EDUCATION

OPPORTUNITY

Wanting to future-proof its in-classroom technology, CQUniversity needed state-of-the-art AV and control systems that provide students an engaging, multidimensional learning experience.

SOLUTION

Using AMX SVSI Networked media systems and NetLinx NX Controllers, Videopro installed a cutting-edge HARMAN Professional AV solution that further enhances its collaborative learning environment.

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It was essential for CQUniversity to bring content closer to students, and provide our IT team full visibility, execute remote configuration, track performance and troubleshoot issues remotely."
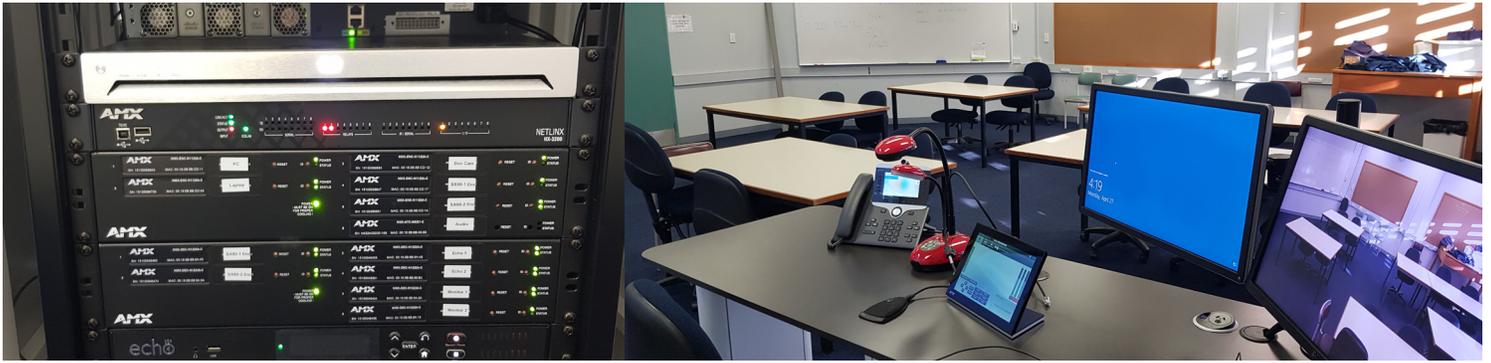
CQUNIVERSITY, AUSTRALIA

With campuses across 25 locations in Australia, CQUniversity offers undergraduate, postgraduate, short courses and certificates in engineering, information technology, business and visual arts, among others. As a pioneer in the field of collaborative learning, many of CQUniversity's campuses are home to multi-pod collaborative classrooms. Integrated with video conferencing facilities that enable high-definition audio and video connectivity, the classrooms allow students to connect with lecturers across CQU's network of campuses. CQU engaged Videopro to develop the next-generation AV platform for these critical teaching spaces.

"The university's new collaborative learning environment required a robust, integrated, networked AV system for content distribution within the classroom. A primary requirement was that the solution be able to provide application-level visibility, monitoring, and traffic control to the IT team," said Scott Maunsell, Account Manager and Programmer, Videopro. "We chose the AMX SVSi N1000 Series Conference Room Solution with the VLAN tagging feature. VLAN tagging allows for labelling packets of AV data with a specific VLAN number/ID, thereby allowing network administrators to regulate switches to allow or disallow traffic flow from one VLAN to other ports. This resulted in superior content distribution and enterprise-grade remote management of AV data from various VLANs across multiple campuses."

The AMX SVSi N1000 Series encoder/decoders were integrated with AMX NetLinx NX Controllers and Modero G5 Touch Panels. The N1000 Series provides highly flexible network customization features. It allows video and audio to be packetized into a standard IP format to distribute content via standard network infrastructure. The NetLinx NX Integrated Controllers provide secure machine-to-machine communication and automation, while the ultra-low-profile Modero G5 Touch Panels provide a fully customized, ultra-simple user interface for the teachers using these complex spaces.

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HARMAN
A SAMSUNG COMPANY

AKG   AMX   BSS   Crown   dbx   JBL PROFESSIONAL   lexicon   Martin   Soundcraft   STUDER

issues remotely. We wanted a simple-to-deploy digital media distribution and switching solution that has the ability to direct any source stream to any display," said Phil Greig, Teaching Space Technology Coordinator, CQUniversity. "We've been able to make significant strides in advancing our efforts to establish a flexible, functional, feature-rich AV system, and are extremely satisfied with the support and commitment from Videopro and HARMAN Professional Solutions."

"We are privileged to be associated with the prestigious CQUniversity," said Ramesh Jayaraman, VP & GM HARMAN Professional Solutions, APAC. "The deployment called for a highly progressive solution. We would like to thank Videopro for their tireless efforts in creating impactful learning and teaching experiences through the effective use of AV technologies."

PRODUCTS USED

AMX MODERO G5 TOUCH PANELS
AMX NETLINX NX CONTROLLERS
AMX SVSI N1000 SERIES ENCODERS
AMX SVSI N1000 SERIES DECODERS

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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.