

CASE STUDY

EDUCATION



OPPORTUNITY

Van Lang University, one of Vietnam's oldest and most distinguished private schools, required a powerful yet easy-to-use AV, lighting and control solution for events in their concert hall.



SOLUTION

Ba Sao Investment outfitted Van Lang University's concert hall with an end-to-end HARMAN networked AV system with maximum flexibility and intuitive control for a wide range of events.



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VAN LANG UNIVERSITY, VIETNAM

Founded in 1995, Van Lang University is one of the first and most distinguished private universities in Vietnam. With three sprawling facilities across Ho Chi Minh City, Van Lang University offers an array of educational amenities, including an expansive technology center, a smart library and a world-class concert hall. In order to provide exceptional sound and lighting for events in their concert hall, Van Lang University hired Vietnam's premier AV distributor, Ba Sao Investment Co., Ltd. to install a powerful, easy-to-use AV solution. After surveying the location, Ba Sao Investment assembled a comprehensive HARMAN Professional Solutions networked AV system.

“Van Lang is one of the most prestigious universities in Vietnam, and they required a state-of-the-art AVLC solution to produce world-class events in their concert hall,” said Nguyen Huu Tuan, Sales Director, Ba Sao Investment Co. Ltd. “Aiming to provide the University with a user-friendly system, we selected a range of HARMAN Professional products for their unrivaled flexibility, intuitive controls and superior sound and light quality.”

Ba Sao Investment equipped the concert hall with a JBL VRX932LAP line array loudspeaker system and VRX918SP line array subwoofers for class-leading sound with brilliant highs and deep lows. JBL PRX815W floor monitors provide speakers and performers with clear, intelligible sound while on stage. Ba Sao also selected JBL LSR305 powered studio monitors for their detailed, accurate sound.

Chosen for its unrivaled sound quality and intuitive workflow, Ba Sao installed a Soundcraft Si Impact digital mixing console to provide front-of-house engineers with total control over the sound in the concert hall. A Soundcraft Mini Stagebox 32R and dbx dB12 direct boxes offer rugged, durable solutions for connecting equipment on stage.





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In order to capture exceptional sound for speakers and performers on stage, Ba Sao provided the University with AKG D5 professional dynamic vocal microphones and WMS470 D5 professional multichannel wireless microphone systems. AKG IVM 4 in-ear monitoring systems provide musicians, vocalists and presenters with crystal-clear sound while performing on stage. The system also utilized AKG antennas, power supplies and splitters.

Selected for their robust routing options and advanced signal processing capabilities, BSS BLU-100 signal processors and EX-8BV-BLK-EU Ethernet controllers provide the staff at the University with an intuitive interface for controlling sound and lighting in the concert hall.

In order to deliver dazzling lighting displays, Ba Sao equipped the concert hall with an array of Martin Professional lighting fixtures and a JEM ZR25 fog machine. A Martin M2PC lighting control surface enables staff to quickly create professional lighting displays.

“We wanted to install a modern AV system in our concert hall with enough flexibility to handle events of any size,” said Minh Tri, Operations Manager, Van Lang University. “We asked Ba Sao to design a future-proof AV and lighting system with effective communication and collaboration tools as well intuitive controls. Our new HARMAN AV system is easy for our staff and students to learn and operate, and provides us with everything we need to produce successful events.”

“Interactive learning styles demand sophisticated audio, visual, lighting and control solutions,” said Ramesh Jayaraman, VP & GM, HARMAN Professional Solutions, APAC. “We thank Ba Sao Investment for transforming the concert space at Van Lang University and for heightening the educational and artistic experience for students and guests alike.”





## PRODUCTS USED

**AKG D5 DYNAMIC VOCAL MICROPHONES**

**AKG WMS470 D5 WIRELESS MICROPHONE SYSTEMS**

**AKG IVM 4 IN-EAR MONITORS**

**BSS BLU-100 SIGNAL PROCESSORS**

**BSS EX-8BV-BLK-EU ETHERNET CONTROLLERS**

**DBX DB12 DIRECT BOXES**

**JBL VRX932LAP LINE ARRAY LOUDSPEAKERS**

**JBL VRX918SP LINE ARRAY SUBWOOFERS**

**JBL PRX815W FLOOR MONITORS**

**JBL LSR305 POWERED STUDIO MONITORS**

**MARTIN PROFESSIONAL LIGHTING FIXTURES**

**MARTIN JEM ZR25 FOG MACHINE**

**MARTIN M2PC LIGHTING CONTROL SURFACE**

**SOUNDCRAFT SI IMPACT DIGITAL MIXING CONSOLE**

**SOUNDCRAFT MINI STAGEBOX 32R**



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## ABOUT HARMAN

HARMAN (harman.com) designs and engineers connected products and solutions for automakers, consumers, and enterprises worldwide, including connected car systems, audio and visual products, enterprise automation solutions; and services supporting the Internet of Things. With leading brands including AKG®, Harman Kardon®, Infinity®, JBL®, Lexicon®, Mark Levinson® and Revel®, HARMAN is admired by audiophiles, musicians and the entertainment venues where they perform around the world. More than 50 million automobiles on the road today are equipped with HARMAN audio and connected car systems. Our software services power billions of mobile devices and systems that are connected, integrated and secure across all platforms, from work and home to car and mobile. HARMAN has a workforce of approximately 30,000 people across the Americas, Europe, and Asia. In March 2017, HARMAN became a wholly-owned subsidiary of Samsung Electronics Co., Ltd.



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