



Higher Education Solutions





Integrated Audio, Video and Control

Q-SYS is a singular platform, offering advanced DSP processing, flexible AV routing and robust control engine, providing you with a blank canvas to design a truly unique experience in any space. Whether it's centralized or a standalone system, Q-SYS has the flexibility to manage every application across campus.



One Software Platform

With Q-SYS, there is just one software to learn: Q-SYS Designer. Configure the DSP, route audio and video and build intuitive user control interfaces in a single suite of tools that enables ANY installation type, regardless of size.



Elevate Hybrid Experiences with AI

From intelligent presenter tracking to intelligent audio-based camera switching, Q-SYS VisionSuite uses multimodal AI to improve the visibility of in-room participants to promote a natural viewing experience for the far-end, empowering teams to feel united and stay engaged no matter where they are.



Third-party Device Integration

Q-SYS offers a growing library of third-party device plugins, supporting lighting, media systems, HVAC and more allowing you to design a holistic AV experience in any space.



Remote Monitoring and Management

Q-SYS Reflect lets you remotely monitor your Q-SYS systems, including connected third-party devices, to help you diagnose and troubleshoot issues before sending a technician to the site.

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.

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.

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.

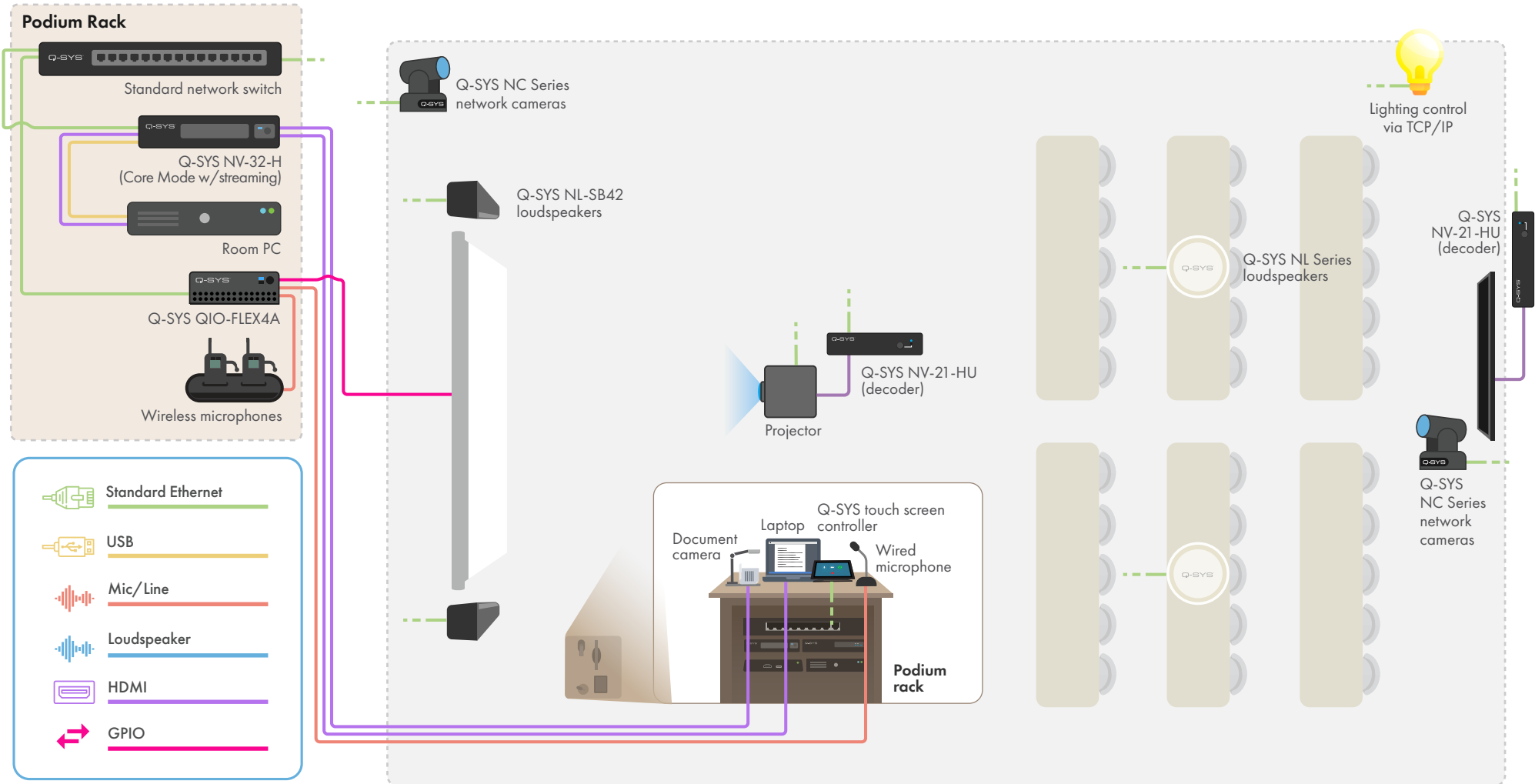
Q-SYS enables you to design to the needs of each unique space, including:

- local audio reinforcement
- network video routing
- intelligent audio-based camera switching
- seamless UC platform integration
- outputs for lecture capture
- simplified room control



UC Platform Integration for Hybrid Classroom

- Q-SYS integrates with any major UC platform via USB
- USB connection (Room PC to Q-SYS network video endpoint) bridges room's audio and camera feeds to the UC Platform
- Q-SYS and third-party device control from a single user interface
- Deploy as many Q-SYS network cameras as needed
- Voice reinforcement
- Remote monitoring and management for systems across campus



Q-SYS VisionSuite elevates hybrid learning experiences to the next level.

Pair intelligent audio and video with the integrated Q-SYS

Control engine to equip your system with complete automation of native Q-SYS devices and other third-party room devices. Imagine a presenter triggering light changes, or toggling power on a display simply by walking into a specific area of the room. The possibilities with vision-based automation are endless.

Intelligent audio-based camera switching features use of in-room microphones to automatically switch between in-room cameras, recalling appropriate camera presets and framing up the best suited shot possible.

Intelligent presenter tracking leverages computer vision-based scene analysis and adaptive full-body tracking to autonomously follow and frame a presenter for more natural viewing experiences.

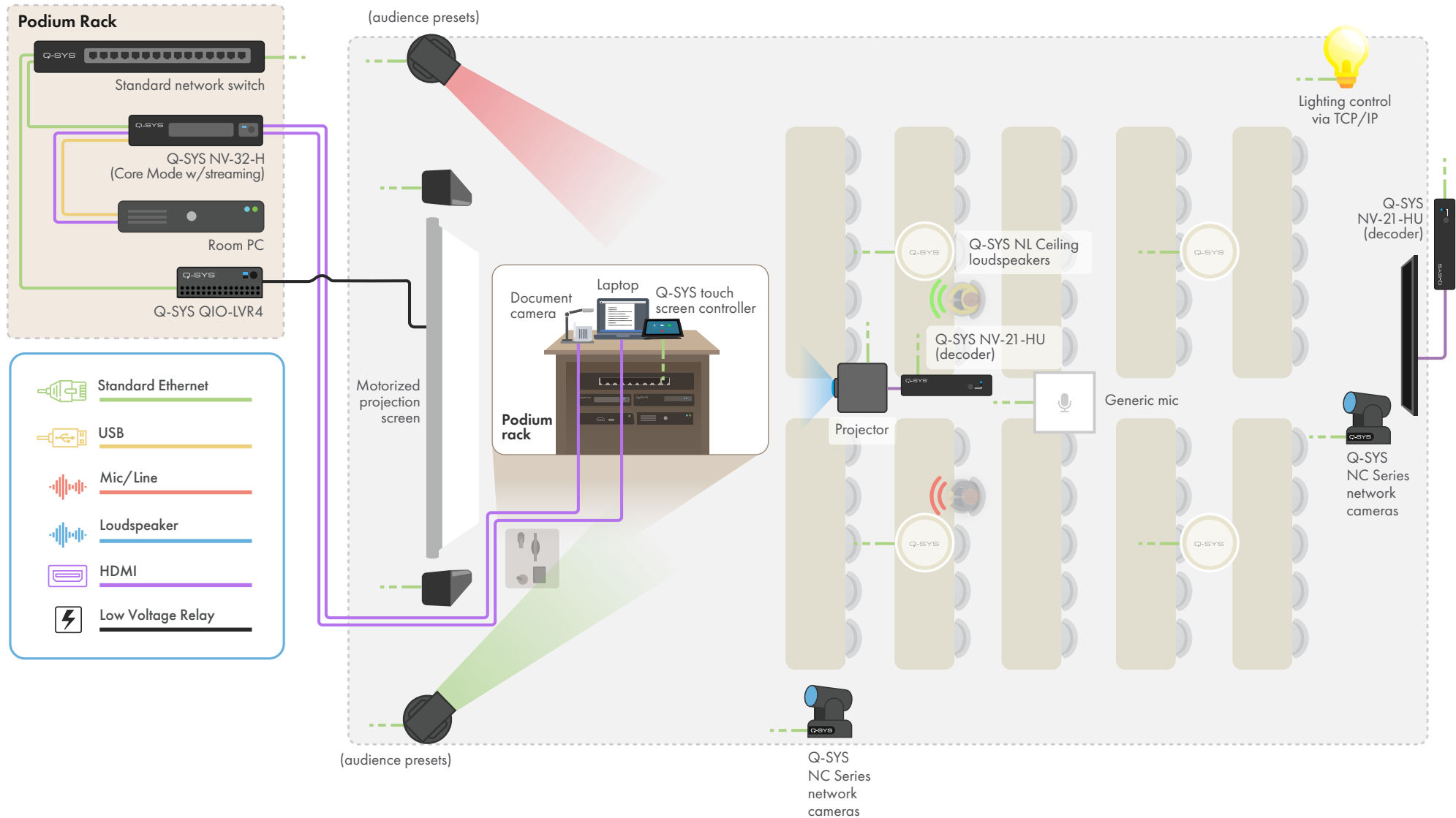


Q-SYS™ VISIONSUITE



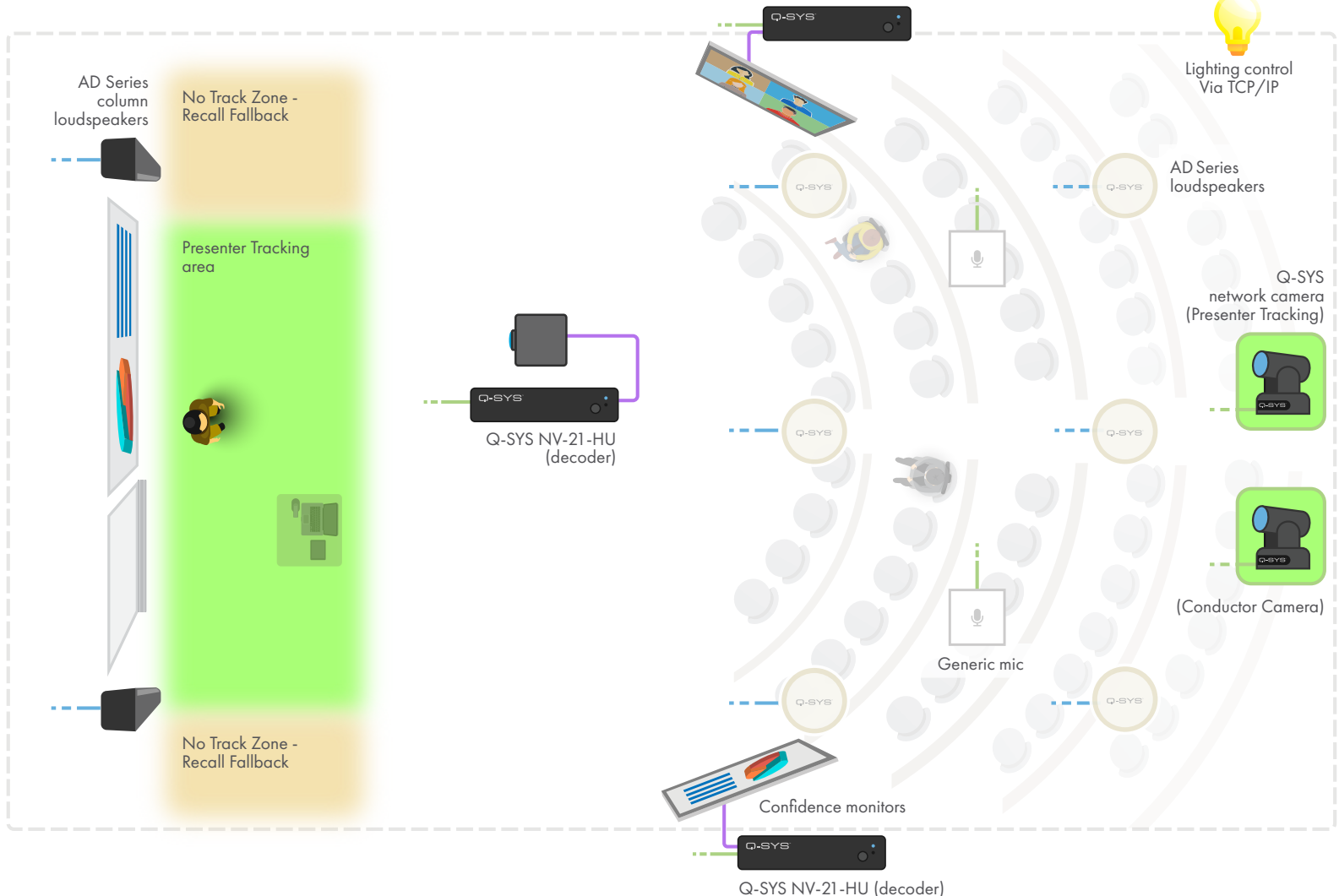
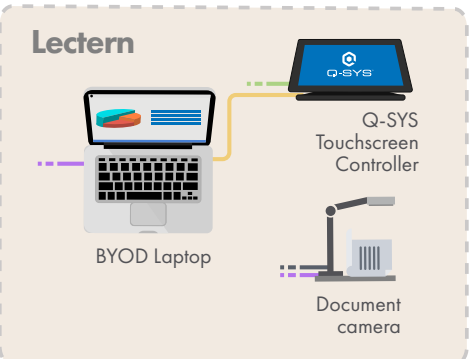
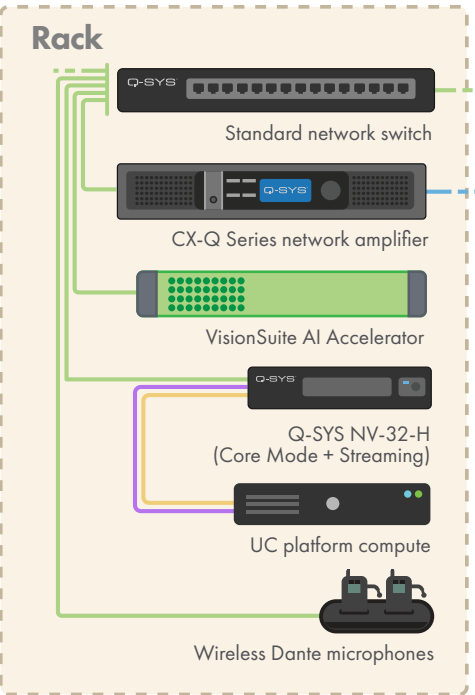
Hybrid Classroom with Audio-based Camera switching

- Intelligent audio-based camera switching ensures the active talker is always seen by the far end
- NV-32-H network video endpoint encodes up to three HDMI sources to the network and bridges the room's audio and camera feeds to the far end via driverless USB.
- Deploy as many Q-SYS network cameras as needed



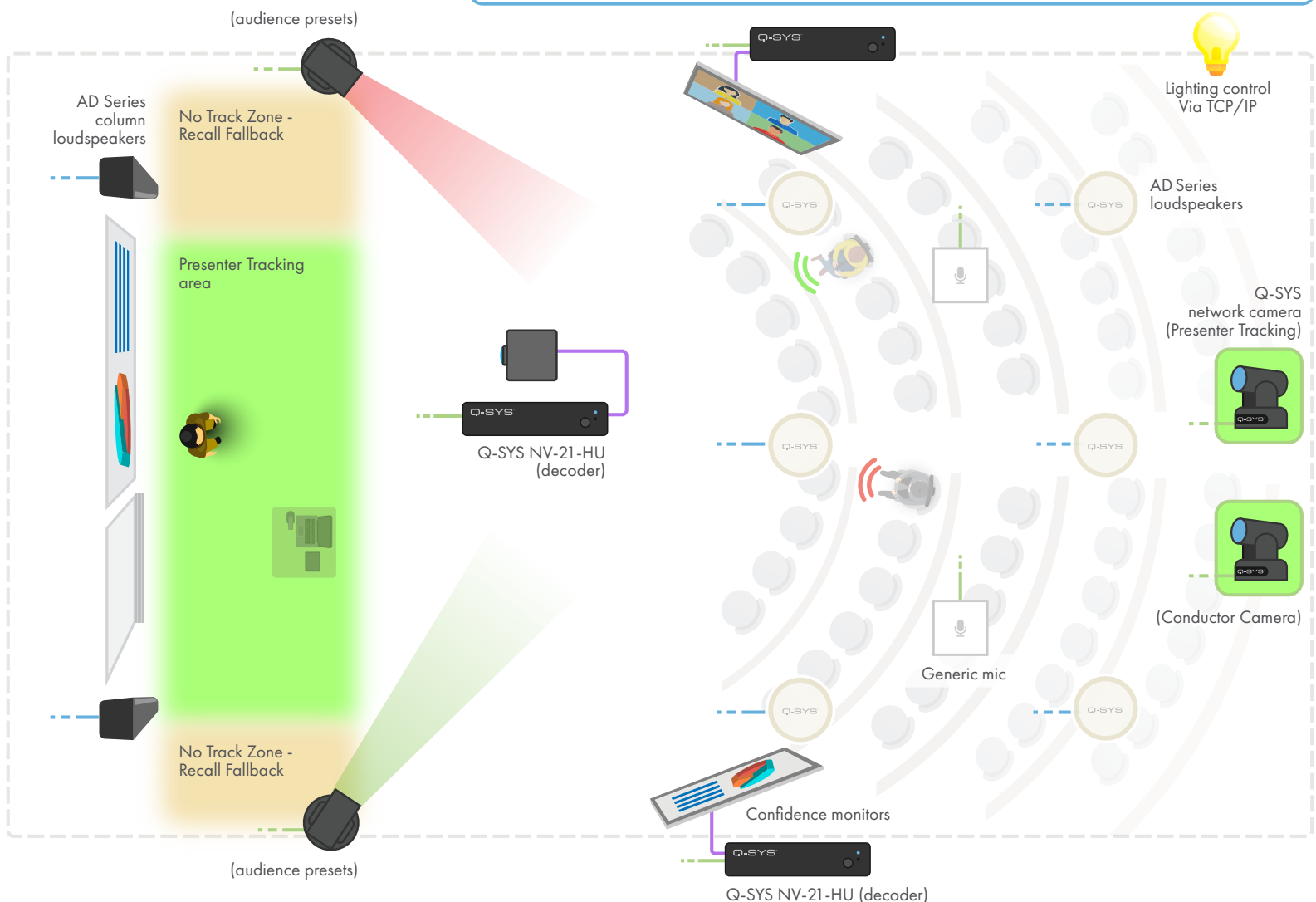
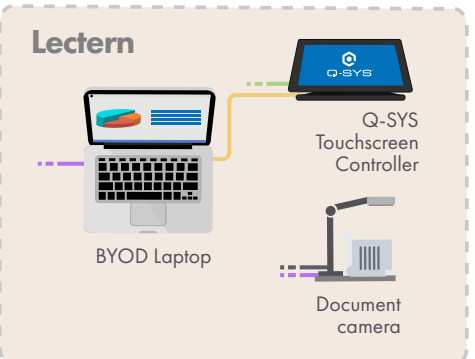
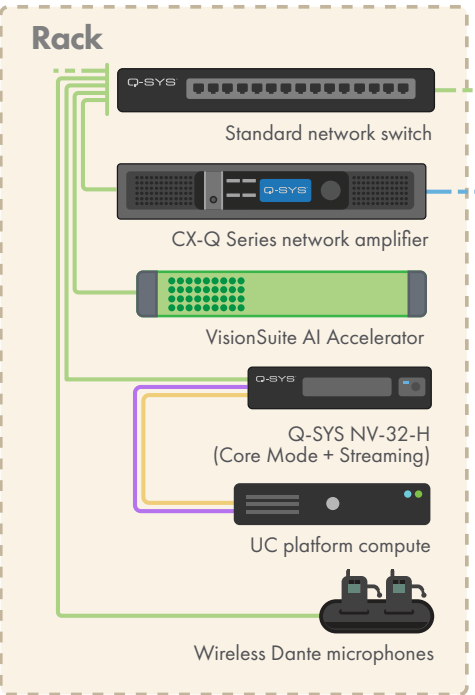
Lecture Space with Intelligent Presenter Tracking

- Q-SYS network camera (Presenter Tracking) automatically follows and frames the lecturer resulting in a more natural viewing experience for remote attendees
- Leverage Q-SYS Control engine to automate the experience based on how the space is used



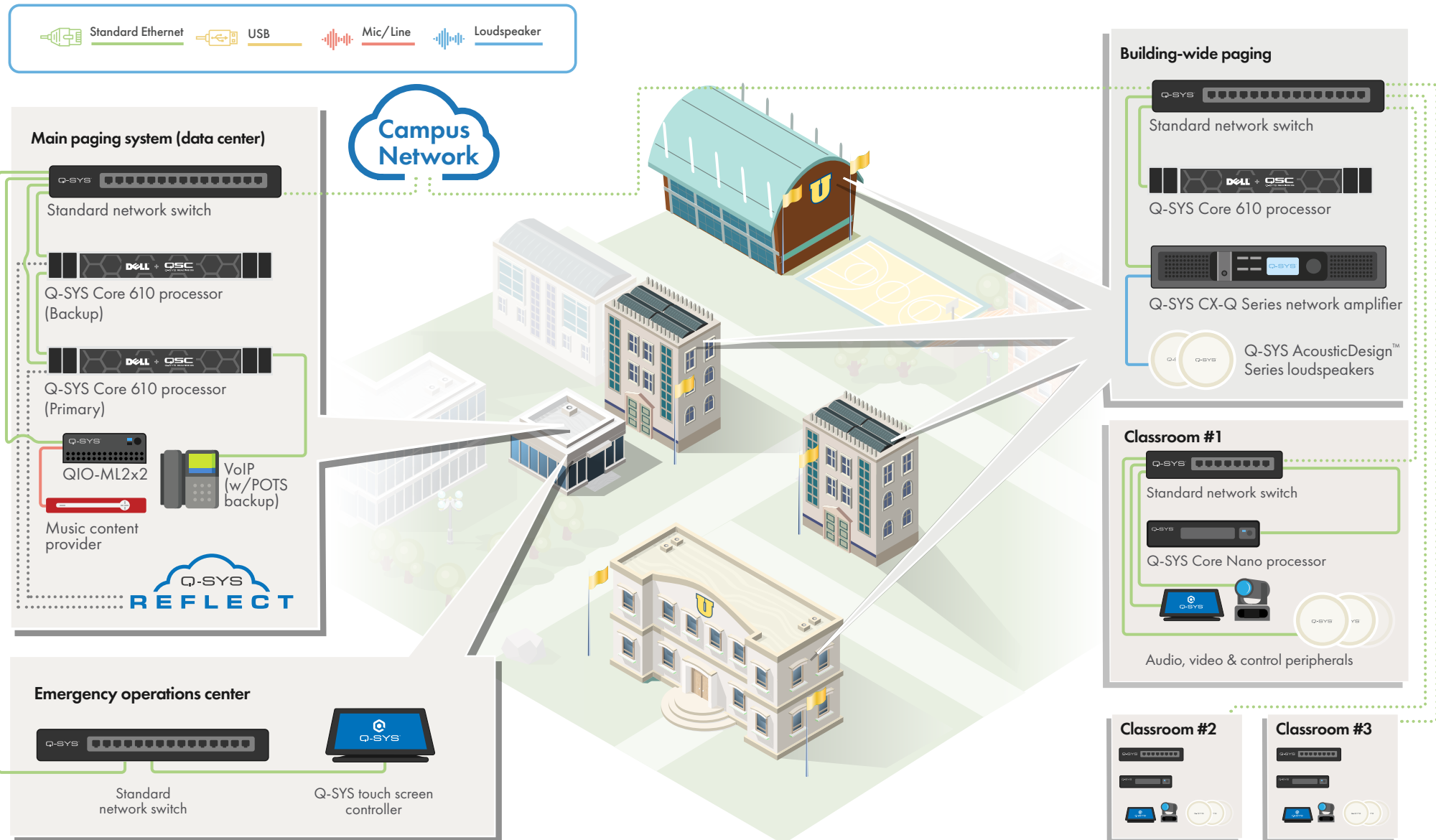
Lecture Space with Intelligent Presenter Tracking + Audio-Based Camera Switching

- Q-SYS network camera (Presenter Tracking) automatically follows and frames the lecturer resulting in a more natural viewing experience for remote attendees
- Q-SYS leverages audio location data from the connected microphones to automatically recall audience camera presets so the far end always sees the active talker



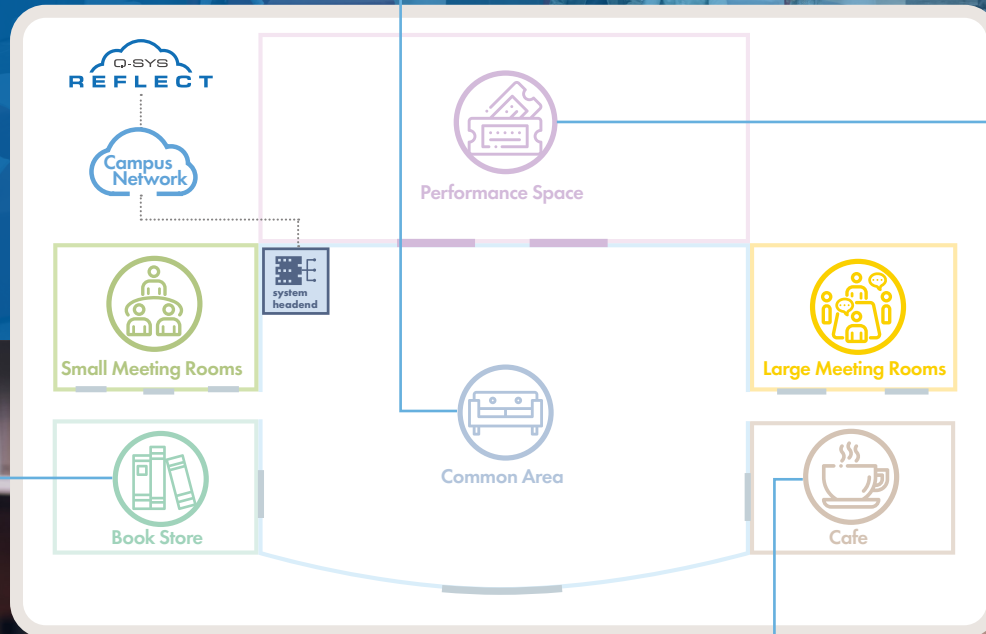
Campus-wide Paging

- Stay connected with students across campus with Q-SYS comprehensive paging platform
- Ensure maximum uptime for your AV infrastructure with Q-SYS Reflect robust cloud monitoring and management for Q-SYS systems
- Distributed background music
- Redundancy



Student Union Building

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.

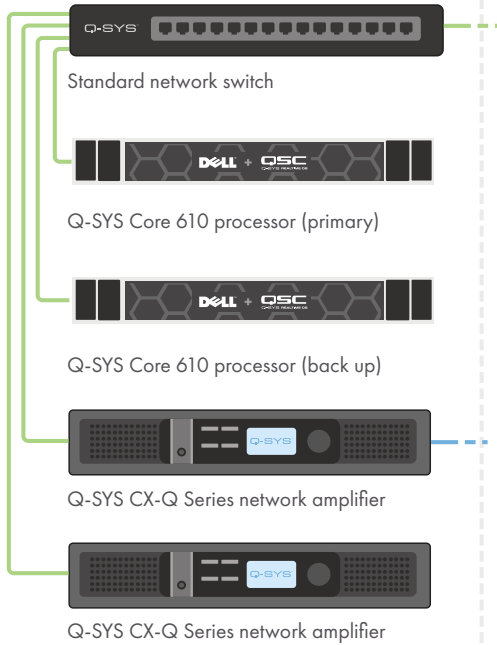


Common Area

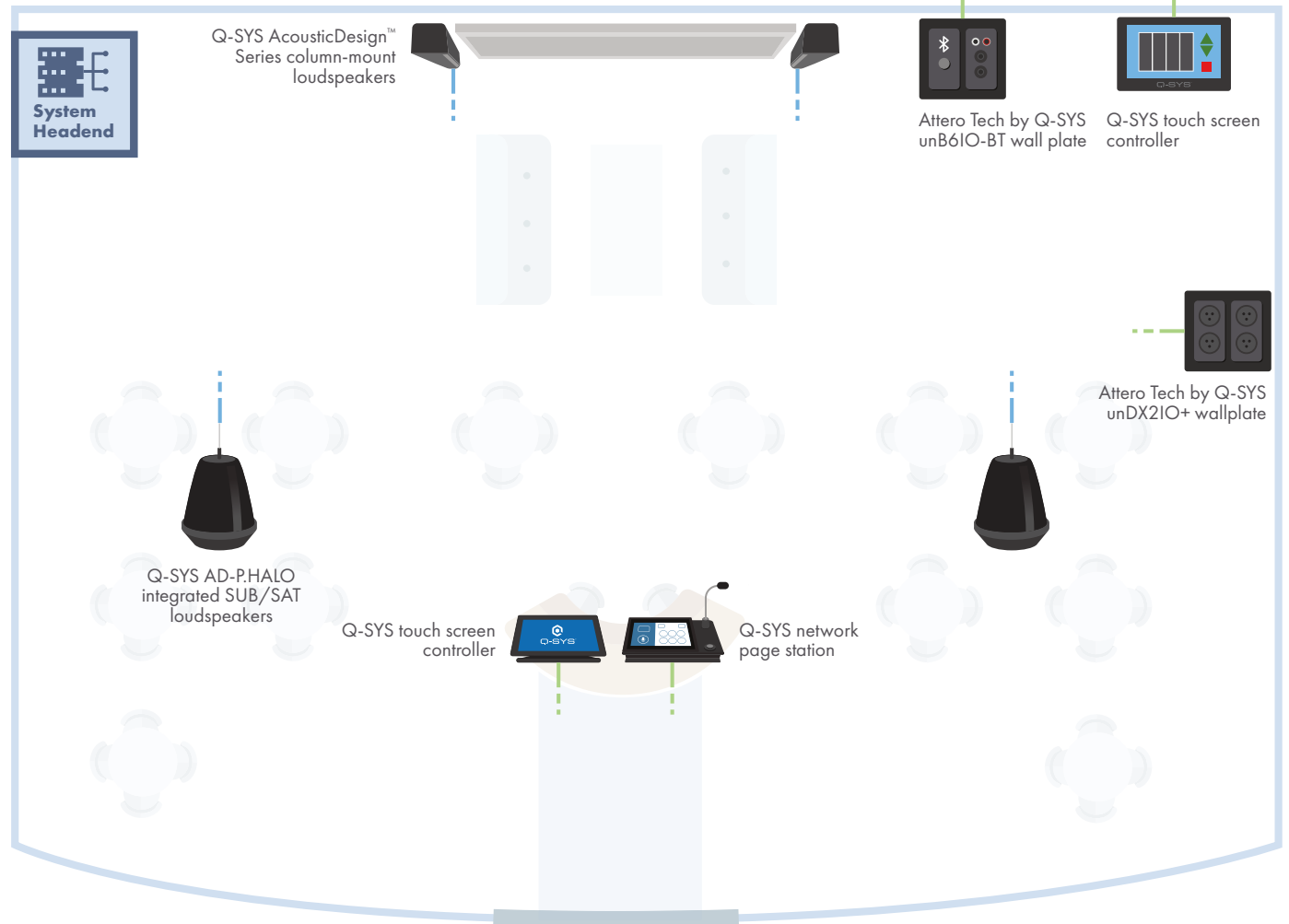
- Background Music
- Voice Reinforcement
- Paging
- Device Control
- Redundancy
- Monitoring & Management



System Headend

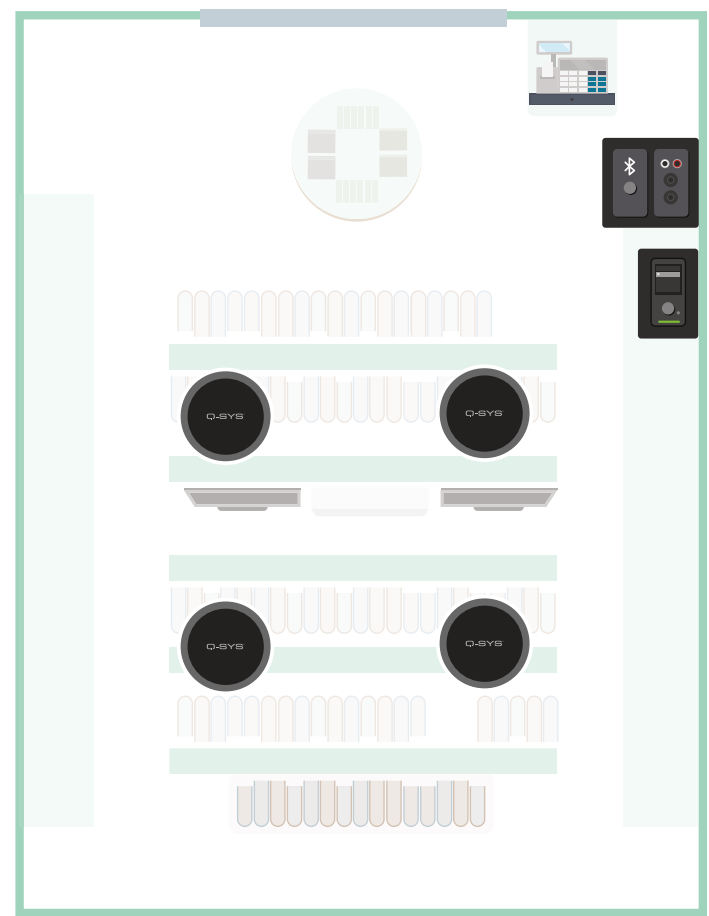
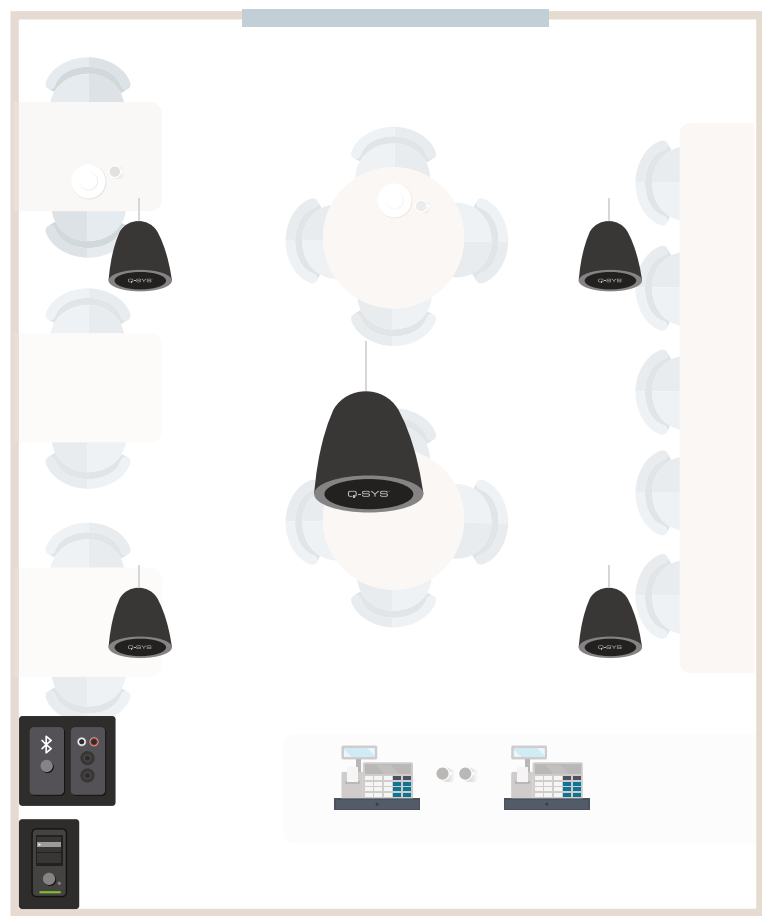
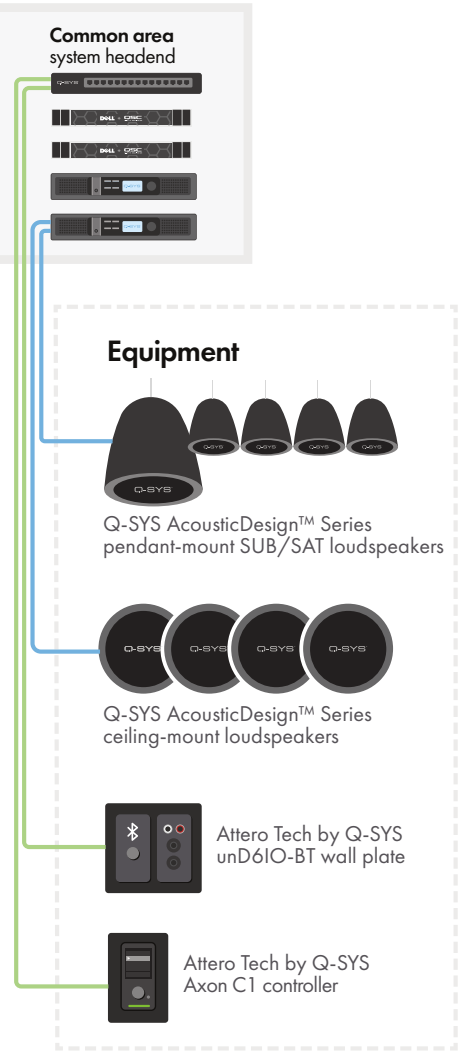


Standard Ethernet Loudspeaker



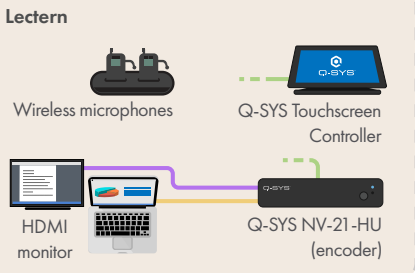
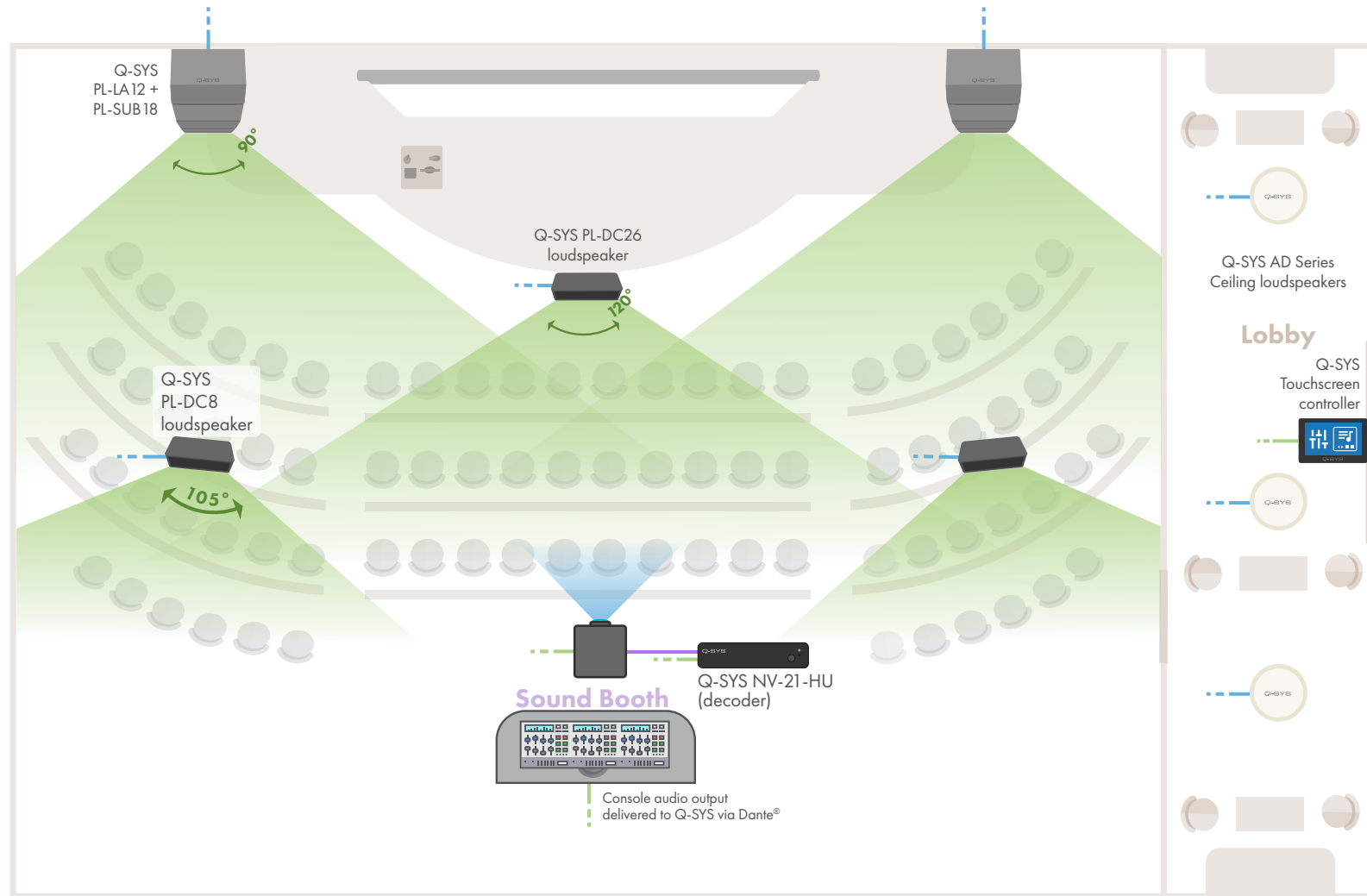
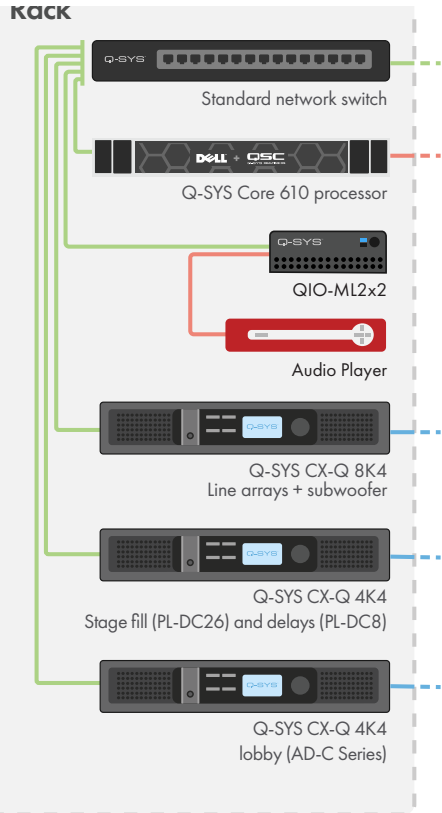
Cafe & Book store

- Background Music
- Voice Reinforcement
- Paging
- Device Control
- Redundancy
- Monitoring & Management



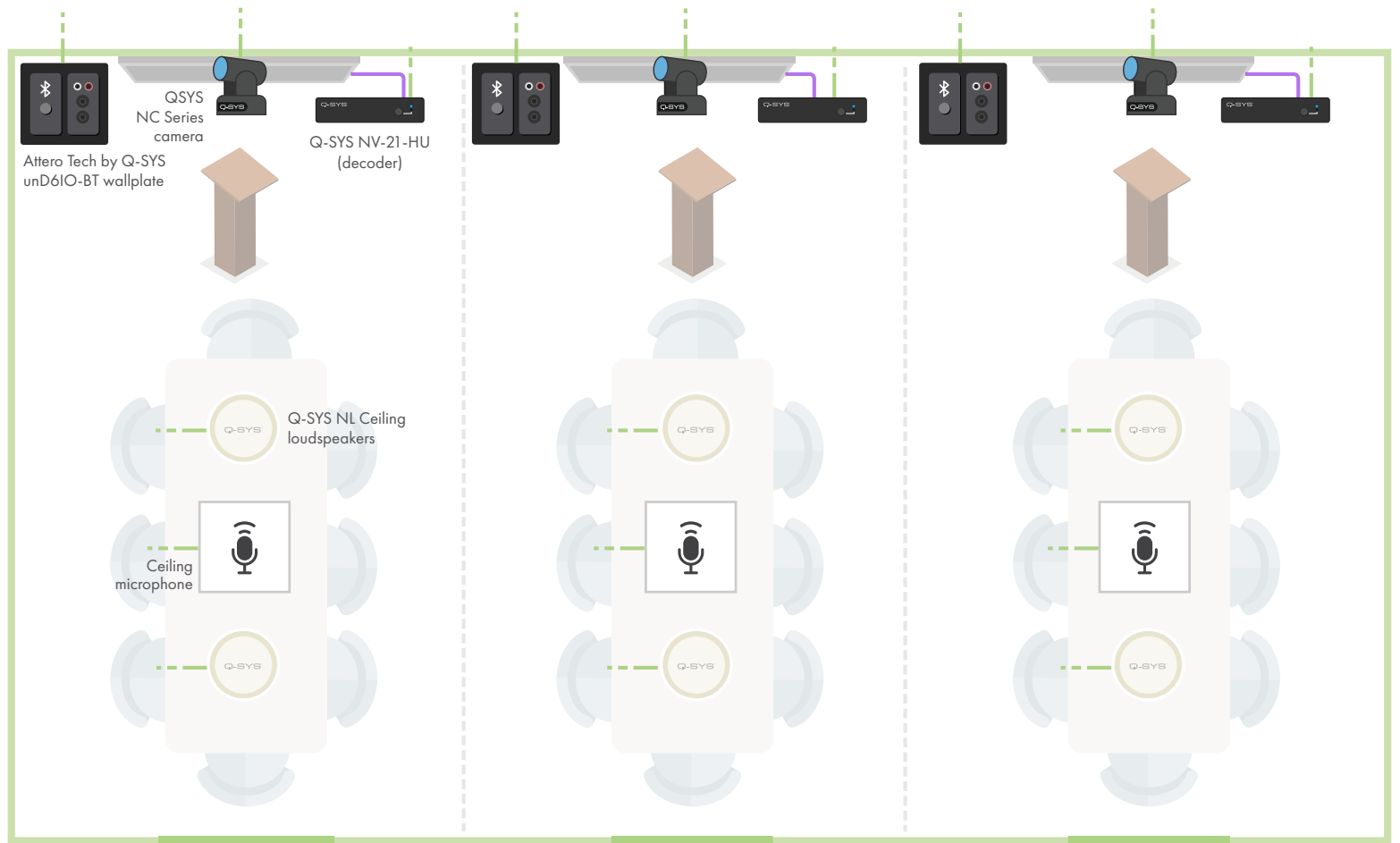
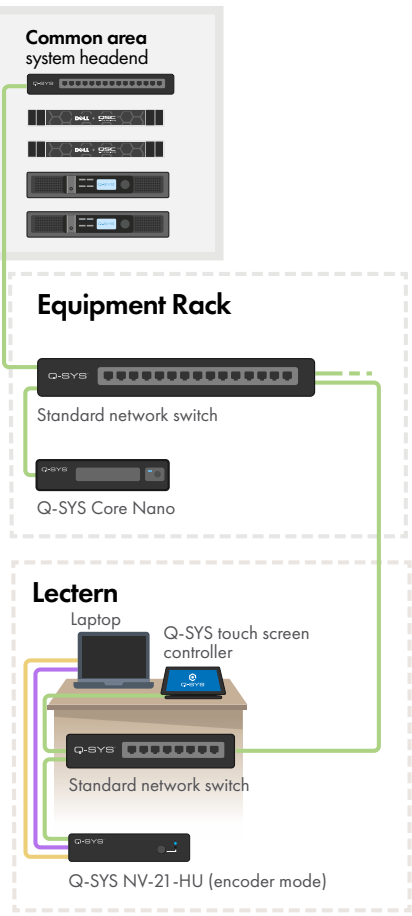
Performance Spaces

- Background Music
- Voice Reinforcement
- Paging
- Monitoring & Management



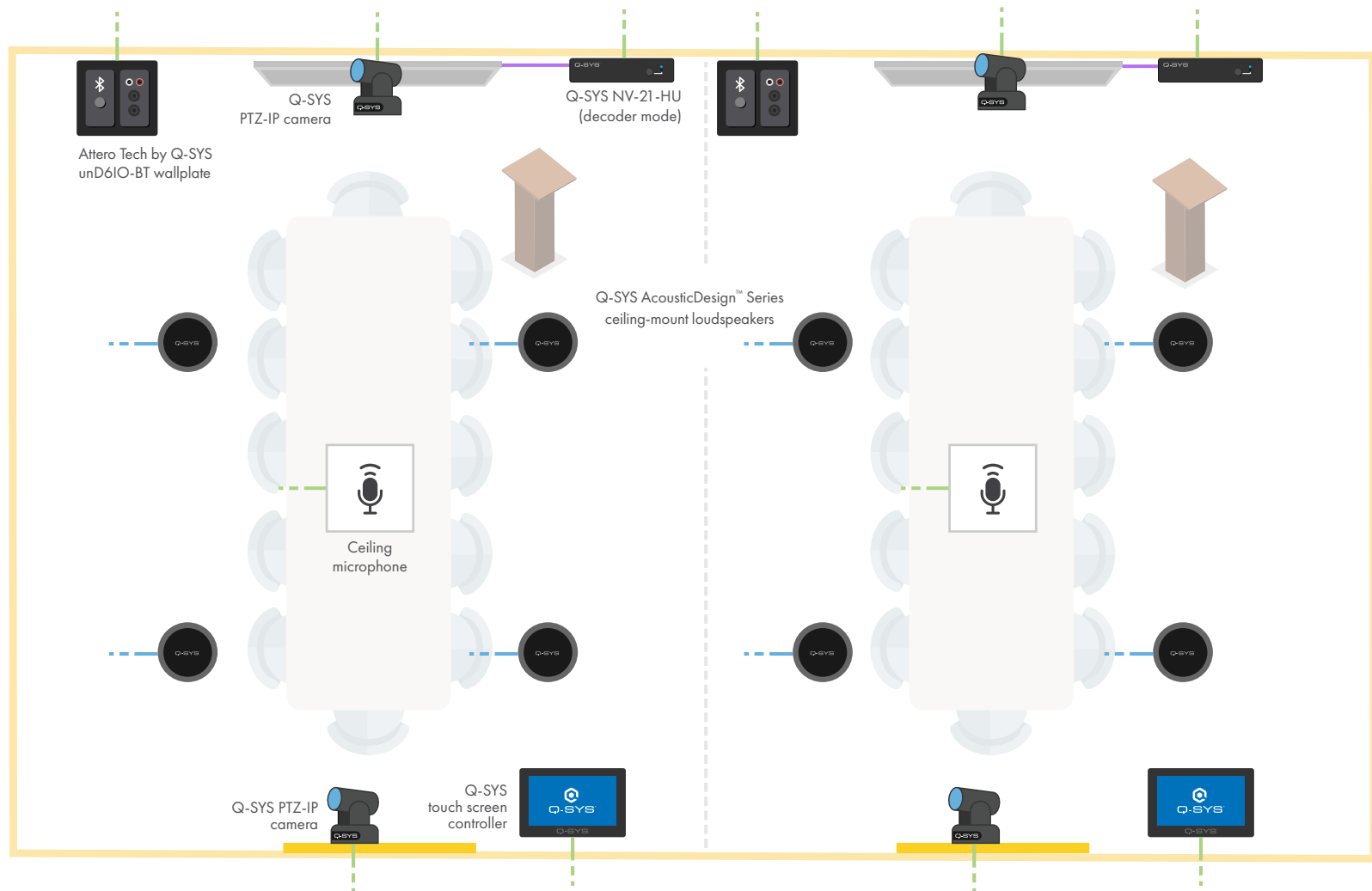
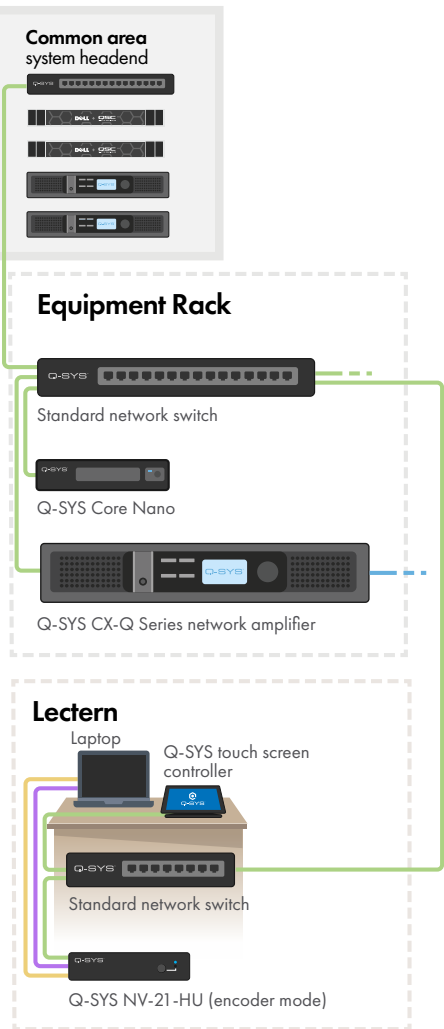
Small Divisible Meeting Rooms

- UC Platform Integration
- Web Conference Integration
- Voice Reinforcement
- Divisible Rooms
- Network Video Streaming
- Video Collaboration
- Monitoring & Management



Large Multipurpose Rooms

- UC Platform Integration
- Web Conference Integration
- Voice Reinforcement
- Divisible Rooms
- Network Video Streaming
- Video Collaboration
- Monitoring & Management



Customizable user interfaces
Simplify the control experience
for your staff

City University

June 10, 2020
Wednesday, 12:27:07

Choose location(s)

Stadium
engineering
Business
Admin/EOC
Art
Music
Student Union

Select page type

live
Pre-recorded

Press to page

EMERGENCY Menu

Main Menu



Q-SYS Processing

Processing



Core Nano

- Network I/O only
- Ideal for spaces with all networked endpoints
- Ability to centralize multiple small spaces



Core 8 Flex

- Onboard + Network I/O
- Ideal for spaces needing onboard IO and in-room processing



NV-32-H (Core Capable)

- Onboard + Network I/O
- Ideal for in-room processing and network video encoding/decoding (requires feature license)

Monitoring

Control

VisionSuite

Network Video Endpoints

Network Cameras

Network Amplifiers

Network I/O

Installation Loudspeakers

Performance Loudspeakers

Licenses



Core 110f

- Onboard + Network I/O
- Ideal for spaces needing plenty of onboard I/O and in-room processing
- Ability to centralize processing for multiple spaces



Core 610

- Network I/O only
- Ideal for centralized processing



Core 5200

- Network I/O only
- Ideal for centralized processing or large scale venues

Monitoring

Processing

Monitoring ▶

Control

VisionSuite

Network Video Endpoints

Network Cameras

Network Amplifiers

Network I/O

Installation Loudspeakers

Performance Loudspeakers

Licenses



Now included with every Q-SYS system, Q-SYS Reflect makes it easier than ever to make quick decisions and deliver confidence for your users with detailed, real-time system information from every connected device

Reliability & Uptime

- Real-time health monitoring for all connected Q-SYS and third-party devices.
- Integrate customizable, real-time alerts into your daily workflow (Slack, Microsoft Teams, Outlook, and more).

Security & Continuity

- Apply security patches without changing firmware.
- Single Sign-on (SSO) support

Level up with Reflect Plus to leverage comprehensive remote system management and control capabilities

- **Quickly resolve issues with users in the room:** Remotely access any user control interface from a web browser
- **Configure your Q-SYS system from anywhere** and automatically backup to the cloud
- **Reflect API:** extends Q-SYS Reflect data to your IT management platform for a single-pane-of-glass view of your entire AV/IT infrastructure

Control

Processing

Monitoring

Control ▶

VisionSuite

Network Video Endpoints

Network Cameras

Network Amplifiers

Network I/O

Installation Loudspeakers

Performance Loudspeakers

Licenses

Q-SYS™ TSC SERIES GEN 3



- Integrated, simplified, and scalable control
- Customizable drag-and-drop user control interface (UCI) creation
- Enhanced onboard processors

Available in:

- 5 in / 127 mm
- 7 in / 177.8 mm
- 10 in / 254 mm

Q-SYS VisionSuite

Processing

Monitoring

Control

VisionSuite ▶

Network Video Endpoints

Network Cameras

Network Amplifiers

Network I/O

Installation Loudspeakers

Performance Loudspeakers

Licenses



Elevate Your Hybrid Experiences with AI

From intelligent presenter tracking to intelligent audio-based camera switching, Q-SYS VisionSuite uses multimodal AI to improve the visibility of in-room participants to promote a natural viewing experience for the far-end, empowering teams to feel united and stay engaged no matter where they are.

Network Video Endpoints

Processing

Monitoring

Control

VisionSuite

Network Video Endpoints ▶

Network Cameras

Network Amplifiers

Network I/O

Installation Loudspeakers

Performance Loudspeakers

Licenses

Q-SYS™ NV SERIES



NV-32-H

3 input; 2 output; + AV Bridging



NV-21-HU

2 input; 1 output; + AV Bridging

- Q-SYS NV Series network video endpoints are multipurpose, software-configurable devices native to the Q-SYS Platform enabling high-quality, low-latency video distribution.
- NV Series are flexible and scalable, allowing you to tailor your system components to the project requirements, placing the correct type and quantity of video I/O where it's needed most.

Network Cameras

Processing

Monitoring

Control

VisionSuite

Network Video Endpoints

Network Cameras ▶

Network Amplifiers

Network I/O

Installation Loudspeakers

Performance Loudspeakers

Licenses

Q-SYS™ NC SERIES



The Q-SYS NC Series conference cameras deliver high-quality video feeds natively to the Q-SYS Platform. With three models to choose from, these network cameras offer a simple, scalable collaboration video solution for any size space.



Q-SYS NC-110

Fixed-lens, ePTZ camera that features a 110° horizontal field-of-view for smaller and wider rooms,



Q-SYS NC-12x80

Motorized PTZ, 12x optical zoom and 80° horizontal FoV



Q-SYS NC-20x60

Motorized PTZ, 20x optical zoom and 60° horizontal FoV

Network Amplifiers

Processing

Monitoring

Control

VisionSuite

Network Video Endpoints

Network Cameras

Network Amplifiers ▶

Network I/O

Installation Loudspeakers

Performance Loudspeakers

Licenses

Q-SYS™ CX-Q SERIES



- Four-channel models with max power ranging from 800W to 2400W per channel
- Eight-channel models with max power of 1000W and 1500W per channel
- Low impedance, 70V or 100V direct drive available on all channels

Q-SYS™ SPA-Q SERIES



- Two-channel and four-channel models with 60W per channel
- bi-directional GPIO for control
- two flex channels (either mic/line inputs or line outputs)

Network I/O

Processing

Monitoring

Control

VisionSuite

Network Video Endpoints

Network Cameras

Network Amplifiers

Network I/O ▶

Installation Loudspeakers

Performance Loudspeakers

Licenses

Q-SYS™ QIO SERIES



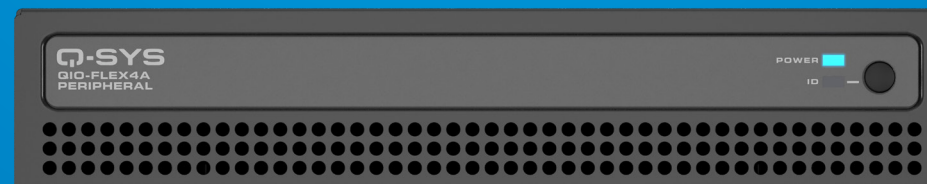
Audio I/O Expanders

- QIO-ML2x2: Two (2) mic/line inputs and two (2) line outputs
- QIO-ML4i: Four (4) mic/line inputs
- QIO-L4o: Four (4) line outputs
- QIO-AES8x8: Four (4) stereo pairs of AES3 digital inputs and four (4) stereo pairs of AES3 digital outputs (8 input and output channels total)
- QIO-TEL2: Two (2) PSTN (POTS) phone lines on standard RJ11 (6P2C) connectors



Control I/O Expanders

- QIO-IR1x4: One (1) IR receiver input & four (4) IR emitter inputs
- QIO-S4: Four (4) bi-directional RS232 ports (one port includes RS-485 and RS-422 compatibility)
- QIO-GP8x8: Eight (8) general purpose inputs & eight (8) general purpose outputs
- QIO-LVR4: Four (4) contact closure relays (2-pin, 3.55 mm)



Multi-purpose I/O expander

- QIO-FLEX4A: Four (4) Flex I/O, 4x8 GPIO, one (1) RS232, two (2) amplifier outputs

Installation Loudspeakers

ACOUSTICDESIGN™ S E R I E S

Processing

Monitoring

Control

VisionSuite

Network Video Endpoints

Network Cameras

Network Amplifiers

Network I/O

Installation Loudspeakers ▶

Performance Loudspeakers

Licenses



- Full range of surface-mount, column and ceiling loudspeakers for any acoustic environment
- Includes high-ceiling and high-power models available to ensure best performance in noisy environments
- Mix and match form factors throughout venue without any noticeable audio transition

Performance Loudspeakers

Processing

Monitoring

Control

VisionSuite

Network Video Endpoints

Network Cameras

Network Amplifiers

Network I/O

Installation Loudspeakers

Performance Loudspeakers ▶

Licenses

Q-SYS™ PL SERIES



The Q-SYS PL Series is a portfolio of performance installation loudspeakers designed to deliver premium sound for Q-SYS systems. PL Series offers multiple form factors, allowing you to design the optimal audio experience for each unique space.

PL-LA

Line Arrays

- Two-way, passive installation line arrays

PL-SUB

Subwoofers

- Passive installation subwoofers

PL-CA

Coaxial

- Two-way, coaxial loudspeaker with symmetrical coverage

PL-DC

Point Source

- Two-way point source loudspeakers with directivity control

Licenses

Processing

Monitoring

Control

VisionSuite

Network Video Endpoints

Network Cameras

Network Amplifiers

Network I/O

Installation Loudspeakers

Performance Loudspeakers

Licenses ▶

SOFTWARE-BASED



Dante®

FOR Q-SYS™

Integrate Dante with Q-SYS via software. Most Q-SYS Cores include 8x8 Dante network audio channels with the optional feature license to add more.

Q-SYS™

SCALING

LICENSES

Scale targeted feature sets to tailor your Q-SYS Cores to the needs of specific applications and use case.

Q-SYS™

UCI DEPLOYMENT

FEATURE LICENSE

Create custom user control interfaces for your Q-SYS system and deploy to a Q-SYS touch screen controller.

Q-SYS™

SCRIPTING ENGINE

FEATURE LICENSE

- Create custom scripts in Lua.
- Visual coding tool to lower barrier of entry to programming.
- Growing library of third-party device plugins for easier integration into Q-SYS.



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