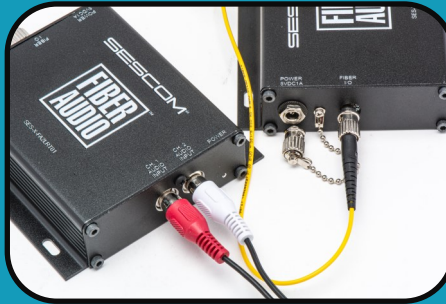


CASE STUDY: Audio Fiber Extenders

Simple Solution to Extend Audio Signals on the North Penn Television School Campus in Lansdale, PA



"In this digital world, this analog guy appreciates the simplicity of the Sescom fiber extender units to send high-quality audio quickly and easily from any of my locations back to our TV studio."

Overview

When the North Penn Television Campus of the North Penn School District, in Lansdale, PA, moved to a fully digital environment, they installed SMPTE stadium fiber connections to five different areas within the building to allow for multiple camera shots. In each location they also installed eight ST single-mode fiber to move other audio and video signals in addition to the camera feeds.

Challenge

They needed a simple digital audio solution to send back mixes, announcers, wild mics, etc. to the studio to complement camera feeds over the SMPTE connections.

Solution

The school purchased Sescom SES-X-FA2 audio fiber extenders to send two channels of audio over an ST fiber connection. The extender is powered by the included battery or power adapters, making it easy to deploy the devices where they are needed with no configuration, special software, or servers. These units can also send a mix from an audio console and provide a wild mic where needed.

For larger venues and sporting events, they required a return audio feed and installed the Sescom SES-X-FA2LXBT01 audio fiber extender. This extender provides two channels of audio and two channels of return audio for their play-by-play and color commentary feeds with a simple ST connection on the unit back to the studio over single-mode fiber. Again, no configuration necessary, it works out of the box.

The North Penn Television crew reports that the robust enclosures handle the abuse of remote production and that the units continue to be reliable workhorses for sending audio over fiber throughout their infrastructure.

According to Bob Gillmer, Coordinator of Communications Media for the North Penn School District, "In this digital world, this analog guy appreciates the simplicity of these units to send high-quality audio quickly and easily from any of my locations back to our TV studio. These units complement the easy connections of our Complex SMPTE and our Complex HD-SDI video transceivers and receivers. In concert these tools allow us to leverage the fiber in our building for crisp clear audio and video."