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Q-SYS Technology Full Stack AV Platform

An integrated platform representing a revolution for multimedia systems.

The **Full Stack AV Platform** technology developed by Q-SYS is **a groundbreaking innovation in the field of professional audio-video systems.** It is an integrated platform that **unifies data, devices, and a cloud-first open architecture,** enabling unified and real-time management of complex multimedia environments. Unlike traditional fragmented systems that require multiple interfaces and separate software, the Full Stack AV Platform **centralizes everything into a single software-based ecosystem, eliminating barriers and complications.**
At the heart of this technology are three fully integrated subsystems:

• **Multimodal I/O:** Connects the platform to real-world devices. It collects audio-video signals and information from various sources, including devices from other manufacturers, to offer simple and tailored user experiences.

• **Intelligent Platform OS:** This is the central engine, an advanced operating system that integrates audio, video, and control. It manages the bidirectional flow of data in real time, applying intelligence to orchestrate automated operations, such as turning on lights, displays, or dynamic framing, without manual intervention.

• **Cognitive Cloud:** Provides an advanced cloud infrastructure for systemic monitoring and remote management. It enables predictive analytics and intelligent adjustments of connected ecosystems, regardless of time and space.

In a hybrid and hyper-connected world, this platform goes beyond simple connectivity: **it adapts, evolves, and generates tangible results for businesses, reducing the barriers between AV and IT.**

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KEY BENEFITS

The benefits of the Full Stack AV Platform are tangible and multifactorial, with a focus on simplicity, efficiency, and scalability.

1. Cost Savings and Simplification
By managing multimodal signals through a single tool, design, installation, and maintenance costs are drastically reduced. Fewer interfaces mean less complexity, and integration with other brands avoids the need for dedicated hardware purchases and reduces operational costs.

2. Real-Time Automation and Intelligence
By using live data from native and third-party devices, the system automates processes such as lighting, display triggers, or audio framing, enhancing the user experience without rigid presets. This makes the technology "invisible" to users, removing obstacles and transforming spaces like meeting rooms, collaborative zones, or shared areas into intuitive environments.

3. Scalability and Reliability
Designed to grow without costly cycles, it allows starting from a single room and expanding to more complex setups. It offers consistency, automation, and adaptability across multiple locations, optimizing reliability and simplifying IT administrators' workloads with fewer subsystems to manage.

4. Integration with IT and Future-Proofing
It eliminates the barriers between audio-video (AV) and IT systems, providing a clear view of data and cutting-edge automation tools. It is designed to work with artificial intelligence, ensuring long-lasting investments that adapt to the needs of the business.

POTENTIAL AND FUTURE APPLICATIONS

he potential of the Full Stack AV Platform is immense, especially in the context of dynamic and hybrid spaces. **It transforms AV environments into a unified "digital fabric," ideal for sectors such as corporate, education, hospitality, and retail.** It enables the creation of meeting rooms that adapt in real time to video calls, open-space lounges with easy automation, or cafeterias that become collaborative workspaces.

Looking ahead, with releases like the one announced at Q-SYS Activate 2025, the platform evolves into **a more intelligent version capable of generating real-time data analytics and AI integration for predictions and optimizations.** The Full Stack AV Platform is a way of positioning AV as **a strategic ally in businesses,** allowing for the management of more processes with fewer resources, increasing productivity.

In short, the Q-SYS Full Stack AV Platform not only connects devices: it makes them smart, flexible, and future-ready, making multimedia innovation accessible to everyone.