

Product	Function
Tesira SERVER-IO (3) DSP-2 cards (3) SAC-4 cards (1) DAN-1 card	Handles all audio processing and routing for the ballrooms and foyer. Provides a Dante™ interface to the wireless microphone receiver. Ambient noise compensation automatically adjusts volume levels to ensure the audio remains intelligible.
TesiraLUX IDH-1	Acts as an AVB talker. Processes video signals from cameras, laptops, and media players.
TesiraLUX OH-1	Acts as an AVB listener. Outputs networked video to displays.
Tesira AMP-4350R	Provides amplification to ceiling loudspeakers in the foyer.
Tesira AMP-8175R	Provides amplification to ceiling loudspeakers in the ballrooms.

TESLDG-344-1605-EN-R1



SYSTEM DESIGN GUIDE

CONVENTION CENTER BALLROOMS

Tesira®

Ballrooms are the lifeblood of convention centers. In order to accommodate gatherings of different sizes and maintain a high level of bookings, convention center ballrooms need to be extremely flexible in their physical configurations as well as their audio and video routing capabilities.

Biamp's Tesira platform creates a networked media system where audio and video can be processed and distributed to any desired ballroom configuration. TesiraLUX can accept and transmit video up to and including 4K60, helping to create an impactful video experience for show attendees. Tesira interfaces with Dante™, offering additional options for input sources such as microphones. This, used in conjunction with Tesira's ambient noise compensation capabilities, ensures that the audio output remains intelligible.

SYSTEM DESIGN GUIDE | CONVENTION CENTER BALLROOMS

Typically in high demand, ballrooms must be reconfigured quickly to ensure that the next show, banquet, or special event runs smoothly. This applies to the audio and video distribution as well. In this scenario, Tesira is ideal for managing the ballroom audio and video. Presets can rapidly reconfigure the audio and video routing, while a partitioned system design can allow work to be performed in unused areas without affecting any events currently underway. A mobile cart with wireless microphones and media sources can be deployed to any of the ballrooms on short notice, easily accommodating last-minute requests.

AmbientSense™ can be employed to automatically adjust audio levels in the foyer and ballrooms. The installed sensing microphones detect ambient noise levels and an adaptive DSP algorithm increases or decreases the volume of the music and paging accordingly.

TESIRA FEATURES

- Audio and video processing and routing throughout the ballrooms and foyer
- Multiple video sources can be streamed simultaneously to different ballrooms and foyer screens
- Supports integration with a Dante™ wireless receiver
- Impedance monitoring and analog failover available for loudspeakers

