# CASE STUDY:

# EAST STROUDSBURG UNIVERSITY

## AT A GLANCE

### Project Highlights

- Upgraded ESU's Esports Room for professional livestreaming and global broadcasting
- Full AV and video production integration with real-time NDI video routing
- Multi-source video switching for gaming PCs, consoles, via Vizrt TriCaster
- Intuitive AV/NDI control via Crestron wall/tabletop touch panels or TriCaster interface
- End-user and ESport Coach training was provided by AVT staff

### Key Products

- Vizrt TriCaster & Control Surface
- BirdDog FLEX NDI Encoders & Decoders
- BirdDog PTZ Cameras
- JBL Wall Mounted Speakers
- Shure Announcer /Coach Microphone
- Crestron Control System

We have been using AVT for over 10 years and it's always a pleasure to work with them and would continue to recommend their AV Services. The new space allows for ESU ESports to livestream competitors and broadcast to a global audience.

**Robert Smith**
Chief Information and Technology Officer
East Stroudsburg University

## OBJECTIVES

ESU required a fully integrated AV system that could enable live streaming and high-quality broadcasts of ESports competitions, provide real-time video feeds from both gaming PCs and consoles. ESU staff delivers content via the easy to operate production system and delivers professional content to better serve students and faculty at ESU.

## SOLUTIONS

Applied Video Technology (AVT) collaborated with ESU's Campus Recreation & Wellness staff and the IT Department to transform an old racquetball and squash court into a fully functional ESU branded ESports environment.

- **Video & Production:** TriCaster with control surface for multi-source video switching; BirdDog NDI encoders & decoders for real-time routing from gaming PCs, consoles, and mobile devices
- **Control:** Crestron wall and tabletop touch panels plus NDI Toolbox via the TriCaster interface for on-the-fly live switching
- **Audio:** JBL Surface-mount speakers, in room audio reinforcement with Shure microphones and BiAmp audio processing
- **Integration:** Compatible with owner-provided gaming PCs, consoles, monitors, and network equipment. AVT integrated a equipment rack to blend the hybrid production and AV System
- **Training:** End-user training provided to ensure confident daily operation and event management

## RESULTS

- **Fully functional,** professional-grade ESports production environment
- **Real-time video** switching and graphics for broadcast
- **Intuitive system control** via Crestron touch panels or TriCaster interface
- **Reliable setup** for everyday use and major competitions

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