



K-12 CASE STUDY: GRISWOLD SCHOOLS



Griswold Public Schools
Educating for Excellence

Products Used:

- DEVOS Media Server
- Streamsie Encoders
- Spirit Desktop Encoder
- Digital Media Player

Benefits

- Enhanced learning through multimedia.
- Students get experience creating a video news program.
- Announcements and alerts easily shared on every screen in the school system.
- Major events like graduations, concerts, and plays can be viewed live on the Internet.

Background

The town of Griswold, Connecticut has one high school, one middle school, and one elementary school. All of these schools are connected through a high-speed fiber-based network. However, **their old analog video distribution system was decaying and needed to be replaced with a modern digital system.** DiscoverVideo provided a complete digital streaming video system for daily education and information dissemination.

Challenges

- **Video Morning Announcements:** Griswold schools wanted to provide daily video morning announcement newscast that would be available for viewing on TVs, computers, and mobile devices. Each school needed a studio for video production equipment (cameras, mics, green screens, etc). The morning announcements would be streamed live and recorded for on-demand viewing, to all of the classrooms within each school.
- **Digital Signage:** Griswold schools needed a system that could display news, live video, and other content on TVs located in lobbies, hallways, cafeterias, and media centers. Each TV would need to display scheduled content automatically. Each school would have the ability to place their own messaging on TVs within the school. The signage system had to be simple to use by the administration team at each school and compatible with Google Slides.
- **School Security:** The school system wanted to enhance their emergency alert system. It was looking for a system where a superintendent or principal could push a button and send a web page alert to all computers and mobile devices.
- **Video Distribution:** Griswold schools wanted to share key events like school concerts, sports events, open houses and graduations, live on the Internet.
- **TV Distribution:** Griswold schools needed to distribute six live TV channels to classrooms. The teachers would use their computers to select a channel and display it through a projector.

Solution

Griswold schools implemented the DiscoverVideo DEVOS media server along with the DV encoders. The encoders (software and hardware versions) are being used for:

- Streaming TV channels to classrooms.
- Encoding/recording video and audio from cameras and microphones in the TV studio for the school video news program distribution.
- Streaming major school events live on the Internet.

The DEVOS system has several functions:

- Delivering live streams from the encoders both internally and on the Internet.
- Distributing any recorded educational video internally and externally.
- Sending emergency notifications to classrooms.
- Delivering (news) digital signs to TV monitors throughout the schools.

The DEVOS media server accepts live streams from the StreamSic encoders and delivers them to classroom PCs, Macs, and mobile devices. It also holds all of the schools' educational videos. Teachers can access any video on a PC or Mac by opening their browser, searching, and selecting it on the DEVOS menu. The video can be played in its entirety or specific clips that are bookmarked. With permission, students can also play specific video titles on their devices.

Rave Review From Griswold

“Daily student engagement has grown tremendously since we started doing video morning announcements, as they “tune-in” to watch their friends on “the news,” as well as curated content. The experience they get as performers, technicians, reporters, and producers is priceless. The staff and I love the ease of use of the DEVOS system for curriculum and content delivery. The transition from the old analog system to digital streaming was very affordable and the installation was seamless. DiscoverVideo team is always quick to respond and resolve any issues. We have no idea how we managed without this upgrade!”

- Kyle Gunderman
Educational Technology Infrastructure Manager
Griswold Public Schools, Griswold, CT

Benefits

- Video is used more widely in the school to enhance the learning process.
- Students learn broadcasting techniques and how to create and deliver a live news webcast.
- The Video News program is seen by all of the students; parents can watch it at home on any viewing device.
- Teachers can use local education content or pull videos from YouTube and Vimeo through the DEVOS system.
- Each student and teacher receives high quality educational digital content on their computer or personal device.
- Specific video instructions can now be sent in emergencies to teachers and other school personnel.
- The latest school information is always available on wired or wireless networks.
- Each school can create and display digital signs on their TVs in lobbies, hallways, etc.
- Parents and extended family can watch school graduations, concerts, open houses, and other events live on the Internet.

Priority Alert Panic Button

