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No.144. / JUNE 2023

Robe Lights Bjork's Immersive Cornucopia At Perth Festival

YES TECH MG7S Cube, Minano II Series

Robe FOOTSIE1, FOOTSIE2, iPAINTE

Absen COB Manufacturing Center

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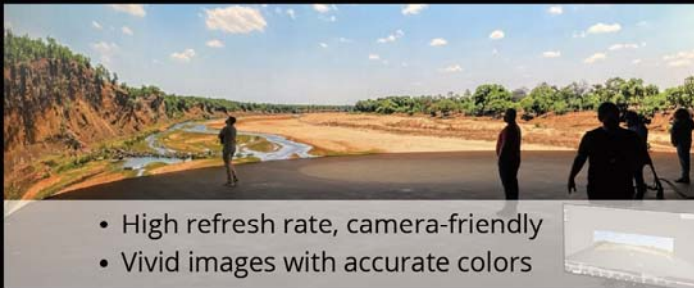
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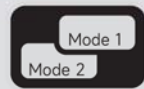
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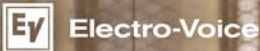
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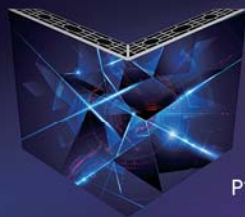
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HIBINO and SC Alliance equip Billboard Live's new Yokohama location with JBL Professional and Martin Professional

To provide Billboard Live's latest venue in Yokohama with a world-class live setup suitable for a wide range of performances, HIBINO and SC Alliance collaborated with HARMAN Professional Solutions to select and implement a range of JBL Professional audio and Martin professional lighting solutions.

In addition to venues in Tokyo and Osaka, Billboard Live recently launched a third location in the up-and-coming Kitanaka area of Yokohama. The venue boasts a gigantic floorspace of approximately 1,000 square meters and a 300-seat capacity. Along with hosting internationally renowned performers and local artists, the venue also provides an unrivaled culinary experience thanks to a carefully curated menu by Japan's finest chefs. To elevate the overall guest experience with state-of-the-art live sound as well as immersive and impactful lighting, the HIBINO and SC Alliance installation team deployed JBL VTX and VRX Series speakers and Martin ERA Series lights.

For the audio component, the team installed the JBL VTX A8 and B18 high-performance speakers. Equipped with proprietary JBL woofers, custom-

designed high-frequency transducers and advanced waveguide technology, the VTX A8 is a compact-yet-powerful line array capable of high, distortion-free output and consistently wide horizontal coverage of up to 110 degrees. When used in conjunction with the VTX B18 subwoofer, which applies the same features and technology as the A8 for reinforced low end, the combined system produces improved linearity, wider dynamic range and an impactful sound that reaches far-away audiences without overwhelming those close to the stage. In addition to the VTX speakers, the rig also includes JBL VRX928LA two-way line array loudspeakers for the center and balcony fills. Featuring a Constant Curvature Array design and a Dual Angle pole socket, the JBL VRX928LA offers precise aiming and reliable coverage so that every audience



MAC Aura XB



VTX A8



member can experience optimal live sound. Finally, JBL VTX M20 monitor speakers offer the onstage performers the same high-quality sound and technology as the audience-facing rig. “We needed a system that could simultaneously deliver a broad range of genres including jazz, pop, rock and hip hop,” said Kosuke Takahashi, Touring Division at Tokyo Sanko. “We are impressed with how HARMAN Professional Solutions was able to deliver on that request. We have received great compliments from top artists who performed at our venue.”

Along with sound, lighting effects are also critical for any live performance venue that wants to provide guests with a memorable experience. With this point in mind, the installation team selected Martin ERA 600 Performance fixtures and MAC Aura XB wash lights as the venue’s main lighting system. The Martin ERA 600 sports a highly efficient 550W white LED engine that produces bright and sharp image projection up to 6,500K, while MAC Aura XB specializes in color blends thanks to its superior color mixing system and optimized lens design. The resulting lighting rig ensures saturated washes, vibrant effects, striking beams and more.

“We chose Martin lighting fixtures as it is a renowned brand with a comprehensive range of effects, versatile LED profile and limitless design possibilities,” said Keita O-Kado, Booking Manager, Planning and Production Group, Billboard Division at Hashin Contents Link Corporation.

“Billboard Live is a premium live entertainment venue, and we are honored to bring its performances to life with stellar sound and lighting via our suite of world-class products” said Amar Subash, VP & GM, HARMAN Professional Solutions of APAC. “We would like to thank Hibino, SC Alliance and Rewire for entrusting us and we look forward to future collaborations.”

www.pro.harman.com

www.martin.com



Ayrton lights up Lighthouse Evangelism in Singapore

The 45-year old Lighthouse Evangelism in Singapore has undergone a major refurbishment of its two halls which, set over two campuses at Woodlands and Tampines, have a combined capacity of 3,500 people.

A complete revamp of the entire church stage, LED wall and lighting design was called for, with the latter being undertaken by well-known lighting designer, Michael Chan of Lighting Insomnia, for which he chose 14 laser-sourced Ayrton Cobra, 8 Ayrton Khamsin TC profiles and 9 Ayrton Zonda 9 Wash fixtures. These were supplied by Total Solution Marketing and installed by systems integrator Soundsmith Solutions.

“I am always happy to work with a good lighting manufacturer,” says Mr Chan who explains why he chose to work with Ayrton fixtures to enhance the weekly services of praise and worship.

“The design concept needed to fulfil a few objectives: firstly, we needed a

brighter and more versatile face light system to replace the four existing moving lights front-of-house; secondly, we wanted to update and improve the effects lighting with more beam fixtures and a very bright backwash that could also do pixel effects. This would give the weekly operators more options to play, design and program with. Lastly, we wanted to ensure the live broadcast and streaming looked good, which meant we needed to make sure the new lighting fixtures had both high CRI and TLCI.

“We wanted to avoid metal halide fixtures for ease of maintenance, but needed fixtures with a high lumen output that could stand their ground against the 20m x 5m LED wall in the centre of the back wall. So, whether they were effects, wash or face lights, they needed to be able to compete with the brightness of the giant LED wall.”

Of particular concern to Mr Chan was the appearance of the side wings: “These are very often just black drapes,

which do not form an aesthetically pleasing backdrop in the camera side shots so we needed something to break that monotone.”

Mr Chan was careful to keep an open mind when choosing the correct fixtures for the church environment and a shoot-out between three manufacturers was organised giving everyone a fair chance to showcase their products, not just to Mr Chan, but to the church AVL team as well.

“To be frank, when we started the process, I only had Khamsin down as a reference for the type of face light fixture I wanted,” he says, “but the Khamsin TC stood out among the competition due to its brightness and high RF, on top of all its other great features. It can be used not just as a simple face light wash, but also to spotlight a banner, person or set piece, and for ballyhoo effects and more, from the audience to the stage. And Cobra is the same. The Cobra literally drew a ‘wow’ from the church team



creativity, these fixtures are able to fulfil multiple roles and functions. They are very versatile.”

The Khamsin TC fixtures are installed on the FOH lighting truss and primarily used for face lights and audience gobo break ups. The Zonda 9 Washes are hung entirely on the lighting rig above the stage and used for back washes, highlights and pixel effects.

Nine of the Cobra are hung in between the LED panels above the stage, and the remaining five are on the floor. These are used for mid-air effects, gobo effects and to add real depth and visual interest to camera shots. “Cobra is one of our favourite Ayrton fixtures. Its prism façade is excellent and the beam produced is sharp and well-focused,” comments Kevin Yap, Technical Manager at Lighthouse Evangelism. “Khamsin’s CRI is excellent, it produces great skin tones on video and is very camera-friendly, and the Zonda 9 Wash provides excellent coverage and colours.”

Mr Yap also reports that the team is very happy with Mr Chan’s choice of Ayrton fixtures and the service it received from Total Solution and Soundsmith Solutions. “The technical staff at Total Solution have always been very helpful and obliging. They are

always willing to show us any product we ask for, even if it means going through the trouble of setting it up from scratch. Tevin and Glenn have also been wonderful in supporting us. It is always a pleasure to see them at shoot outs and trade shows!

“The Soundsmith Solutions team has also been a great support throughout our project. From the design stage, right up to selecting the best suitable products, the team has been professional and brand neutral. This helped in keeping us well informed about what we were choosing from and making the best possible decisions for the organisation.”

Mr Chan has lit and consulted for many other churches in the region including the main auditorium lighting for the Heart of God Church and the lighting for the Chinese Church Hall at BBTC. Other installations include the PSA Innovation Centre at the PSA Horizon building, “Through the Lens of Time”, a permanent exhibition at the Singapore Discovery Centre and the Time Capsule attraction at the Singapore Flyer.

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Photos © Lighthouse Evangelism



Zonda 9 Wash

when we first turned it on. The texture and sharpness of the beam is something I think you have to see in person to fully appreciate. There’s something about the way the light beam cuts through the air that makes it so special. I think the secret is in the phosphor laser source. “The Zonda 9 Wash was more straightforward in that it is one of the brightest wash fixtures around and it could achieve both the pastel tones for preaching and normal service, as well as the saturated colour tones that the praise and worship songs need for extra drama. With a bit of



Bjork's "Cornucopia" plays Perth Festival with Robe

Iconic Icelandic singer / songwriter Bjork's acclaimed visually and sonically immersive "Cornucopia" theatre masterwork played a four-night residency at the recent Perth Festival in Western Australia. It delighted fans and was staged in a purpose-built 5000 capacity pavilion in Langley Park, ensconced amid a 'cybersonic Garden of Eden' uniting nature and technology!

The tour's lighting is co-designed by UK-based creatives Richard White and Bruno Poet, and for the Perth shows, equipment was supplied by local rental company Showscreens, including several Robe moving light fixtures from their extensive inventory.

Gracing the rig were 18 x Robe BMFL Blades, 20 x BMFL Spots, 15 x BMFL Wash Beams, 30 x Spiiders and 12 x LEDWash 600s plus two more BMFL WashBeams on RoboSpot systems that are specified for the whole tour. "Showscreens were an excellent choice

of rental partner and came up with a great package for us," stated Richard, who utilised the BMFL Blades for all the key lighting and sidelight. Their accurate framing shutter system is "essential" for this show, he noted, and that is due in a large part to the video projection's multi-layered tracking curtain system.

The BMFL Spots and WashBeams also made up the remainder of the flown and floor fixtures, and these were primarily used for effects and imaginative beam work.

Working as an over-stage wash light, the Spiiders were highly efficient for covering all the necessary areas. Spiiders were also rigged on the audience trusses and augmented with the LEDWash 600s.

Cornucopia's sound design features a full 360-degree d&b Soundscape audio system with approximately 100 speakers all around the auditorium, with numerous audio tracking and spot

effects mapped to the lights, which requires plenty of fixtures above the audience to gain the full effect.



A two base station RoboSpot system running with two BMFL WashBeams has been specified for “Cornucopia” right from the start, when this thought-provoking collage of image, lighting, sound, music and movement was first staged at The Shed in New York in 2019.

Richard describes the RoboSpots as “vital” for the show. All the tracking / following and sizing of the beams is undertaken by the RoboSpot operators, while he retains control all of the other parameters via the lighting console, a set up that allows for lightning quick reactions to the sudden changes in the stage space that come with the repeated curtain moves happening live throughout the performance.



Richard also reveals that in terms of quality of light, he prefers the slightly softer feel of the BMFL WashBeam for this task.

In Perth, Richard worked alongside festival production managers John Carter and Rio Hall-Jones and the Showscreens team comprising production manager Kale Tatam and lighting techs Cameron Munro and Josh Tilson.

“Showscreens definitely listened to and fulfilled the brief,” he commented, adding, “it’s not an easy show to walk into as a local supplier, but Kale and Rio were super supportive throughout, while Cameron and Josh ensured that everything ran smoothly and we were always well looked after!”

Showscreens’ owner Ryan Varley stated, “We were delighted to embrace the challenge of fulfilling Richard’s and the Bjork teams’ requirements to deliver a spectacular show in the largest free-span tent in the southern hemisphere!”

Cornucopia focuses on nature and the environment and touches on many frontline issues and hot button topics! The visual starting point for Bruno and Richard’s lighting design was the stunning video content created by artist and designer Tobias Gremmler together with Chiara Stephenson’s striking and intricate scenic concepts.

Bruno and Richard both also enjoyed working with show director, award-winning Argentinian filmmaker Lucretia Martel, whose influence brought an epic cinematic perspective and its own distinctive spirit and rhythm to the show.

www.robe.cz

Photos © Santiago Felipe





Yajiang Photoelectric supported the Fourth Music Festival in Hangzhou

Recently, music-lovers from different places gathered at the site of the 4th Music Festival in Xixi Incity, Hangzhou. Everyone were satisfied with the effect and have a great time there!

This music festival was held in spring with the theme of "Full of Spring, Love is Shinning". This was the first large-scale music festival in Hangzhou in 2023, it brought a top audio-visual event for the music-lovers.

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Chauvet Singapore Open House welcomes visitors from throughout APAC market

Located 11-floors above the Vista Exchange district, atop the celestial inspired Star Performing Arts Center, The Star Loft offers breathtaking views from its interior space and enchanting rooftop terrace. This panorama, however, was not the only impressive site that visitors to Chauvet's Singapore Open House got to enjoy in early April. The two-day event, treated VIP guests to a dazzling array of innovative, new products from CHAUVET Professional and its sister brands, including Kino Flo and ChamSys.

Featured in this star-studded lineup from CHAUVET Professional was the widely acclaimed Color STRIKE M motorized strobe, along with the Maverick Storm 4 Profile and Storm 2 Profile, COLORado PXL Bar 16 and PXL Bar 8, the STRIKE Array 2, STRIKE Array 4, the Rogue Outcast 3 Spot, and more. Kino Flo was represented with products such as the Free Style Air, while ChamSys showcased the MagicQ Stadium Connect, MagicQ MQ70 and QQ20. Complementing the console demos, Aziz Adilkhodjaev, ChamSys' International Sales, and Business Development Manager, conducted extensive training sessions.



The first day of the event was attended by over 40 Chauvet distributors from Australia, Brunei, Hong Kong, India, Indonesia, Korea, Malaysia, New Zealand, The Philippines, Singapore, Vietnam, and Taiwan. On Day 2, the Chauvet team welcomed 80 key Singaporean customers, including rental and production houses, systems integrators, and lighting designers. "This was a wonderful way to lead into spring," said Stéphane Gressier International Sales Director of Chauvet. "Not only did this event provide us with the opportunity to showcase many of the exciting new products that our R&D teams have developed, it also was a

chance to connect with our supporters in Singapore and throughout the Asia Pacific market to say thank you and share good times—and some pretty spectacular views too!"



Color STRIKE M

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PR Series

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An all-in-one platform for virtual production and high-end rental staging market



AbsenLive honoured with a prestigious iF Design Award for its PR Series

Absen is proud to announce that its Pixel Reality (PR) Series LED panel for virtual production has won an iF Design Award in the product for public / retail category, at this year's Awards. Organized by the Hannover-based iF International Forum Design GmbH, the world's oldest independent design organization, the iF Design Award crystallizes Absen's position as an innovative global leader in the manufacture of groundbreaking LED solutions.

Acknowledged as one of the most prestigious design awards in the world, the iF Awards attracts around 11,000 entries every year from over 57 countries around the world. The jury selection is just as diverse with independent, high profile design experts selected from every corner of the globe. For Absen, the Award is validation of its commitment to the creation of well-designed products that function beautifully and differentiates the company as a manufacturer focused on the fine detail of its product design.

Absen's PR Series is a flagship product of Absen's recently launched AbsenLive brand which focuses on solutions for the high-end rental and staging market as well as virtual production and the xR stage. The PR Series is an all-in-one product platform, designed to meet the needs of its markets and customers.

Providing a comprehensive and multipurpose solution, the PR Series features a robust framework into which the display modules, of any pitch, can be switched in and out of for a simple update. The PR1.5, PR1.9 and PR2.5 modules feature excellent flatness, superior display, exceptional heat dissipation and a narrow pixel pitch, making them the perfect choice for LED backdrops in a virtual studio. The PR3.9 and PR5.2 display modules can be used in the framework to create LED ceilings, where their high brightness, exceptional display qualities provide an optimal lighting environment.

The PR Series offers excellent in-camera visual effects (ICVFX) to assure the desired image can be captured by

photographers even at close range. The 16-bit HDR panels refresh at 7680Hz, with a 251Hz frame rate for smooth and seamless video delivery. True-to-life colour is achieved with 99.9% DCI-P3 color gamut coverage of the modules with minimal off-axis colour shift so that perfect shot can be captured from any angle with no limitations to workflow.

Judges were particularly impressed with the innovative mechanical design of the PR Series. The composite structure of the carbon fiber tubing and die-cast cabinet makes it lightweight and durable, as well as easy to handle and maneuver. The core inspiration for the panel structure was the spine and its vertebrae. The power box in the center of the PR series panel frame is comprised of three separate but connected components, like three strong vertebrae supporting the panel.

The core stability of the design provides the support to form complex structures. The PR Series features a curved connection solution that is

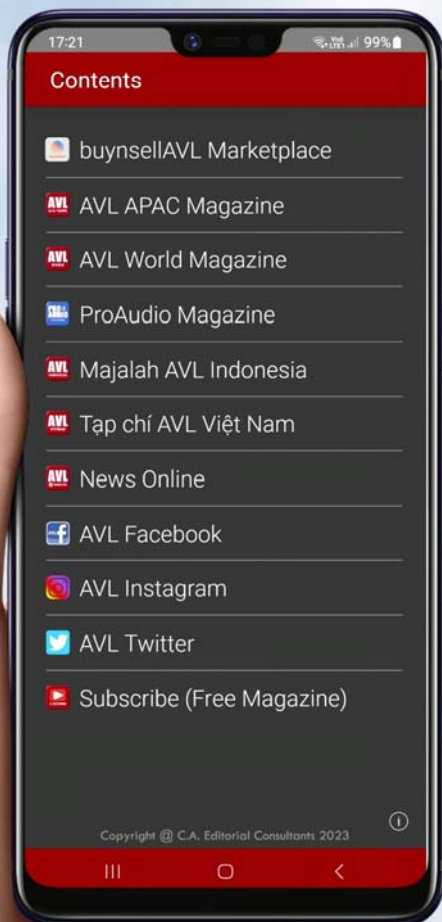
customizable to any angle between 0 and 7.5 degrees. Structural stability and strength are facilitated by a one-step locking mechanism which secures or releases the vertical or horizontal side locks each with just one rotation of the handle after pressing the safety button.



AbsenLive CTO, Stone Shi, said, "AbsenLive is honoured to receive this prestigious award. The iF International Forum Design represents the pinnacle of design appreciation and we welcome the admiration of the PR Series. For

Absen's product design to be acknowledged by the iF Design Award validates the hard work and vision of the development teams here who contribute so much to our product ranges."

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Captivate AV get hands-on with Nexo's GEO M12

True to its name, Captivate AV continue to impress audiences at acclaimed events across the Gold Coast. Now in its seventh year of operation, the production company maintains an emphasis on staying ahead of the technological curve—recognising the addition of NEXO's GEO M12 line array system to their expanding acoustic toolbelt as a key step forward.

Backed by an extended history of industry experience, Captivate AV's founders Chris Lang and Russell Baker are making a name for themselves through meticulous execution and genuine enthusiasm for tailoring client experiences. Consistently aiming for maximum impact, Captivate AV have armed themselves with a curated collection of AV technology, with the GEO M12 now stealing the limelight from the lauded GEO S12:

"Inspired by our experience with using NEXO's GEO S12 in the past- which we had also really enjoyed using- we were

very excited for the next generation of NEXO equipment when they announced the GEO M12. What drew us to it was the overall improvement to all the rigging capabilities and a great upgrade to the internals. We have used the M10 previously in other installs and felt the larger M12 would be a versatile asset for use on a wider range of gigs. We also love that M12 is lighter than using STM, which helps us fly the array in more situations when we have weight restrictions."

Designed to satisfy a spectrum of touring and installation applications, GEO M12 packs NEXO's cutting-edge sound reinforcement technology into compact and lightweight cabinets that can be flown or stacked with ease. The flagship of the GEO M series, the M12 range encompasses a selection of high SPL line array elements and a comprehensive range of versatile deployment accessories. Emerging as one of NEXO's preeminent line array solutions, GEO M12 systems offer pristine full-range audio with



consistently even venue coverage from cabinets that are more compact than competitors in their class.

Utilising the GEO M12 technology for a diverse range of live events, Chris describes his configuration for two notable shows, Wolfmother and Maryborough Carols. “We’ve had a number of gigs already using the line array. Maryborough Carols was a large community event of somewhere between 3000 to 4000 people,” reveals Chris. “For each side we decided to go with 5x M1210s, an M1220 at the bottom and paired the flown array elements with STM S118 subs on the ground. The array was flown off the stage rigging and was really light and easy to pulley. Having the 12-inch driver meant we didn’t need to carry any extra mid frequency boxes and we ran it all in Active mode for a better throw.”

Opting for a ground-stacked arrangement for the Wolfmother concert, Chris explains the setup: “We used the M12 boxes stacked on top of 3x stacked MSUB18s- 2x M1210’s and an M1220 on each. As we had to adhere to noise level constraints at the venue, we elected to use cardioid directionality for the subs, firing 2 forward and using one reversed.



The Cardioid dispersion helped us direct the bass frequencies forward, keeping the neighbours happy. We also took advantage of NEXO’s flexible dispersion capability, adding CDD flanges where needed to increasing coverage. Rather than our usual 90-degree horizontal spread, we used the 120-degree flared attachment on boxes for both Wolfmother and the carols event. The extra width on the bottom of the array gave us great coverage closer to the stage, and we love that it’s just a simple



magnetic fixing that needs to be changed in order to achieve this.”

With a series of carefully crafted technology that combines superb sonic performance with adaptable, rapid rigging options, NEXO have cemented the GEO M12 as an optimal choice for a wide range of scenarios where audio quality, setup speed and weight are critical components. Keen to see the system continue to excel, Chris sums up his experience so far: “It’s a great all-round solution that is super easy to mix on- we’re very impressed!”

www.nexo-sa.com

www.grouptechnologies.com.au



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Mahajak Development installs audio, video, lighting and control systems from HARMAN Professional Solutions at Grande Centre Point Space Pattaya

Located in the seaside city of Chonburi, Grande Centre Point Space Pattaya is Thailand's first space-themed five-star hotel. The hotel offers a wide range of facilities that combine outer-space-inspired design and innovative amenities, including a 12,000-square meter intergalactic water park—the largest of its kind in the country.

To support world-class guest experiences with the latest technology, hotel owners turned to Mahajak Development Co., Ltd. to bring their vision to life with a suite of cutting-edge solutions. Mahajak worked closely with HARMAN Professional Solutions to outfit the complex with a comprehensive audio and lighting installation consisting of JBL Professional speakers, Crown amplifiers, Soundcraft mixing consoles, dbx signal processors, Martin lighting fixtures, BSS network devices and AMX control units.

The Space Convention Centre required versatile AV solutions that could support a variety of functions and room configurations. Mahajak installed JBL Control 18C/T, Control 14C/T and Control 19CS ceiling speakers to provide balanced and even coverage throughout the modular meeting spaces. The team also included Soundcraft Si Impact

digital audio consoles, JBL BRX308-LA line array speakers and BRX325SP subwoofers to be used as the main PA and mixing system for events requiring concert-style presentations. Additionally, the team included JBL PRX Series portable speakers and subwoofers for maximum flexibility when organizing spontaneous events in





miscellaneous locations. For the lighting component, Mahajak equipped the space with Martin MAC Quantum Wash fixtures to visually enhance any type of event with professional-grade visuals.

In the Space Water Park, the team installed JBL Control 25-1 speakers fitted with IP55-rated WeatherMax foam grilles to protect against inevitable water splashes. Networked by a BSS Soundweb London BLU-100 signal processor, the Control 25-1 speakers provide immersive background music as well as emergency announcements and fire safety alerts. A JBL CSPM-1 dynamic close-talking microphone completes the paging system. Mahajak also installed an AMX NX3200 Integrated Controller and Modero Series touch panels to give

staff intuitive and convenient control over the audio system. Grande Centre Point Space Pattaya boasts a one-of-a-kind façade design that is permanently projection-mapped with stunning visuals looping on the building itself. The projection mapping content is carried over HDBaseT protocol with AMX DXLink transmitters, which allow the media playback system to remain in a safe location from weather conditions up to 100 meters away. Mahajak also installed a Martin-powered lighting system to enhance and accentuate the projection-mapped façade effects. To provide a unified audio experience across the building's entrance and outdoor areas, the team installed AMX7215/95 and JBL ASB7118 two-way loudspeakers treated with WRX weather protection, as well JBL Control 88M

mushroom landscape speakers. The entire audio system is powered by Crown amplifiers with digital signal processing provided by dbx DriveRack VENU360 loudspeaker management systems.

“Grande Centre Point Space Pattaya is a show-stopping establishment that we are proud to be associated with,” said Amar Subash, VP & GM, HARMAN Professional Solutions of APAC. “Its distinctive features and unique facilities set new benchmarks for the hospitality industry, and is aligned with our mission to create high-level experiences and inspire excellence through our innovative products.”

www.pro.harman.com

www.mahajak.com

Alain Boone, NEXO MEAI Sales Manager (pictured left) with Gareth Collyer, NEXO Sales Director



NEXO welcomes back Alain Boone as Sales Manager for the Middle East, Africa and India

Alain Boone returns to NEXO in the role of Sales Manager for the Middle East, Africa and India (MEAI). The popular and highly experienced audio professional re-joins the NEXO family following 4 years as an independent consultant working on a range of projects including many in the Middle East. Prior to his previous 5-year stint at NEXO, Alain worked for 18 years at NEXO's Belgian distributor, so it's fair to say that NEXO is a brand he knows well.

"NEXO has always developed excellent products, but things have really accelerated in the past few years with the launch of class-leading systems focused on a range of applications from hospitality to entertainment, and sports stadia to houses of worship" comments Alain on a recent visit to the NEXO campus northeast of Paris.

"It's equally exciting to see NEXO evolving a solutions-based approach to the market, evidenced by its commitment to the Audioversity training programs and, particularly, the Engineering Support team which is



available to assist dealers and distributors at all stages of the process, from tendering through to system commissioning and training. I'll be spending a lot of time on the ground in what are some of the world's most dynamic and rapidly developing markets for audio technology, and I'm excited by the opportunity to extend NEXO's coverage in these areas."

Speaking on behalf of NEXO, Sales Director Gareth Collyer says, "It's great to have Alain back in the team and essential to have such an experienced and knowledgeable sales manager developing NEXO's business in these important territories."

www.nexo-sa.com



ARRI opens subsidiary in Singapore

Established in 2008, ARRI Asia Pacific initially operated from Hong Kong. Fifteen years later, the company has relocated to Singapore to further bolster the moving image industry in the region.

To mark this momentous occasion, ARRI Asia-Pacific organised a grand ceremony on 25 April with an open house and a party.

The top management team from the headquarters in Germany, including executive board members Dr. Matthias Erb and Lars Weyer, as well as industry leaders and key players from APAC's moving image industry, graced the festivities.

ARRI Asia is part of ARRI Asia Pacific, which also includes ARRI Korea, ARRI Japan and ARRI Australia. Together, the subsidiaries provide sales and services to the entire Asia Pacific region.

"The inauguration of the Singapore subsidiary in the heart of the Asia Pacific market symbolises a new phase in ARRI's venture in the region. It shows how vital the region, including its emerging markets, is for ARRI. Together with our customers, we plan to significantly increase our activities here," said Erb.

Bertrand Dauphant, ARRI Asia Pacific MD, added: "Completing the establishment of our Singapore subsidiary was a tremendous challenge and a significant milestone for our company. I am incredibly proud to say that this opening is a testament to the hard work and dedication of our team. With this move, ARRI is now even better equipped to serve the Asia Pacific market and meet the increasing demand for our products and services. ARRI Asia-Pacific is now structured around four strong hubs allowing us to better support our clients and promote industry growth throughout the region."

Primely located in Marina Centre, Singapore, the new corporate office spans 3,600sqft and boasts a modern design with facilities for both customers and staff. The facility features a multipurpose creative space that can be easily converted for equipment demonstrations, ARRI Academy training, company events and more. The office also includes an open-concept workspace, adaptable meeting rooms and a collaboration corner to enhance productivity and efficiency.

Furthermore, the subsidiary in Singapore houses a fully equipped 3,000sqft service centre to cater for maintenance and repair of ARRI products. In addition, the service centre includes a warehouse space to ensure clients receive products promptly.

arri.com

ADJ prepares for expansion in the Middle East

Global entertainment lighting, LED video, and atmospheric effects equipment manufacturer ADJ is pleased to announce a new distribution partnership with Dubai-based GSL Professional LLC. Established for over 20 years, GSL has carved a niche for itself as a



PICTURED (FROM LEFT TO RIGHT):
ABBOUD ALJUNEIDI (GENERAL MANAGER, GSL),
FOUAD FOWZI (CEO, GSL),
JOS REULEN (EXPORT MANAGER, ADJ EUROPE),
AND FAEGH FOWZI (PRESIDENT, GSL)

market leader in the distribution of professional audio, lighting, and control solutions across the Middle East. Effective immediately, the company will become ADJ's exclusive distributor for the UAE, Oman, Qatar, Bahrain, and Kuwait. "We are always eager to expand our business and are confident that it will be a game changing decision to take on exclusive ADJ Lighting distribution in our region," comments Fouad Fowzi, GSL Professional's CEO. "ADJ is a reputable brand in the professional lighting industry that has been in business for many years and has built a strong reputation for producing high-quality, reliable equipment. ADJ offers a wide range of products that are designed to meet the needs of our valuable clients. The lighting industry in the GCC countries is expected to continue growing as population and urbanization increase, therefore we expect to see an increase in demand for ADJ products over the coming months and years. GSL will collaborate with ADJ to provide training and support to our customers, helping them to understand and use ADJ products effectively. This will help increase customer satisfaction and build long-term relationships. Therefore, we are confident that ADJ will increase its presence and business in the Middle East through partnership with GSL Professional LLC."

adj.com

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Jay Productions drive successful Kia activation with NEXO's ID24 at The Australian Open

Established in 2008, Jay Productions partners closely with its clients to develop memorable and engaging events. Offering a comprehensive turnkey approach to event production, the Sydney-based team cater to occasions ranging from live shows, promotional walk-throughs and brand activations, through to corporate, outdoor and large-scale experiences. Through application of industry-leading audio-visual technology, Jay Productions delivers its signature verve across immersive spaces and event builds, where NEXO's touring and installation-centric ID Series is often their solution of choice.

Tasked with a brand activation for automotive manufacturer Kia, Jay Productions deployed a cluster of ID24 loudspeakers for playback ambience at the EV6 GT display, held during the 2023 Australian Open. In collaboration with event management company

Studio Messa, Jay Productions designed and constructed a bespoke space featuring two display vehicles, dynamic LED imagery and extensive signage.

Mirroring the sleek aesthetics and high performance embodied by Kia's electric vehicles, NEXO's hallmark precision audio and compact cabinet designs helped cement the ID24s as the ideal choice for the brand activation setup, as Jay Productions' General Manager, Phillip Dearle, reveals: "This event was really interesting and one that turned out looking great. We had an evolving brief from Kia that included layers of concepts. We created a custom stand that was purpose-built for a vehicle to take centre stage and had 8 x ID24 loudspeakers playing ambience to set the mood. There was a central truss in the middle of the structure that allowed us to load one speaker on each side of the cross bracing. By putting them all on the central column we had full coverage

of the entire space. We used the standard black cabinets and they looked terrific: super discreet and tucked away, so they didn't distract from the display. We cycled through a playlist of ambient tracks and the ID24's sounded perfect- you could have a conversation, but no matter where you were within the event space, you could still hear the music. Ultimately, it's the combination of the sound, power and size that makes the ID24's something we regularly go for with high-end events like this."

A feature-rich, compact full range speaker, the ID24 is a compelling portable system for touring and installation. Clocking in at only 24kg, each cabinet boasts an impressive power-to-weight ratio, with a peak SPL of 126dB and frequency response of 95Hz-20kHz. Featuring quick release mounting points and an adjustable horn that can be rotated without

removing the grille, the ID24 is a compelling solution for installers and system designers alike.

Having first used NEXO's ID24 in 2022, Jay Productions' Director, Jason Ghazal has since stocked up on the units, after having his expectations exceeded during a Sydney-based Dior activation event. Outlining his affinity for the ID24, Jason details why the loudspeakers have become a valuable asset in his toolbox: "I'm a big fan of the ID24, and so too are all the luxury brands we work with. They love the speakers because they are small and look fantastic at events- which is something that's important to our clients. They want great sound, but they also want everything to look good. Not only do you get a speaker that is very punchy for its size, but its appearance is very discreet too. That's the primary reason we use them for activations. Generally, we are using them for events similar to this Kia display every couple of months, and we have them in both black and white to suit different palettes."

Highly celebrated by the Jay Productions team, the flexibility and power of the ID Series is testament to NEXO's technological prowess, giving sound engineers and installers an edge



through a slew of advanced design considerations. "The ID24 loudspeakers are true all-rounders!" Phillip explains. "We can literally rig them on anything, and tuck or hide them away- people don't even know they are there, the sound quality is perfect, and the coverage is great no matter where they are placed. They also offer a workflow advantage- they're small units that are simple for one person to set up. They were perfect for the Kia event; they worked flawlessly."

www.nexo-sa.com

grandMA3 for the Good Shepherd Church

The Good Shepherd Church in Seongnam, Korea is a busy, active, and dynamic environment running a raft of regular daily, weekly, and monthly performance-based worship services, praise gatherings plus other related shows and events. It is right at the heart of its local community and is a constant fundraiser for assorted humanitarian causes, both local and international. In 2022, the Church made its first MA Lighting console purchase, when a new grandMA3 onPC command wing joined the production technology in the 500-capacity multipurpose Glory Hall. This was supplied by MA Lighting's Korean distributor, Hansam System, together with a package of new luminaires. The new grandMA3 onPC command wing is now installed in the Glory Hall, located on the sixth floor of the expansive Seongnam campus. This particular venue has a lively focus on youth programs. The grandMA3 onPC command wing was proposed by the Hansam Systems team led by sales manager Chang-gon Kim, together with eight Martin ERA 600 moving lights, 24 x ELP WW ellipsoidal and nine Rush PAR2s, also from Martin, as well as 14 x Elation fresnel spots and 37 DMX controlled house lights, all running through the new console. Hansam System arranged training sessions for Good Shepherd's lighting department and Jin Woo-Yoo noted that while the console is hugely feature rich, and they are still drilling down into its fuller capabilities, it has still been substantially easier to learn than their previous console! (from another brand!)

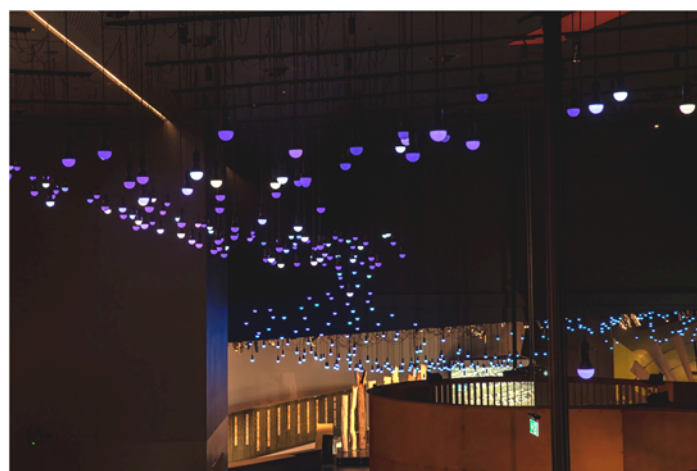
malighting.com

Photo © Jay Jeong



450 Astera NYX Bulbs for impressive National Museum of Australia installation

A stunning light art installation created by Ben Cisterne and comprising 450 Astera NYX Bulbs graces the ceiling of the newest "Great Southern Land" permanent gallery at the National Museum of Australia (NMA) in Canberra. The idea of having a murmuration was always a conceptual part of the plan for the gallery space, however it went through several iterations before the design team comprised of NMA, Local Projects, and Ben hit on the idea of creating it with light, making a pathway to guide guests. Once lighting was the chosen medium, Ben immediately knew he would require substantial quantities of individually controllable dots or pixels that were bright and ultimately controllable, so Astera's neat, handy and highly sustainable NYX Bulb came to mind, and he contacted Astera's Australian & New Zealand distributor ULA Group to arrange demo product. The murmuration features two essential gently asymmetric conjoined shapes. Fernanda developed the first one and Ben the second, which consume 300 and 150 NYX Bulbs respectively. The NYX Bulbs are all hung on high quality cloth pendant light cables which look good and blend in almost to imperception, so the collection of beautifully twinkling and morphing pixels look like they are floating in the air! They are powered via the exhibition lighting tracks already put in place when the gallery was built, with data run over Art-Net via a Stardust CRMX controller to a Pharos touch panel interface. The video sources and lighting sequences were programmed via the Pharos FX engine, with a series of bold and complex moves that also have a simplicity to them.



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astera-led.com



DreamSystemc and Klausys upgrades Seoul Foreign School Theatre with L-Acoustics

The Seoul Foreign School's Lyso Center for the Performing Arts venue was designed as a place for students to gather and pursue the experience of creative excellence alongside their academic pursuits on campus. It consists of three theatre halls and music practice rooms for ensemble groups and individuals. The Mainstage Theatre, inaugurated in 2004, is the largest of the three halls, seating just over 700 people.

The original PA in the Mainstage Theatre had supported a range of performances for nearly two decades. In recent years, a handful of system components, such as amplifiers, DSP, and wiring, had to be replaced due to failure. Anticipating a need to replace the original PA, Theatre Manager John Black worked with the school board to approve the audio system's renewal budget.

Reviewing the cost estimates, Black arranged for on-site demos by three companies, one being DreamSystemc, a local agent of L-Acoustics Certified

Distributor in Seoul, Klausys. Black was impressed with the L-Acoustics system's warmth and clarity during the demo. More importantly, the demo proved that the configuration proposed by DreamSystemc and Klausys solved problems and addressed the theatre's unique features. "All interactions with the team were positive, and they were able to provide detailed answers and timely information," Black praises. "With the Soundvision 3D modelling software, we modelled out all of our 'what-if' questions in real-time and saw the predicted changes immediately, which was an indefensible tool."

The final design consists of L/R arrays of three L-Acoustics A10i Focus and one A10i Wide, topped by a KS21i subwoofer per side. The centre array comprises one A10i Focus and two A10i Wide. Eight L-Acoustics X4i coaxial units serve as front-fill for the first rows of audience seating, while four 5XT are placed under the balcony for the back rows of the theatre. The whole system is driven by one LA2Xi and three LA4X amplified controllers.



Theatre Manager John Black

The A10i-based system met all coverage objectives and was well within the theatre management budget. Cheol Jang, Technical Support Engineer from Klausys, who collaborated with Black closely on the system design and its simulated results, reveals: "Using Soundvision to visualize the final system configuration and performance helped me to communicate with John and his team and to swiftly implement changes to achieve the desired, optimal results. It was a breeze to collaborate through Soundvision from the get-go."

l-acoustics.com

Filament Eleven 11 gets creative with Astera

Auckland, Aotearoa New Zealand based design studio Filament Eleven 11 is a creative tour de force combining the talents and imagination of lighting and visual artists Rachel Marlow and Brad Gledhill. Working across multiple genres – theatre, opera, dance, rock ‘n’ roll live events, installation, and light art – and embracing a mix of medias and light forms, the company is known for its innovative and fun approach to enhancing storytelling with this unique form of expression. Filament Eleven 11 also owns some specialist lighting and control kit, and this year invested in Astera wireless LED products – AX3 LightDrops and NYX Bulbs – which have been busy on several projects. Three AX3 LightDrop kits (24 in total) and 30 x NYX Bulbs were purchased from Astera’s New Zealand distributor, ULA Group, in the last year for use as “ultimately useful lighting tools” commented Rachel, and since then, she and Brad have both enjoyed using them creatively and inventively in multiple contexts on a variety of productions. Both were already familiar with the Astera brand and its products, they had used them on a few shows including AX3s and AX1 Pixel Tubes as part of Rachels’ lighting scheme for “A Stab in The Dark” by Carl Bland, staged at the Q Theatre in Auckland, a production that was also livestreamed. With puppets as well as live actors onstage and the puppets needing extremely careful lighting to retain all the magic, drama, and complexity of the puppeteering, the AX1s and AX3s were a great solution that could be moved quickly and easily around the stage without any cabling worries, helping to disguise all the puppeteer’s actions. “A Stab in the Dark” was also streamed adding an extra layer of visual challenges to an already intricate lighting process, so the Asteras were great all-round asset.

astera-led.com

Photo © Filament Eleven 11



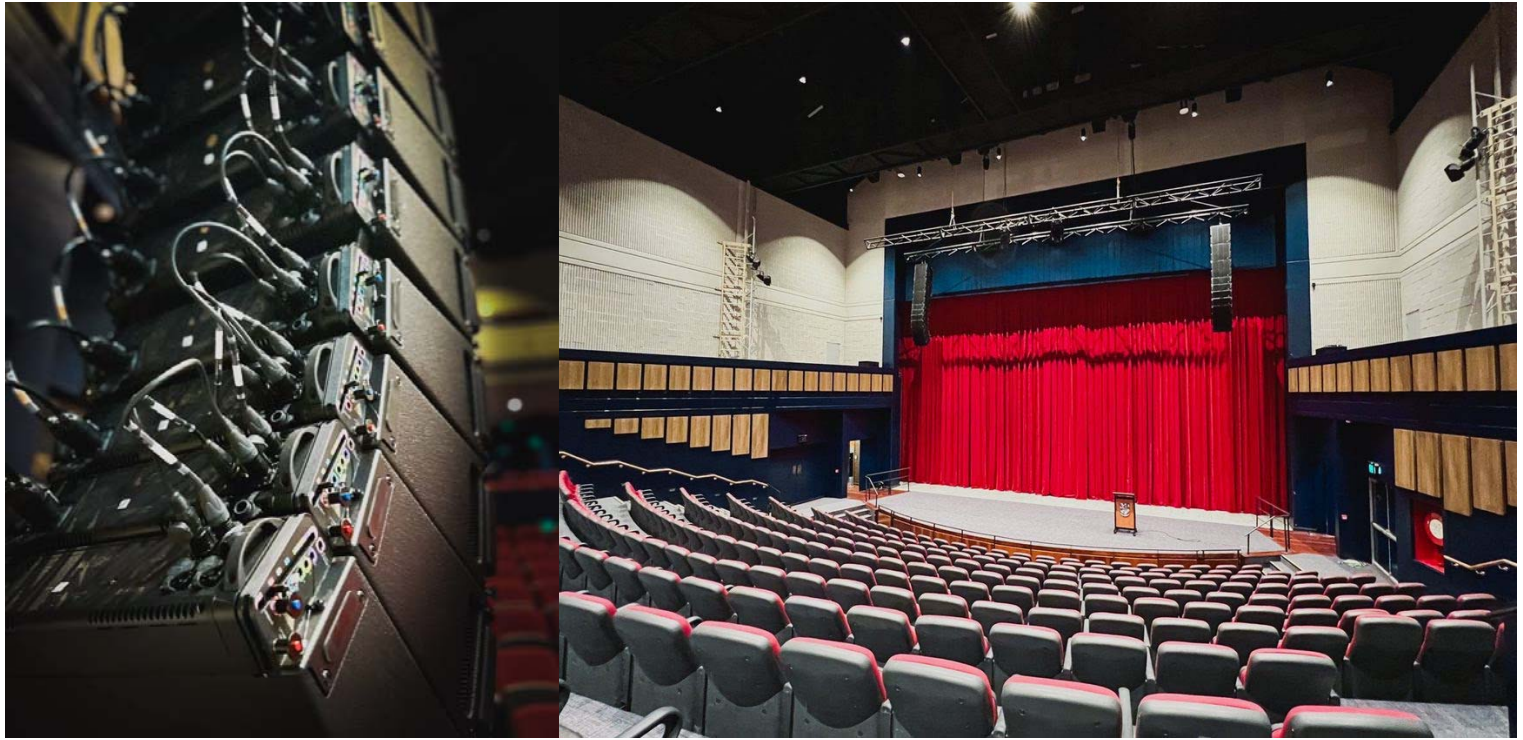
“Stab in the Dark”

Hayden Orpheum Picture Palace chooses Christie RGB pure laser projection for its iconic auditorium

Christie®, a global leader in digital cinema technologies, is pleased to announce that Hayden Orpheum Picture Palace, one of the most beloved heritage cinemas in Australia, has chosen its state-of-the-art RGB pure laser projection system for the iconic auditorium – The Orpheum. Powered by the Christie CP4440-RGB, the world’s first advanced format cinema projector featuring Christie Real|Laser™ technology, the 700-seat auditorium boasting a 13-metre-wide screen is now capable of displaying high frame rate (HFR) titles in true-to-life 4K resolution at 120 frames per second. With new system architecture and ultrafast processing by Christie’s CineLife+ electronics platform, audiences won’t see the motion blur typical of giant screen theatres. The CP4440-RGB was installed and commissioned by the team from HOYTS Cinema Technology Group led by general manager Adam Wrightson and technical manager Bruce Ker, with Hayden Orpheum Picture Palace’s operations manager Sam Hanson and his deputy Oliver Halicki actively involved in the planning and installation process.

christiedigital.com





Forefront Productions bring Adamson CS-Series to The Shore School

Shore School's The Smith Auditorium is a professionally built 600-seat theatre at the North Sydney campus. With the theatre established since the mid-90s and several generations of PA technology behind it, the Auditorium's FOH loudspeaker system was nearing end-of-life, and Shore turned to integrator Forefront Productions for a new PA solution to serve the both the school and the community's needs.

Cleverly taking advantage of a season of the school's annual musical production, Forefront Productions of Warners Bay New South Wales supplied an Adamson CS7 line array system augmented by CS118 subwoofers, enabling the school to evaluate the PA during a demanding real-world application. The Adamson CS7 system ticked all the boxes for Shore School and the system was permanently installed.

"We had the opportunity to trial the complete system in our theatre for a period of about a month," relates Nicholas Wright of Shore's Technology Services. "That included the rehearsal and performance periods of our senior school musical. It was so beneficial to hear the system being used as it is

intended rather than just demoing with recorded music. Having our musical mixed by an external contractor also gave us another professional opinion when deciding if CS7 was the right product for us."

"Working in IT, I am fully onboard with the concept of continuous software and firmware updates and improvements," observes Nicholas. "Though I haven't seen anything like it in other loudspeaker systems – even other active systems – so the opportunity to invest in a system with that kind of future-proof technology and the opportunity for continuous improvement was a no-brainer."

Acting as a combination of school lecture theatre, assembly venue and performance space, the main duties of the PA are to amplify the spoken word. However, regular musical performances, musicals, and external hire mean the FOH is system often required to do much, much more.

"Whether it's through school events, assemblies or musicals, the PA fits our purpose perfectly," states Nicholas. "The venue is also hired out for external

events which include concerts and dance performances, demanding more low-end and higher SPL, but the CS7 main modules and CS118 subs handle it easily. The sound quality of the CS7 line array is incredible, especially when it comes to vocal clarity. For such a small system, it covers our 600-seat theatre perfectly with plenty of headroom." Surprisingly for an active system that carries power amps and processing onboard, the CS Series is extremely efficient in terms of physical dimensions and weight.

"One major consideration when having a system designed was the weight capacity of the structure and rigging equipment already in the venue," explains Nicholas. "I was blown away at how lightweight the CS boxes are whilst still being so capable. It turns out our larger Adamson system with subs flown still weighed 100kg less than our previous line array without its subs."

adamsonsystems.com

TDC celebrates Summer at Sydney Festival

Sydney is back and evidence of its uniquely Australian celebration of Summer will be an unprecedented line up of artists' work at Sydney Festival. TDC - Technical Direction Company, award-winning provider of



event and entertainment technology solutions and sponsor of Sydney Festival, is excited to announce its biggest involvement yet in the preeminent city-wide celebration of culture, creativity and live performance. It's team of technicians have been busy preparing creative design technology and projection mapping expertise showcased at multiple events across Sydney including Festival highlights featuring iconic feminist Frida Kahlo, and mythic new opera epic Antarctica. Chris Fitzgerald, TDC Technical Project Manager, said: "We are very excited to be a Sydney Festival partner once again in 2023. Organising and coordinating our sponsorship of Sydney Festival required extensive site surveys, scheduling, dealing with weather changes and attention to detail. It also gave us a unique opportunity for us to work in collaboration with some leading artists from all over the world using the latest projection mapping techniques and LED technology. We are proud to be involved and can't wait to see audiences react to the wonderful experience." To provide visitors with the most incredible immersive experience and continuing TDC's commitment to sustainability, TDC has deployed the latest addition to its inventory the Barco G62-W11 laser projector which operate on a fraction of the energy used in lamp-based counterparts. Michael Hasset, Founder and Managing Director, TDC, said: "We worked to a specification and used over projectors that were reliable, and gave considerable brightness".

tdc.com.au Photos © Wendell Teodoro

Claypaky fixtures light inaugural event at Lusail Stadium for FIFA World Cup Qatar

Lighting Designer Matthew Tunchon and Qatar Vision Production Company WLL (QVISION) utilized a large Claypaky rig to light the first test event for FIFA World Cup Qatar 2022 inside the newly built Lusail Stadium in Doha. "Executive Producer Dan Bolton and Creative Producer Tom Davies both from Dubai-based BE Experiential, expressed the need to make this event fill out the stadium," says Tunchon of Silver Bullet Projects in Sydney, Australia. "The production designed by Nathan Heverin needed to work around the pitch and be quite compact, so it was up to the lighting to really give the event a big arena look." To help achieve that, Tunchon assembled a rig featuring 50 Claypaky Scenius Unicos, 40 A.leda B-EYE K20s, 25 Sharpys and 30 Hepikos. "We used the B-EYES in the seating area behind the stage to provide some great effects and to backlight the performance stage," Tunchon explains. "The big face of these fixtures as well as the huge amount of looks you can get out of them meant they were really great at helping to pull the stage out from its position in front of the seating area." QVISION supplied and installed the lighting equipment to BE Experiential for the orientation event. This included all lighting, rigging and AV control equipment. They also supplied technical crew and operation staff. With Silver Bullet Projects, Clinton Seery was the event's Technical Director and Aaron Russ the Programmer.

claypaky.com





PP Sound Lights Productions provides tech reinforcement for the first edition of KULA Fest

After a successful 2022, PP Sound Lights Productions Pvt Ltd was chosen to provide a comprehensive superlative technical reinforcement solution for the path-breaking KULA Fest which took place at Mumbai's iconic Nesco Exhibition Centre.

Prasad Parkar, director of PP Sound Lights Productions reveals that his team designed and commissioned the entire technical setup with the utmost amount of care and caution, keeping in mind the diverse range artists lined up for the event, while also taking stock of various venue-based dynamics such as the stage metrics, crowd capacity etc.

For the mainstage, the PP Sound Lights team deployed a comprehensive loudspeaker system from d&b Audiotechnik, with the FOH comprising multiple units of the versatile V-series line array modules paired with the powerful B22 subwoofers on either side of the stage; and several units of the Max2 monitor wedges that were placed strategically on stage to act as the floor-monitoring solution for the performing

artists. The entire loudspeaker system was powered through multiple units of the ultra-efficient and dependable D80 power amplifiers.

To assist artists with their respective music playback requirements; PP Sound Lights team also provided a complete set of the industry standard Nexus 2 DJ'ing system (CDJ2000 players + DJM900 mixers) from Pioneer DJ, which of course was in addition to the expansive microphone inventory that comprised multiple sets of wireless systems which included the acclaimed 6000 series wireless microphone system from Sennheiser as well as the industry-proven Axient Digital wireless system from Shure. And to enable unparalleled control over the overall quality of the sound experience for the audience at the mainstage, the team offered the leading-edge S6L full-format mixing console from AVID which was used to fulfil FOH mix as well as artist monitor mix exigencies.

The venue also hosted a secondary stage dedicated to hip-hop

performances, which the PP Sound Lights team outfitted with a compact yet powerful loudspeaker setup from JBL by Harman that comprised the VRX932LA line array system paired with matching pair subwoofers as the FOH system, along with VRX915 wedges deployed as the on-stage monitoring solution. This stage was once again equipped with a select range of corded and cordless microphones from leading brands like SHURE and Sennheiser; with the PP Sound Lights team also providing the versatile XONE:92 six-channel mixers from Allen & Heath to suffice for impromptu battle-mix programmes.

A single unit of the incredibly compact yet versatile AVANTIS 64 channel 42 bus digital mixing console from Allen & Heath was more than enough to allow the mix engineers complete control over the quality of sound playback at the stage.

ppsoundlights.co.in

Light Craft invests in PROLIGHTS soft lights

Light Craft & Sound, a leading lighting supplier for the film and TV industry in India, has recently purchased one hundred PROLIGHTS EclPanel TWC, ten EclPanel TWCXL and ten combined Astra Wash19Pix and 37Pix moving lights to their rental fleet. Light Craft is a multidisciplinary creative studio based in Mumbai that works with leading channels in India like Start TV, Sony, Zee TV, Viacom, and many others, and leading Bollywood productions like Dharma Production, Yash Raj Films, and others. Mr. Arjun Singh,



Managing Director of Light Craft & Sound, explained his decision to invest in PROLIGHTS: “We were impressed with the colour calibration and its colour precision across the entire range of soft lights.” Singh added: “These are great key-selling points of PROLIGHTS' fixtures. Their colour and light output are similar to other leading manufacturers of soft lights.” Mr. Arjun was also impressed with a few software features: “We liked the built-in effects in particular and the fact that you can tweak their parameters. The colour mixing system and the built-in colour gels are also incredibly useful to the Indian market.” The PROLIGHTS' fixtures were supplied by Lotus Cine, the company's newly appointed distributor in the region.

prolights.it

Christie RGB pure laser projectors to light up main exhibition hall at Expo 2025 Osaka

Christie®, a global audio and visual technologies company, is pleased to announce that through parent company Ushio's co-sponsorship of a “Future Society Showcase Project” at Expo 2025 Osaka, Kansai, Japan, that its high brightness, 3DLP® RGB pure laser projectors will be used to deliver spectacular visual experiences in the main exhibition hall. Expo 2025 Osaka, Kansai, Japan is scheduled to run from April 13, 2025 through to October 13, 2025. Ushio Lighting Inc. (ULI) will provide more than a dozen Christie Griffyn® 4K50-RGB pure laser projectors for projection mapping during the opening and closing ceremonies, major events, as well as in support of Expo 2025 Osaka, Kansai, Japan's theme “Designing Future Society for Our Lives,” which aims to bring and share the world's knowledge to help resolve global issues. As co-sponsor of Future Society Showcase Project, Ushio and ULI will assess and manage the more than a dozen 50,000 lumen Griffyn 4K50-RGB pure laser projectors, the lightest, brightest, and most energy-efficient laser projectors available today, in their class, at 15.9 lumens per kilowatt hour. Weighing only 197 pounds (89.3 kg), the Griffyn 4K50-RGB is versatile and bright, reaching ~98% of Rec.2020– the color space closest to what our eyes can see. Chosen also for its low noise levels, the Griffyn 4K50-RGB operates at 55dBA at full brightness, so audiences are immersed in bright, vivid visuals without distraction.

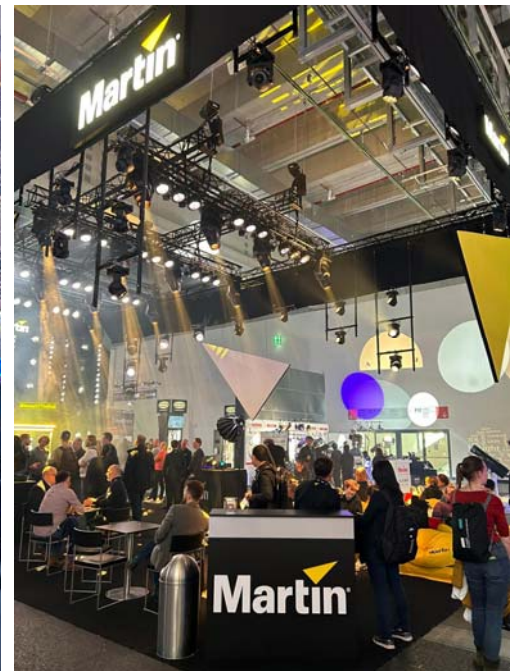
christiedigital.com



International home of event and entertainment professionals: Prolight + Sound is back on the growth track

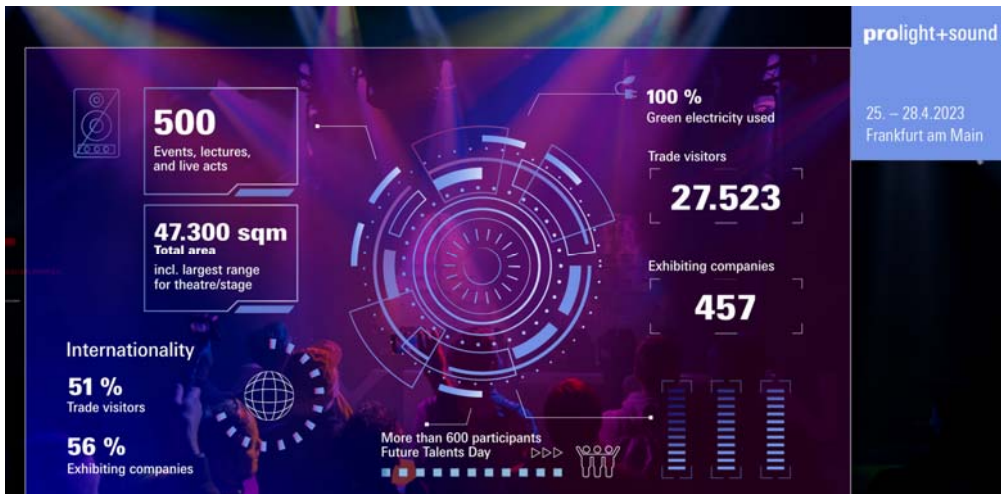
A powerful statement for events and entertainment: After four days full of innovative presentations, exciting conferences and emotional encounters, Prolight + Sound 2023 closes with a significant increase in visitor numbers. More than 27,500 professionals from 113 countries attended the leading trade fair for the entertainment technology industry from April 25 to 28, 2023. Current topics such as the implementation of sustainable events or the increasing demand for specialists and young talents were discussed – in this regard, the Prolight + Sound conference programme offered numerous future-oriented approaches and solutions. Following the end of global travel restrictions, it was the first opportunity for many industry participants to visit the show since 2019. This is reflected in the high internationality of the event: Half of the visitors came from outside Germany.

457 exhibitors from 34 countries demonstrated the industry's innovative strength in an impressive way. "The event industry is back - and it has its international home at Prolight + Sound. The past four days have left no doubt about that. Together with the industry, we have taken action to promote the





The Women in Lighting Lounge provided a point of attraction for female professionals
Photo © Jochen Günther



business. We are continuing on this path and investing consistently in the event. The high level of satisfaction on both the exhibitor and visitor sides, and, above all, the impressive internationality, provide a strong basis for further growth in all product areas – and thus for the successful future of Prolight + Sound,” says Wolfgang Marzin, Chairman of the Board of Management, Messe Frankfurt.

prolight-sound.com/worldwide

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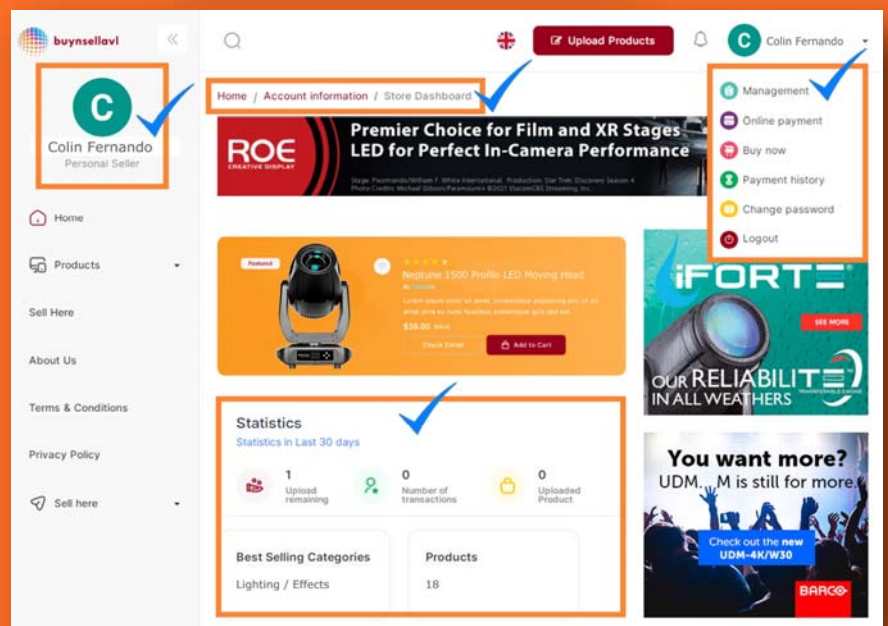
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- NO credit card information and payment needed
- Click CREATE
- You are ready to start selling!

2nd — Upload your product for sale

- Up to 4 product images in 1 post
- Link a video
- Include your contact details for the buyer to contact you directly
- Click POST
- Your product is now looking for a buyer!

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Video 视频 Rigging 索具
Musical Instruments 乐器



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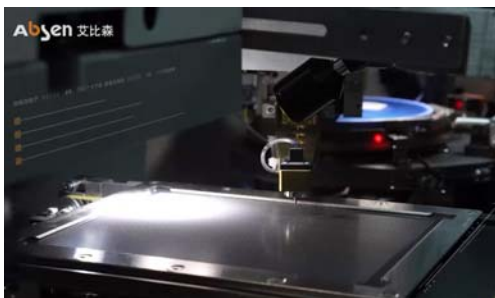


Explore the advanced manufacturing process in Absen's COB Manufacturing Center that produces its True-to-Life image quality

With the mass production of upstream materials and technological advancement, the market for micro LED displays has seen rapid growth in geographic rotation and more application scenarios. LED display manufacturers worldwide are actively tapping into the market of flip-chip COB, a major technology for micro LEDs.

Aspiring to provide the most advanced flip-chip COB LED displays, Absen has been engaging in the deployment of such technology since 2016, achieving superior performance in international markets. As a pacesetter for flip-chip COB technology, Absen has invested heavily in COB LED production to accelerate the technology's mass adoption. Let's explore the advanced manufacturing process in Absen's COB manufacturing center that produces its true-to-life image quality.

Entering the facility, the first thing that comes into view is the automated assembly line, with robotic arms moving back and forth in impressive fashion. When designing the production facility, Absen incorporated the MES &

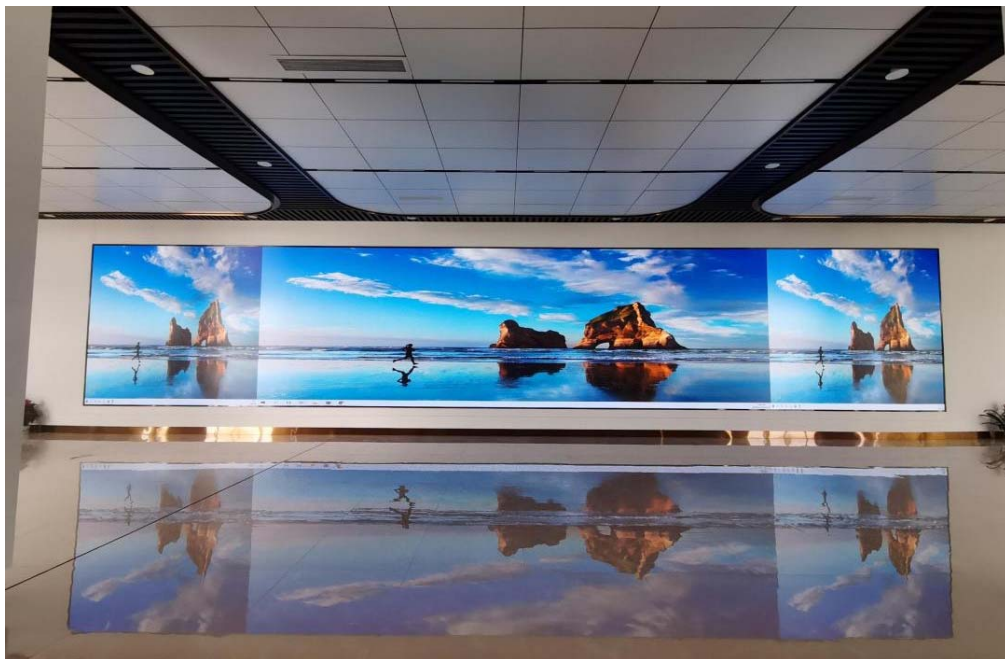




SCADA systems with hundreds of data collection points, which enables complete production monitoring, and provides strong impetus to quality and process improvement. Since the opening of the phase-II COB facility, Absen's competitiveness in the high-end micro display market has been greatly enhanced.



Going deeper into the production area, the eye-catching manufacturing process of COB light boards unfolds before our eyes. This further highlights Absen's strength in advanced manufacturing. The detailed introduction from the interpreter explains the Class 10K clean key area, the three-stage air filtration system, the $10^9\Omega$ PVC static dissipative floor, and the all-round ESD protection for workers in the facility. The meticulous attention to detail represents Absen's adherence to the highest quality standards.



High-precision machines, standardized processes, and excellent quality management systems have enable the emergence of Absen's "black, brilliant, cool, and strong" COB products. They have also laid a solid foundation for Absen's leadership in the micro LED market. Absen's flip-chip COB LED displays are widely deployed in control rooms, studios, lobbies, high-end commercial purposes and many other scenarios, with significant demand from users worldwide.



COB technology represents a revolution in the display industry. As micro LEDs see growing demand and the market of COB LED displays booms, Absen's COB manufacturing center provides strong support for it to further expand production capacity and take advantage of market opportunities. Believing that "quality is the cornerstone of a manufacturing enterprise" and aiming to "create maximum value for our customers", Absen aims to make its COB manufacturing center the anchor for future development, and a strong support for it to reach new heights.

www.absen.com

Innovative Display Solutions: YES TECH's MG7S Cube and Mnano II Series



90° Right Angle Screen



Cubic column



U-shaped large screen



MG7S Cube+MG12



MG7S Cube+MG13



MG7S Cube+MG14



MG7S Cube+MG15



MG7S Cube+MG16

YES TECH's Latest Addition to the MG Series: The MG7S Cube

YES TECH, a leading display application service provider, has launched its newest addition to the MG series, the MG7S Cube.

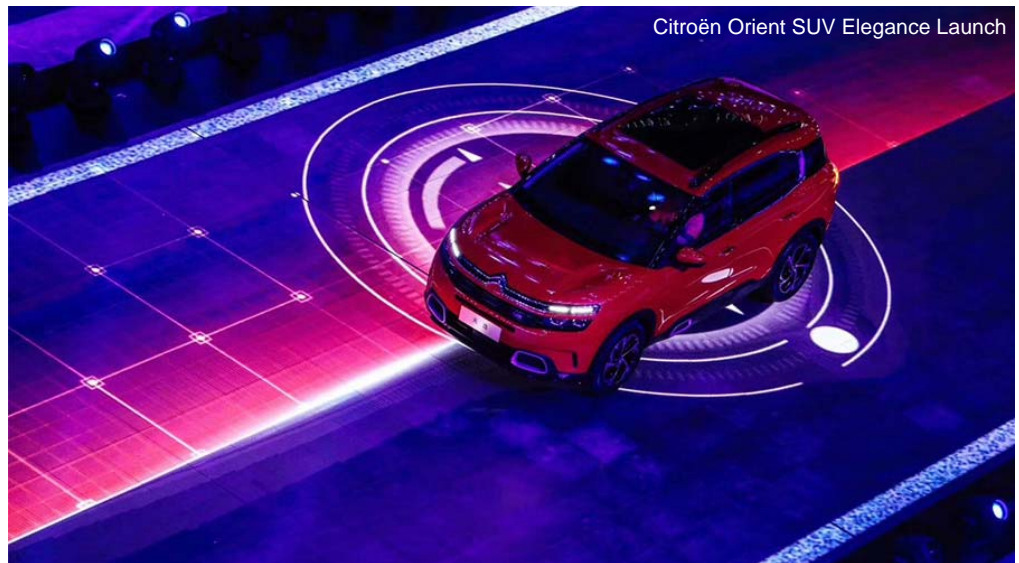
The MG series has a proven track record of versatility and universality, having created countless amazing stages. With seamless splicing, the MG7S Cube offers vivid visuals and countless design possibilities, redefining stage performance with its revolutionary design.

Unlimited Creativity

The MG7S Cube improves upon the traditional screen of the MG7S series with its patented connector, allowing for splicing with creative extension series. This innovative feature enables various shapes to be created, such as numbers and letters, providing a sense of space with a more diverse stage shape, thereby unlocking unlimited creativity.

Reliable Load-bearing Capacity

The MG7S Cube cabinet has super tension, making it ideal for high scene applications. With a linear secondary



adhesion process, the thrust of lamp beads is increased by 100%, which is three times that of conventional products. For more interactive effects, adding an inductive coil under the mask will work better. Its load-bearing capacity is unmatched.

Multi-scene Applications

The MG7S Cube series is able to withstand both low temperatures for the Beijing Winter Olympics and high temperatures for the Dubai World Expo, with its protection level reaching IP65. Its strong environmental adaptability fully meets the needs of indoor and outdoor use, making it perfect for all-scene applications.

YES TECH's Mnano II Series of Small Pitch Products

In addition to the MG7S Cube, YES TECH has also launched its Mnano II series of small pitch products.

The Mnano II series utilizes full flip-chip COB technology, which has become the current mainstream technology, leading the development of the display industry.



High Uniformity Ink Color

No batch difference, support long-term consistency



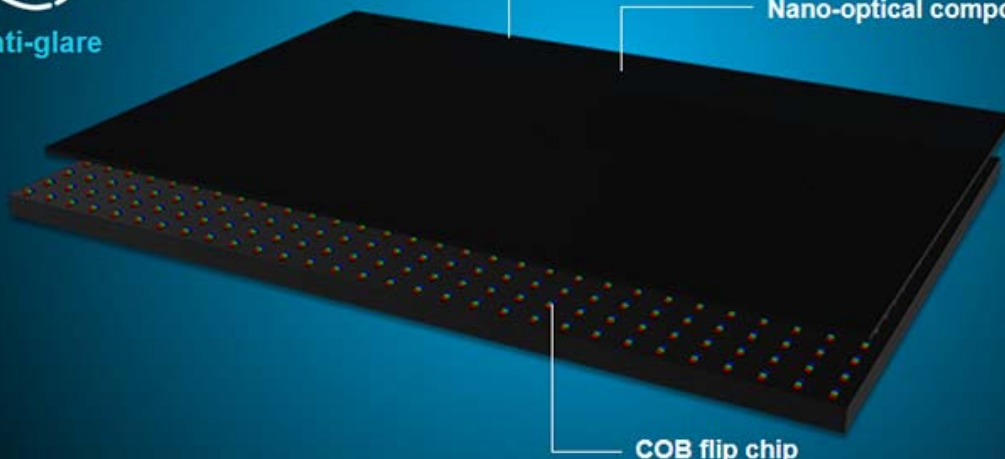
Anti-glare

Matte surface

Nano-optical composite black coating



High contrast



COB flip chip

High reliability support free touch



High Reliability Support Free Touch

2023 YES TECH Global Exhibitions Schedule



The technology has several performance advantages, including low temperature rise, low power dissipation, uniform heat dissipation, cold screen touch, and ink color long-term consistent advantage.

Performance Advantages

The Mnano II series boasts several performance advantages, such as high uniformity ink color, good viewing

experience, delicate display with restored natural colors, cool screen, and an extended lifespan.

Its six-dimensional protection fully guarantees its reliability, with a light board protection level of up to IP54, panel hardness of 4H, and six-dimensional protection against moisture, dust, fingerprints, static, collision, and oxidation.

Future Perspectives

The full flip-flop COB LED display technology will turn into a popular technology field in LED display. YES TECH will meet with you at Booth 12-39 in Live Entertainment Expo 2023 to bring more excitement. See you on Jun.28-30,2023!

www.yes-led.com

Ayrton Rivale Profile

Light-weight luminaire, versatile for mixed use indoors and outdoors and in all conditions



an iris diaphragm, a monochromatic effect wheel, two combinable rotating prisms and two frost filters.

By utilising innovative materials and state-of-the-art technology, Ayrton has minimized this fixture's weight to enable it to accomplishing exceptional feats and deliver outstanding performance.

Developed for mixed use indoors and outdoors - in all conditions - Rivale Profile, has a unique visual signature that foreshadows the style of Ayrton's future line and secures the Ayrton name as a 'no-compromise' brand.

Part of Ayrton's Classical IP65 3 Series, and complete with continuous rotation of the pan and tilt movement, Rivale Profile is a unique projector, unparalleled on the market, that successfully boasts performance, creativity, subtlety and power.

The lighter the machine, the more versatile it can be. Weighing only 28.5kg, Rivale Profile has been designed to push limits and is Ayrton's most versatile luminaire to date.

Equipped with a 160mm frontal lens and a brand new 450W high-efficiency LED module, calibrated at 6500K with a luminous flux of 27,000 lumens, Rivale Profile can produce an ultra-intensive beam of 4° - close to that of Ayrton's famous "LT" versions – with a 13:1 zoom ratio and a zoom range of 4° to 52°.

A brand new high-definition progressive CMY colour mixing system allows a perfect reproduction of pastel colours.

A variable Deep RED channel optimizes the colour rendering index at low levels and offers a progressive red with a high level of saturation for specific needs. A progressive CTO and a seven-position colour wheel complete the palette of tools dedicated to creating colour.

Rivale Profile is factory equipped with a wheel of seven rotating gobos, a wheel of eight fixed gobos, a framing section that allows the precise positioning of each shutter blade on 100% of the surface with a rotation of +/- 90°,



Click the link to find more information at

www.ayrton.eu/produit/rivale-profile/

CHAUVET Professional Ovation E-2 FC

Compact, Convenient, and Colorful



Inspired designs come in all sizes. Now so too do fully featured LED ellipsoidal spotlights that can help turn those visions into reality, thanks to the new Ovation E-2 FC from CHAUVET Professional.

With an RGBAL engine that delivers richly textured colors and smooth, even whites (it has a CRI of 93), plus an integrated 25-50 degree zoom lens, the Ovation E-2 FC delivers the kind of performance associated with larger fixtures, but in a compact body that makes it ideally suited for small and mid-sized applications.

Weighing in at under 15 lbs. and measuring 18.1 x 12.2 x 17.5 inches (461 x 310 x 445 mm), the tidy, but powerful, fixture puts out 1107 lux at 5 meters when used at its narrowest and 488 lux at 5 meters when used at its widest beam angle.

The Ovation E-2 FC features advanced optics, which means that in addition to rendering beautiful colors, it projects sharp, crisp gobos that add depth to any design.

A convenient dedicated focus mode button allows one-touch focusing without the aid of a board operator.

A Virtual Color Wheel and preset white CCTs added to the conveniences offered by this versatile fixtures, which can be controlled via DMX or RDM.

Other features in this ultra-quiet fixture include selectable PWM, +/- Green adjustment and emulated red-shift, a built-in gobo slot, electronic dimming, and USB ports for software updates.

Thanks to these and other features, the Ovation E-2 FC is taking broader design options to more places than ever.



Click the link to find more information at

www.chauvetprofessional.com/products/ovation-e-2fc/

Robe iPAINTE®

IP65-rated short / medium throw profile



A member of the Robe iSeries, the IP65-rated iPAINTE® retains all the qualities and features of its highly successful indoor brother, PAINTE®. Robe's groundbreaking, self-managing, low-maintenance ingress protection technology allows outdoor use of this classic fixture by removing the threat of rain, dust, humidity, smoke or haze damage, even in the harshest conditions.

iPAINTE® is a high quality IP65-rated short / medium throw profile luminaire that retains all the qualities and features of the highly successful indoor version – PAINTE®.

Robe's ground-breaking, self-managing, low-maintenance ingress protection technology means this fixture is great for exterior use by removing the threat of rain, dust, humidity, smoke or haze damage, even in the harshest conditions.

With an identical footprint and DMX map, both iPAINTE® and PAINTE® can be seamlessly integrated within the same lighting rig if desired! Even when rigged next to one another, they look the same which is great for continuity and practicality.

The ingress protection system allows standard on-site maintenance without needing additional tools while the pioneering onboard and patented RAINS™ (Robe Automatic Ingress Neutralization System) manages humidity, temperature, and pressure control.

RAINS™ is an active monitoring system that automatically removes any moisture detected within the fixture, providing constant monitoring to ensure peak performance.



Light source
iSE-TE™ 310W White LED
TRANSFERABLE ENGINE



Light output
14.900 lm, 24.000 lx @ 5m,
Cpulse™ special flicker free
management for HD and UHD
cameras, ready for 8K and 16K



Zoom range
8° - 48°



Effects
Static and rotating gobo wheel,
Full curtain framing shutters, Prism

Innovations



Click the link to find more information at
www.robe.cz/ipainte

Robe FOOTSIE1™ & FOOTSIE2™

Dynamic LED foot lighting



For something completely different

Robe's revolutionary IP65-rated FOOTSIE fixture redefines the concept of traditional 'footlights' and effectively removes the visual barrier between audience and performers.

The IP65-rated FOOTSIE delivers dynamic LED foot lighting, whatever the production, environment or weather!

This highly innovative new product is currently available in two standard lengths, FOOTSIE1™ (600mm) & FOOTSIE2™ (1200mm), with a choice of warm or tuneable white LEDs or RGBW high power single chip LEDs.

The classic warm white LEDs offer a CRI greater than 90 – fantastic for key lighting of faces, and the tuneable white ranges from 2.700K – 6.500K.

The RGBW version facilitates all colours, including those infamous up-lit horror looks, so great for all relevant themed theatrical shows and the darker metal genres of music!

The LEDs are evenly spaced to provide the smoothest of washes and continuous runs of illumination across stages, sets, runways, etc.

The FOOTSIE's cool low laying 52 mm high design allows a full view of the performer keeping the stage and sightlines clear and clean, while an integral self-contained cable tray can be used to neatly run any loose laying audio, power or data cables and their associated trip hazards!

For flexibility in a run of fixtures, FOOTSIE1™ has two individually controlled zones within its 600 mm length, while FOOTSIE2™, being longer at 1.200 mm, has four zones.

BluMark™ allows a low-level blue LED indication of the stage edges without affecting the lighting states.

An Integrated Shield that covers a direct line-of-sight view between the LED sources from the audience side, protecting them from unintentional glare / flare, can either be folded inside the fixture housing or released and installed in position.

Fixtures can be joined together swiftly and easily with a fast connection system, and corner pieces of various angles are available, making the fixture ideal for outlining sets and stages or creating other bespoke shapes.

The convection-cooled FOOTSIE is perfect for theatres, concert stages, fashion show catwalks and all types of corporate and industrial events.



Click the link to find more information at



www.robe.cz/footsie1

www.robe.cz/footsie2

Sennheiser EW-DP Series

The 5th generation of Sennheiser's popular wireless microphone systems for camera use

AVL TIMES 2023
EDITOR'S CHOICE
 BEST NEW PRODUCT



At the recent NAB Show, Sennheiser launched its 5th generation of Evolution Wireless systems for filmmaking and video applications. Purpose-built for content creators, filmmakers, and broadcasters, EW-DP is a fully digital UHF wireless microphone system with a new portable design and unmatched audio quality. At its heart is a compact, intelligent receiver that helps even novice users set up their audio with ease. The EW-DP EK receiver features an innovative magnetic stacking system, and can be conveniently controlled remotely via the Smart Assist app.

“On set time is the most valuable asset,” says Tobias von Allwörden, head of Sennheiser’s Audio for Video portfolio. “Therefore, we designed EW-DP such that it is intuitive and fast to set up and helps you to troubleshoot your system. EW-DP provides the reliability and consistency that you need in stressful filming situations and time-sensitive working scenarios.”

The EW-DP series

Besides the stackable EW-DP EK receiver, the series includes a bodypack transmitter for clip-on mics (EW-D SK), a handheld transmitter (EW-D SKM-S) and a plug-on transmitter (EW-DP SKP) that will launch in October.

As part of the larger Evolution Wireless Digital family, EW-DP inherits the family features such as the exceptionally low latency of 1.9 ms and a wide 134 dB dynamic input range, which ensures that everything from a soft whisper to a loud scream can be reliably captured without distortion.

Three sets are available now:

The EW-DP ME 2 SET comes with a bodypack transmitter and the ME 2 omni-directional clip-on (lavalier) microphone, while the EW-DP ME 4 SET includes a cardioid clip-on microphone for noisier environments.

The EW-DP 835 SET contains a handheld transmitter with cardioid MMD 835 dynamic microphone head.



All sets come with a magnetic mounting plate kit, a BA 70 rechargeable battery, two standard AA batteries, a locking 3.5 mm TRS to 3.5 mm TRS cable, a locking 3.5 mm TRS to XLR cable, and a USB-C charging cable for the receiver.



The compact, stackable EW-DP EK receiver is at the heart of the system. Its OLED display ensures optimal visibility regardless of placement, angle, or light

Peace of mind on location

“Though sound is decisive for the overall quality of a production, it is usually not the first priority on set. More often than not, freelancers will work without a dedicated audio person. There are enough challenges on set, so we embarked on developing a UHF audio system that would require minimal attention and give the videographer peace of mind,” explains von Allwörden. “For this, we collaborated closely with a peer group of filmmakers, camera operators and content creators. The outcome is EW-DP, which I like to call a UHF system with 2.4 GHz simplicity.”

Notably, EW-DP is the first portable wireless system that has magnetically stackable receivers with a user-facing OLED display and ergonomically designed controls.

Thanks to EW-DP’s automated frequency coordination, videographers can get up and running quickly: The receiver finds a free frequency (which can also be initiated via the Smart Assist app), then the transmitter is simply synced via Bluetooth.

Never caught off guard with Smart Notifications

EW-DP requires little RF or audio knowledge – if any issues should occur, the system will guide users with Smart Notifications that give tips for

troubleshooting and show them where to fix a problem. The system sends alerts for audio clipping, low battery, occupied frequencies, muted transmitters, and unlinked devices – and all come with a suggestion of how to quickly solve the issue. “This guidance makes all the difference when audio isn’t your only responsibility on set,” comments von Allwörden.

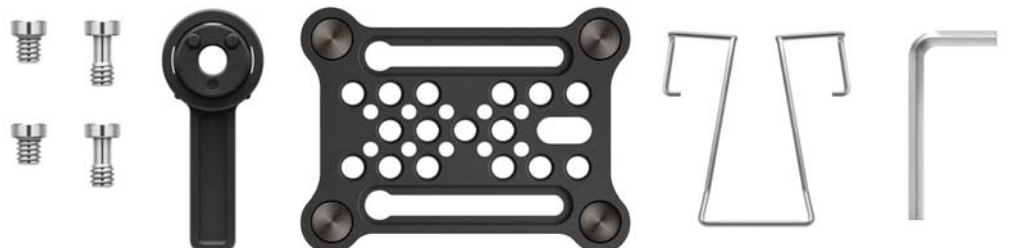
Various powering options for long location shoots

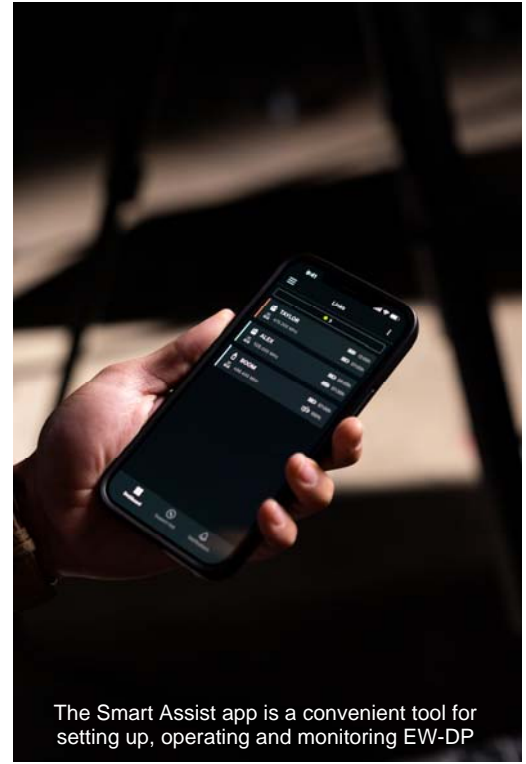
The EW-DP receiver can be powered by a BA 70 lithium-ion rechargeable battery, two standard AA batteries, or via USB by a power bank, for example. Added to the variety of powering options is an exact read-out of battery runtime in hours and minutes to avoid surprises. Battery life is up to 12 hrs on the transmitters, and up to 7 hours on the receiver with the included BA 70 rechargeable battery.

EW-DP’s magnetic plate allows filmmakers to simply (and securely) stack multiple receivers. Alternatively, the plate can be used with the provided clip to wear the receiver on the belt or attach it to the sound bag

Control via receiver or Smart Assist app

Automated set-up, operation and monitoring can also happen at a distance from the camera receiver – conveniently via Bluetooth using the Smart Assist app on nearly any iOS or Android device. In the app, auto frequency coordination creates reliable





The Smart Assist app is a convenient tool for setting up, operating and monitoring EW-DP

wireless connections for up to 16 systems on set, no wireless expertise required. Videographers can quickly and discreetly alter system settings across the room, and remotely override an accidentally activated mute button on the transmitter. The app also includes a support hub with video tutorials and detailed manuals.

Upcoming: A very special plug-on transmitter

There's more to come: In October, a plug-on transmitter will be added to the series. With +48V phantom power on board, the EW-DP SKP will be able to turn any wired XLR microphone into wireless, such as an MKH 416 on a boom pole. In addition, the plug-on transmitter features a locking 3.5 mm mic input for lavaliers – making it a versatile tool that can act as a real problem solver.

“In our conversations with the peer group, many expressed the wish to have some sort of safety net for their audio,” shares von Allwörden. “So we fitted the plug-on with a micro SD card slot for 24-bit, 48 kHz on-board recording.”

The plug-on transmitter will be part of the EW-DP ENG SET, which will include the receiver, a bodypack transmitter, the ME 2 lavalier mic and the SKP plug-on transmitter.



A versatile tool: The SKP can be connected to dynamic and condenser microphones as well as lavalier mics with a 3.5 mm connector. Thanks to on-board recording, videographers have the option of having a safety copy of their audio on a micro SD card. Available from October 2023



Click the link to find more information at

www.sennheiser.com

www.sennheiser-hearing.com

Elation Fuze Wash 500™



Elation Professional is pleased to be expanding its Fuze Series with the full-color-spectrum Fuze Wash 500™, a compact yet powerful LED Fresnel moving head fixture with zoom designed for theater, television, events and a wide array of other precision lighting applications where a high-quality soft field of light is required. The Fuze Wash 500 is shipping now. The Fuze Wash 500 excels at producing the soft field light that designers require when highlighting performers or scenery on stage. The unit offers full-spectrum performance from a 92+ CRI engine that utilizes a 500W 5-color homogenized LED array of Red, Green, Blue, Mint, and Amber sources, the same color system found in the Fuze Profile™/Spot™ and Fuze MAX Profile™/Spot™ for a perfectly calibrated color match. The RGBMA engine, calibrated at a native color temperature of 6500 Kelvin, emits beautifully diffused saturates and soft-field pastels, including tunable white light. The carefully tuned LEDs ensure accurate color reproduction both to the eye and to the camera while delivering a powerful output of up to 17,000 lumens. It is powerful enough to use in all sizes of rigs and because it is remarkably silent, it can be utilized in any noise sensitive environment. The unit can adjust for light that shifts away from pure white towards green or magenta through a green/magenta shift adjustment and a virtual gel library. Virtual color correction from 2400K - 8500K plus CMY emulation give designers access to an impressive LED color array including beautiful mixed whites.

elationlighting.com



Obsidian NETRON RP2™

Obsidian Control Systems is pleased to offer the NETRON RP2™, an intelligent 2-way DMX power relay that serves as a protective device for lighting fixtures. The RP2 helps to increase efficiency by reducing power consumption, protecting sensitive equipment and prolonging the longevity of lighting systems. The unit is available and shipping from June 2023. The RP2 is configurable via an integrated OLED display and encoder with real-time status and power consumption feedback. It features optional smart power sequencing and DMX traffic detection to allow complete automation of fixture power based on DMX status. Simply turn the console on or off, and the system will follow along. An internal clock allows for independent standalone operation or automate the power outputs to specific days and times. For example, a system could be turned off every day at midnight to avoid excessive power usage. Two independent power outputs are controlled by high-current dual pole relays, ensuring complete removal of power from the circuit. The RP2 has the capability to monitor power consumption of each output on its display, and also records the peak power consumption of the ports. This information can be viewed on the display or remotely monitored through RDM protocol. Additionally, it also provides diagnostic data such as actual, highest, and lowest voltage received.

obsidiancontrol.com





Avolites T3 Mobile



Avolites, a world leader in the innovation of visual control systems, has today announced its new T3 and T3-Wing professional lighting controller solution, designed and built as the lightest, smallest footprint, most affordable and exciting design look in the Avolites product range. The T3 is the leading product in the newly named, PC powered, T- Series, comprising of the existing T1, T2, and now with the addition of the new T3 and T3-Wing. Taking design cues from Avolites' Diamond 9 flagship console, its ergonomic design requires less muscle memory to operate, as well as having a lower height profile and being 20% lighter yet still as robust as its iconic predecessor. Connect and power the T3 or T3-Wing via the USB-C port and use the four robust DMX ports and an LTC port to hook up the system to your full rig. Output up to 16 DMX universes from the host PC via Art-Net and sACN, with the option to upgrade to 32 or 64 universes if required. The T3 key features include 3 x Optical encoder wheels, 9 New Titan keys to match D9 layout, 10 playback faders, 12 Macro/Executor buttons, 20 C&K flash buttons with custom cap, 92 Cherry MX Low Profile keys with blue backlit illumination and AVOKey security built in.

t3.avolites.com

Anolis Eminere MC / Eminere



The full Eminere range is now available with new optics, and as either multichip (MC) or single chip light sources, a feature highlighted for the first time at Prolight 2023. Anolis' Eminere® range builds on the success of the original ArcLine™ Outdoor fixtures, offering precision optics and available in four sizes and models, so perfect for a wide range of exterior and interior applications like flood lighting, wall grazing or washing and general accent lighting. Built to exacting standards, these linear fixtures are tough enough to withstand extreme environments whilst



producing beautiful colours from the RGBW, RGBA or PureWhite LED chips. This development will allow clients to light an entire project using Anolis multichip fixtures – from across every range – with all the benefits of their ultimate colour mixing characteristics. Eminere® Inground 1 / 2 / 4 is a robust luminaire designed specifically for installation into the ground! A stainless steel installation sleeve provides rust protection and “armour” for the fixture itself, and the fixture is available in three size with standard or anti-skid glass.

anolis.com

ADJ Element H IP



Following the success of ADJ's Mirage Q6 IP wireless LED uplighting fixture, the company is pleased to announce the expansion of its range with the new Element H IP. Offering many of the same features as the Mirage Q6 – including a custom road case with inbuilt charging – the new Element H IP features 6-in-1 color mixing LEDs and comes in at a lower price point that will be attractive

to many mobile entertainment and event production companies. The Element H IP is supplied in sets of six, together with a UCIR24 remote control and durable flight case with on-board battery charging, as the Element H6 Pak. Each Element H IP luminaire features four 20-Watt hex color LEDs, which each combine red, green, blue, amber, white and UV elements that can be dimmed independently. A powerful 4000mAh lithium-ion battery is incorporated within each Element H IP unit. This will deliver approximately six hours of standard operation (normal mode) or up to 12 hours using the 'Saver' energy saving mode. Each Element H IP fixture is also equipped with an ADJ's WiFLY EXR wireless DMX transceiver. This allows the unit to both receive and transmit a DMX control signal wirelessly from/to other compatible ADJ WiFLY transmitters and fixtures.

adj.com

- ELEMENT H6 PAK INCLUDES:**
- 6X ELEMENT H IP FIXTURES
(BLACK FIXTURES)
 - ELEMENT H6 FC
(CHARGING FLIGHT CASE)
 - UCIR24 REMOTE
 - AC CHARGING CABLE



ADJ Encore Profile Mini Color and Mini WW



ENCORE PROFILE MINI WW



ENCORE PROFILE MINI COLOR



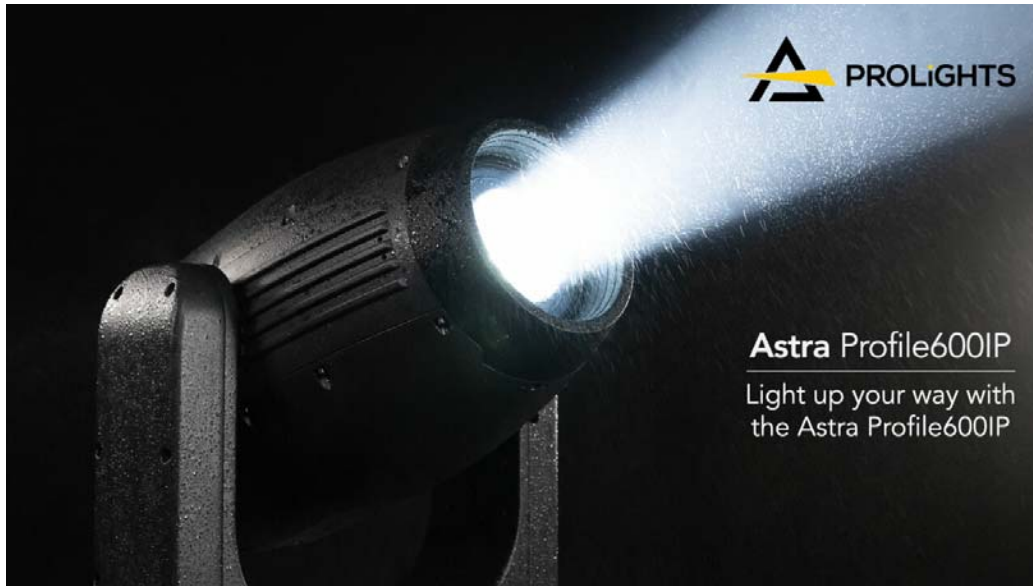
ADJ has expanded its portfolio of theatrical lighting fixtures with two new compact and versatile LED-powered ellipsoidal luminaires: the Encore Profile Mini Color and Encore Profile Mini WW. Both fixtures are mini but mighty, designed to offer powerful lighting capabilities in a compact size, making them ideal for a wide range of applications where space is limited.

- Encore Profile Mini WW features a potent 40W warm white LED engine with a 50,000-hour average life expectancy and 3000K color temperature. Its light is focused through precision-engineered optics to deliver a crystal-clear output with an even field and extremely high CRI of >98. This makes it ideal for illuminating performers on stage as well as scenic elements, both in a theatrical setting and for other applications such as theme park attractions and retail displays. High CRI lighting ensures realistic depiction of color as well as enhanced depth, which means that all skin tones appear natural on stage and that scenic elements look realistic.
- Encore Profile Mini Color features a versatile color mixing LED engine comprised of 16 x 3.5W RGBWAL (red / green / blue / white / amber / lime) LEDs that also offer a 50,000-hour average life expectancy. By varying the intensity of the six LED types, an extremely wide color palette can be achieved, ranging from vibrant and bold primaries to soft and subtle pastels. The LED engine can also generate white light with color temperatures varying from 2700K up to 7000K and a good CRI of >86. In addition to full RGBWAL color mixing, the fixture also features a dedicated Dynamic White DMX channel to allow simple selection of any desired color temperature of white light.

adj.com



PROLIGHTS Astra Profile600IP



PROLIGHTS has just released the Astra Profile600IP, a bright, IP65-rated LED moving profile. The unit is designed for large-scale touring and exterior installations. The Astra Profile600IP offers an outstanding performance that utilises a 600W white LED engine, reaching 21,000 lumens whilst achieving a flat field beam projection. Its optical system moves linearly from 7° to 62°. This fixture has a CMY colour mixing system that delivers beautiful, saturated colours, linear CTO correction from 2,700K to 5,600K and a colour wheel with six colour filters plus a 5,600K high CRI filter. Lastly, the Astra Profile600IP includes 4-layer motorised framing shutters, an animation wheel, a rotating gobo wheel, one frost filter, a 4-facet prism and an iris.

prolights.it

ArKaos VS4 media server



The impressive 'industrial strength' design and build of VS4, complete with custom rock-solid motherboard and a blisteringly fast graphics engine, offers 4 x 4K outputs (or 16 x HD) and runs on Windows 11. As you would expect from ArKaos, VS4 is a feature-packed, intuitive and fun to use visual tool as well as a cost-efficient 19-inch rack mounting solution for all scenarios requiring full control over a range of media inputs. Running seamlessly with the latest ArKaos MediaMaster software, VS4 interfaces and works harmoniously with any lighting console, and is targeted at high end television studios, streaming facilities and broadcast scenarios. With this exceptionally rugged engineering, it is also ideal for hardcore production, touring and rental markets. Two interface screens enable monitoring, there is full USB connectivity on the front via two robust ports and a Neutrik PowerCON for power. With up to 16 x HD screens running from one VS4, devices can also be networked together for controlling even more screens. The screens can be remotely locked thanks to EDID compatibility, while the front panel LEDs can be programmed to display different colours to indicate status or assist with fault finding. Being a fully modular system, VS4 units can be built up as required by adding input cards. The basic version comes with power and output cards allowing users to tailor precisely to their needs and also utilise their budgets efficiently.

arkaos.com



DECO VINTAGE SCOOP Q32



Designed with a traditional vintage look, the DECO Vintage Scoop Q32 features a 32W RGBWW LED. This lightweight fixture is designed with a reflective gold finish that enhances the depth effect on the saturated colors. The 2475K warm white creates a nice warm sunset effect, ideal for theatrical and studio utilization. Using the double mounting yoke, the unit can be grouped vertically with others to create a grid. This ladder mounting capability is practical and can simplify the ability to create elaborate set ups, allowing this fixture to be used in small to large productions. If desired it can also be placed on a stand and be used individually. As part of the DECO series, this unit uses Voltage over Ethernet and it is designed to provide versatility with simplicity by being able to connect to a number of DECO Drivers for power and control. Integrate your next project with the Deco Vintage Scoop Q32!

mega.lighting



MEGA-LITE EB1

The EB1 features 1 X Appotronics 200W LED that offers a large aperture and one 4 bi-directional colors (+open) that can produce bright colorful combinations. The 10 beam angle creates piercing projections, ideal for mid to large applications. In addition, the moving head provides 48 SMD 3535 LEDs on the outer FX ring. The RGB halo has 16 RGB segments of control that add a unique bright halo effect. The segments can be broken up or used in unison to create a smooth gradient look. With a compact and lightweight design, the EB1 offers multiple features that allow lighting designers to expand their creativity. It includes 12 fixed + open static gobos and an 8-facet indexing prism that further enhances the beam and gobo effects. In addition, it has a 0.3-20 per second strobe, one frost filter, and linear focus to create a soft or sharp projection. The EB1 is the fixture you need in your lighting tool chest.

mega.lighting





Lightware DA4-HDMI20-C



HDMI Distribution Amplifier with down-scaling and HDCP 2.3 Support DA4-HDMI20-C is a distribution amplifier with built-in EDID Management and Pixel Accurate Reclocking, supporting DVI, HDMI 1.4, and HDMI 2.0 signals with or without HDCP encryption. The output signal is reclocked and stabilized to remove jitter caused by long cables or poor quality sources.

Highlighted features:

- Automatic down-conversion on the output from 4k to 1080p if required by the connected HDMI display
- Advanced EDID Management
- CEC support (pass-through)
- HDMI 2.0 signal support
- Input cable equalization
- Compact size

lightware.com

Lightware new security feature with Taurus UCX Firmware 2.1



Lightware can announce that their developers in-house upgraded the former firmware of our flagship device Taurus UCX and MMX2, and it is already published. Lightware Visual Engineering has released firmware with the support of Port Based Network Access Control implemented by the 802.1X authentication protocol, which gives the Taurus UCX and MMX2 access to the protected network after successful authentication using EAP-MD5 or EAP-TLS. In 802.1X protocol UCX or MMX2 as a Supplicant is usually involving two other parties for network access: authenticator (network switch) and an authentication server (e.g. RADIUS). Before the device is permitted on the network, port communication is restricted to Extensible Authentication Protocol over LAN (EAPOL) traffic. If the device passes through the whole process, then the authentication server notifies the switch, allowing the client to access the LAN. Taurus UCX and MMX2 can preserve device configuration after the firmware upgrade from v2.1 and above, including the 802.1x certificates for successful authentication. For security reasons sensitive data (e. g. passwords or certificates) are not included in the Taurus UCX / MMX2 configuration backup. Another significant change was the hardening of the password change functionality by enforcing to enter the old password. Furthermore, the LARA v1.1.5 has been integrated into Taurus UCX Firmware v2.1.

lightware.com



MEGA-LITE OUTERBOT WASH 340



The Outerbot Wash 340 is equipped with three lighting elements. First is the pixel wash that can zoom creating a multi-color wash effect. The second element is a Moonflower effect, and the third is an RGB Halo. Combining these elements creates a unique tool for your lighting arsenal. This unit is IP65-rated, adding a level of dust and water protection and making it suitable for any of your outdoor needs.

LIGHT SOURCE: 60W RGBW (1 CENTER LED)

LIGHT SOURCE: 68W RGB SMD (1 OUTER RING LED)

LIGHT SOURCE: SEVEN 40W RGBW (7 OUTER LEDS)

PAN: 540° (16-BIT, 3 PHASE STEPPER MOTOR)

TILT: 220° 16-BIT, 3 PHASE STEPPER MOTOR)

PRISM: BI-DIRECTIONAL, SPEED CONTROL [ONE CENTER LED]

CONTROL PROTOCOLS: DMX 512, ARTNET, sACN

IP RATING: 65

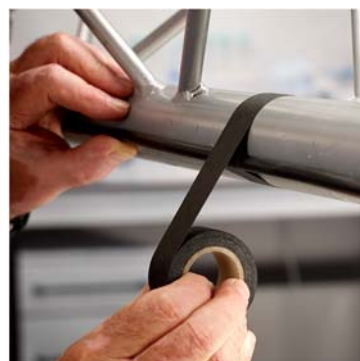
mega.lighting



Le Mark Paper-Tak

Le Mark Group, the leading provider of tapes and labels to the entertainment production industry, has introduced an important new solution to limit the everyday impact of productions on the environment. Their new product, Paper-Tak, is a tough, self-adhesive, PVC-free tape which is an alternative to the hundreds of thousands of pieces of PVC tape commonly used for colour-coding, cable-coiling, identification, spiking and countless other on-site production tasks. Made using 70% recycled paper, a core of 100% recycled cardboard and with recyclable packaging, Paper-Tak provides a viable solution for companies working in production who are serious about minimising the environmental impact of their activities. With a quick-stick, multi-surface, natural rubber-based, pressure-sensitive adhesive, Paper-Tak's crepe paper surface is easy to tear and easy to write on, with a pen and pencil receptive surface, offering a usable solution for the vast majority of applications. Paper-Tak is currently available in packs of six rolls (Red, Green, Blue, Yellow, Black and White), and in roll lengths of 10m, 25m or 50m, on a 32mm core. It also offers distinct advantages in size and weight over PVC tapes: a 50m roll of Paper-Tak is about the same size as a 33m PVC roll, and 20% lighter. Paper-Tak is available in standard widths of 19mm, 24mm and 48mm.

lemark.co.uk



The Virtual Production Revolution

Written By Lee Baldock

Pt. 4 - Future Output

Professional services network Deloitte has predicted that the market for virtual production tools will grow to US\$2.2 billion (£1.78 billion) in 2023 – an increase of 20% from the US\$1.8 billion (£1.45 billion) estimated for last year.

Digital technological revolutions can take time to become mainstream. There is often an element of resistance, a lingering purist devotion to the old methods (which were themselves new methods once!). However, as the production of content for streaming services becomes ever more competitive, the economies offered by virtual production are seeing its rapid adoption. As Deloitte terms it, virtual production is moving on from ‘early adoption’ to ‘early majority’. As we look to the future, there’s little doubt that virtual production is where the smart money is.

“There are already over 120 virtual production-equipped studios worldwide and that skills base – along with the refinements to the technology and the production processes – is advancing very rapidly indeed.”

Among audiences, there may be the attitude that virtual production is ‘OK for sci-fi’ – or you might hear dismissive associations with low-brow blockbuster output. But that would be a mistake: it would suggest that audiences can tell the difference.

As some significant demos have already proved (for a great example, check out the Quite Brilliant film made by Satore Studio), virtual production techniques are suitable for a surprisingly broad range of output. You will have witnessed it without knowing. Granted, like any new tool, virtual production needs to be used properly and where



Image © Quite Brilliant

appropriate – and the knowledge, experience and processes required to underpin this needs to mature.

Skilling up will take time. The creation of new roles and processes will initially put skills and experience at a premium. But this is not just something that may be on the horizon: it’s already happening. There are already over 120 virtual production-equipped studios worldwide and that skills base – along with the refinements to the technology and the production processes – is advancing very rapidly indeed.

There are technological advances in progress too. Calibration between elements is becoming faster and more accurate. Image processing methodology and workflow is improving to create ever-more photorealistic digital environments, and these capabilities are being built into tools by manufacturers such as disguise, which streamline the process.

The LED screens and cameras too are being transformed to change the way they emit and collect colour, offering even greater consistency – and therefore bringing even more realism – to the end result.

The advantages in preplanning and repeatability, the savings in time and cost, the improvement in performance, the heightened levels of creative control and the environmental benefit – not to mention the opportunities for remote working in an uncertain world – all will make this the undoubted future of filmmaking.

About the author

Lee Baldock has been involved in the live entertainment production industry since 1994 as a journalist, editor and public relations agent.

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Click on the link below to read the article online

www.lbpr.uk/blog/



AVL TIMES

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 Robe FOOTSIE1, FOOTSIE2, iPAINTE
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 Sennheiser EW-DP Series
 CHAUVET Ovation E-2 FC
 Ayrton Rivale Profile



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MAX LENOX DAN ANDREW COEDDE WARNAI PANGGUNG MT. JOY

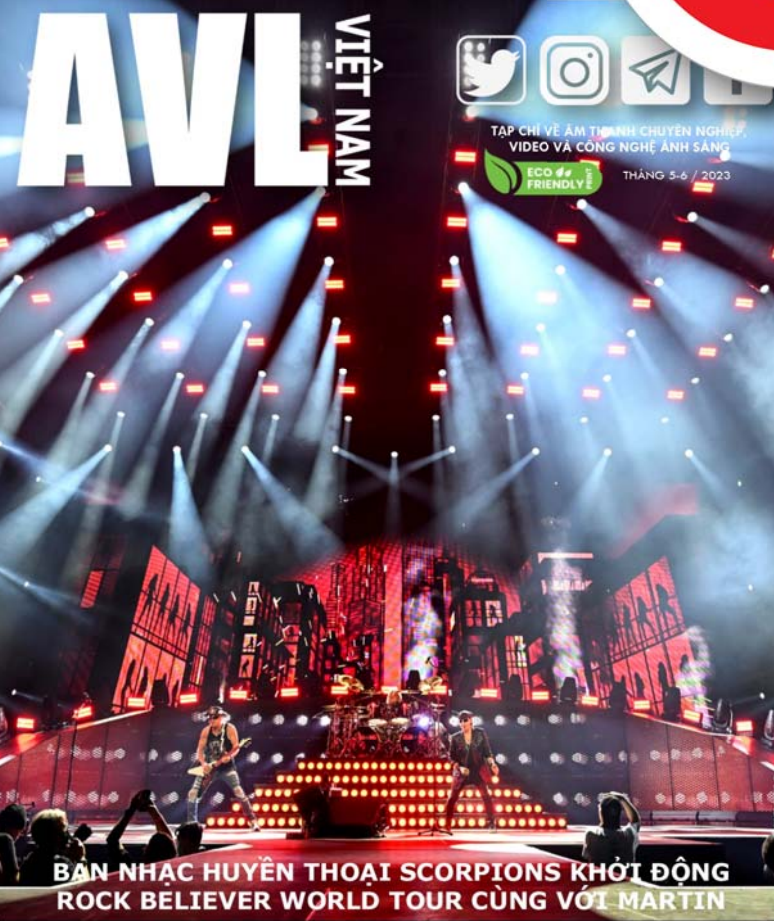
MCM1 DARI NEUMANN GUNCAANG PANGGUNG BESAR

AVL VIET NAM

TẠP CHÍ VỀ ÂM THANH CHUYÊN NGHIỆP, VIDEO VÀ CÔNG NGHỆ ANH SÁNG

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Robe iPAINTE, FOOTSIE1 & FOOTSIE2
 Ayrton Rivale Pro
 Elation Fuze Wash 500
 Obsidian NETRON RP2

Robe Goes For Gold
 GLP Flies High With Florence And The Machine
 Prolight + Sound 2023 Is Back On The Growth Track



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BOSS SECURITY & SAFETY TỐI CƯỜNG GẤP MẶT ĐỔI TÁC NĂM 2023

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