

Product	Function
Tesira SERVER-IO (1) AVB-1 card, (3) DSP-2 cards	Handles all audio processing and routing, and there is room left in the chassis to support future expansion for ambient noise compensation or other AV needs.
TesiraLUX IDH-1	Acts as an AVB talker. Processes video signals from cameras, computers, and media players.
TesiraLUX OH-1	Acts as an AVB listener. Outputs networked video to displays.
AMP-A460H	Provides amplification to ceiling loudspeakers in the press room.
Tesira AMP-8175R	Provides amplification to ceiling loudspeakers in the operations center.

TESLDG-357-1703-EN-R1



SYSTEM DESIGN GUIDE

EMERGENCY OPERATIONS CENTER

Tesira®

An Emergency Operations Center (EOC) is a central location where members of an organization gather during an emergency to coordinate response and recovery actions and resources. The EOC is not an incident command post; rather, it is the operations center where coordination activities and management decisions are facilitated. EOCs are found at all government levels, as well as in larger corporations that manage large equipment or high numbers of employees (such as a fire department, health care organizations, etc.). An EOC is responsible for the strategic overview, or “big picture,” of the disaster, making operational decisions and leaving tactical decisions to field commands. The common functions of all EOCs are to collect and analyze data; make decisions that protect life and property; and effectively communicate those decisions to all involved teams and individuals.

SYSTEM DESIGN GUIDE

EMERGENCY OPERATIONS CENTER

Managing response and recovery operations involves a tremendous amount of information from a wide array of sources. The EOC's job is to collect this information and coordinate emergency response efforts; it can optimize communication and coordination through effective information management and presentation.

In this scenario, Tesira provides the audio and video processing for both the EOC and press briefing room. TesiraLUX facilitates streaming the video sources to the video wall processors and individual displays around the EOC. Tesira SERVER-IO provides sound reinforcement for the EOC and advanced audio processing for the video streams as needed.

Tesira's network-based platform and inherent design flexibility makes it it an effective AV tool for supporting the dynamic nature of an EOC. You can quickly re-route video streams to different displays in the operations center based on situation-specific requirements.

