FLEXIBLE, SCALABLE, REMOTELY MONITORED EVENT VENUE

Astro Celebrations

Astro Celebrations Sets the Scene for Memorable Events with Q-SYS

Cumming, GA

[Astro Celebrations](#) provides the perfect backdrop for creating memorable experiences, whether for a corporate gathering or a once-in-a-lifetime celebration. The venue features 20,000 sq ft of adaptive space, allowing clients to customize their events. To provide a seamless and memorable experience, Astro Celebrations sought the most cutting-edge audio, visual, and control system ensuring an impeccable event without the need for on-site technical support. With the integration of the [Q-SYS Platform](#), Astro Celebrations was able to find the solution for their audio, video and control needs.

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Jason Caponi
Partner and Operations Manager, Performance Audio & Video

Challenges

Flexibility & Scalability

Easy to expand capabilities as events change and the ability to add/remove components for later customization.

No On-Site Technicians

Intuitive, user-friendly system that requires no on-site technicians for operation.

Monitoring & Management

Monitor and make changes off-site if necessary.

Turning an Unconventional Idea into a Reality

Performance Audio & Video (PAV) was tasked with an exciting challenge. "There were two critical needs discovered during the early phase of the build," said Jason Caponi, Partner and Operations Manager at PAV. "The system must be capable of hosting a wide variety of event types from corporate video conferencing to weddings and parties, and must have the ability to easily expand capabilities as needs change without having to replace key components. Both of these requirements could easily be met, but another factor was discovered through the process. Astro also required a system that would be completely hands-off, meaning they did not want or desire to have any technicians on site. Our team created a custom-designed AV&C system utilizing Q-SYS to deliver the customers' desired features."

Solutions

Q-SYS Flexibility Accommodates Events

The system was designed around a Q-SYS Core Nano processor due to its ability to handle both complex video conferencing as well as multi-zone background audio. The Core Nano provides a level of flexible control that could easily accommodate Astro Celebrations' clients' requests, no matter which occasion the facility was being used for.

NV Series NV-32-H Network Video Endpoints are utilized throughout the facility to allow any video source to show on any display. PAV created a customized NV-32-H kit that enables video distribution anywhere inside the facility, allowing extremely flexible placement in the room setup. Caponi explained, "Astro was our first major installation using our Hybrid Approach for the Q-SYS Video Distribution System. With such a large facility the setup and layout options can vary from event to event, so we created a hybrid approach that allows the client to connect an NV-32-H at any of the dozens of AV network plates in the facility. This provides the ultimate in flexibility for events."

Technician-Free Event Space

Caponi gives a breakdown of why Astro Celebrations wanted no technicians on-site, "The founders of Astro don't come from the event space world, but they envisioned a better place for businesses to meet and families to have events, and having an event space that could be free of technicians began to make a lot of sense to them. To maintain ease of use and simplicity in customer experience, it was critical for us to have Q-SYS manage everything. Q-SYS is user-friendly and automated to the point that it does not require an on-site audio/visual technician, allowing even novice users to control the system. We could not have done it without Q-SYS control. It's simple and amazing." Additionally, Q-SYS takes the complexity out of the mix by providing an easy USB connection to a client's PC/Mac to host a Zoom, Google, or Teams meeting.

Remote Support Leads to Rewarding Results

Performance Audio & Video took advantage of Q-SYS Reflect Enterprise Manager, which allows the team to monitor and make changes off-site if necessary. "The final system achieves all of the major goals outlined and also provides the client with room to grow and adapt to the ever-changing environment of hosting events," said Caponi. "Astro Celebrations runs without a dedicated A/V support staff. We have implemented a very stable and reliable system with Q-SYS, and Q-SYS Reflect Enterprise Manager even allows us to easily support the system remotely."

Q-SYS Equipment List

Model	Pcs Used	Description	Image
Q-SYS Core Nano	1	Q-SYS Integrated Core Software-based audio, video & control processor 64 x 64 networked audio channels (Q-LAN / AES67)	
NV-32-H	6	Q-SYS NV Series network video endpoint 3 x 2 HDMI I/O	
Q-SYS CX-Q 4K8	1	Q-SYS CX-Q Series Eight-channel Q-SYS network amplifier with 8x mic/line inputs 1000 W/Ch. at 8 Ω	
PTZ-IP 12x72 (updated to NC Series PTZ)	2	12x optical zoom Resolutions up to 1080p/60 Q-SYS AV-to-USB Bridging Solution	
AC-C8T	18	AcousticCoverage™ Series Loudspeaker 8" Ceiling mount loudspeaker	
AC-C6T	4	AcousticCoverage™ Series Loudspeaker 6.5" Ceiling mount loudspeaker	
AC-C4T	4	AcousticCoverage™ Series Loudspeaker 4" Ceiling mount loudspeaker	
AC-S6T	6	AcousticCoverage™ Series Loudspeaker 6.5" Two-way surface mount loudspeaker	

Q-SYS Equipment List

Model	Pcs Used	Description	Image
AD-P6T	4	AcousticDesign™ Series Loudspeaker 6.5" Two-Way pendant-mount loudspeaker	
Software-based Dante™	1	Q-SYS feature license Integrate Dante™ network audio without the need for additional hardware	
Q-SYS Scripting Engine	1	Q-SYS feature license Third-Party Control Plugins/Scripts Full Featured Scripting Component	
UCI Deployment License	1	Q-SYS feature license Create and deploy custom UCI onto available control devices	
Q-SYS Reflect Enterprise Manager License	1	Q-SYS monitoring license Centralized Management Integrate AV Assets with IT Systems	

Q-SYS is a globally recognized manufacturer of audio, video and control (AV&C) solutions for huddle rooms to stadiums—and everything in between. Our systems make it easy for your team to design and integrate flexible, scalable solutions and deliver the native IT integration and standards-based technology your customers expect.

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