



Great American Country builds mixed-use studios with future in mind

Category

New studio technology — network

Submitted by

TI Broadcast Solutions Group

Design team

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Technology at work

Avocent AMX 5010 series KVM switching
Chyron
HyperX2 CG
XClyps clip player
Forecast consoles
HME PR0850 intercom
Lectrosonics Venue mic
Miranda
Densité signal processing
Kaleido-X multi-image processing
NVISION NV5128 routers
SSL C100 audio mixer
Telex RTS Cronus intercom
Thomson Grass Valley
Kayak SD250
LDK 4000 cameras
Vinten Osprey Elite pedestals with Vector 70 heads
Wheatstone E6 mixer



When Great American Country, a country music-oriented brand of Scripps Networks, set out to build a studio facility, it was important to maintain a presence on Music Row in Nashville, TN, to have access to new talent. This was a challenge when the network set out to build a studio facility along with post and office space in just 8000sq ft.

GAC chose TI Broadcast Solutions Group to work on technical design and integration of the facility. The goal was to build a large studio dedicated to TV production using traditional broadcast equipment and a second smaller studio for TV and multimedia production dayside as well as host a syndicated radio program after hours.

While the system was designed and is currently run in SD, the group wanted to build a clear path to HD. All infrastructure and installed equipment is capable of HD operation either out of the box or by software upgrade.

GAC chose Thomson Grass Valley LDK 4000 mk II cameras and a Kayak SD250 switcher for the heart of its Studio A production system. A Chyron HyperX2 is used for CG, while a Chyron XClyps handles on-air clip layout.

Being a music-oriented network, high-quality audio equipment was a necessity. Mixing for Studio A is handled by a Solid State Logic C100. Using an SSL Deltalink MADI

I/O, the C100 provides all of the input and output facilities for the ProTools|HD1 multitrack system. An extensive wireless communications system was implemented using Lectrosonics wireless microphones and IFB and HME wireless intercoms. Bexel ASG designed a wireless system that would provide coverage throughout the entire facility.

The facility features a pair of NVISION NV5128 routers. One frame was outfitted for 80 x 80 wideband SDI, while the other frame was outfitted for 80 x 80 AES and 16 x 16 stereo analog audio internally converted. Evertz provides house clock and sync systems along with Miranda Densité signal processing and distribution. A Miranda Kaleido-X offers facilitywide production monitoring, while JVC provides QC monitoring. A Telex RTS digital matrix intercom handles communications.

It proved to be a challenge to provide everything a syndicated radio program needs for operation while also providing what is necessary for TV production in Studio B. The 340sq-ft studio was outfitted with three JVC GY-HD250 cameras using Telecast fiber conversion to transport video, data and power for the Telemetrics robotic systems. Production switching was handled by a Broadcast Pix Slate 1000. Radio operations were provided by a Wheatstone E6 audio mixer and Google automation. StudioHub equipment was integrated into the set furniture. ■