

# multimedia system design



## Overview / Capabilities

Today's business and learning environments require multimedia solutions that are scalable, reliable, and simple to operate. SSOE Group has internal experts that design video, audio-visual, and integrated multimedia systems for a wide range of facilities including: theaters, convention halls, corporate conference centers, classrooms, and entertainment venues.

As an independent design consultant SSOE has no affiliations with any particular brands, products, technologies, or suppliers, and can provide an objective, unbiased, cost-effective audio-visual design solution. Our experts help you specify the appropriate technology for each situation and manage and ensure its proper installation and operation.

SSOE employs sophisticated acoustical modeling software, state-of-the-art acoustic measurement technologies, and predictive modeling to assess acoustical issues and evaluate potential solutions to acoustical problems. In addition to video and acoustics, SSOE includes power, data communications, and lighting elements to provide a complete and comprehensive multimedia conferencing solution.



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## Acoustics

SSOE understands that classroom, presentation, and meeting room acoustics are directly correlated to learning and comprehension. In fact, studies have determined that poor acoustics can negatively impact speech intelligibility and hearing by as much as 25%. We understand acoustical issues such as background noise and reverberation and how to optimize a room's signal-to-noise ratios for optimum speech intelligibility. Our designs are standards-based, measurable, and conform to STI and ANSI S12.60 acoustics recommendations.

## Video Conferencing

Video conferencing provides many benefits to the learning and business aspects of a meeting including the ability to view facial expressions and read the body language of other attendees while eliminating the cost of travel.

SSOE's extensive video knowledge brings the most up-to-date technologies and capabilities to any video conferencing and multimedia application.

## Multimedia Services

- Integrated voice, data, and video technology systems for schools, hospitals, and commercial facilities
- Design for small to large meeting spaces, conference rooms, and classrooms
- Executive conference audio-visual systems
- Video and multimedia control systems
- Courtroom and council chamber systems
- Interactive whiteboard and display integration including gesture interfaces
- Public address systems
- Background music systems
- Environmental noise control and mitigation



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