# Q-SYS VSA-100

VisionSuite AI Accelerator

## KEY FEATURES

- AI Accelerator that drives the VisionSuite experience
- Design, configure, calibrate, and commission all through VisionSuite Designer, an easy-to-use, native Q-SYS tool
- Supported by Q-SYS NC Series network PTZ cameras
- 1 RU form factor

## Q-SYS VSA-100

### VisionSuite AI Accelerator

Q-SYS VisionSuite enhances high-impact space experiences with AI-driven automation, optimizing remote attendee visibility, speaker framing, and presenter tracking while simplifying system operations.

The VSA-100 is an AI accelerator that combines computer vision-based scene analysis with Q-SYS dynamic audio-based camera switching and framing to deliver best-in-class presenter tracking and Active Speaker Framing. The result is a more natural and inclusive experience for in-room and remote participants alike. In addition, this pairing lets you take further advantage of the Q-SYS control engine to create richer experiences with holistic room automation for each unique space.

#### PRESENTER SPOTLIGHT: CAPTURE EVERY MOMENT

Full-Body Presenter Tracking, part of the VisionSuite Presenter Spotlight technology solution, uses computer vision to follow the presenter, ensuring they are perfectly framed even if they move or don't face the camera. It also allows for customization such as alternate framing modes, fallback shots and trigger zones, which can be used to automatically trigger tracking, change shot types, and switch cameras.

#### SPEAKER SPOTLIGHT: DELIVER AN ENGAGING EXPERIENCE

Dynamic, real-time camera automation that removes the need for pre-configured presets. Leverages both audio location data to locate the active talker and vision-assisted framing to ensure the optimal framing is always seen by the far-end.

#### FULL ROOM AUTOMATION

Vision driven automations, including lighting adjustments, dynamic displays, and triggered sounds, are activated by walking to a specific section of the room. With its integrated Control engine, Q-SYS leverages computer vision analysis and trigger zones to automate other in-room devices and events that encompass the entire space.

#### VISIONSUITE DESIGNER: DESIGN, CALIBRATE, AND COMMISSION

The VisionSuite AI Accelerator is a native Q-SYS peripheral built for intensive AI applications and is integrated with VisionSuite Designer (VSD) software. VSD is a graphical-based tool that enables users to efficiently design, calibrate, and commission VisionSuite solutions by creating automations directly atop a room's floorplan.

# Q-SYS VSA-100

| Q-SYS CAPACITIES | |
|---|---|
| **Supported Q-SYS cameras** | **Presenter Spotlight:** NC-12×80 / NC-20×60<br>**Speaker Spotlight:** NC-12×80 / NC-20×60<br>**Conductor camera:** NC-12×80 / NC-20×60 / NC-90-G2<br>**Static view:** Any Q-SYS Camera (Does not require a channel of analytics) |
| **Max number of Q-SYS cameras** | 14 Speaker Spotlight, 1 Presenter Spotlight, and 1 audience-facing Conductor camera |
| **Supported Q-SYS Core processors** | Core 24f, Server Core X10, Server Core X20r, Server Core X50r |
| **Supported microphones** | Shure MXA920, Shure MXA925, Sennheiser TCC2 (up to 8 per room) |
| **Maximum presenter tracking distance** | 30 m/98 ft (NC-20×60 at Half Body shot) |
| **Recommended active speaker distance from mic** | 3 m / 10 ft |
| **Minimum camera distance** | 2 m / 6.5 ft |
| **Number of VisionSuite rooms supported** | 1 VisionSuite room per Core / Q-SYS Design |
| **Vision-assisted framing support** | Supports up to 25 audience members. For greater than 25 people, framing will be based on audio location data. |
| **Number of VisionSuite rooms supported** | 1 VisionSuite Room per Q-SYS Core / Q-SYS Design |
| **HARDWARE** | |
| **Power supply** | 500 W |
| **Product dimensions (L x W x H)** | 18.11 × 17.24 × 1.73 in (460 × 438 × 44 mm) |
| **Storage temperature range** | -40°C to +85°C (-40°F to 185°F) |
| **Storage humidity range** | 10% to 95% @ 40° C |
| **Operating temperature range** | 0° C to 40° C (32° F to 104° F) |
| **Operating humidity range** | 10% to 95% @ 40° C |
| **Ventilation** | Forced air - front intake, rear exhaust |
| **POWER CONSUMPTION** | |
| **System idle** | 225 W max (~220 W average) |
| **Full load** | 289 W max |
| **THERMAL DISSIPATION** | |
| **System idle** | 767 BTU/hr max |
| **Full load** | 986 BTU/hr max |
| **MISCELLANEOUS** | |
| **Regulatory** | FCC 47 CFR Part 15 Subpart B, Canada ICES-003, EN 55032, EN 55035, EU RoHS directive 2011/65/EU, WEEE directive 2012/19/EU, REACH, China RoHS GB/T26572, RCM, IEC/EN/UL 62368-1 |

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