

Product	Function
Tesira SERVER-IO (2) DSP-2 cards (1) SVC-2 card (6) SIC-4 cards (cards for up to 24 mic/line input) (4) SOC-4 cards (cards for up to 16 mic/line output)	Handles all audio processing and routing, as well as providing a VoIP interface into the entire audio system. Provides VoIP connection into telephone system for remote interpretation and/or remote testimony and remote control of the system capability by the interpreter via DTMF (touch-tone phone).
Tesira AMP-8175R Amplifier	Provides amplification to both courtrooms with seamless AVB/TSN integration
Computer running court recording software	Captures all audio from court proceedings via installed AVB/TSN sound card
Video conferencing codec	Allows arraignment of defendants, as well as remote testimony.

TESDG-334-1708-EN-R3



Photo courtesy of Robb Williamson at AECOM



SYSTEM DESIGN GUIDE

MULTIPLE COURTROOMS

Tesira®

Courtrooms require accuracy and clarity in all their proceedings. In today's legal system, technology remains a critical part of helping legal professionals do their jobs accurately and effectively. Biamp's Tesira platform creates a networked media system where audio is routed, processed, and distributed within a single courtroom or many courtrooms. Features such as Automatic Gain Control and mix-minus provide sound reinforcement in courtrooms without interfering with the proceedings. Tesira works in tandem with a VoIP system to enable remote interpretation, and can also process audio from remote video arraignment systems to tie all the audio together. Using court recording software, courtrooms are able to successfully capture court proceedings and securely archive these recordings.

SYSTEM DESIGN GUIDE | MULTIPLE COURTROOMS

Tesira SERVER-IO has enough DSP to handle multiple courtrooms. Because Tesira is a platform, there are shared resources in processing, VoIP, amplification, and other areas.

In this scenario, Tesira interfaces with the remote video arraignment codec, which is more economical for the court system because it reduces transportation costs between the courthouse and local correctional facilities. AVB/TSN is an open standard networking protocol that uses simple Ethernet cable to transport media streams. The AVB/TSN sound card installed in the PC running court recording software provides seamless connection from Tesira.

TESIRA FEATURES

- Audio processing and routing throughout the courtrooms
- Automatic gain control for dynamically adjusting the gain/volume on all microphones
- VoIP for remote interaction with the courtroom (language interpretation and/or remote testimony)
- Interfaces seamlessly with digital evidence recording platform via AVB/TSN technology

