

The University of Texas at San Antonio



SUMMARY

• LOCATION

San Antonio, TX

• FACILITY SCOPE

45 rooms over multiple phases with future phases planned; includes over 500 video endpoints.

• OBJECTIVES

Implement robust, synchronized video and audio transmission across 6-16 displays within each classroom as efficiently as possible.

• BIAMP SOLUTIONS

Tesira™
TesiraLUX™
Parlé™
Desono™

• OUTCOME

The ease of integrating TesiraLUX with the existing Tesira infrastructure, along with automated output synchronization and dynamic delay equalization, was what allowed the team to complete the installations on time.

• EQUIPMENT

- Tesira SERVER-IO
- TesiraLUX IDH-1
- TesiraLUX OH-1
- TesiraXEL 1200.1
- Desono ENT220
- Parlé TCM-X

Early in 2020, The University of Texas at San Antonio (UTSA) identified a need to support effective hybrid learning efforts. With a variety of classroom sizes and styles, the staff determined that both image quality and synchronization of a single input source across multiple displays were critical to delivering a high-quality classroom experience for students.

Additionally, the classrooms had to be UC platform-agnostic to support a bring your own device (BYOD) approach, ensuring whomever was teaching or presenting in the classroom would be successful.

Although UTSA had standardized on Biamp as their audio DSP several years ago, it was critical that the project be a success, so the university organized a shootout between a number of AV manufacturers. TesiraLUX was selected as the winner for its superior video quality and synchronization capabilities.



It's nice to use one piece of software for the entire AV system. No other AV over IP solution offers anything close to that.

JOE QUINTANILLA
AV Network Engineer

SOLUTION

The style and technology needs of each classroom varied significantly. The number of displays in each room ranged from 6 to 16, and the video and audio had to be synced across all of them. Many of the classrooms could also be used in an active or collaborative small group style, so the video stream delivery had to be flexible enough to support a number of scenarios. TesiraLUX supported UTSA's video needs across the board, and its ease of integration and synchronization with the system audio made the product decision that much simpler.

UTSA staff credits the training and support received from Biamp and other vendors as a significant factor in their success. "One thing I look at whenever we choose a vendor or manufacturer, is what the partnership looks like," said Joe Tobares, Director of Academic Technologies. "And our partnership with Biamp has been great since day one."



CONCLUSION

Deploying hundreds of TesiraLUX endpoints has gone very smoothly in various classrooms with automated lip sync across multiple displays. Using one software platform for both audio and video inside a single design file, coupled with Biamp's patented stream synchronization and dynamic delay equalization, significantly decreased the per-room installation time. Joe Quintanilla, AV Network Engineer, offered "it's been great knowing that at any time of day or night I can pick up the phone and call [Biamp] and get an answer immediately."



ABOUT BIAMP

Biamp® is a leading provider of innovative, networked media systems that power the world's most sophisticated audiovisual installations.

Recognized worldwide for delivering high-quality products and backing each one with a commitment to exceptional customer service, Biamp's mission is connecting people through extraordinary audiovisual experiences.

Founded in 1976, Biamp is headquartered in Beaverton, Oregon, with offices and manufacturing facilities located around the world.

CONTACT US

✉ biampinfo@biamp.com

☎ 800.826.1457

🌐 www.biamp.com