

# First Christian Church

## First Christian Church Offers Customized Worship Experience for Multiple Venues Using Harris Broadcast Solution



### Customer Profile

Founded more than 100 years ago, the First Christian Church of Huntington Beach, California, offers a variety of weekend worship services, ranging from the smaller, traditional service to a more contemporary worship experience with engaging content in multiple formats. On a typical weekend, the church hosts approximately 3,000 congregants.

### Business Challenge

First Christian Church sought to revitalize its ministry and accommodate increasing attendance. In the same location for more than 100 years, the church had considered relocating, but with the cost of real estate in Southern California, a move to a new location wasn't feasible. Therefore, the church determined that it could expand on its current campus. A plan was made to modernize the sanctuary (built in 1981), retrofit and expand existing areas and construct two new buildings for youth ministry.

To complement the structural upgrades, First Christian Church also wanted to implement a campus-wide internal AV and distribution system, with a 1500-square ft. central control room and distribution infrastructure to the new buildings. The church sought to create custom worship experiences via simultaneous services in multiple campus venues by way of video.

Systems integrator Mankin Media was chosen to integrate broadcast technology to support high-quality HD video production and distribution across the 17-acre campus, with a central master control suite of adjacent control rooms linked to the church's venues. All of the church's legacy gear was SD, so the upgrade was to create a holistic HD infrastructure with both live and pre-produced material.

### CASE STUDY SNAPSHOT

#### Customer

- First Christian Church – Huntington Beach, California – U.S.

#### Industry

- House of Worship

#### Business Challenge

- Implement a campus-wide AV system for use in Sunday worship services and special events, with the ability to "broadcast" customized HD content to multiple venues across a 17-acre campus.

#### Technology Solution

- Platinum™ routers, Harris HView™ multiviewers, Inscribe® G-Series™ graphics system, NEXIO® servers, NUCLEUS™ control, NEO® and 6800+™ signal processing, Videotek® test and measurement

#### Business Value

- Cross-campus integrated workflow accommodates larger audiences cost-effectively.
- Integrated router/multiviewer solution delivers seamless content distribution and efficient monitoring.
- Broadcast-quality graphics, creative freedom enable custom worship experience for each venue.



## Technology Solution

First Christian Church has integrated broadcast technologies to support high-quality HD video production and distribution — even though they aren't actually "broadcasting" their services.

Mankin Media was commissioned for a variety of system design, integration and commissioning services, as well as equipment procurement for the build-out of two control rooms, a machine room and four venues in both new and existing spaces. The two control rooms manage the two live venues. The other two venues that aren't live receive a feed from one of the two live venues.

The Harris system is playing the role of an internal AV and distribution system as opposed to external broadcast. The integrated workflow comprises a central Platinum router, which distributes all the signals over single-mode fiber to the different venues. Integrated into the router are Harris multiviewers, which deliver multi-image displays for both control rooms. Several NUCLEUS control panels control both the router and multiviewers.

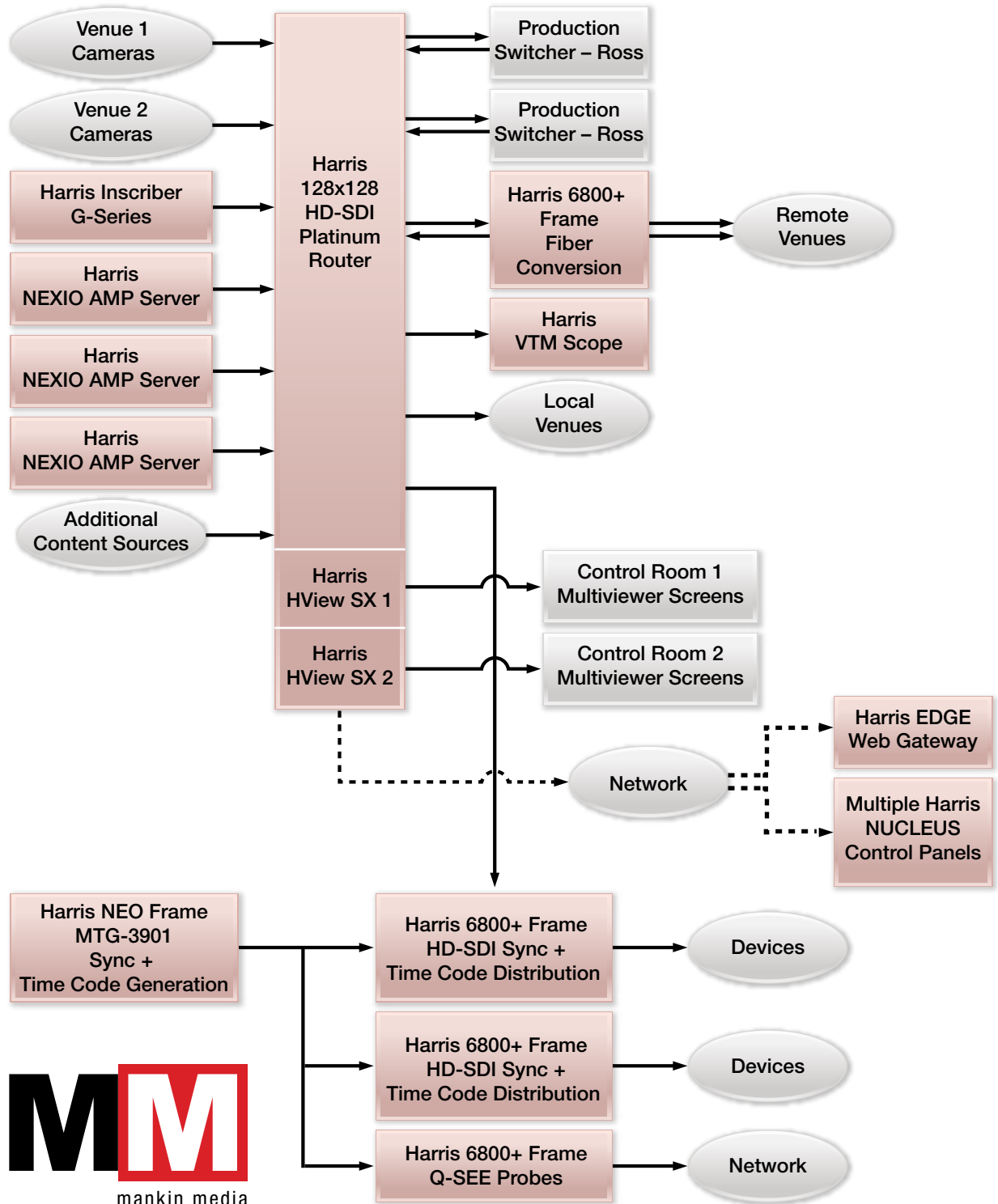
NEXIO servers provide recording and time-delayed playback of video in all of the venues. Inscribe G3 graphics systems are used to enhance the visual elements, from titling to other effects. A wide range of Harris signal processing technology is also included, such as 6800+ distribution modules for fiber and data management and NEO modules for timing and sync generation. A Q-SEE6800+ card displays eight thumbnails of live video at a time, enabling remote monitoring and quality assurance. Videotek test and measurement gear performs verification of signal integrity across the workflow.

On Sundays, the church runs its main service in a 1200-seat auditorium and "broadcasts" the content to the four different venues (two from each control room) on campus over dedicated fiber lines. Each of those venues has its own video system with cameras, switchers and screens. The Harris technology is central to creating a unique, customized experience for each venue — whether it's a classic service for the older crowd or a more intense AV experience for the junior high service.

Other elements in the broadcast and production workflow include JVC cameras, Ross switchers and RTS intercom systems. Separate audio systems incorporate QSC speakers and amplifiers, Shure microphones, Soundcraft mixers and Yamaha digital audio consoles. Barco and Panasonic provided projection systems in various rooms.



*"Harris technology is central to creating a unique, customized experience for each church venue."*



**Integrated AV distribution and production system designed by Mankin Media Systems**

*“This facility stands apart because First Christian Church placed a high value on broadcast quality even though their goal is not to be ‘on TV.’ They also placed a high value on creativity and instituted a system that gives them the freedom and flexibility they need to achieve their vision.”*

Ben Mankin — Mankin Media



## Business Value

- The new workflow is essentially a “cross-campus integration” that enables all of the different venues to easily communicate with each other. The church is able to accommodate a larger audience and produce a greater variety of custom programming — very cost-effectively.
- The core of the facility, the Platinum router, manages all the signals to the different venues, and content is seamlessly routed and distributed all over the campus. Integrated into the Platinum router, the Harris multiviewer provides cost-effective monitoring for both of the control rooms and is highly flexible, a critical feature since the church is handling multiple venues.
- First Christian Church sought creative flexibility and broadcast-quality graphics. The extensive feature set of the Harris graphics solution enabled the creation of crisp images, animation effects and titling. The Harris technology allows for a high degree of creative freedom, enabling the church to deliver a truly customized worship experience for each venue on the campus.

“This facility stands apart because First Christian Church placed a high value on broadcast quality even though their goal is not to be ‘on TV,’” said Ben Mankin, Mankin Media. “They also placed a high value on creativity and instituted a system that gives them the freedom and flexibility they need to achieve their vision.”

To learn more, please visit [www.broadcast.harris.com](http://www.broadcast.harris.com)

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