

Lowndes County Board of Commissioners Meeting Room Audio and Video Upgrades

Scope of Work

Summary:

Lowndes County Board of Commissioners is looking for a technology upgrade in the existing Commission Meeting Room located in the Judicial and Administrative Complex at 327 N. Ashley Street, Valdosta, GA 31601. The existing Video system has failed and replacements components are no longer available for repair. After meeting with the County Manager and Sr. Project Manager it was determined that we would look at a replacement of the existing system to simply operation and provide a turn-key solution for the Audio and Video Systems. We propose the following System functionalities and improvements.

Audio:

Retain the existing Main speaker system and microphones. These have been tested and confirmed to work and provide suitable performance for the room. These are high quality components that have shown no signs of wear or failure. We propose replacing the main amplifier as this has experienced problems and repair is no longer an option. We recommend replacing the Dais speakers with new RDL active speakers that have individual volume control. The existing Dais speakers are working but do not provide adequate performance. Also, due to the existing wiring and the need for several multi-channel amplifiers for the existing speakers we have determined it to be more cost-effective to replace them. The existing digital signal processor (DSP) unit will be replaced with a new QSC Core processor and 16x16 expansion device. This will process audio from all of the microphones as well as the Clerk's computer output for audio sharing during meetings.

Video:

We will retain the existing Rear Projection system since it seems to perform well and has been recently serviced with new lamps and filters. We will provide a decoder to allow the projector to receive HD signal from the new AV over IP video routing system. We will replace all of the existing ELO touch monitors at the Dais and Department head positions with 24" monitors (non-touch) using Wearson fold/tilt mounts. It has been determined that annotation capabilities are no longer needed. Therefore, non-touch displays will work well for the Commissioners and Department heads to view the content shared during meetings. We will leave the existing Wolf-vision document camera in place but will NOT connect this to the video system as it was described that this system is not used or needed. Video input will only come from the Clerk's computer since any Agenda items must be submitted for approval prior to Board meetings. No DVD, VCR or Cable inputs are provided as this was deemed unnecessary by the client. Video signal from the Clerk's computer will be routed to all displays (including projector) so that the same image is shown on all screens at the same time. No matrix switching is needed to show different content on different outputs simultaneously. A video feed (with Audio) will be maintained to the existing overflow room. We will re-use the existing Display in the overflow room as the client has expressed it works fine.

Cameras:

We will remove the five (5) existing cameras and replace with two (2) cameras to simplify the Video/Camera system. It was determined that a single front camera (wide shot of Podium) and a single Rear camera (PTZ) would be sufficient for room coverage. Camera control and switching will be handled by the 24" touch panel at the IT desk located beside the Clerk.

Recording:

The existing Crestron CaptureHD is end-of-life and will no longer work with the new Audio and Video systems. The Crestron approved replacement is the Epiphan Pearl 2. This device is IT friendly and network security compliant. Captured video can be recorded, streamed anywhere or automatically uploaded to any CDN, CMS or local server. Recording will be a capture of the room presentation and does not provide individual recording of the input sources and/or cameras for post-production editing.