

BRYANT UNIVERSITY

Production Studio Principal Equipment

Studio Cameras: Three Sony DXC-D50WS camera heads with CCU-D50 camera controls and RCP-D51 remote controllers. These cameras are capable of 4:3 and 16:9 aspect ratios and provide digital transmission from the camera head via multicore cables. The cameras are supported by Vinten Vision series tripods and fluid heads; two cameras are also fitted with Listec 15" LCD prompters.

Production Switcher: The production switcher is a Thomson/Grass Valley Kayak DD/1 single M/E digital switcher. With four keyers, each with a high-end digital effects engine, built-in still store for short clips and stills, 16 inputs, and 10 aux busses this switcher has capabilities well beyond what you would expect in a single M/E switcher. Processing is fully 10-bit digital, 4:2:2 for all inputs and outputs. The switcher can also be configured for 16:9 aspect ratio and can be updated via software for future improvements.

Graphics: The graphics system is a Chyron DUET LE running Chyron's Windows-based Lyric software. The Duet hardware provides digital I/O for graphics and key signals. The Lyric software is an advanced graphics creation and playback application with which 2D and 3D static and animated graphics can be created.

Audio mixer: The system audio mixer is a Tascam DM-24 digital mixing console featuring a 32 channel/8 buss architecture with 6 aux sends. Sixteen analog inputs and 12 digital channels are provided as installed. Internal processing is all 24 bit digital. Each channel has configurable compressors and parametric EQ. The analog inputs also have Gate/Expanders available. There are two built-in effects processors with reverb, spatial effects and microphone/speaker modeling. The mixer also features a built-in automation system that does not require an external computer to operate.

Router: The system router is a Pesa Cougar 32 x 32 SDI and analog stereo audio router. The router uses a powerful controller which can handle hundreds of remote panels, each of which can be individually programmed. System panels are currently provided in the main equipment racks, the shader's station and the tape operator's station.

Recording: The tape format provided is Panasonic's DVC-PRO. The AJ-D455 recorders can play DVCAM and DV tapes as well. The machines have SDI and AES digital interfaces installed.

Intercom: The intercom system is a RTS TW system. It is set up with 2 channels of intercom and two channels of IFB. Stage announce is provided using the console microphones.

Test & measurement: Video waveforms are provided by a Videotek VTM-200 multi-format on-screen monitor. This unit provides a high-resolution display of picture, waveform, vectors, and audio levels. The output is duplicated at the shader's station for camera adjustments.

Conversion: D/A and A/D conversion as well as distribution and monitoring is via Thomson/Grass Valley Gecko modular components.