



LIBERTY UNIVERSITY



Liberty University is one of the largest universities in the United States.

Having a reliable, dependable lecture capture system is vital to the success of the university and their students, both on-campus and online.

Before Cattura Video

Liberty University College of Osteopathic Medicine (LUCOM) initially used a telepresence system for their lecture capture. The system was set up over the network leading to multiple problems. Losses in video and audio quality were common, and the system often required troubleshooting. Additionally, LUCOM realized that their solution lacked some critical features.

These shortcomings diminished the quality of the recordings, as well as the school's potential to scale its lecture capture adoption. LUCOM had already stretched the system beyond its capabilities, and further stress on the system would only compound its difficulties.

“We leveraged recording from [the telepresence system], but since it was not built for lecture capture, we faced some shortcomings that impeded our ability to scale,” said Thomas Ellis, Liberty University’s Network Operations Team Lead. “Not having independent channel recordings, losing the flexibility of customizable media templates, no live monitoring, and the issue of dropped packets and jitter motivated us to get a purpose-built capture solution.”



- Previous Semester Usage surpassed in 2 months
- Multi-Perspective Video Recording
- Quick and Easy Setup Process
- Significant Drop in Failed Captures

The New Solution

After selecting Kaltura to provide a video management platform, LUCOM searched for a recording & streaming appliance that would boast a robust feature set. Cattura Video's CaptureCast recording unit was identified as a perfect solution to bridge the gap between LUCOM's VMS and their hosted content. Furthermore, Cattura provided a complete end-to-end video recording solution that addressed all of their needs and feature requests.

Cattura Video brought a new, feature-rich lecture capture solution to the medical school that met and exceeded their desires. While their previous solution offered the same automated and scheduled recordings as Cattura Video automated and scheduled recordings, the list of desired features including independent four-channel captures, PowerPoint slide detection with OCR tools, and Cattura's open REST API expanded and automated their abilities and brought long-requested features to the faculty.

"Having the added benefits of independent channel recordings and OCR, we were able to couple that with some additional player features provided by Kaltura to meet and exceed all of the outstanding feature requests from our medical school" Ellis said.

Setup & Reception

Cattura's dedicated support staff assisted LUCOM in quickly calibrating the new solution to perform at a high level. Any issues experienced in setup and calibration were addressed immediately to keep downtime to an absolute minimum.

"Our transition and setup was very smooth. We were up and running captures in a very short period of time," Ellis noted. "After switching over, the number of outages and incidents [with failed captures] we experienced decreased significantly."

Staff were impressed as well. Cattura's REST API allowed for Liberty staff to program in custom features such as system booking and management and integration with their Crestron room control systems allowing staff to start and stop captures in the classroom with the click of a button. "Where our previous year was filled with complaints and trying to resolve issues while not being able to meet feature demands, this year has been met with praise and accolades for our overhauled solution" Ellis states.

Most importantly, the student response to the new system was incredible. Spurred by a vast improvement in video and audio quality, coupled with additional features from CaptureCast, students consumed LUCOM's lecture capture content at a phenomenal rate.

Conclusion

After acknowledging the deficiencies of their previous lecture capture system, LUCOM moved to an integrated solution, including Cattura's CaptureCast Pro appliance and Kaltura's video management platform. The new solution solved quality and service issues, and satisfied many long-standing feature requests. Features included independent source capture, optical character recognition, and integration between an existing Crestron room control system and Cattura's REST API. Most importantly, students noticed the dramatic improvements, leading to more views in two months than the entire previous academic year.

In the College of Medicine's previous academic year, they counted a total of 36,000 content views. They **exceeded** that number within two months of launching the CaptureCast and Kaltura solution.

Liberty University opened in 1971 in Lynchburg, VA with 154 students. Since then, they have become the fifth largest university and the largest Christian university in the nation. The Liberty University College of Osteopathic Medicine (LUCOM) was dedicated in 2014, and is the 13th osteopathic school in the country. Liberty is committed to the osteopathic philosophy and heritage of serving the needs of its student-doctors, faculty, and patients today. LUCOM offers the Doctor of Osteopathic Medicine (D.O.) degree and will graduate their first class in May 2018.

About Cattura Video

Cattura Video is dedicated to delivering video recording and lecture capture solutions that go beyond just hardware. CaptureCast appliances deliver multi-source video capture of up to six HD recordings simultaneously, with automatic uploads to video management services, embedded metadata, individual source captures, simultaneous recording & streaming, and more. Cattura Video is currently used in top universities, enterprise companies, and government organizations. With our open design and "White Glove" AV services, Cattura Video delivers solutions that go beyond hardware. For more information, visit www.catturavideo.com.