

A photograph of a modern, multi-story building with a large, curved glass facade, likely a university building. The building is surrounded by greenery and trees. The text "University of Virginia" is overlaid in white on the image.

University of Virginia

DM® NVX was deployed because the University of Virginia needed a system that could change as fast as situations developed, and there isn't anything else on the market that is as flexible and dependable as Crestron DM NVX.

Introduction

The University of Virginia (UVA) is a public research university founded in 1819 by our late president, Thomas Jefferson, located in Charlottesville, VA. The university is known for its rich historical background and has become a home to over 22,000 students. UVA is not only one of the most renowned universities in the United States, but also plays a very important role in protecting the community during emergency situations and catastrophic events. With many Emergency Operation Centers (EOC) located throughout campus, the university takes pride in serving their students, the city of Charlottesville, and Albemarle County.

UVA is standardized on Crestron technology, and features a wide variety of innovative solutions throughout their academic buildings and conference rooms. In 2017, UVA's AV department was in search of a solution that could be used in classrooms on a day-to-day basis and provide reliable support to first responders during a crisis. Crestron's DigitalMedia™ NVX technology was selected, as it was the right solution for such a dynamic campus.





Challenge

If there ever is a crisis on campus, UVA opens its doors to first responders, government officials, law enforcement, the media, representatives from hospitals and health systems, and more. Before the DM NVX upgrade, the technology across campus featured many different systems that were pieced together over the years. Within the classrooms, there were runs of HDMI and VGA from the podium straight to projectors that were still being controlled by remotes. With the school serving as the primary emergency response center, it was imperative that the technology was quickly brought up to speed.

Solution

UVA standardized on Crestron DM NVX. It was the best option for the project because it would allow classrooms to operate individually while having the ability to stream content throughout the school instantaneously in the event of an emergency. It also needed to be easy-to-use, consistent, reliable, manageable, and provide high-quality audio and video at all times. During an emergency, school faculty can be relocated, and classrooms, conference rooms, and the auditorium are transformed into command centers for first responders and government officials.

Technology

Today, the campus is packed with technology that sits at the forefront of innovation. UVA and The AV Company worked hand-in-hand to deploy and program the DM NVX solution exactly the way they wanted, while utilizing UVA's existing 1Gb Network.

One reason DM NVX has proven to be a great solution for educational and corporate facilities is because of its ability to manage and control overflow. This is exactly how the University of Virginia is utilizing it to share content, and DM NVX Director™ to manage and control the entire system.



Results

DM NVX has helped transform UVA into a versatile environment for first responders, students, professors, and the community to teach, learn and collaborate. The new system has caught the attention of healthcare institutions all over the Charlottesville area and is being introduced to a number of locations all across campus. During an emergency, timing is everything, and with DM NVX there is, in fact, no latency at all. DM NVX not only speaks to UVA service technicians and makes supporting AV easy, but allows whoever enters the room the opportunity to easily configure the space to fit their needs.

Featured Products

- DigitalMedia™ 4K60 4:4:4 HDR Network AV Encoder/Decoder
DM-NVX-350
- DigitalMedia NVX Director™
DM-XIO-DIR-80
- Crestron Avia™ 12x8 Digital Signal Processor
DSP-1283
- 7" Touch Screen
TSW-760
- 3-Series Control System
CP3N
- 7"Room Scheduling Touch Screen
TSS-752



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