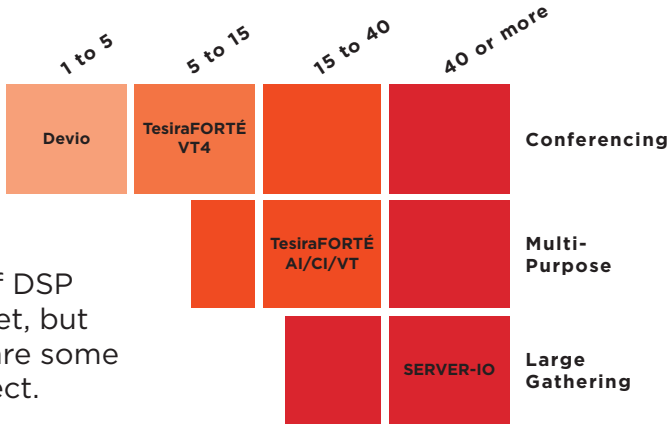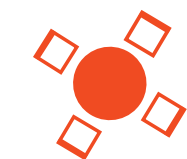# WHERE TO GET STARTED

ROOM SIZE

Everyone has a different definition of what constitutes a small, medium, or large room or space.

That's where we can help. We've designed a series of DSP products targeted at different segments of the market, but with intentional overlap to provide flexibility. Below are some products to consider when designing your next project.

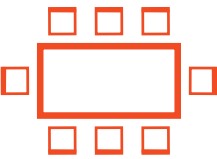|	1 to 5	5 to 15	15 to 40	40 or more	
	Devio	TesiraFORTÉ VT4			Conferencing
			TesiraFORTÉ AI/CI/VT		Multi-Purpose
				SERVER-IO	Large Gathering

COLLABORATION SPACES
Capacity: 1-5 people

As the demand for collaboration spaces — or huddle rooms — increases, so does the need for a cost-effective conferencing solution for these small spaces. Our Devio product comes packed with conferencing technology. Its beamforming microphone provides 360° coverage of the room, tracking and intelligently mixing conversation in real time.

CONFERENCE ROOMS
Capacity: 5-15 people

A good conferencing solution is vital to every organization. Our TesiraFORTÉ VT4 devices support standard telephone service and/or VoIP conferencing, while the USB port enables direct integration with soft codec technologies. Available in an AVB or Dante™ compatible version — each with 4 inputs, 4 outputs, and 4 channels of AEC — our TesiraFORTÉ VT4 devices are built for truly collaborative communication.
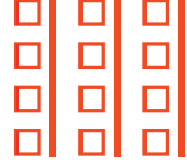
MULTI-PURPOSE ROOMS
Capacity: 10-40*

Multi-purpose or multi-use spaces are becoming more prevalent, and Tesira is particularly adept at supporting situations requiring rapid reconfiguration capabilities. For these types of spaces, look to our larger 12x8 TesiraFORTÉ AI/CI/VT models; each is designed and optimized to address a different business challenge, and is available in an AVB, non-AVB, or Dante compatible version.

LARGE GATHERING SPACES
Capacity: 20+*

Large gathering spaces like auditoriums can be acoustically challenging, and require a flexible AV system. Tesira SERVER-IO can easily support the analog I/O, sound reinforcement, and DSP needs for an auditorium, while TesiraLUX facilitates streaming video sources across the network. Tesira can also integrate with Dante microphones for a best-of-breed solution.

*We picked these numbers out of a hat. It was a nice-looking hat, though.
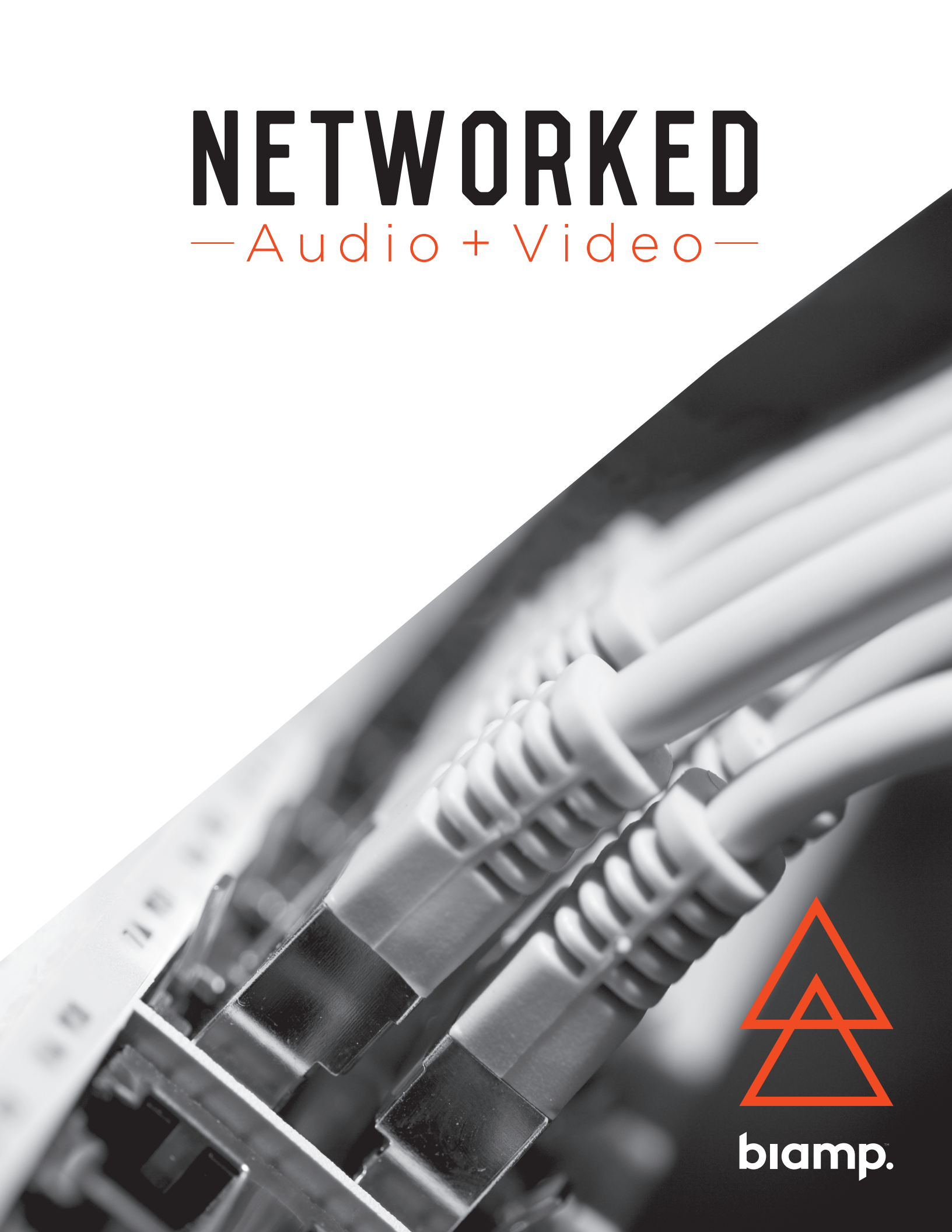
VIDEO-OVER-IP COMPETITIVE COMPARISON CHART

	Max Format	Codec	Latency	Digital Audio	HDMI Port	DisplayPort	Streaming over 1Gb	Streaming over 10Gb	Bandwidth Controls	Integrated Audio	Mains Powered	PoE Powered
Atlona OmniStream	4K30 4:4:4	VC-2	0.5 frames	Dante[1]	●		●				●	●
Aurora IPX-TC1	4K60 4:2:0	PROPRIETARY[3]	1-2 frames[4]		●		●			●	●
Aurora IPX-TC2	4K60 4:4:4	PROPRIETARY[3]	1-2 frames[4]	Dante[1]	●		●			●	●
Biamp TesiraLUX	4K60 4:4:4	M-JPEG	1.5 frames	AVB	●	●	●	●	●	●	●	
Crestron DM-NVX-350	4K60 4:4:4	JPEG2000	2 frames		●		●			●		
DVI Gear DN-100	4K30 4:4:4	PROPRIETARY[3]	1-2 frames[4]		●		●			●		
SVSi N2xxx[2]	4K60 4:4:4	JPEG2000	2-4 frames	Dante[1]/AES67	●		●	●		●	●
ZeeVee Zyper4K	4K30 4:2:0	PROPRIETARY[3]	1-2 frames[4]		●		●			●	
ZeeVee ZyperHD	1080p60	JPEG2000	2-3 frames		●	●				●	●

[1] requires breakout box

[2] values vary between devices; maximum value listed

[3] AptoVision/SDVoE chipset

[4] when operating in fast or seamless switching type modes

NETWORKED
—Audio + Video—

biamp.

It's simple.

BIAMP OFFERS THE WORLD'S ONLY INTEGRATED, NETWORKED AUDIO AND VIDEO PROCESSING AND DISTRIBUTION PLATFORM.
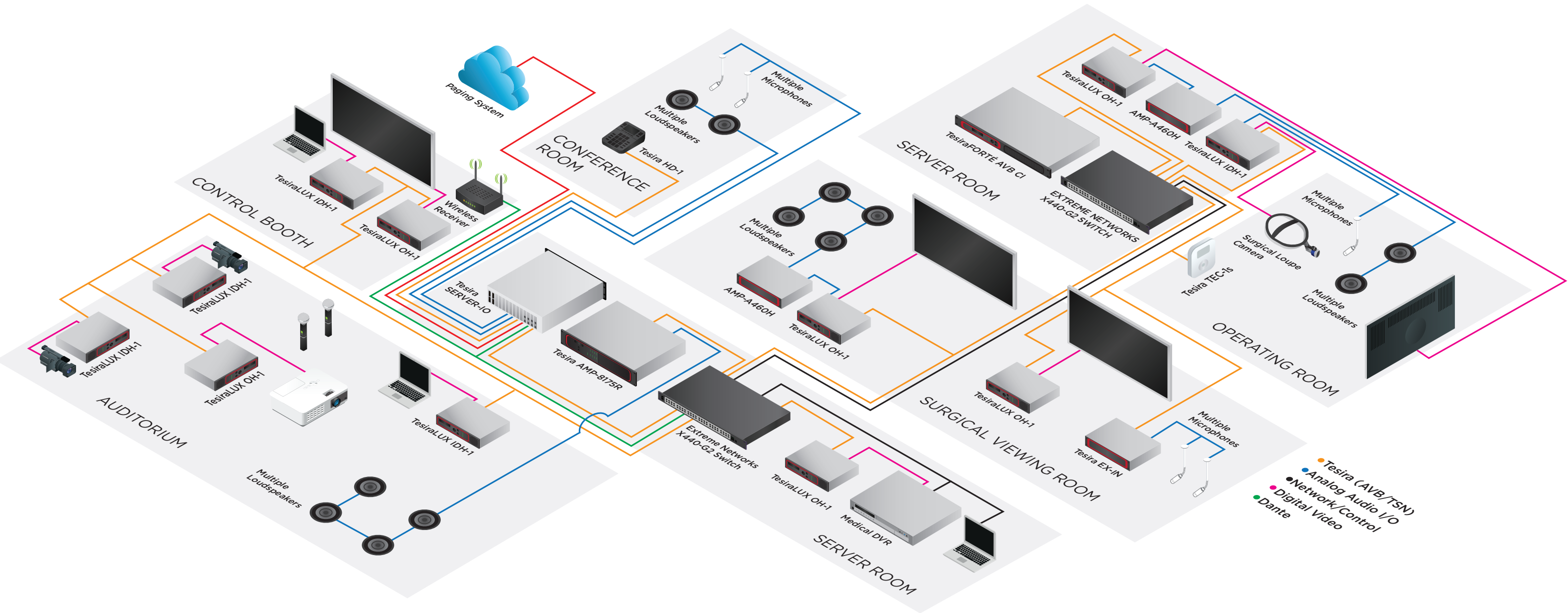
With the addition of TesiraLUX for delivering 4K video over your network, Tesira supports both audio and video on a single platform, in a single software environment. No breakout boxes, no third-party controllers.

Sophisticated, adaptive DSP is at the core of what Biamp does and what Tesira delivers. With completely open programming and no restrictive predetermined signal flows, Tesira offers a powerful set of tools for creating innovative and efficient AV systems.

With a single networked platform, Tesira truly is enterprise-wide media made simple.

HERE ARE SOME OF THE OTHER TESIRA FEATURES TO CONSIDER FOR YOUR NEXT PROJECT:

- Shared DSP means never buying more processing power than you actually need

- Single design software environment eliminates the need to learn additional software programs or find workarounds

- Compilation engine automatically translates your design into device-specific information

- Architectural flexibility allows you to design a system exactly the way you want to

- Guaranteed system transit latency and precise time synchronization for automated lip sync management

- Scalability that makes it easy to add endpoints or DSP without redesigning from scratch

CONTROL BOOTH
TesiraLUX IDH-1
TesiraLUX OH-1

CONFERENCE ROOM
Paging System
Multiple Microphones
Multiple Loudspeakers
Tesira HD-1
Wireless Receiver

AUDITORIUM
TesiraLUX IDH-1
TesiraLUX IDH-1
TesiraLUX OH-1
TesiraLUX IDH-1
Multiple Loudspeakers

Tesira SERVER-IO
Tesira AMP-8175R
Extreme Networks X440-G2 Switch

SERVER ROOM
Multiple Loudspeakers
AMP-A460H
TesiraLUX OH-1

SERVER ROOM
TesiraLUX OH-1
Medical DVR

SURGICAL VIEWING ROOM
TesiraLUX OH-1
Tesira EX-IN
Multiple Microphones

SERVER ROOM
TesiraFORTE-AVB ci
EXTREME NETWORKS X440-G2 SWITCH
TesiraLUX OH-1
AMP-A460H
TesiraLUX IDH-1

OPERATING ROOM
Surgical Loupe Camera
Tesira TEC-1s
Multiple Microphones
Multiple Loudspeakers

Legend:
- Tesira (AVB/TSN)
- Analog Audio I/O
- Network Control
- Digital Video
- Dante

DEVICE: BRC_CR1 Unit #1
(172.23.247.180)