



## **Case Study: School of Creative and Performing Arts (SCPA)**

### **CCTE Program Incorporates Video Production with Theater**

#### **Challenge:**

The mission of the San Diego Unified School District's College, Career & Technical Education (CCTE) program is to prepare students for their future — "college and career ready". This is hard to do using an old production facility with equipment dating back to the 1970's. The instructor at SCPA was limited to teaching students using consumer cameras, a studio with inadequate lighting and woefully outdated editing systems.

#### **Solution:**

PAC Engineering, as part of the team put together by Domus Studio Architecture, met with SCPA's Artistic Director Richard Trujillo and CCTE Program Specialist Mike Reynolds to assess the needs and goals. The objective was to design a production studio, edit suites and classroom to work in conjunction with the schools 2 theaters.

The plan called for existing classrooms and studios to be completely remodeled from wall-to-wall and ceiling-to-floor to create a state-of-the-art facility. Included in the new High Definition system is a 3 camera studio designed to work in conjunction with the 3-camera Grand Theater, and a control room big enough to keep all of the students involved in the production process. There are also 5 video editing stations and an audio suite running ProTools software. The Control Room is tied to the 2 theaters via a fiber backbone with video, audio and intercom going both directions. This allows live performances to be recorded and broadcast out to the campus and website. And the theater performers can interact with the studio "real time". Audition tapes can be created with new technology that will increase chances for college entrance and jobs in the performing arts arena.

The students shoot stories on their new HD field cameras and audio recorders, transfer the files to a shared storage system and edit on the latest Apple MacPro computers using Final Cut Pro. The video server can then access the edited files for live playback over MATV or via streaming networks and an X20 billboard system.

The up-and-coming artists and performers are no longer limited by their old technology. This new system has improved the value of education, sharing of knowledge and collaboration using professional broadcast equipment in a system design by PAC Engineering.

#### **Technologies:**

- Ross Video Switcher
- EditShare Shared Storage
- Geevs Video Server
- Yamaha Mixer
- Apple MacPro Edit Work Stations
- Compix Character Generator
- RTS Intercom System
- Cobalt Distribution and Processing System
- AJA Frame Sync and Processing
- Sony Field Cameras
- ETC Lighting Board
- ReflecMedia Portable Chroma Key
- Hitachi Studio Cameras
- JVC Video monitors
- HighTech Industries Custom Consoles
- JBL Speakers
- X20 Billboard System