



Liberty University

INTRODUCTION

Liberty University is a private evangelical university founded in 1971 that is home to more than 115,000 residential and online students. Located in Lynchburg, Virginia, the university has over 7,000 acres dedicated to its campus. It supports a very active and engaged student body that features Division I athletic programs, over 100 student-run clubs, and multiple weekly student activities.



"CRESTRON HAS CONSTANTLY PROVEN ITSELF TO BE THE LEADING-EDGE, BEST, AND MOST-RELIABLE TECHNOLOGY, WHICH IS WHY WE KEEP COMING BACK AND INSTALLING THEIR SOLUTIONS."

Christopher Wilson
*IT Infrastructure and Media Ops,
Liberty University*



THE CHALLENGE

Due to the size of its campus, Liberty University is always looking for lasting solutions that provide reliability and do not need to be replaced often. Christopher Wilson and Jonathan Bennefield in the IT Infrastructure and Media Ops Department and Michael Gerring from the Broadcast – Engineering team came together to implement a steady technology backbone for the campus that they could build upon.

THE SOLUTION

For the past several years, Crestron DigitalMedia™ technology has been used consistently across campus enabling students and faculty to smoothly present and share content without interruptions. The Liberty Flames athletic teams are popular on campus, so when there was a need for an exciting way to drum up enthusiasm at these events, Crestron DM NVX® AV-over-IP technology was the perfect solution.

“WE HAVE BEEN A LEGACY CRESTRON CUSTOMER, SO WE ALWAYS TURN TO CRESTRON WHEN WE WANT TO INTEGRATE MORE TECHNOLOGY INTO OUR CAMPUS BECAUSE WE KNOW WE CAN RELY ON IT.”

Christopher Wilson
*IT Infrastructure and Media Ops,
Liberty University*

THE TECHNOLOGY

Liberty's football stadium has a large number of Crestron DM NVX endpoints used to control audio and video throughout the entire stadium. These large venues become crowded quickly during games, but students can always see the action on the large screen without missing a beat. The success of the football stadium drove the decision to bring DM NVX into the basketball arena.

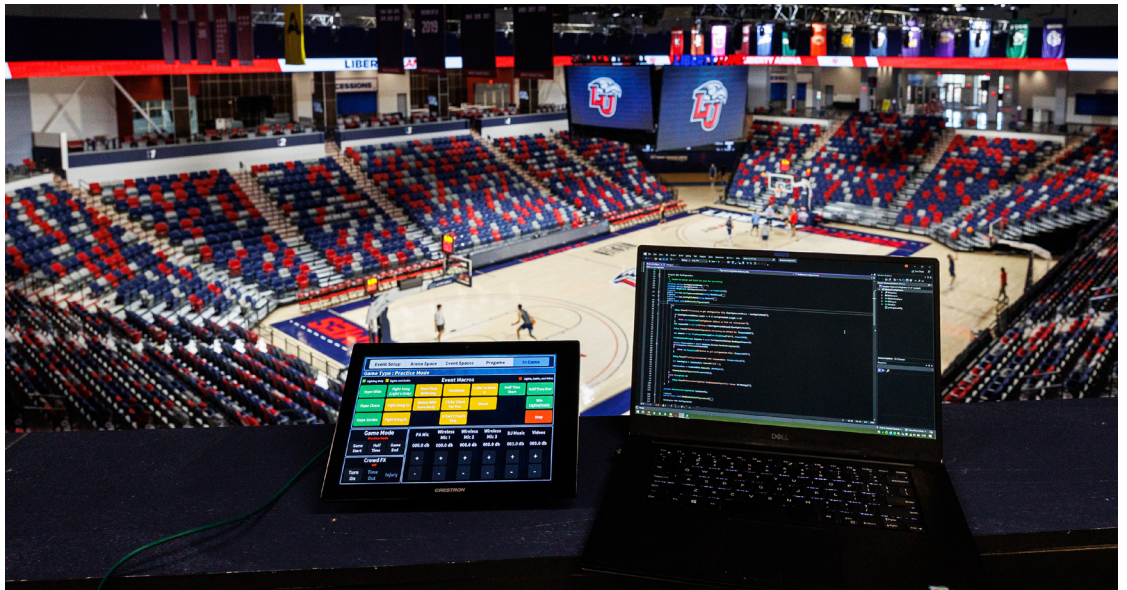
The new basketball arena has Crestron DM NVX solutions integrated with intelligent lighting, court projections, and audio playout systems. With young student workers helping to manage the technology at events, the interface and control needs to be as seamless as possible. Therefore, Liberty designed their own control interface on the Crestron touch screens to make it simple to find specific buttons even under the pressure of a live game.

Crestron DM NVX is consistently installed across the Liberty University campus to provide stability and reliability. The solution's flexibility and speed are extremely beneficial. A multicast signal is critical for a campus this size to guarantee that announcements are displayed for everyone to see.

Classrooms at Liberty University utilize Crestron technology for ease of use and collaboration among faculty and students. Crestron DigitalMedia™ Presentation Systems make connecting and presenting in the classroom effortless. With the simple touch of a button on the Crestron touch screens, any professor or student can present with complete confidence.

"CRESTRON DM NVX FIRMWARE IS ALWAYS IMPROVING TO STAY UP TO DATE WITH THE LATEST TRENDS, MAKING IT A BETTER PRODUCT TODAY THAN WHEN IT WAS ORIGINALLY PURCHASED."

Jonathan Bennefield
*IT Infrastructure and Media Ops,
Liberty University*



"THE BEST THING ABOUT DM NVX IS THERE IS ZERO LATENCY, AND NO ONE NOTICES THAT IT IS A STREAMING METHOD. WHEN THEY LOOK AT THE GAME ON THE FIELD OR THE COURT AND THEY LOOK AT THE TV, IT'S ALL IN SYNC, AND THE TVS ADJACENT TO EACH OTHER ARE ALSO IN SYNC."

Michael Gerring
*Broadcast – Engineering,
Liberty University*



RESULTS

Liberty University has been able to create exciting experiences for learning in the classroom and enjoying an unforgettable game-day experience with Crestron technology. "Crestron DigitalMedia provides us with a platform that is dependable across our campus and is versatile enough to support our students whether they are in the classroom or enjoying one of our athletics events," says Gerringer.

Featured Products

4-Series™ Control System
CP4N

DM NVX® 4K60 4:4:4 HDR Network AV Encoder/Decoder
DM-NVX-363

3-Series® 4K DigitalMedia™ Presentation System 150
DMPS3-4K-150-C

10.1 in. Wall Mount Touch Screen
TSW-1070

7 in. Wall Mount Touch Screen
TSW-770

Crestron Connect It™ Cable Caddy w/120V Outlet, No Cables
TT-100