QSC cinema audiovisual solutions

Presentation spaces are often expected to serve many functions – to be a place to hear lectures, watch live performances, host academic and business conferences, or experience recorded audiovisual and motion picture content. The technology to enable such a wide variety of applications can often result in a collection of disparate systems, each with their own control interfaces and infrastructure.

Fortunately, there is one supplier with a catalog that spans all of the communication and audiovisual needs of technology managers who support these types of venues – QSC. But the QSC value proposition goes much further than just a comprehensive catalog of products. All of the technology exists within our Q-SYS Ecosystem, providing integrated control and monitoring while delivering the high quality performance that has become synonymous with QSC for over 50 years.

As a global provider of cinema sound for most of the world's movie theatres, QSC understands what it takes to deliver exceptional moviegoing experiences for cinemas of all sizes. This expertise and technology is now available for technology and venue managers who want to deliver the "cinema-quality" experience in their multipurpose space.

What are QSC Cinema Audiovisual Solutions?

QSC Cinema Audiovisual Solutions are audio systems that are capable of reproducing more than two channels from the audio source. Audio content is often created to deliver a very specific and deliberate cinema audiovisual experience (such as movies and multimedia presentations that include surround or immersive sound content), with channels assigned to specific loudspeaker locations. Also, many audio systems are designed to synthesize a cinema audiovisual experience from a two-channel source, with less emphasis on reproducing the content creator's intent. The equipment required to reproduce either of these experiences comprises a QSC Cinema Audiovisual Solution (CAS). CAS are intended for use in venues such as multi-purpose/multi-use auditoriums for institutions of higher education, theme parks, museums, cruise ships, and other applications.

Q-SYS ECOSYSTEM

The enabling technology of any CAS is the Q-SYS Ecosystem. The heart of the Ecosystem is the Q-SYS Core processor, which provides all of the required signal routing and audio processing for all amplifier channels and the loudspeakers they drive. Q-SYS Cores also enable monitoring of all components and system-wide control capability.

QSC® cinema audiovisual solutions

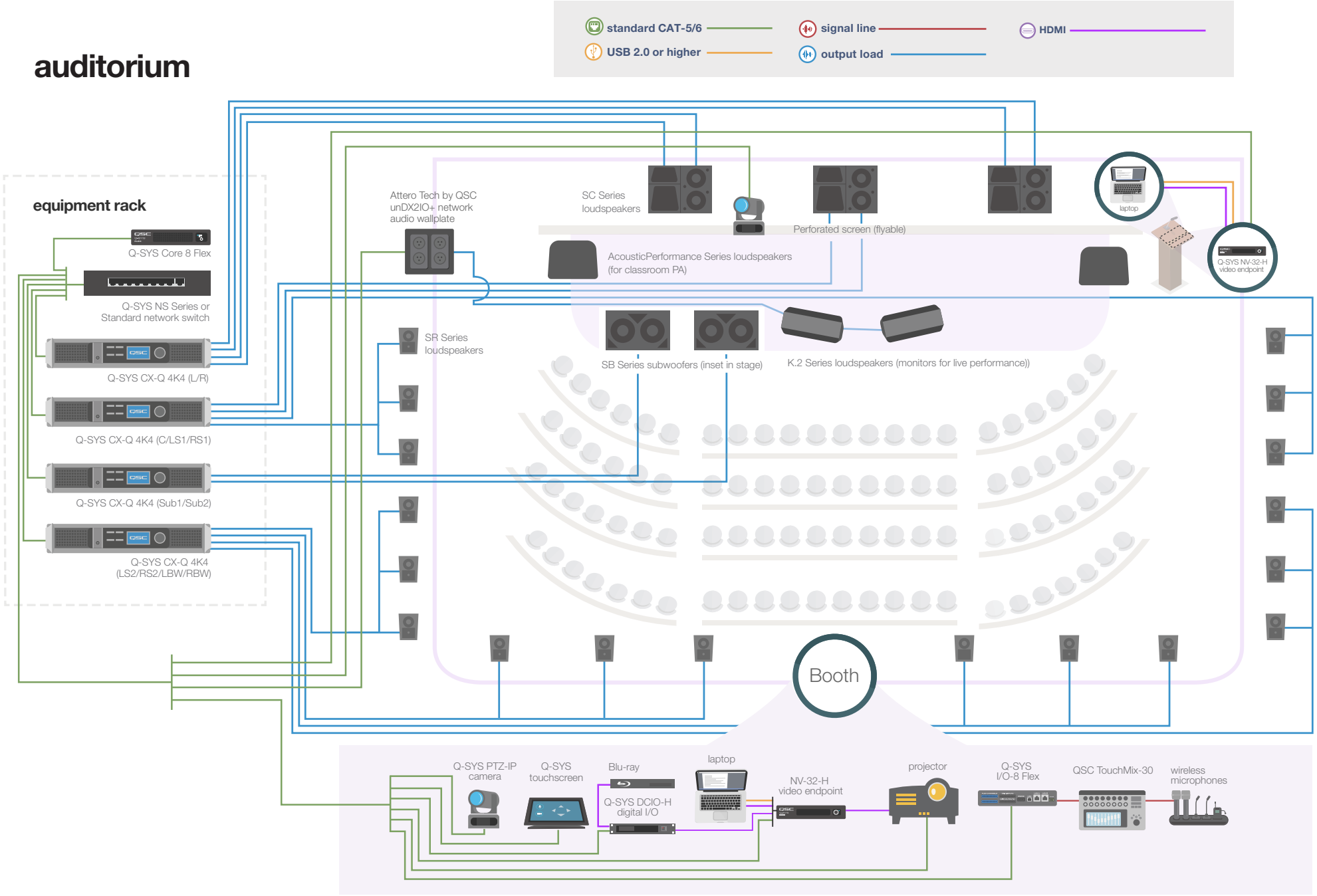
Digital Cinema Series (DCS) loudspeakers include a wide range of screen channel loudspeakers as well as surrounds and subwoofers. Specific loudspeaker model selection depends on the room size, performance expectations, and any special installation requirements.

Virtually any audio source can be input to the Q-SYS Core, including live microphones, Blu-ray disc, satellite receiver, audio that accompanies streamed video content, and many others. The DCIO-H digital cinema interface accepts HDMI input from Blu-ray disc players or satellite receivers and delivers digital audio - with Dolby Audio™ (featuring Dolby Digital Plus™ and Dolby® Surround 7.1) and DTS-HD® decoding - to the Q-SYS Core. QSC NV-32-H video endpoints can be added to any system to deliver distributed video content from any source to the projector.

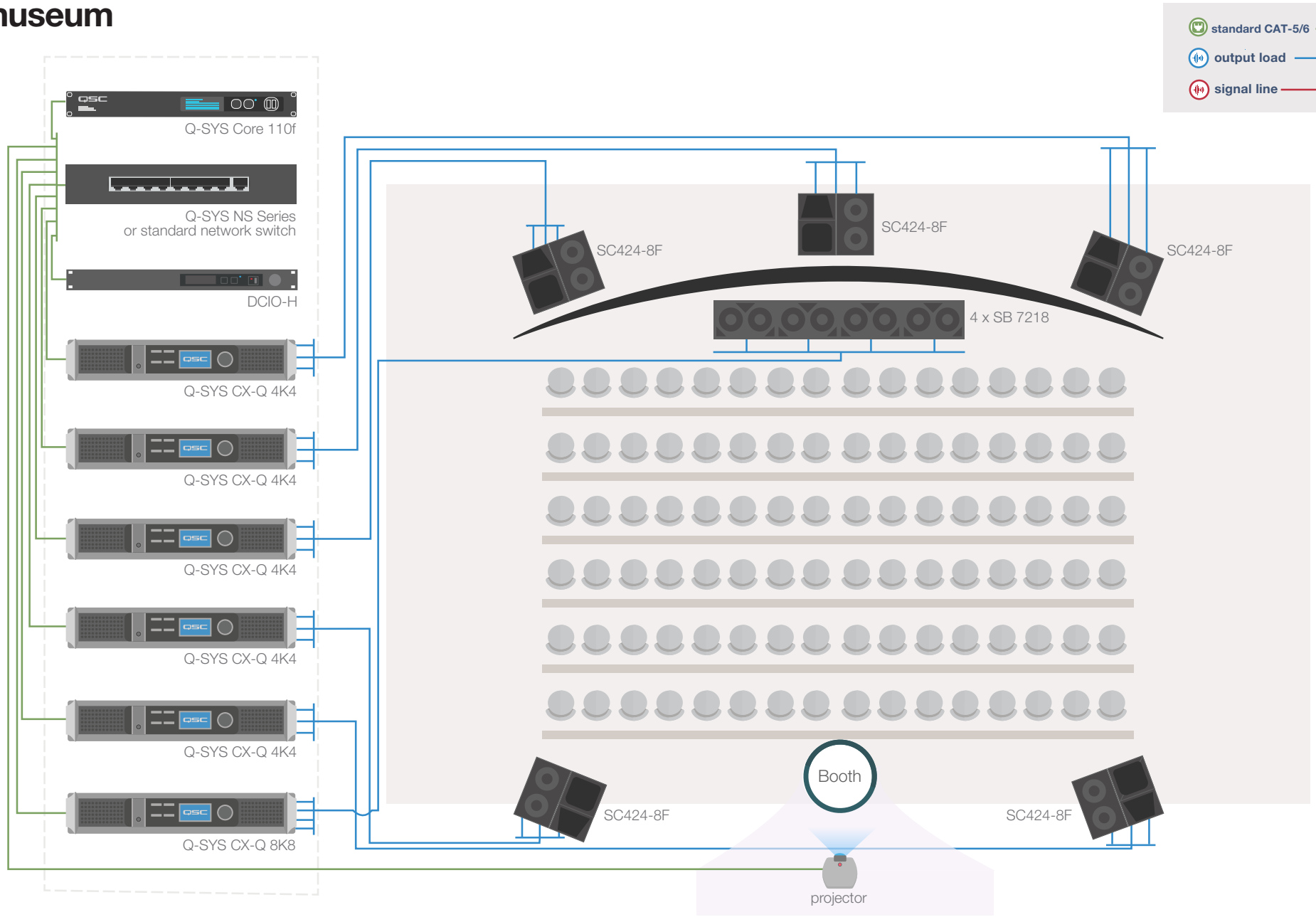
Screen channel speakers can be moved into position behind the screen on a rolling cart, or lowered from a fly loft above the stage.

Q-SYS CX-Q Series native network amplifiers provide the power for all speakers in a Q-SYS enabled CAS system. QSC power amplifiers are legendary for their performance and reliability, and are used in movie theatres everywhere.

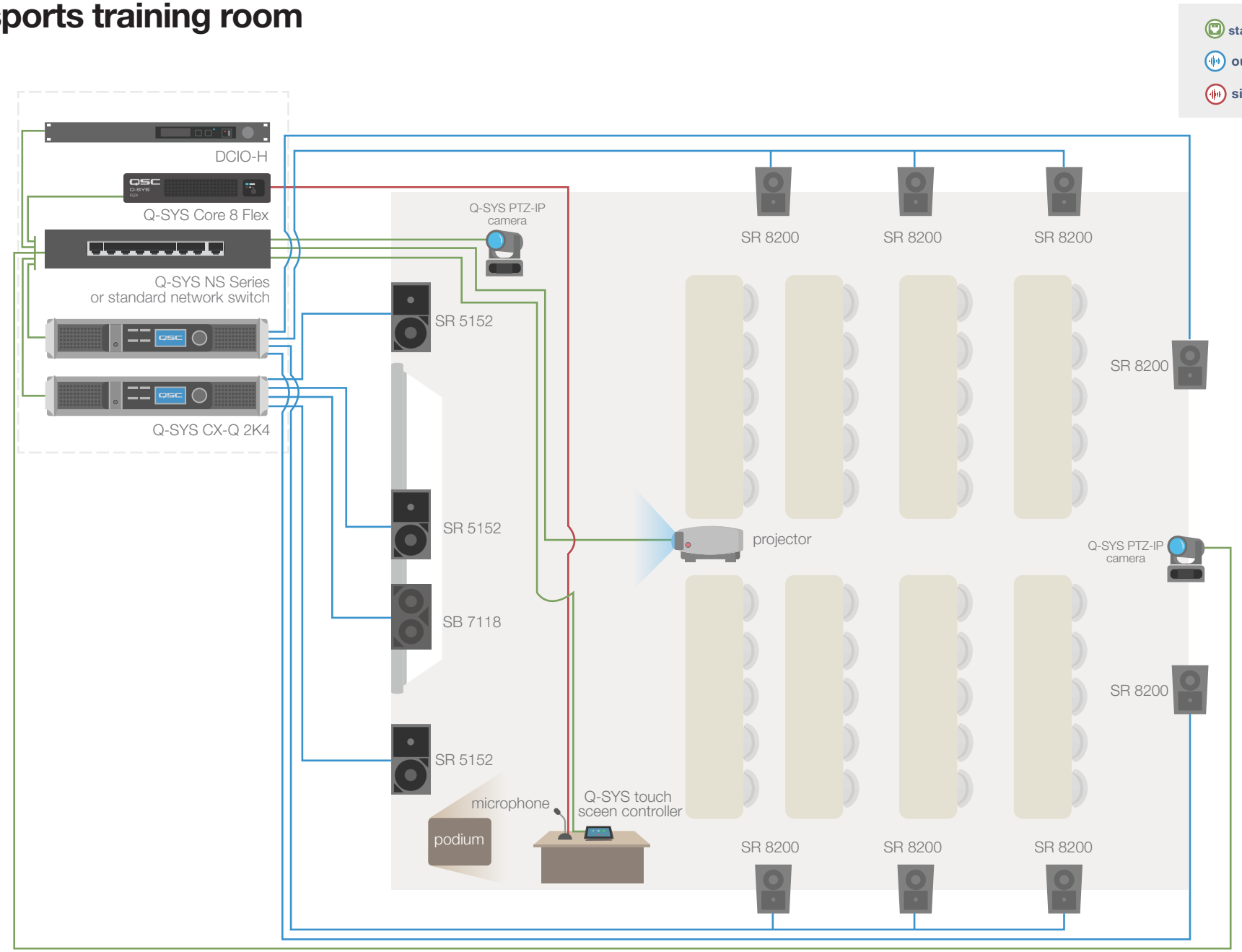
auditorium


standard CAT-5/6
signal line
HDMI
USB 2.0 or higher
output load
equipment rack
Q-SYS Core 8 Flex
Q-SYS NS Series or Standard network switch
Q-SYS CX-Q 4K4 (L/R)
Q-SYS CX-Q 4K4 (C/LS1/RS1)
Q-SYS CX-Q 4K4 (Sub1/Sub2)
Q-SYS CX-Q 4K4 (LS2/RS2/LBW/RBW)
Attero Tech by QSC unDX2IO+ network audio wallplate
SC Series loudspeakers
Perforated screen (flyable)
laptop
Q-SYS NV-32-H video endpoint
AcousticPerformance Series loudspeakers (for classroom PA)
SR Series loudspeakers
SB Series subwoofers (inset in stage)
K.2 Series loudspeakers (monitors for live performance))
Booth
Q-SYS PTZ-IP camera
Q-SYS touchscreen
Blu-ray
Q-SYS DCIO-H digital I/O
laptop
NV-32-H video endpoint
projector
Q-SYS I/O-8 Flex
QSC TouchMix-30
wireless microphones

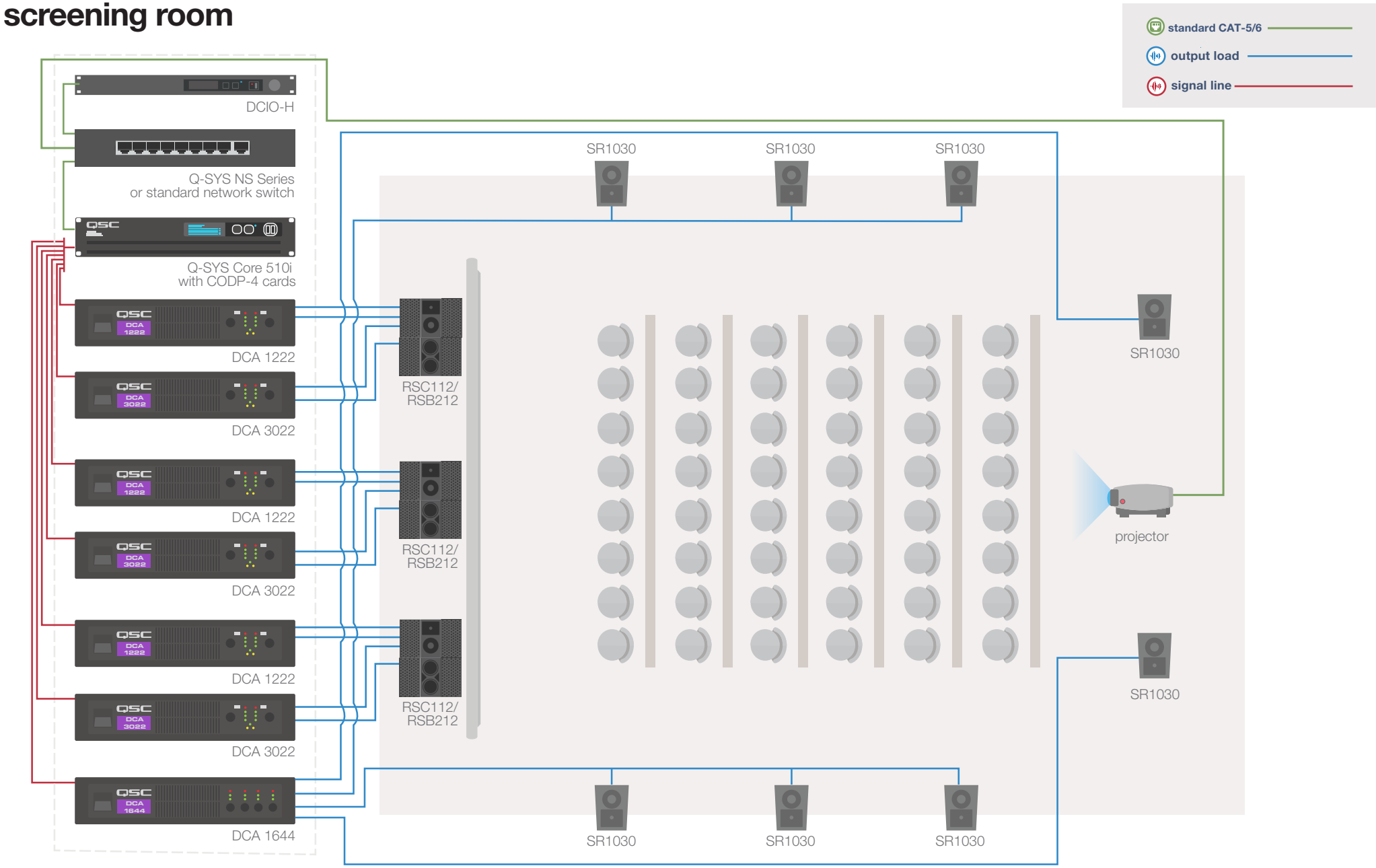
museum


standard CAT-5/6
output load
signal line
Q-SYS Core 110f
Q-SYS NS Series
or standard network switch
DCIO-H
Q-SYS CX-Q 4K4
Q-SYS CX-Q 4K4
Q-SYS CX-Q 4K4
Q-SYS CX-Q 4K4
Q-SYS CX-Q 4K4
Q-SYS CX-Q 8K8
SC424-8F
SC424-8F
SC424-8F
4 x SB 7218
SC424-8F
SC424-8F
Booth
projector

sports training room



screening room



A QSC Cinema Audiovisual Solution offers all of the benefits of high-quality QSC audio products and the Q-SYS Ecosystem to presentation spaces with stunning “cinema-like” impact and simplicity of operation.

1. Enjoy the Benefits of the Q-SYS Ecosystem.

The Q-SYS Ecosystem delivers an end-to-end audio, video and control solution for many applications.

Q-SYS allows you to monitor the health and operation of all components of a CAS from virtually anywhere. If your site has multiple facilities with CAS, you can easily monitor the performance of all components from a touchscreen interface using Q-SYS Reflect Enterprise Manager. It’s based on an IT-friendly software and hardware platform that’s inherently scalable and future-proof. Best of all, it’s easy to use, with fully-customizable user interfaces and touchscreen controllers that simplify the control experience for your staff.

2. Create the Optimal Listening Experience.

QSC Cinema systems are globally recognized for crystal-clear dialogue clarity, astonishing low frequency, and consistent high quality sonic performance – both within the room, and across all QSC-equipped rooms within your facility.

3. Maximize System Flexibility. As part of a facility-wide Q-SYS Ecosystem, CAS can be controlled and monitored from the same User Control Interface as other Q-SYS enabled systems within the facility, making all systems easier to use and control. No more running to a projection booth or control room to make adjustments during an event.

4. Scale as you Grow. Because the Q-SYS Ecosystem seamlessly integrates audio, video and control processing and management in software, it is quite simply the most flexible, scalable and extensible platform for any application or venue where you need to present cinema audiovisual audio as part of a presentation environment. Every Q-SYS Core processor in the Q-SYS Ecosystem was built on the same IT-standard architecture, has the same control engine for native and third-party control, and uses the same software suite to build and edit your system, so you'll only ever need to learn one intuitive design software. This means that you can easily add components and capabilities to your CAS without ripping out and replacing your initial investment.

QSC®

cinema audiovisual solutions

qsc.com/systems/solutions/**cas**

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