

ST. AUGUSTINE'S CHURCH

Integrating Sound and Worship

A Community Case Study - June 2013

About The Facility



Founded in 1832, St. Augustine's Catholic Church in Minster, Ohio, built its first building, a log structure, in 1835. The brick church building, built in 1848, has gone through several significant renovations including replacement of the original, single tower with twin Gothic towers in 1874, installation of stained glass windows in 1878 and the addition of seven ceiling murals, painted by Joseph Vittur, in 1866.

The Sound System

St. Augustine's beautiful interior is highly reverberant which is well suited for its pipe organ and 78-voice choir. However, the church's acoustics have always been a challenge for voice intelligibility and the church has been unwilling to apply acoustic treatment that might detract from its attractive architecture and numerous murals.

To solve their intelligibility problem without adding acoustic treatment, St. Augustine's chose to install a new sound reinforcement system in 2012 using Community's ENTASYS 200 Column Array Loudspeakers and dSPEC Loudspeaker Processor.

With its narrow vertical and wide horizontal dispersion pattern, ENTASYS promised to keep sound away from the church's hard ceiling and floor while providing smooth, even coverage for the congregation.

As installed, the system includes two pairs of ENTASYS 212s for the main sanctuary supplemented by a pair of ENTASYS 203s for the very front rows. Another pair of ENTASYS 203s covers the front, chancel area and a third pair of ENTASYS 203s covers the balcony where the choir is located.



ENTASYS 212 and 203 Loudspeakers
at the front of the sanctuary

Sound System (CONTINUED)

A Community dSPEC Loudspeaker Processor provides equalization for the loudspeakers and delays the second pair of ENTASYS in the sanctuary to synchronize their sound with the first pair.

The church replaced older lavalier microphones with new headworn wireless systems and powered the main system with Ashly amplifiers. They were able to utilize an existing mixer and 70-volt amplifier to help keep the cost within budget requirements.

The new system provides intelligible speech throughout the sanctuary, even under the balcony where many had complained about not understanding the priest and the lector. The system was professionally installed and equalized so that it sounds very natural and the sound seems to come from the person speaking, not the loudspeakers.



One of two ENTASYS 203 Loudspeakers covering the balcony

Equipment Highlights

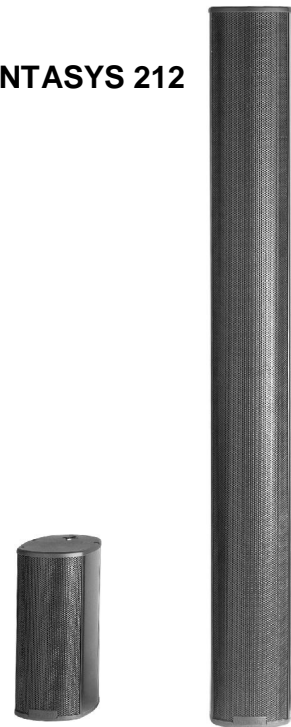
- 4 Community ENTASYS 212 Column Arrays
- 6 Community ENTASYS 203 Column Arrays
- 1 Community dSPEC Loudspeaker Processor
- Audio-Technica headworn wireless mic systems
- Ashly power amplifiers

The Loudspeakers

ENTASYS 200 is a versatile family of attractive, affordable and easy-to-install two-way column array loudspeakers for indoor and outdoor use. ENTASYS 200 redefines performance for small format column array loudspeakers by utilizing two-way, complex frequency shaded LF crossover networks, and the proprietary "ENTASYS" convex-curve HF to provide unrivaled intelligibility, output, and consistent beamwidth up to 16 kHz.

ENTASYS 212

ENTASYS 203



Download our comprehensive ENTASYS 200 Brochure or individual ENTASYS Spec Sheets from www.communitypro.com.

Community has been a leading supplier of professional loudspeaker systems since 1968. Headquartered in Chester, Pennsylvania, Community distributes its products to over fifty countries on six continents.

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