

Porterville Courthouse Audio Visual System Additional Deliverables

A new Graphical User Interface (GUI) will be provided for the four types of rooms (Courtrooms, Jury Assembly room, Conference rooms and Mediation Workshop divisible room) that are part of this project. Processor code will be provided for Courtrooms and Jury Assembly rooms in order to make the GUI work. We want this GUI to replace the current GUIs in these four types of rooms. The new courtroom GUI uses "Smart Graphics" since these 15" touch panels have this capability. The other rooms are limited to the traditional approach, and so is the template. The GUI is only a template, and it will be necessary for the willing contractor to make changes based on the conditions and circumstances you find. However, please follow the "look and feel" of the template. Only the Department 20 courtroom GUI is provided, which is the most complex design. The other courtrooms lack videoconferencing and overflow capability. Device control is not included. In the Jury Assembly room, confirm that the TV channels work for the court.

**All systems**

1. Shutdown sequence: Shutdown will cause all audio DSP outputs to mute, trigger the power sequencer to shut off amplifiers, place devices into stand-by mode, turn off projectors and displays, and retract projection screens. The control system, computers, and devices necessary to remain powered on are not affected by the shutdown sequence.
2. Automatic shutdown: The system shall self-execute a shutdown sequence every evening at a user-definable time. A warning will show up on the touch panel 1 minute before the shutdown, and an audio warning will sound to bring attention to the warning (if the touch panel is equipped to make a sound).

**Software**

1. All control system, audio DSP and touch panel source code written for this project created by the AV contractor or their subcontractors shall be considered as a work for hire. This source code shall be supplied in electronic form at the conclusion of the project to both the Court and the Judicial Council. Include any ancillary files necessary to modify and/or update the software using industry standard programs available to a trained programmer. The source code, or any modules included therein, shall not include any password protected content. If any modules or sub-routines are used, a help file shall be included describing the functions of each input and output.
2. If any subsequent changes are made to the code by the contractor or their subcontractors, updated code shall be supplied to the court and the Judicial Council in electronic form.

Functionality

1. Clearing: Ensure that each media selection clears the previous audio and visual selection (i.e. Selecting COMPUTER will clear the audio as well as video section of the previous Blu-ray disk selection).
2. Defaults: Establish a default power-up condition during system checkout. On the room page, provide a button to return the system to this default condition. Otherwise leave any changes, especially volume changes, unchanged when the system is shut down and re-started.
3. No settings of the volume controls should allow the audio system to go into feedback.
4. Failsafe: No operation or sequence of operations shall cause the control system to become inoperable or interfere with further processing, correct operations or execution of commands.
5. Display the accumulated lamp hours of all courthouse video projectors, if the projector has this capability.