



# CONFERENCE

# ROOMS:

WHERE GREAT STORIES UNFOLD

## EVERY ROOM TELLS A STORY...

From the nicks and dents in the table, to the faded words on the whiteboard. Big rooms, small rooms, even that oddly-shaped room down the hall. The AV experience in each room plays a significant role in whether the story is merely good enough, or great.

We think all of your conference rooms should tell great stories, where everyone on a call can be heard clearly. That's why we've created all-digital audio solutions that are cost-effective, easy to program and install, and provide exceptional audio quality.

At the heart of every Biamp conference room are three key components: a Biamp microphone, amplifier, and DSP. While each element is powerful in its own right, the combination of all three devices inside a self-contained Biamp ecosystem is what sets our AV experiences apart for your customer and provides you with the following benefits:

- Reduced programming time
- Reduced installation time
- Equipment cost savings
- Exceptional conferencing experiences for your customers

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Every room has unique requirements, so take a closer look at huddle rooms and conference rooms.

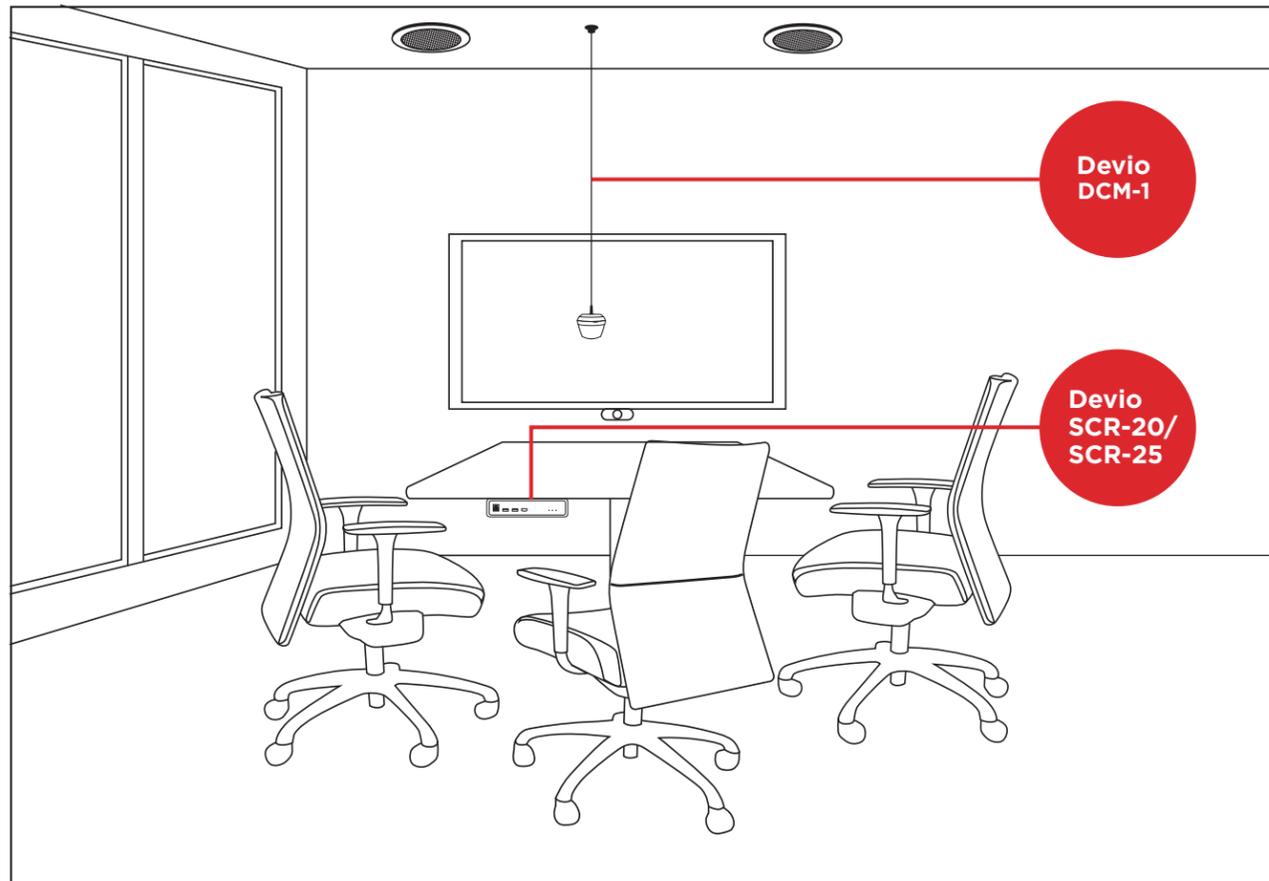
## Huddle Rooms

### The Challenge

The rapid adoption of open-plan offices, in combination with an increasingly geographically dispersed workforce, is driving the need for informal spaces that offer privacy for effective collaboration. Though small, huddle rooms are plentiful and typically involve BYOD, which in turn requires a conferencing solution that combines excellent audio quality with effortless connectivity, and must also be easy to operate.

### The Solution

Used in concert with web-based conferencing systems, Devio® is a cost-effective, uncomplicated USB audio interface that provides users with exceptional AV experiences. Designed for huddle rooms and other small meeting spaces, Devio supports a variety of room designs for computer-based conferencing including a BYOD approach, connection via a dedicated in-room PC, and more.



#### Devio DTM-1/DCM-1

Our original beamtracking™ microphones require little to no setup, since the microphones identify and lock to a signal source—even if a person is moving around the room while speaking.

#### Devio SCR-20/SCR-25

The conferencing hub incorporates several sophisticated conferencing features into a small form factor. Options for speaker connectivity include HDMI audio, a built-in 20W amplifier, or RCA line-out. The SCR-25 model adds a headset jack for VoIP handsets and Bluetooth® wireless technology for wireless device audio support.

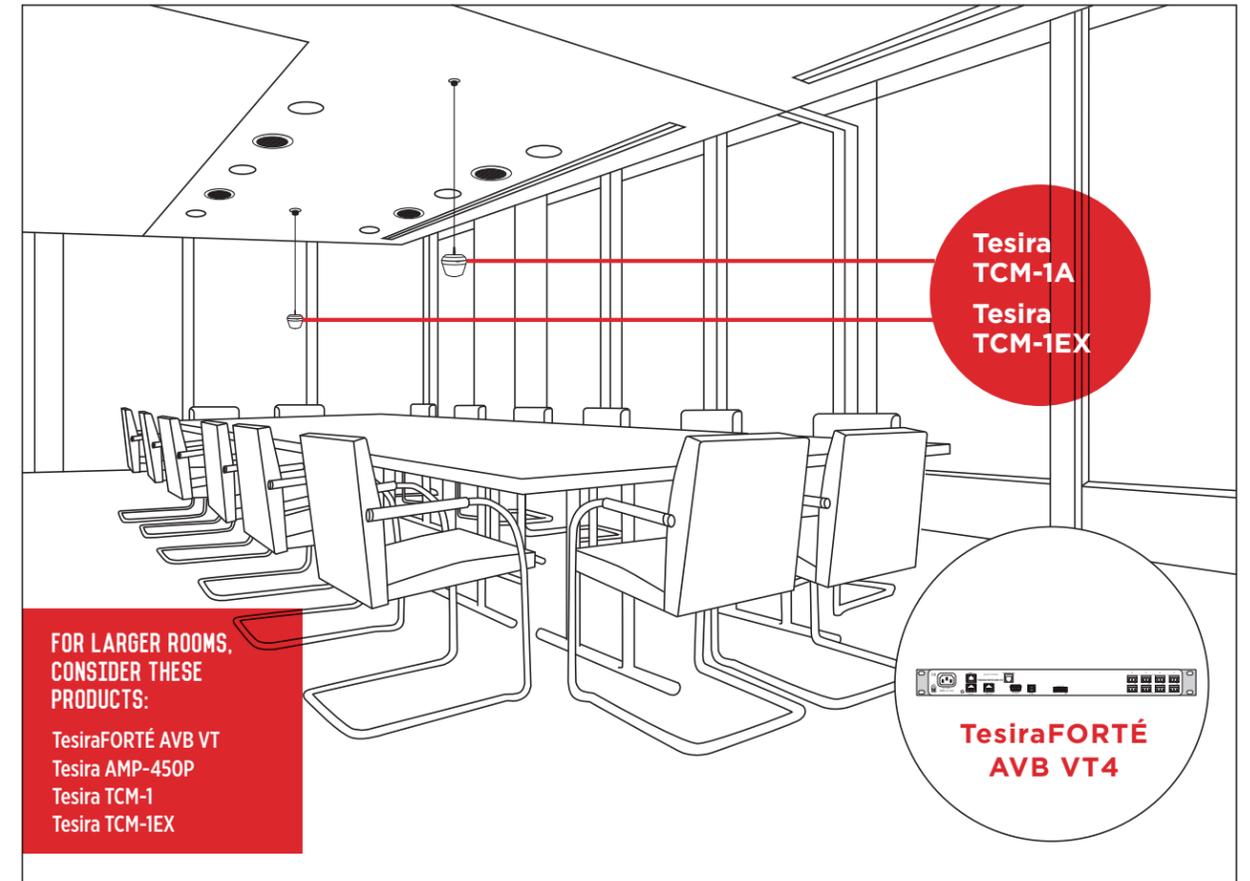
## Conference Rooms

### The Challenge

Today's installers face concerns on two fronts: implementing an exceptional AV experience, while minimizing programming and installation time on each project in order to remain profitable. That's why they need products that are robust and flexible, yet easy to program and install.

### The Solution

Tesira® is an ideal platform for conference rooms of all sizes. For smaller conference rooms, only a single Ethernet cable is needed to connect the TesiraFORTÉ® DSP to our new Tesira TCM-1A beamtracking™ microphones, for an exceptional conferencing experience. For larger conference rooms, consider using the TesiraFORTÉ AVB VT in conjunction with the Tesira AMP-450P and TCM-1 for an equally compelling audio experience.



#### Tesira TCM-1A Microphone

Our new beamtracking microphone actively tracks and intelligently mixes conversations from around the table, allowing far-end conference participants to experience the conversation naturally, while the built-in 2-channel PoE+ amplifier includes an innovative burst power mode to handle peak signals.

#### TesiraFORTÉ AVB VT4

Specifically designed for spaces that require less analog I/O, TesiraFORTÉ AVB VT4 offers all of the processing power of a traditional TesiraFORTÉ without the extra I/O cost. It also supports VoIP, POTS, and USB conferencing in a single chassis for maximum flexibility.

#### Tesira AMP-450P\*

Our PoE+ conferencing amplifier (not shown above) is well-suited for ceiling speakers, program speakers, and mix-minus systems. Don't let the PoE+ mislead you—this amplifier can get loud. With burst technology built in, the AMP-450P also supports sudden increases in volume or activity.

## KEY DIFFERENTIATORS

We want to help you be successful. That's why we deliver products with exceptional technology, while simplifying installation and programming, allowing you to complete installations at a faster pace with fewer challenges.

### MICROPHONES

**DEVIO** DTM-1 / DCM-1  
**TESIRA** TCM-1  
**TESIRA** TCM-1A  
**TESIRA** TCM-1EX

- No setup or adjustments to beamtracking settings are required
- Each mic only uses a single channel of AEC
- Three 120-degree zones for 360 degrees of coverage
- Multiple mics can be daisy-chained (2 with Devio, 3 with Tesira)\*
- Suitable for use in air handling spaces, such as drop ceilings

### AMPLIFIERS

**TESIRA** TCM-1A  
**TESIRA** AMP-450P

- Powered by PoE+, with internal power draw protection
- Burst power mode to handle peak signals
- Fanless operation
- Software-selectable power versus channel count
- Suitable for use in air handling spaces, such as drop ceilings

## DIGITAL SIGNAL PROCESSORS

### DEVIO

**DEVIO** SCR-20  
**DEVIO** SCR-25

- Works with Skype for Business, Zoom, BlueJeans, and many more
- Supports a variety of room designs including a BYOD approach
- Multiple speaker connectivity options
- Auto Setup feature simplifies room installation and commissioning
- Supports multiple options for network-based device management

### TesiraFORTÉ

**TesiraFORTÉ** AVB VT4

- All the DSP power of a traditional TesiraFORTÉ, without the unused I/O cost
- 4 analog inputs and 4 analog outputs
- 4 channels of AEC
- VoIP, POTS, and USB in a single chassis

\* Refer to the data sheets for daisy-chain specifics

## WHAT IS BEAMTRACKING TECHNOLOGY?

Beamforming microphones are arrays of microphone elements with “beams” (polar patterns) that can be controlled and shaped via DSP, allowing the beams to be “aimed” at specific areas of the room. While the development of beamforming microphones has been a significant advancement for professional AV, the fact remains that the beams determine where people should be. We think this is the wrong way around. Instead, we think people should determine where the beams are directed.

A Biamp room emphasizes the user experience—not just with the technology itself, but also with how people interact with it. That's why we give people the ability to move around the room as they see fit, not as the microphone dictates.

Beamtracking technology differs from beamforming in that it allows a single microphone to cover a wide area with little to no setup, since the microphone identifies and locks to a signal source—even if the person speaking is moving around. Our beamtracking microphones also intelligently mix conversations from around the table, allowing far-end conference participants to experience a more natural-sounding conversation. The patented interactions between our AEC and beamtracking algorithms dynamically adjust the output in real-time to ensure far-end echo is minimized.

**AS ALWAYS, YOU HAVE ACCESS TO BIAMP'S  
INDUSTRY-LEADING TRAINING, TECHNICAL  
SUPPORT, AND PRODUCT RELIABILITY.  
THAT'S A GREAT STORY INDEED.**



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