

Higher Education Solutions



Colleges and universities across the globe share a common goal of delivering the **best on-campus and online learning experiences** for students and teachers, which is increasingly dependant on innovative AV technology.



Distance learning, in-classroom voice-lift, network video distribution, multi-use spaces, campus-wide paging, and background music distribution are just a few of the applications needed to support a modern campus.

Q-SYS delivers an **end-to-end audio, video and control solution** for higher education applications, from remote learning technology and small classrooms to sprawling lecture halls and performance venues.

Q-SYS will also help your institution move away from single-purpose AV hardware in favor of **centralized, scalable software-based AV solutions**.



Q-SYS is a fully integrated, software-based audio, video & control platform that enables applications across campus. From small classrooms and hybrid learning environments to sprawling lecture halls and performance venues, Q-SYS delivers an intuitive experience for students and staff alike.



Software-based Architecture

The Q-SYS Platform leverages the power of Intel to deliver features and functionality at the software level, removing the need for cumbersome, single-purpose hardware found in traditional AV systems.



Training Made Easy

Only one software platform to learn, regardless of your system size, combined with fun (and free), award-winning, live and on-demand training.



Flexible Processing Topology

Centralize AV&C processing for multiple spaces or deploy standalone AV systems in mission-critical spaces.



Monitoring and Management

Evaluate the health of your campus' entire AV system room from a single pane of glass and provide remote helpdesk support.



Command the Experience

Provide instructors and volunteers with intuitive room and environmental control, thanks to Q-SYS full featured control engine.



Design for your Learning Environment

Right-size your AV system based on room size, technology needs or budget.



Universal Platform Support

Q-SYS is certified for use with major communications platforms and integrates with any web conferencing application via single, driverless USB.

Applications and Infrastructure across campus



web conference
integration



voice
reinforcement



remote lecture
& capture



device control



video
collaboration



network video
streaming



paging



redundancy



monitoring



background
music



divisible
rooms



multichannel
audio



live performance
streaming

Whether it's a small classroom or large lecture hall, the fundamental needs are the same - instructors should be able to walk into the room and command the learning experience for the students without worrying about the technology.

Q-SYS provides intuitive plug-and-play integration for classroom and remote learning, including local reinforcement, video collaboration, web conferencing, outputs for lecture capture, and simplified room control.



Audio Integration For Web Conferencing Apps

Standard CAT-5/6

USB 2.0 or Higher

Mic/Line

Loudspeaker

HDMI

GPIO

Server Room



Q-SYS Core Nano processor



Q-SYS NS Series
or standard network switch



Q-SYS SPA Series amplifier



Q-SYS QIO GP 8x8
network I/O expander

Podium Rack



Q-SYS NS Series
or standard network switch

Room PC



Q-SYS QIO ML4i
network I/O expander



Wireless microphones

Q-SYS AcousticDesign™
Series loudspeakers

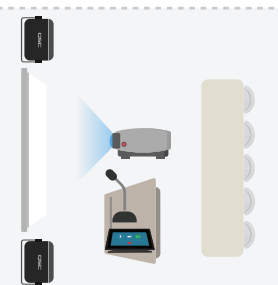
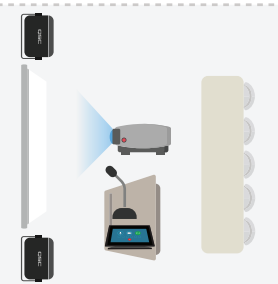
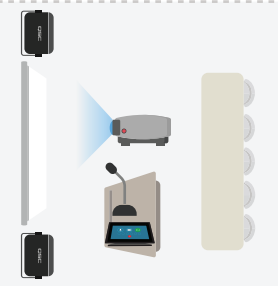
Projector

Wired
microphone

Q-SYS
touch screen
controller

Podium
rack

The Q-SYS Core Nano processor has the capacity to provide audio, video and control processing, with expanded utility when paired with Q-SYS Scaling Licenses and Q-SYS QIO network I/O expanders.



USB Integration for distance learning



Web Conference
Integration



Voice
Reinforcement

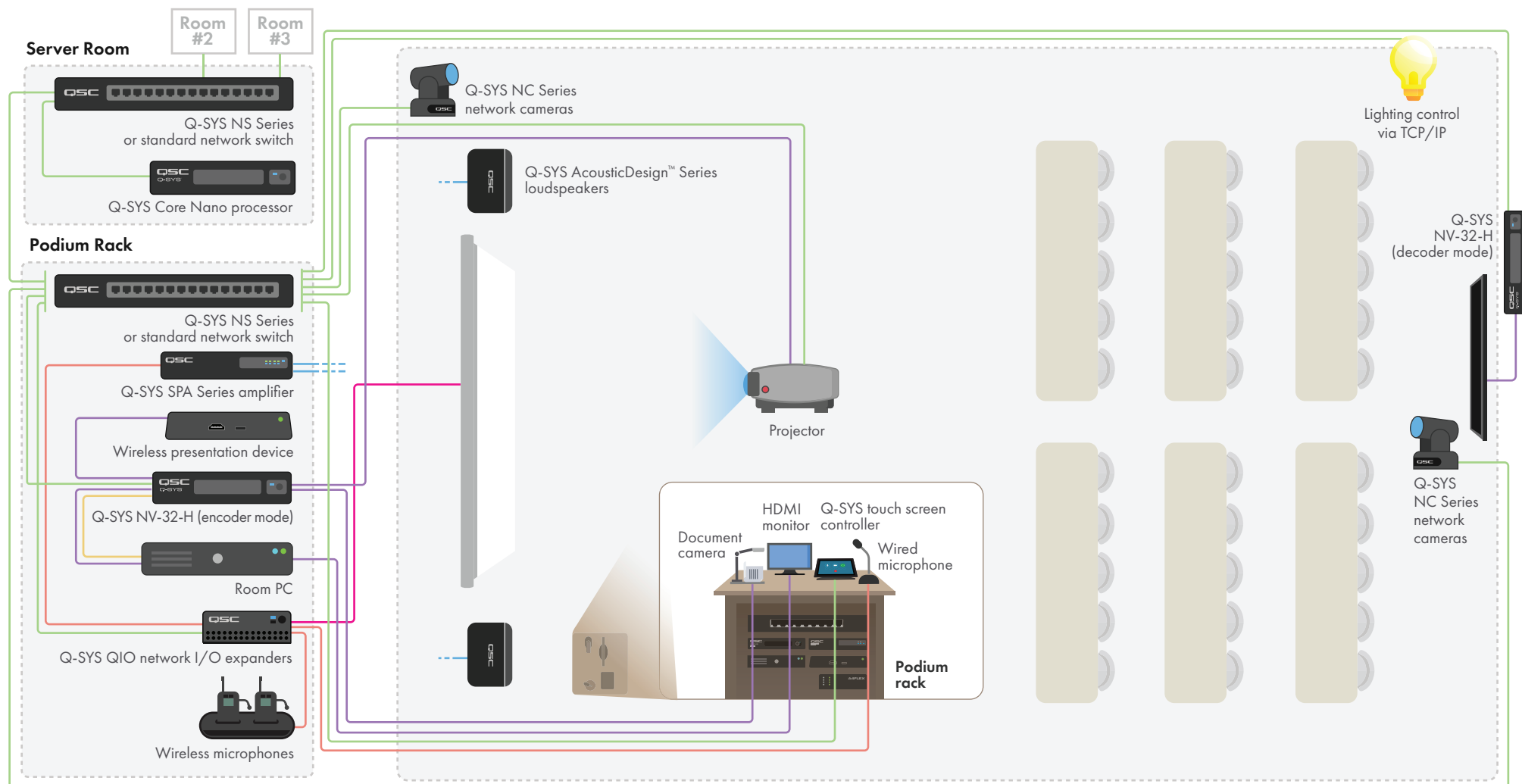


Device
Control



Monitoring

Audio/Camera Integration For Web Conferencing Apps



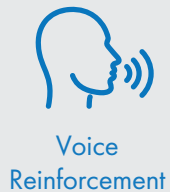
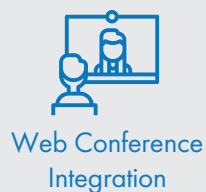
USB Integration for distance learning



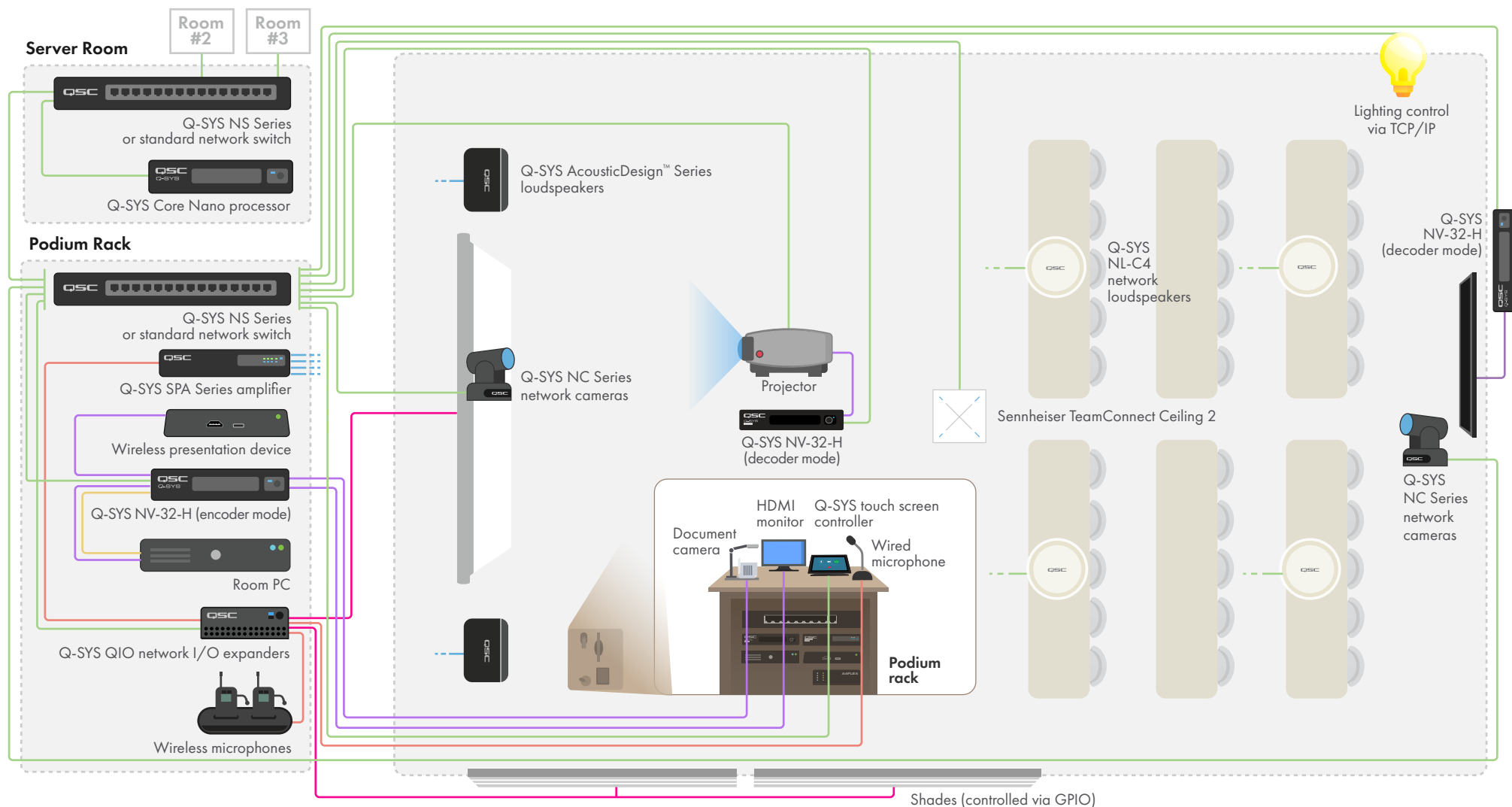
zoom



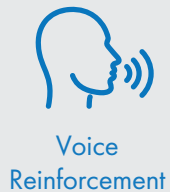
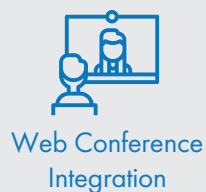
Cisco
webex



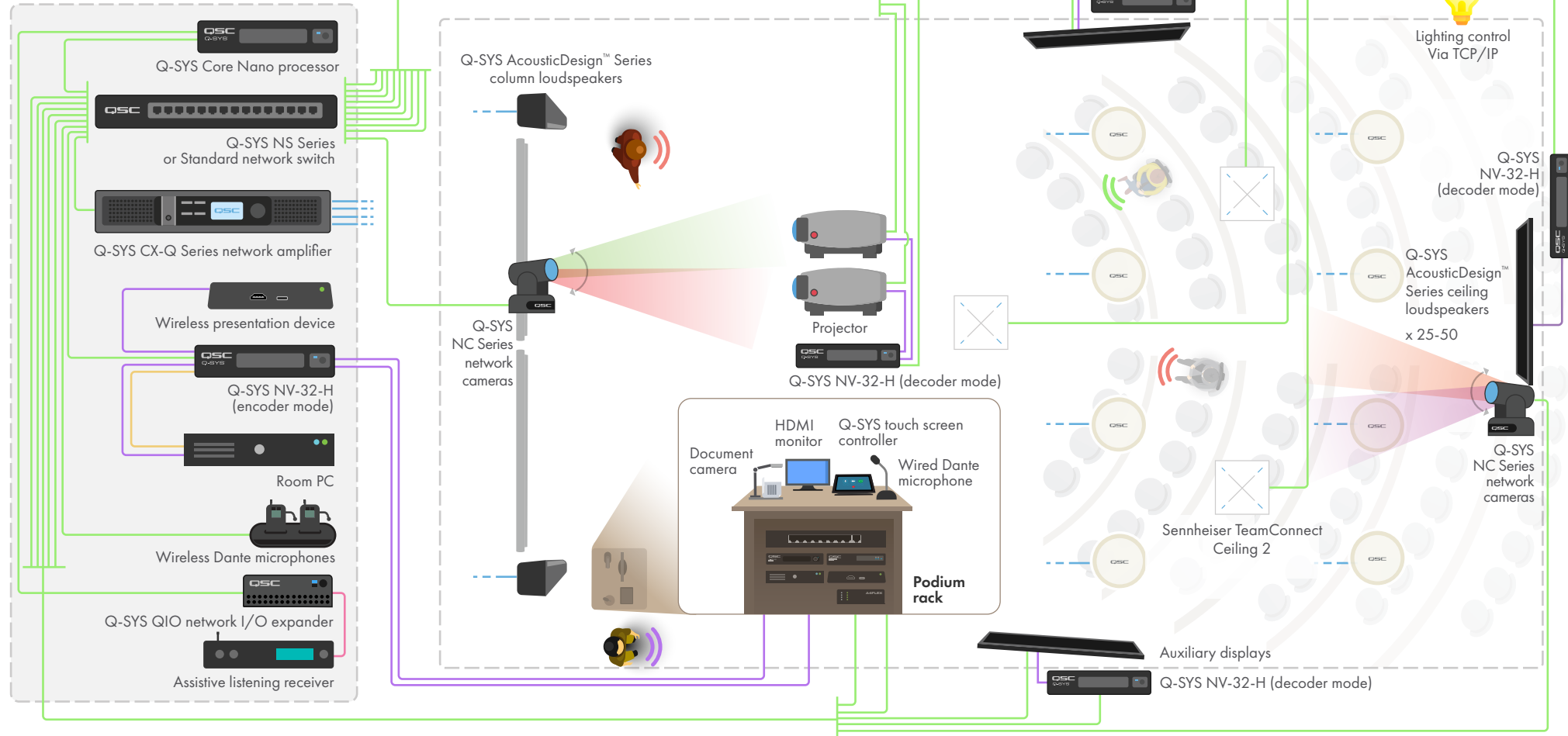
Audio/Camera/Video Integration For Web Conferencing Apps



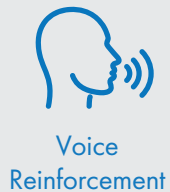
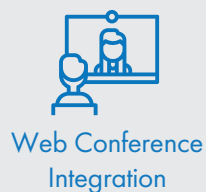
USB Integration for distance learning



Podium rack



USB Integration for distance learning



Stay connected with students across campus with Q-SYS comprehensive, paging platform.
Monitor AV for your entire campus with Q-SYS Reflect Enterprise Manager
remote monitoring & management solution.



Campus-wide Paging



Ethernet



USB 2.0 or Higher



Mic/Line



Loudspeaker

Main paging system (data center)



Q-SYS NS Series
or standard network switch



Q-SYS Core 510i processor
(Backup)



Q-SYS Core 510i processor
(Primary)



**Q-SYS ENTERPRISE
REFLECT MANAGER**
Remote monitoring and management

Campus
Network

Building-wide paging



Q-SYS NS Series
or standard network switch



Q-SYS Core 510i processor



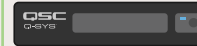
Q-SYS CX-Q Series network amplifier



Classroom #1



Q-SYS NS Series
or standard network switch



Q-SYS Core Nano processor

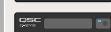


Audio, video & control peripherals

Classroom #2



Classroom #3



Emergency operations center



Q-SYS NS Series
or standard network switch



Q-SYS touch screen
controller



Paging



Background
Music



Monitoring

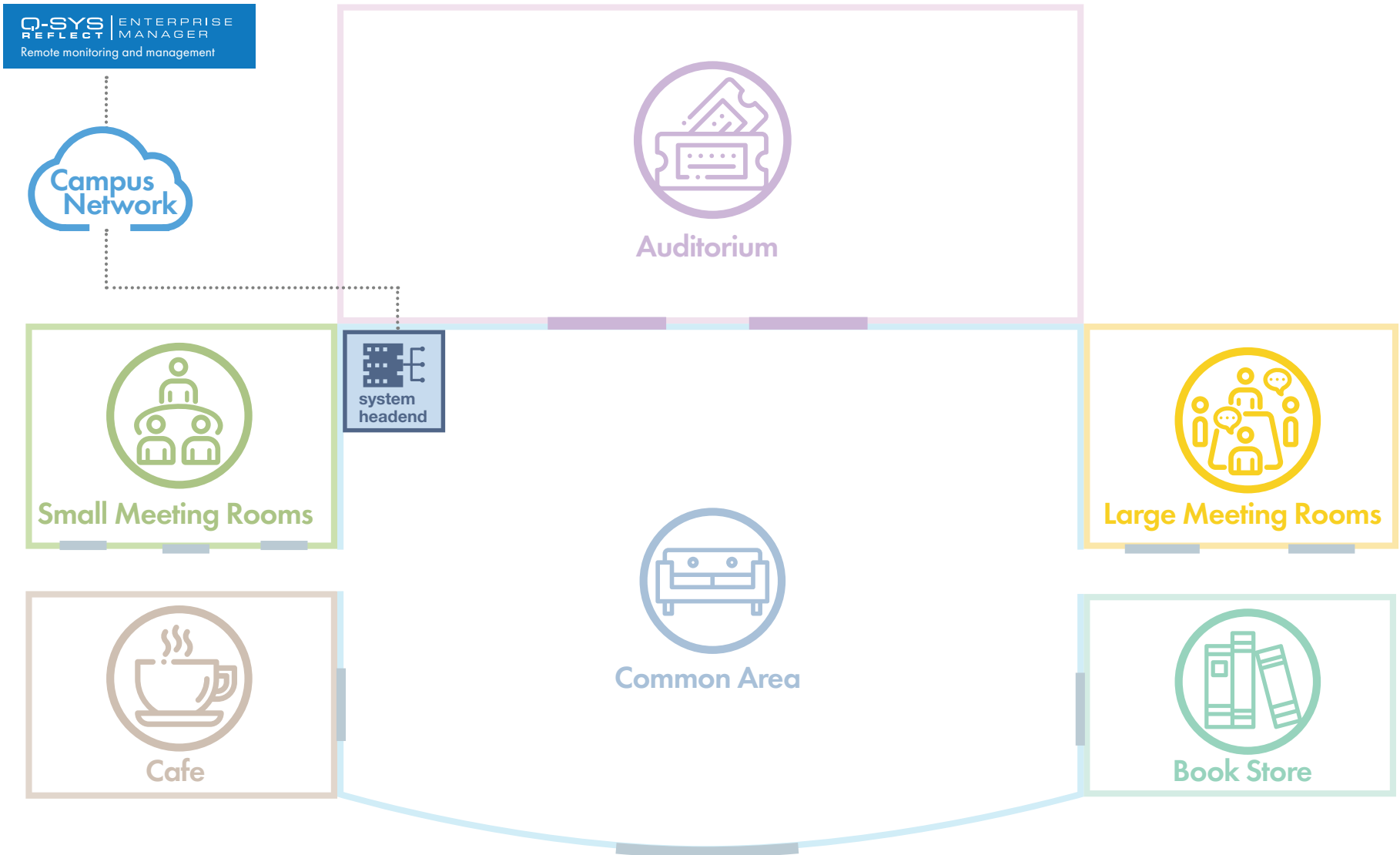


Redundancy

Your campus supports a vibrant mixture of learning, collaboration, congregation and performance. Q-SYS is designed to **support the nuances of all these spaces**, regardless of their size, and can often times use **centralized processing** and networked endpoints to maximize the potential of the campus system.



Student Union Building





System Headend



Q-SYS NS Series or standard network switch



Q-SYS Core 510i processor (primary)



Q-SYS Core 510i processor (back up)



Q-SYS CX-Q Series network amplifier



Q-SYS CX-Q Series network amplifier



Q-SYS AcousticDesign™
Series column-mount
loudspeakers



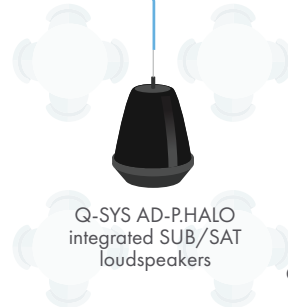
Attero Tech by Q-SYS
unB6IO-BT wall plate



Q-SYS touch screen
controller



Attero Tech by Q-SYS
unDX2IO+ wall plate



Q-SYS AD-PHALO
integrated SUB/SAT
loudspeakers

Q-SYS touch screen
controller



Q-SYS network
page station



Background
Music



Voice
Reinforcement



Paging



Device Control



Redundancy



Monitoring

Student Union Building



Cafe



Book store



Standard CAT-5/6



Loudspeaker

Common area
system headend



Equipment



Q-SYS AcousticDesign™ Series
pendant-mount SUB/SAT loudspeakers



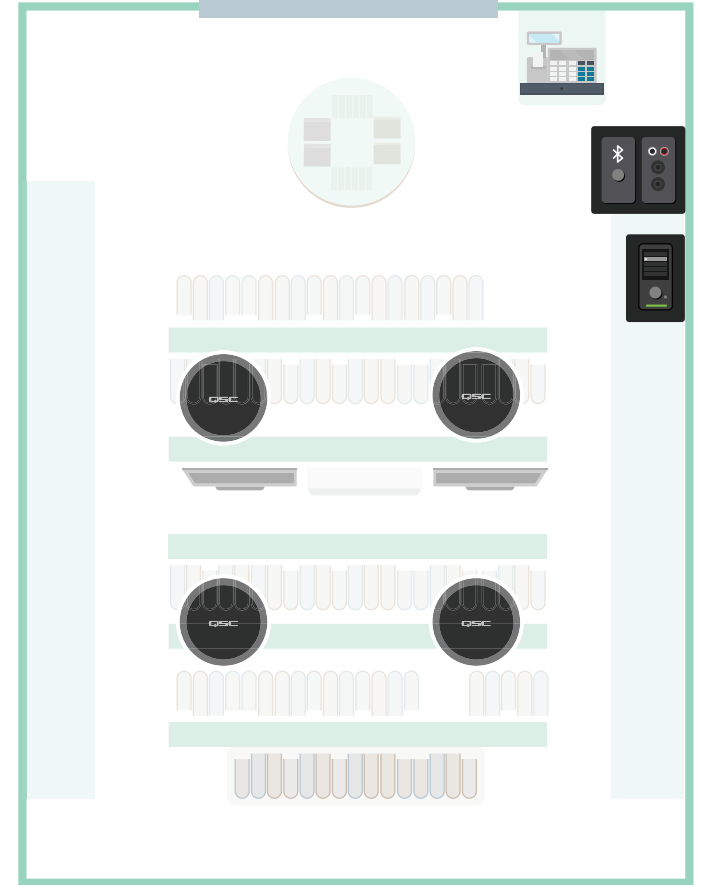
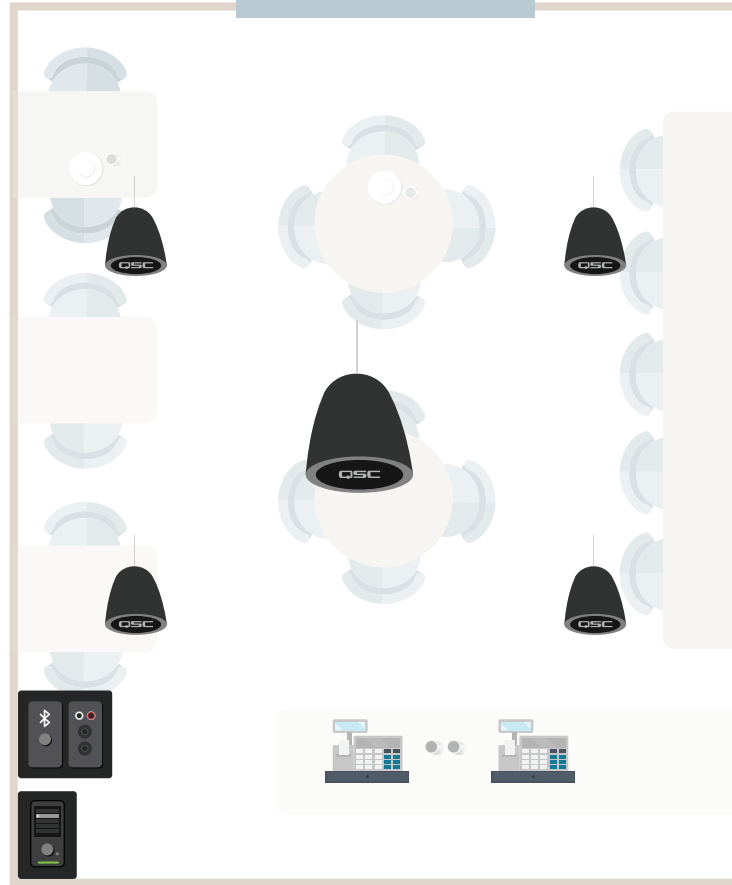
Q-SYS AcousticDesign™ Series
ceiling-mount loudspeakers



Attero Tech by Q-SYS
unD6IO-BT wall plate



Attero Tech by Q-SYS
Axon C1 controller



Background
Music



Voice
Reinforcement



Paging



Monitoring



Ethernet



USB 2.0 or Higher



HDMI



Mic/Line

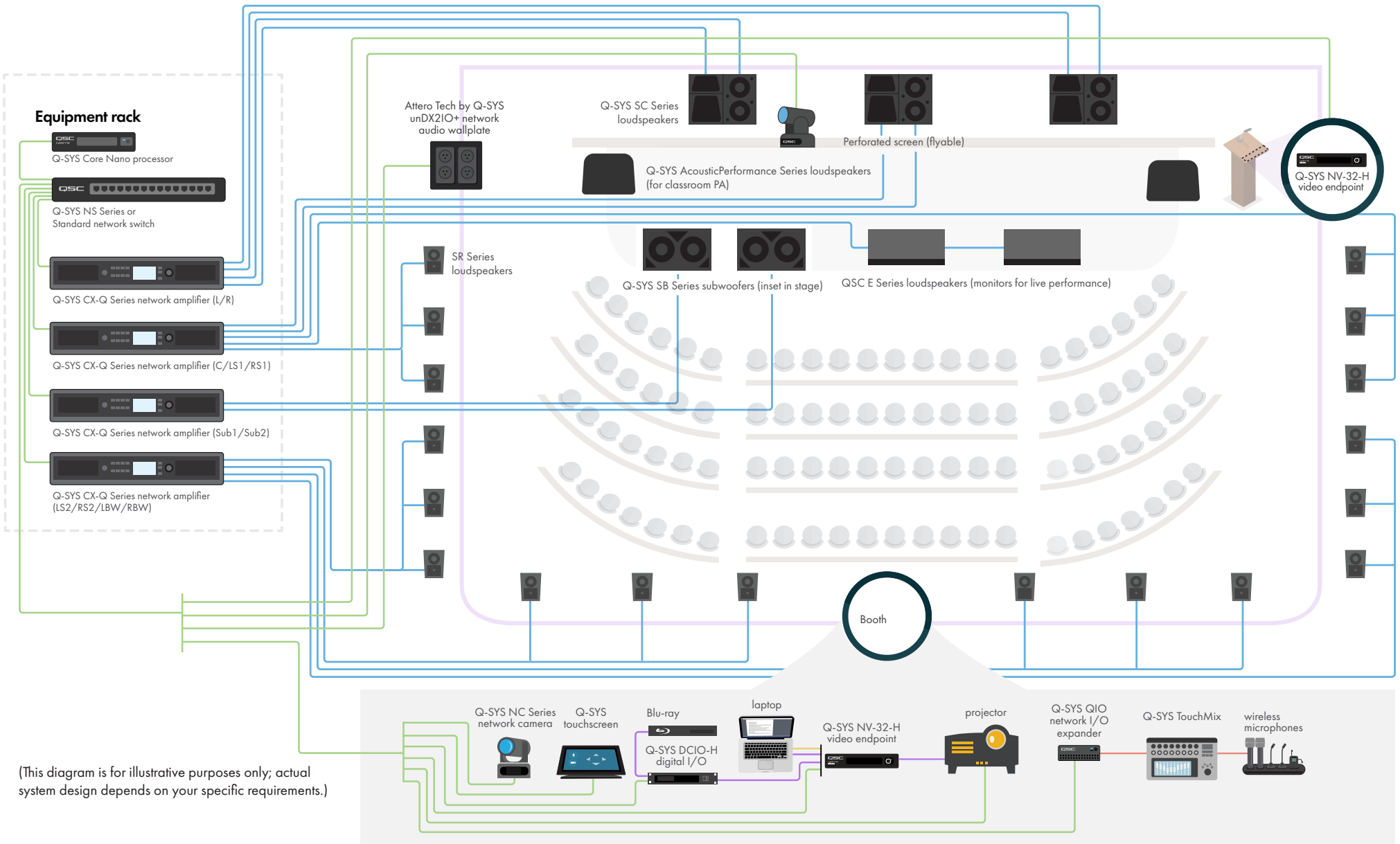


Loudspeaker



Student Union Building

Multi-purpose sound reinforcement and multi-channel AV system



Student Union Building

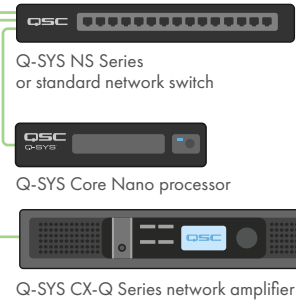


Small Divisible Meeting Rooms

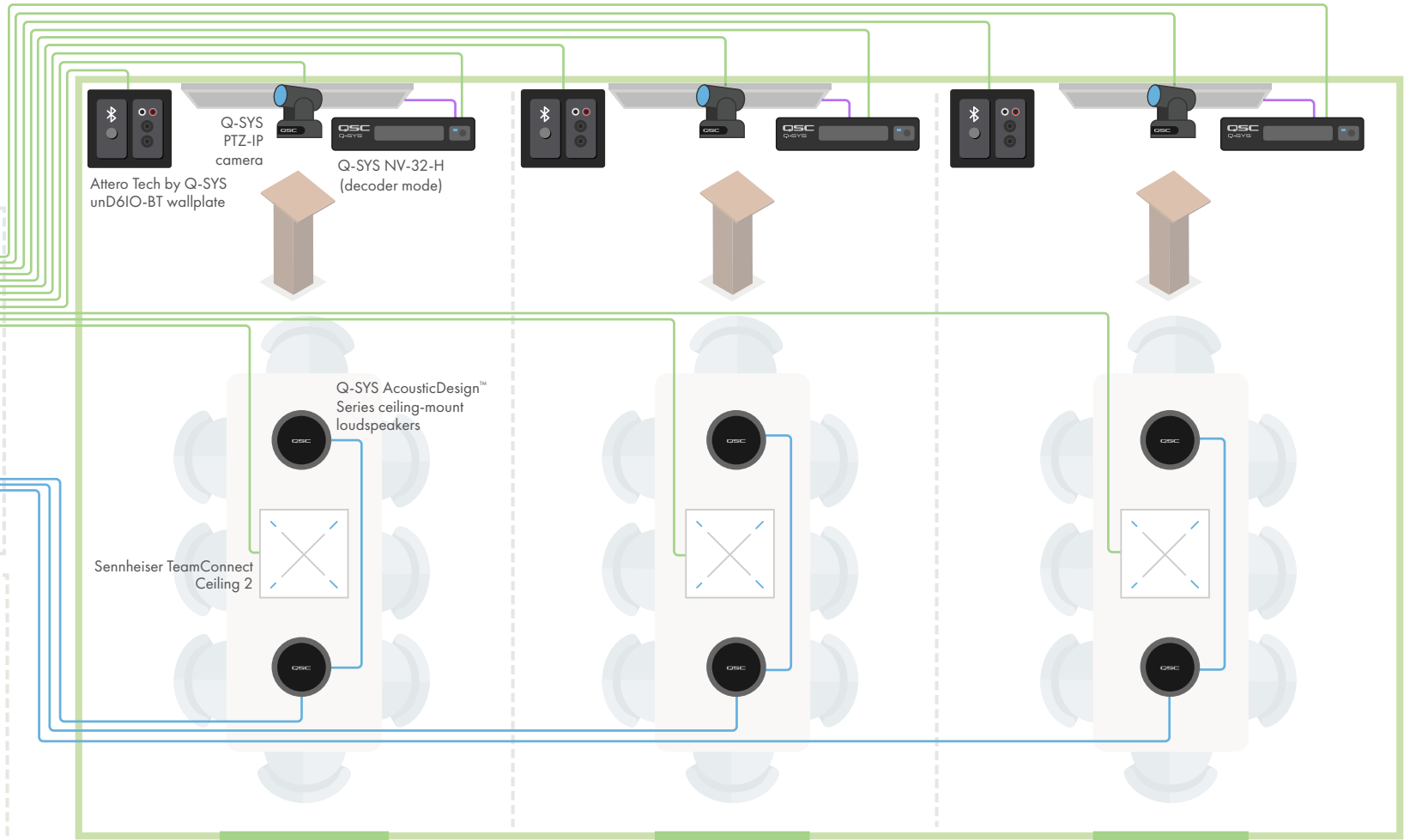
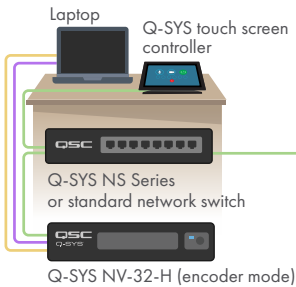
Common area system headend



Equipment Rack



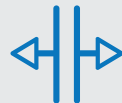
Lectern



Web Conference
Integration



Voice
Reinforcement



Divisible
Rooms



Network Video
Streaming



Video
collaboration



Monitoring

Student Union Building



Large Multipurpose Rooms

Standard CAT-5/6

Mic/Line

HDMI

USB 2.0 or Higher

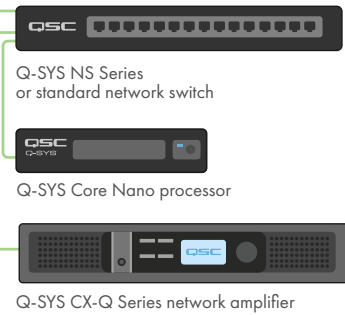
Loudspeaker

Air Wall

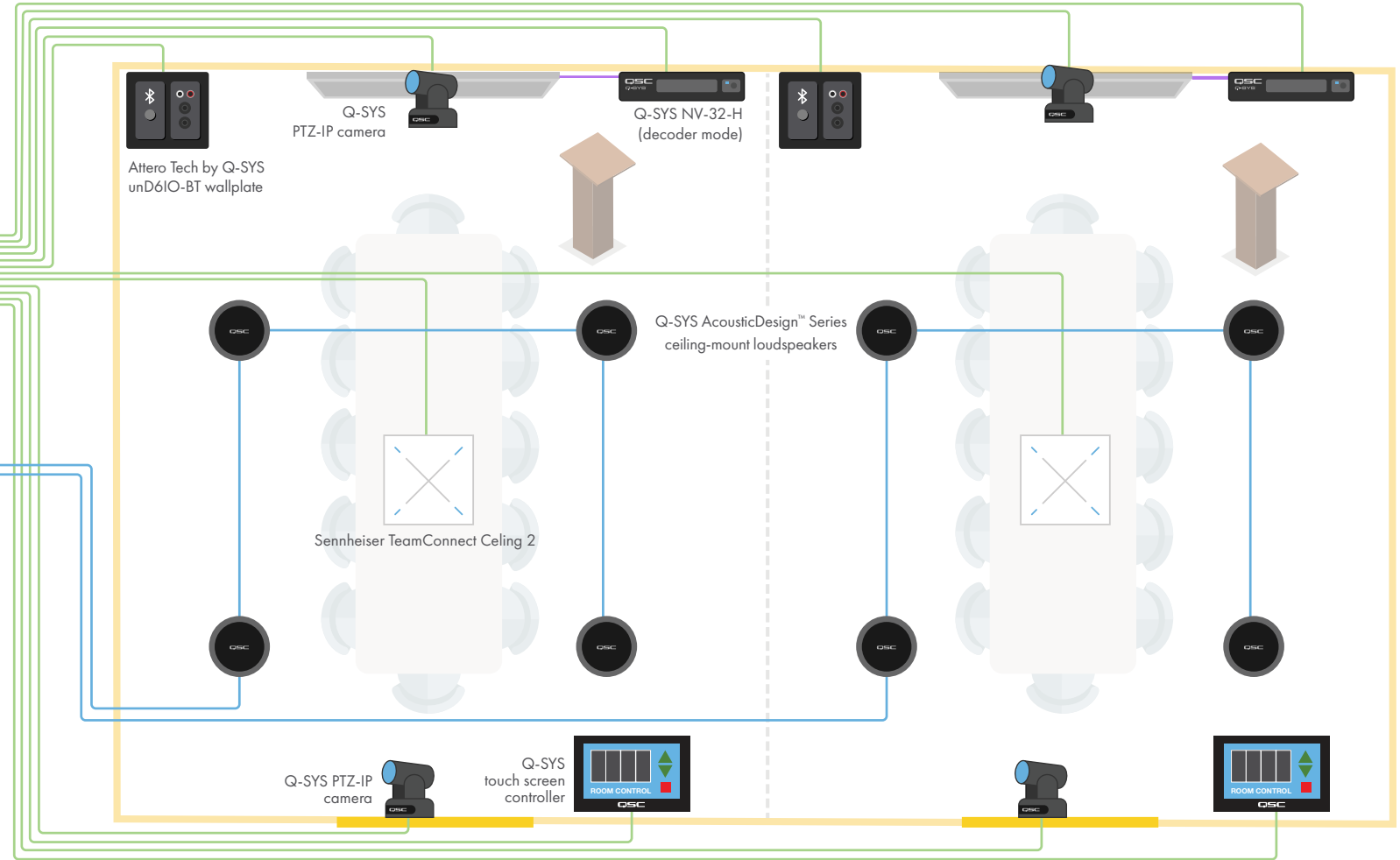
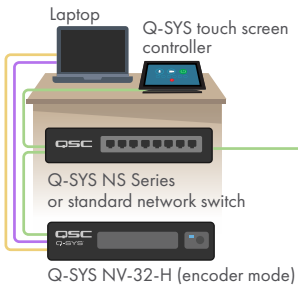
Common area system headend



Equipment Rack



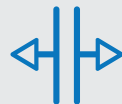
Lectern



Web Conference
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Voice
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Divisible
Rooms



Network Video
Streaming



Video
collaboration



Monitoring

Customizable user interfaces

Simplify the control experience

for your staff



Q-SYS Equipment found in this guide

Click on each [product name](#) to learn more or go to [QSYS.com](#)

Q-SYS processing

[Q-SYS Core Nano](#)

Audio, video and control (AV&C) processor; ideal for spaces with lower channel count and network I/O



[Q-SYS Core 510i](#)

Audio, video and control (AV&C) processor; ideal for spaces with higher channel count and a mixture of analog and network I/O



Q-SYS audio

[CX-Q Series](#)

Network amplifiers, available in 4- and 8-channel models, delivering a total maximum power of up to 8000 W



[Q-SYS QIO Series network I/O expanders](#)

Network I/O peripheral allows for integration of analog mic/line and/or USB audio into network AV systems



Q-SYS video & control

[Q-SYS NV-32-H](#)

Network video endpoint, serving as a multi-stream, software-configurable HDMI encoder/decoder



[Q-SYS NC Series network cameras](#)

Network conference cameras with resolutions up to 1080p60 motorized pan, tilt and zoom for complete room coverage and privacy



[Q-SYS NL-C4 network loudspeaker](#)

Network conference cameras with resolutions up to 1080p60 motorized pan, tilt and zoom for complete room coverage and privacy



[Q-SYS TSC Series](#)

Network touch screen controllers provide customizable room control via user control interface (UCI) tabletop or wall-mount options available



[DCIO-H](#)

Digital input/output device analog inputs/outputs, HDMI in/out, and Dolby Audio™ and DTS-HD® decoding



Q-SYS Integration

[Atterro Tech by Q-SYS Axon A4FLEX](#)

AES67 scalable mic/line connectivity interface features four mic/line inputs (or 2 x 2 I/O) with a 2 x 2 USB audio interface and integrated 10 W power amplifier



[Atterro Tech by Q-SYS unD6IO-BT](#)

Dante/AES67 network audio interface allows for integration of analog audio devices via Bluetooth, RCA or 3.5 mm into network AV systems



[Atterro Tech by Q-SYS unDX2IO+](#)

Dual-gang Dante/AES67 network audio interface offering two balanced mic/line XLR inputs and two balanced XLR line outputs



[Atterro Tech by Q-SYS Axon C1](#)

Single-gang, wall controller for networked AV systems, offering simple control of volume, mute and preset recall



Q-SYS monitoring

[Q-SYS Reflect Enterprise Manager](#)

Powerful, simple-to-use monitoring and management platform for Q-SYS audio, video and control systems



Q-SYS loudspeakers

[AcousticDesign™ Series](#)

Ceiling, pendant and surface-mount loudspeakers specifically tailored for the demands of high-fidelity applications, such as voice reinforcement or background music



[AD-P.HALO](#)

Integrated SUB/SAT pendant loudspeaker system, featuring a 6.5" subwoofer and four 2.75" satellite transducers in a single enclosure



[AcousticPerformance Series](#)

Installation loudspeakers for applications requiring high SPL and full bandwidth performance, such as performance venues



[K.2 Series™](#)

Premium active loudspeakers for both portable and installed applications



[SC Series](#)

2, 3, and 4-way loudspeakers for behind screen applications



[SB Series](#)

Powerful subwoofers for extended low frequency performance



[SR Series](#)

High performance surround loudspeakers providing even coverage throughout the room



Q-SYS analog amplifiers

[SPA Series](#)

small format, 1/2-RU amplifiers delivering 2- or 4-channels of up to 200 W per channel



Q-SYS digital mixers

[TouchMix™ Series](#)

Small-format digital mixers, perfect for musicians, bands, AV production professionals and small performance venues





www.qsys.com/highered

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