seamless 180° view in high-definition panoramic-4K. Its onboard Virtual Director intuitively follows discussions and instantly adjusts the view in real time to track and focus on active speakers. The AI supported Dynamic Composition and Intelligent Zoom enhancements help to deliver close-ups of speaking participants to build a natural, inclusive experience for all. Accompanied by a 2-way audio system featuring 8 beamforming microphones and 4 speakers, Jabra’s precision voice detection and full duplex technology helps to automatically identify and remove residual echo and static noise to help keep conversations loud and clear.



Jabra GN

Best in Show Award Winners

DTEN Vue Pro

Designed as an enhancement to the DTEN D7X, this innovative pair of side display cameras are designed to help create more natural video meetings. Unlike traditional PTZ cameras, the DTEN Vue Pro operates multiple lenses simultaneously to capture every participant clearly and in crisp detail. The 4K camera lenses uses smart framing AI to identify and dynamically frame participants regardless of distance from the front of the system.



DTEN Bar



A brand-new optimised video bar solution for smaller meeting spaces certified for Zoom. Packaged with the DTEN Mate control touchpad, the video bar can be deployed either horizontally or vertically in meeting rooms with both positions still offering high quality 4K video and audio. Users can easily share content with the use of a USB-C cable and take advantage of AI support video and audio enhancements to ensure everyone can be clearly seen and heard.



DTEN D7X



AI-powered all-in-one meeting room solution available in Windows and Android editions. AI-assisted audio optimisation suppresses distracting sounds so you can focus on the meeting. Its speakers and 15-mic array ensure softer voices are picked up while the AI-assisted 4K camera delivers an extra wide 129-degree field of view to capture participants. BYOD functionality with a single USB-C charging cable allows users to join Zoom, Microsoft Teams or virtually any video meeting platform. Certified for both Zoom Rooms and Microsoft Teams.

DTEN D7X Dual 75"

A complete solution that delivers more immersive video meetings. A pair of 75-inch 4K displays work in tandem with one screen dedicated for remote participants while the other is optimised for shared content and annotation. The 5-camera design, with two cameras each side and one in between the displays can identify, optimise and partition individual video frames for people in the room with DTEN Smart Framing technology. The 15-microphone array and integrated stereo speakers ensure that everyone can also be heard clearly during collaborations. Certified for Zoom.



Cisco Room Kit EQX

An intelligent, integrated collaboration device solution combining an AI-infused video conferencing system that delivers a best-in-class experience in your medium-to-large meeting rooms and collaboration spaces. The Cisco Room Kit EQX is an all-in-one, purpose-built kit of room conferencing components that gives the flexibility to integrate your own external displays. The Room Kit EQX also helps simplify meeting room video deployment, configuration and management at scale while keeping your room setup clutter-free with a premium look and feel. This bundle brings users unrivalled multi- platform collaboration on Cisco RoomOS or Microsoft Teams Rooms to let you define your preferred native software experience to create the ultimate hybrid meeting room standard across your workspaces.



Cynap Videobar

A wireless presentation, web conferencing, and collaboration system designed for small and medium-sized meeting rooms. It features a 4K AI camera with auto framing technology, a beamforming microphone array utilising WolfVision’s Advance Processing Engine and two 70W loudspeakers by Fohhn. The Cynap Videobar is a single, high-performance, all-in-one, multi-functional AV system.

MVC S90

Designed for extra-large rooms, the MVC S90 Microsoft Teams Rooms system is a complete package featuring the UVC86 intelligent multi-camera system, a MCore Pro mini-PC, MTouch Plus touch panel, AVHub, BYOD-Extender, RoomSensor, and WPP30 4K wireless presentation pod. Combined together, they deliver a fully immersive meeting experience that caters to both remote and on-site participants. Unnecessary camera tracking processes are eliminated by its fast and accurate Multi-Camera IntelliFrame feature to help communication flow naturally and effortlessly by picking the best shot for each participant and use the built in beamforming microphones to frame the shot based on the audio location.



ClickShare Bar Pro

A brand new premium, carbon-neutral video bar that enables effortless wireless conferencing in medium-sized meeting rooms with any videoconferencing platform. This all-in-one solution guarantees meeting equity with its advanced AV and interactive capabilities while bringing flexibility, simplified installation and a reduced Total Cost of Ownership to IT Managers.



Flex Pods

Crestron Flex Pods offer scalable wireless audio that has the flexibility to adapt to different meeting types so everyone can hear and be heard clearly. Numerous modular units can be paired and placed to cover any space with 360-degree audio coverage. Connect a Crestron Flex Pods Hub to native Microsoft Teams or Zoom Rooms via USB and they're ready to go for your meeting. Alternatively, you can deploy Flex Pods as an excellent addition to your own BYOD meeting spaces. The devices can transmit audio via a highly secure DECT wireless transmission which prevents interference from Wi-Fi or Bluetooth signals.



Microsoft & Samsung Partnership

Cisco presented a new meeting room solution working with Microsoft and Samsung that provide integrated video collaboration solutions featuring Microsoft Teams Front Row and Samsung's Smart Signage display. The collaboration delivers a new standard for fully scalable, manageable and secure solutions for meeting spaces. Users benefit from Samsung's highly detailed, immersive displays along with the advanced camera, audio and speech intelligence capabilities on Cisco Room Kit EQX devices and in Microsoft Teams rooms.

Epiphan Video Capture & Broadcast

Launched at ISE 2024, the Pearl Nexus is a rackmount solution designed for events and higher education video capture. Seamlessly working with your existing AV infrastructure, it can deliver a superior automated video capture experience at scale. Pearl Nexus records and streams up to 3 channels of 1080p video with a suite of creative controls and cloud management tools. It has SDI, HDMI, USB, SRT, and NDI video inputs and professional XLR, USB, and 3.5 mm audio inputs. The built-in 1 TB SSD drive, CMS integrations, and automated file management ensure all content gets safely recorded and delivered exactly where it needs to go.



Switching and Distribution

Networked video (VoIP) has become the go to for video distribution, providing the ultimate flexibility with a truly scalable distribution platform, with some encoders and decoders

capable of up to 4K60 4:4:4, USB, Dante and AES6. Below are some of our recommend solutions. Contact the team for more information.

AVoIP

Taurus TPN

Lightware's Taurus TPN is a groundbreaking media-over-IP solution tailored for medium to large conference rooms, redefining the landscape with its reliability, technical sophistication, and user-centric features. The Taurus UCX-TPN and HDMI-TPN devices, both leveraging SDVoE technology, form the core of the solution, allowing for the creation of adaptable media-over-IP matrices. Taurus TPN's unique seamless management of HDMI 2.0 signals supports up to 4K60 4:4:4 video resolution and its provision of full bandwidth USB 2.0 for high-quality data transmission across 10G Ethernet networks.



Gemini GVN

The Gemini GVN is a new 1G AVoIP solution that is capable of transmitting 4K60 4:4:4 image quality. With end points that support HDMI ingestion with HDMI looped output, audio breakout and RS232 control, Gemini will allow for rapid project deployments with seamless switching a sub frame latency.

Taurus UCX-4x3-HCM40

A brand-new switch model to the Taurus UCX range, the HCM40 seamlessly extends your BYOD device's display to two screens simultaneously, eliminating the hassle of managing multiple cables. This will enable better utilising of the screen real estate when meeting room features such as video conferencing are not necessarily required in collaborative sessions. It offers USB-C charging up to 100w and supports HDMI 4K60 signals at 4:4:4.



ATEN VE66DTH

The VE66DTH is a 6 x 6 Analogue to Dante interface which also supports HDMI de-embedding and HDMI passthrough. Providing phantom power in the inputs these solutions are great for presentation lecterns where a requirement to pull audio into the Dante ecosystem from analogue inputs, presentation content and lectern microphones is required alongside providing analogue outputs for local amplifiers, lectern speakers and lecture capture hardware. Operates with 10G Ethernet networks.



IP350UHD-TX



The IP350UHD-TX is an industry leading Dante enabled 4K HDCP 2.2 HDMI transmitter that, using visually lossless compression technology, delivers 18Gbps HDMI, Dante & AES67 audio, bi-directional IR, RS-232 & USB/KVM up to lengths of 100m over standard copper network architecture, or greater distances using the in-built fibre SFP network interface. It can support both video and Dante audio distribution from a single network while a second RJ45 connection allows for the Dante audio network interface to be segregated from the video over IP network if required.

IP500UHD-TZ

The Blustream IP500UHD Transceiver is a SDVoE AV over IP solution that provides the highest-quality, uncompromised 18Gbps 4K with zero latency Audio/Video extension over copper or optical fibre 10Gb Managed Networks. It includes support for HDMI 2.0 including distribution of HDR (High Dynamic Range), 10-bit colour content, and multi-channel HD audio signals and provides advanced features including PoE+ and transmission of multiple control and data signals alongside audio and video, including IR, RS-232, USB (KVM) and 1Gb Ethernet. The IP500UHD-TZ is ideal for mission-critical 18Gbps HDMI installations where multiple transceivers can be combined with one or more 10GbE copper / fibre switches to form a distributed video matrix, multi-viewer, or video wall system.



IP Control Box

ATEN PE4104G

The PE4104G provides PDU with switched outlet control over IP. A problem solver for those remote locations at high-level with projectors coupled with projector screens and lifts or with high level display monitors where getting access to manually power cycle the device would provide to be time consuming and costly. Enabling control via TCP/IP it also allows and power on sequencing, there is also the ability to add an external temperature sensor to allow for automated shutdown in the event of temperatures exceeding the manufacturers maximum recommended operating temperatures.



Black Nova Crestnet Native Keypads

Specially made keypads and touch panels that can integrate with Crestron Connected devices with seamless interoperability with Crestron smart home and luxury hotel systems.

Audio

Audio presents one of the more intricate challenges in audiovisual design. Often, audio must overcome both architectural and environmental obstacles. How frequently do we need to address the integration of speakers or microphones into specific ceiling types or customized environments?

Additionally, how often must we confront difficult acoustics, such as those in rooms with glass walls or spaces designed for versatile use cases?

Thankfully, the market has a diverse array of products available to manage the entire audio signal path, including microphones, sound processors, and speakers.

The following is a brief overview, but please don't hesitate to contact us for more comprehensive information on products and solutions.

New Model



Catchbox Plus System

Catchbox premiered the latest expansion to their audio solutions with an updated version of their Catchbox Plus system which will now offer 4 microphone channels. The 4-channel system is designed for crisp whole-room audio capture for voice lift, hybrid conferencing and recordings as well as captioning in universities, corporate meetings, and events. With 3rd party integrations including Utology and Q-Sys, it delivers noise-free speech while the built-in Dante™ audio over IP functionality, PoE and remote monitoring capabilities enable seamless integration into networked AV infrastructures. Complimenting the new version, Catchbox will also offer its new Stick handheld microphone alongside an improved Cube throwable mic and Clip wearable mic.

Focus Slim

A range of four super-slim loudspeakers featuring Fohhn's beam Steering Technology offer exceptionally clear, powerful and full-range sound. These are economically priced making them attractive for smaller and more price-sensitive projects. Equipped with Dante and analog inputs and features an integrated bass reflex system.



Integrato IGS-4

Fohhn's IGS-4 is a super-flat, surface mount subwoofer unit designed for installation on the ceiling or wall. It has an impressive frequency response and allows for more creative positioning within a room.



Voltera D

A new range of networked amplified loudspeaker controllers that include onboard digital signal processors, tools for tuning rooms, and more offering varying channel outputs coupled with native Dante and AVB support. Available in 1200w and 2400w configurations across four or eight channels. Easy to use and config either with Biamp's Tesira products or the new VenueTune software. It features redundant network audio, support of failover between mains power and backup generators without a reboot, and group-controlled raised cosine EQ which makes it an attractive option for large systems.



biamp.



MXW neXt 2

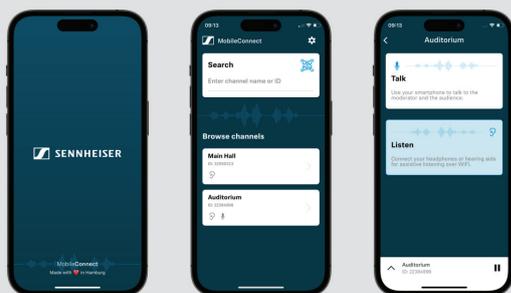
A new wireless microphone system that can be an all-in-one audio solution for hybrid classrooms, training rooms, and lecture halls that provides superior audio for conferencing and presentations at the same time. Despite its comprehensive feature set, the MXW neXt system is easy to set up in minutes. It's compatible with 3rd-party room control systems and features Dante Networked Audio.

MXA920 - Integrated Conferencing Ceiling Array

The first integrated ceiling array microphone and loudspeaker for AV conferencing in small to medium spaces. It includes an advanced array microphone and a wide-dispersion loudspeaker for natural sounding speech capture and reproduction. Single Zone Automatic Coverage™ technology captures audio from a 20 by 20 foot (6 by 6 meter) area while onboard IntelliMix® DSP delivers echo- and noise-free audio.



SHURE



SENNHEISER

MobileConnect

The MobileConnect system allows users to enjoy assistive and personal listening over an existing Wi-Fi network by turning their smartphone into an audio stream receiver. Access via a scannable QR code or pin, select the preferred stream, and enjoy high quality audio via Unicast audio streams with latency as low as 25ms. The experience can also be customised to allow users to speak back which can be an excellent feature for those running seminars or webinars and require audience engagement.



TeamConnect Ceiling Medium

Featuring coverage up to 40m², this ceiling speaker is designed for mid-sized meeting rooms, lecture or collaboration spaces. It is a compacter version of the established TeamConnect Ceiling microphone but still features the trusted Sennheiser audio quality, offering efficient setup, brand agnostic integration, simple management and control.

TeamConnect Ceiling 2

Whether for conferencing, presentation or collaboration with remote participants, TeamConnect Ceiling 2 is designed to automatically adapt to every imaginable use case and is the perfect fit for every mid to large-sized meeting room. Sennheiser perfected the ceiling microphone TeamConnect Ceiling to give you an unprecedented meeting experience. The result is TeamConnect Ceiling 2 with patented beamforming technology and more outstanding features. Experience excellent Sennheiser audio quality and use the entire meeting room in a way that suits your personal meeting culture whether participants can move freely, sit at the table or give presentations in the designated space.



TeamConnect Intelligent Speaker

Developed in partnership with Microsoft and certified for Microsoft Teams Rooms, Sennheiser's first ever 100% UC product is the ultimate audio solution optimised for mid-sized Microsoft Teams Rooms for up to 10 people. Designed specifically to give teams a whole new way to collaborate in hybrid meetings: smart, focused, inclusive and as if everyone is in one place. Intelligent solutions such as the integrated Cortana voice recognition software make operation on the product itself obsolete. Automatic meeting notes make an inclusive meeting experience possible for remote and hard-of-hearing participants.

EW-DX

Sennheiser's most innovative and versatile digital wireless microphone system is designed for the corporate and education environment. Utilising refined technologies and decades of expertise, the EW-DX is a digital UHF system that can be scaled with ease. Multiple hardware and software options create networkable audio solutions for nearly any stage or campus, while equidistant channel spacing, auto scan, and Bluetooth Low Energy sync automatically coordinate and set frequencies with just the push of a button. With tools including Sennheiser Control Cockpit, Wireless Systems manager, and the Smart Assist app, you can monitor your devices from a distance too.



 **SENNHEISER**

Bluetooth Wall Plate

Featuring bi-directional Bluetooth audio, the interface allows you to transmit two channels of Bluetooth audio onto the Dante network, and simultaneously receive one Dante channel. The pairing is as simple as pressing a button on the front panel. Additional inputs and outputs are available via unbalanced RCA and TRS mini-jack connectors on the front panel. Audio routing and control is maintained via Dante Controller and Domain Manager with a web UI handling the configuration of the device itself, with an open API for third-party control. Ideal for simple BYOD environments or the panel can be used for call bridging features for conference calls utilising the existing audio equipment in the room.



Rail S Series

A brand-new addition to the Rail series that offers an electrified track with integrated audio with K-Array technology, combining professional audio with light. Experience professional audio excellence powered by K-array Audio Technology with a miniaturized point source loudspeaker that defies its discreet dimensions. It boasts a wide coverage of 140° x 140°, a frequency response from 500 Hz to 18 kHz, and a peak SPL of 86 dB, it delivers uncompromised audio performance and a distinctive audio characteristic. It is a high-quality audio solution that can be deployed in a variety of corporate, retail, public sector and leisure environments.

PowerZone Connect 508

A 500w DSP-enabled Class-D amplifier offering 8 channels with a 1RU form factor. It provides full-matrix DSP configuration via its own web app and provides flexible power sharing across output channels as well as a configurable GPIO. Dante capable.



BLAZE

PowerZone Connect 1008

A 1000w DSP-enabled Class-D amplifier offering 8 channels with a 1RU form factor. It provides full-matrix DSP configuration via its own web app and provides flexible power sharing across output channels as well as a configurable GPIO. Dante capable.

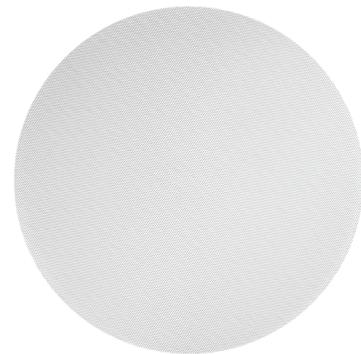
Soundweb OMNI Range



BSS offer improved audio DSPs with a new bleeding edge processor. Two base units for centralised DSPs in the Omni 256P and Omni 512P are complimented by localised Analogue and AES3 expanders with the Omni 32E and Omni 16E. The central processors support Dante/AES67 with the new AMX scripting engine for control and automation, the OMNI range also supports AEC, VOIP, Media Playback. The most unique feature though is that the OMNI range supports 96KHz processing whereas most of the industry standard hardware sits at 48KHz processing meaning a higher quality of audio output can be achieved.

Smart IP Active In-Ceiling Speaker

A discreet in-ceiling two-way loudspeaker solution that provides exceptional long-term value for premium AV installations. Utilising Genelec’s scalable Open IP networking technology platform, Smart IP, it can derive power, audio and management all via a single standard CAT cable. This offers detailed loudspeaker configuration, supervision and calibration on an individual, room, zone and system level - without sacrificing the performance. The 4435A can be freely networked with other Smart IP models to play back Dante and AES67 streams.



TORUS Speakers



Designed for short and medium-throw applications, the TORUS range of speakers offer a hybrid approach between line array and point-source solutions to deliver sound to specified area combining optimised coverage and SPL profile. Tailored for professional sound reinforcement and fixed installations, TORUS cabinets can be arrayed vertically or horizontally which offers a full configuration flexibility to match the coverage and SPL requirements of the space. Martin Audio has also optimised the speaker range to help overcome issues associated with typical constant curvatures to help achieve new levels of performance and refinement. or other collaborative applications including whiteboarding, presentations and content sharing.

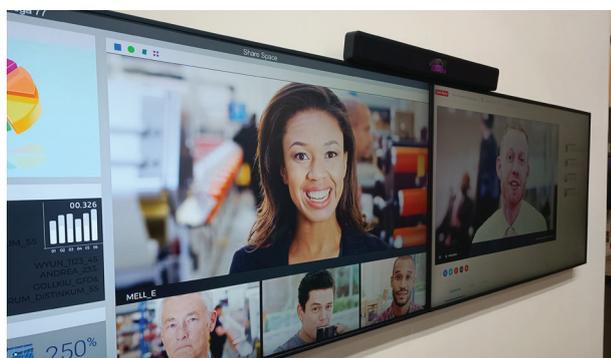
Mounting

In today's modern workplace, the effectiveness of displays solutions in meeting rooms can hinge greatly on their installation. Proper mounting not only ensures optimal viewing angles and reduced glare but also contributes to maintain the workspace aesthetic which

helps creativity and focus. As modern businesses rely on digital displays for information dissemination and engagement, as well as video conferencing, it is key to ensure the right mounting solution is used.

STS-650

A display wall mount with adjustable return on its seated position which allows for shallow or deep depth kit to be mounted behind it without impeding the return on the mount. It can save installers using spaces to accommodate deeper kit installs. Quick release tabs allow for ease of access to the kit mounted behind it and the mount supports a wide range of panels including interactives up to 90KG.



ACC-SB2

Evolution of Peerless's original soundbar mount that is specifically designed for larger displays up to 85" or dual screen configurations up to 75". The mount is fully adjustable, so you can minimise the gap between the display and the soundbar for a clean finish.

SR898-EUK

A stylish mobile trolley for medium to extra-large displays. An integrated IEC cable runs to allow for power distribution unit to be utilised and hidden within the trolley. A modesty panel at the rear allows secure housing to prevent accessories being tampered with and provide the trolley with a more aesthetically pleasing finish.



Smart Building, Monitoring & Analytics

With an increasing demand for a connected environment, with a growing appetite for booking systems, tracking software, analytics, and more, maybe businesses are considering how to create a smart hybrid workplace.

Add to this the opportunities to remotely manage your global technology estate through a single platform, this creates great opportunity for longevity, efficiency, and improved user experience.

Below are some options, but our team are on hand to run through all options with you.

Humly Room Display

The Humly Room Display is a stylish and simplistic room booking solution but its real beauty lies beneath the surface. A native integration with Microsoft 365 and Exchange allows the user and visitor journey to seamlessly function with existing tools such as Outlook and even Teams where an interactive floor map can be shown to allow for ad hoc booking of rooms once your guest has arrived. Featuring an open API for integration with other visitor/space management solutions, Humly also has pre-defined integration with Google Workspace, Nexodus and Appspace.



Humly Booking Device

Adaptable to meet the changing requirements of the hybrid workplace, the Humly Booking Device is designed to be used for desk booking, booth, huddle rooms, and even car parking spaces. The combination of its compact design and high-resolution screen makes it extremely versatile. Supporting Wi-Fi and Ethernet, the Booking Device also supports NCF/RFID and was awarded the with a German Design Award in 2024.

proActiV®



At proAV, we have lived and breathed the entire lifecycle of product evolution, product supply, installation, maintenance, support and aftercare. This experience has allowed us to truly understand technology, how it is used, its ecosystem and the needs of our clients. By not affiliating to any specific brand or product we are able to deploy 'best-in-class' based on the requirements of the application. In order to ensure we can support deployments in the most effective way, efficiency and data is key.

This is why we developed proActiV – an agnostic, data driven, 'single pane of glass' that aggregates all of your technology monitoring into one place. It has knowledge of issues even before the user has discovered them. proActiV's limitless API integration means it can automate the decision making process based upon

metrics to take facilities out of service. It's powerful BI engine can drive business decisions based upon real-time data.

Our ever evolving development lifecycle means that we are continually bringing new features to truly encapsulate the term 'Smart Building'. Imagine if you could identify how many people were in a meeting room, not just that it is occupied to adjust the temperature based on this data? Use this data to understand whether you are deploying meeting rooms that are too big or too small?

The scope of a Smart Building is endless, the limits come down to imagination, creativity and experience. To find out more speak to one of our team.

proAV®

Evoko Kleeo Desk Manager

A great desk booking device solution for any office using flexible seating and hot desks. The Evoko Kleeo offers the ability to book on the device itself. It includes a unique “do not disturb” mode, called Focus, which helps others know that you need time to focus on your work. Compatible with RFID and powered via USB meaning less LAN drops near the desk, the Kleeo connects to the corporate network via Wi-Fi for status and software updates.



Evoko Liso Room Booking

A self-hosted room management solution that streamlines the process of booking meeting spaces. Placed outside any meeting room, it shows clearly who has booked the room and for how long. It features a proximity sensor that will provide more detailed information about the room booking as users approach the screen. Integrates with Microsoft Office 365 / Exchange, Google Workspace and IBM Lotus Domino. Alternatively, users can implement the Evoko Booking software.

Evoko Desk Booking Software

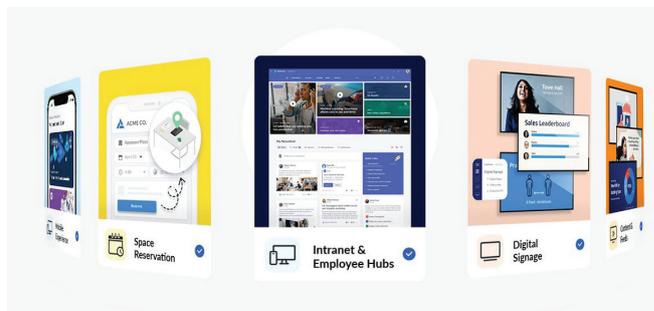
Evoko’s dedicated workplace app makes it easy to book a desk, room, or any workspace anytime, anywhere. Designed to accommodate the Evoko ecosystem of products, you can create interactive floor plans, remote QR-codes for checking-in and making bookings.



biamp. + evoko™

Appspace Portfolio

Offering a workplace experience catered to a full organisation, Appspace provides users with a suite of tools to help engage with the workforce. It offers the ability to improve workplace communication through building intranet pages, internal digital signage and content. It offers workplace management with space reservations for meeting rooms and hot desks along with visitor management and wayfinding. At ISE 2024, Appspace introduced Insights AI, Generative AI, and Conversational AI to offer greater support in creating and providing workplace communication.

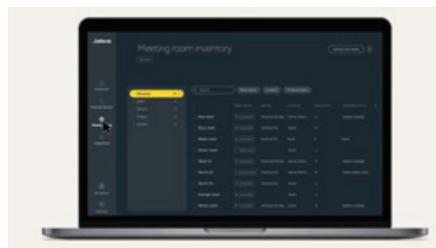


Kramer Pantarhei

Launched at ISE, Pantarhei is a single, centralised, cloud-based platform designed to reform the audio-visual ecosystem experience with a unified platform that is adept at managing not only all Kramer installations but also seamlessly integrates with third-party devices. It offers an unprecedented suite of services for system integrators, IT/AV managers, and end-users who can engage with the platform to handle setup, management, monitoring, analytics and more in their audio-visual environments.

Jabra+ for Admins

Jabra+ for Admins is a cloud-based API-first software platform for the remote monitoring and management of meeting rooms and devices. It allows users to monitor and manage all Jabra devices installed in meeting rooms with visibility and control over settings, firmware updates and insights from one unified software platform.



proAV on Smart Buildings



Alex Williams
Senior Project Manager

“Our Team of specialists attended the show with specific focus on seeing progress and activity within the marketplace around Smart, AI and IoT.

- > Increase in drive & capability for data to be made available from IoT devices, creating far more possibilities to Building Managers/ Tenants*
- > Customer focused design from the outset: Shift from internal focus to one prioritising customer needs and expectations*
- > Evolution of Smart Building to become more standards based, incorporating the need for longer product lifecycles and ever-changing needs of clients. This addresses risks, costs, achievability and industry learning curve for wider Smart Building adoption*
- > Market now has real-world statistics showing actual ROI, but this varies depending on stakeholder group*
- > Smarter buildings attract and retains the best talent, offering more comfortable, efficient and personalised workspaces*
- > Regulatory/ Advisory bodies now exist to aid in the design and consultation process for all stakeholders, from investors, to building managers, to tenants*
- > Smart Buildings will require regular analysis/ reviews in order to ensure that the Smart element of the building is being used and evolving as the businesses adopt better, greener practices. WiredScore is now widely used to ensure best-in-class practices and awards buildings accordingly*
- > More recent focus on retrofitting existing buildings with smart technology. Greater options available for tenants/ building managers to ensure alignment to modern ESG aspirations*
- > More Smart Building network topologies such as building-first or cloud-first to suit the individual building/ business needs, all of which can be leveraged for custom smart solutions*
- > Artificial Intelligence (AI) can now deliver cost-effective efficiencies and competitive differentiation, with Large Language Models offering new opportunities through collaboration, initiatives and learning*
- > Black-box AI models, when integrated with Smart Buildings, require vast amounts of data, but can aid in reducing negative outputs of buildings, such as CO2 omissions, as businesses drive towards being greener ”*

proAV Supply Chain Partners





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