IV-SAM-VXN-1B

1 Beyond Automate VX Plus Voice-Activated, Multi-Camera Switching Solution

- *Automatic camera switching based on the active speaking participant*
- *Switches between multiple cameras for broadcast-style production*
- *Supports 3 SDI and 12 NDI sources; outputs SDI and NDI streams*
- *Intelligent video algorithm follows the conversation, avoiding excessive camera switching*
- *Easy configuration with the browser-based Intelligent Video Room Designer tool*

The IV-SAM-VXN-1B Automate VX Plus is a voice-activated camera-switching solution that brings the full multi-camera studio experience to meetings, town halls, and classrooms. Automatic camera switching and movement tracks the location of the active-speaking participant. Automate VX Plus provides built-in recording and streaming capability along with outputs for video conferencing.

Professional Services

The 1 Beyond Automate system requires the purchase of 1 Beyond Camera Systems Remote Professional Services. Remote Professional Services provides dedicated technical support for the remote deployment of Automate VX Voice-Activated Multi-Camera Switching Solutions.

Visit IV-PROSERVICE-1B for details.

> **NOTE:** For Crestron Intelligent Video Certified Engineers (IVC-E) planning to self-deploy and self-validate a purchased Automate VX system, the purchase of Remote Professional Services is optional, subject to verification by Crestron. Visit IV-PROSERVICE-1B for details.

Improved Video for Meetings

See who is speaking with close-up camera shots. Clean production-style camera switching provides a more engaging experience for remote participants or viewers.

Certified for Microsoft Teams® Rooms Software

The Automate VX Plus system is certified for use with Microsoft Teams® Rooms software. The following hardware is required with the Automate VX Plus system to ensure a certified solution:

- One IV-SAM-VXN-1B Automate VX Plus
- One Inogeni™ SDI2USB3 converter
- Any combination of Crestron NDI-enabled PTZ-IP cameras and AutoTracker 3 cameras

Contact the Crestron Sales Support Services team for assistance in designing an Automate VX Plus system with Microsoft Teams Rooms support.

> **NOTE:** Microsoft Teams certified audio systems for large and extra-large rooms are required when using the Automate VX Plus within a Microsoft Teams Room solution. For more information on certified audio systems, refer to Microsoft Teams Rooms Certified Systems and Peripherals.

Voice-Activated Switching

The hands-free operation uses data from the room microphones to locate the active-speaking participant. Camera switching is determined by the microphone type used.

Adapts to Room Sizes and Uses

Cameras can be located throughout the room for the best camera angles. Room configurations can be preset to accommodate different furniture layouts with a single button push.

Graphics, Titles, and Layouts

Combine multiple sources, superimpose titles, and add custom graphics. A graphical user interface allows for custom layouts, not just picture-in-picture or side-by-side.

RESTful API for Crestron® and Third-Party Control

Enable auto-switching, record and stream, and change room configurations or layouts using a Crestron® control module. An adaptable API is available for customizable user interfaces on third-party control systems.

Conference, Stream, and/or Record

In addition to high-quality output for hard or soft codecs, the system has a built-in encoder and recorder to enable multiple live streams and over 100 hours of recording.

Room Designer Web Interface

The Intelligent Video Room Designer tool provides the ability to design and configure meeting spaces. The browser interface is used to help choose the best position for a variety of cameras and microphones within a room.

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Specifications

Automate VX Plus Capabilities

Titles, Graphics, Layouts	Titles, logos, backgrounds can be added, Easy-to-use graphic designer to create any multi-source layout
Program Record	MP4 file (H.264 codec). User-selectable bitrate up to 10 Mbps
Recording Capacity	Records to internal 500 GB SSD storage
Streaming Encoder	Can stream to any RTMP server. Presets included for popular CDNs
NDI Support	For inputs and program output
Camera Control	Can control Crestron 1 Beyond PTZ cameras and tracking cameras over IP. For a complete list of compatible cameras, refer to Automate VX: Compatible Cameras.
System Control	RESTful API over Network (TCP) for third party control
Compatible Codecs	Output via HD-SDI (SDI to HDMI® converter included) for connection to external conferencing codec or via USB adapter to external systems running Microsoft Teams® software, Zoom Rooms® software, etc.
Configuration	Browser-based configuration with secure log-in and user administration. Customizable preset options for sleep, wake, and scenario actions

Connectivity

Network Ports	2x RJ-45 Gigabit Ethernet

Video

Video Inputs	3x HD-SDI Inputs 12x NDI Inputs 1x USB Type-A Input
Video Output	Up to 1080p60, 1x HD-SDI (SDI to HDMI® converter included); NDI®|HX and virtual webcam output
Desktop Output	4x DisplayPort™ output for setup and maintenance

Audio

Audio Input	3.5 mm Line In, USB, Dante® input
Compatible Mic Systems	For a list of compatible mic systems, refer to OLH Article 1001562.
Compatible DSPs	For a list of compatible DSPs, refer to OLH Article 1001563.

Power

Power	400 W, 100–240VAC

Dimensions

Height	3.5 in. (89 mm)
Width	16.75 in. (425 mm)
Depth	14.5 in. (368 mm)

Weight

14 lb (6.35 kg)

Available Accessories

For a list of available accessories, visit the IV-SAM-VXN-1B product page.

This product may be purchased from select authorized Crestron dealers and distributors. To find a dealer or distributor, please contact the Crestron sales representative for your area. A list of sales representatives is available online at www.crestron.com/How-To-Buy/Find-a-Representative or contact us for additional information by visiting www.crestron.com/contact/our-locations for your local contact.

The original language version of this document is U.S. English. All other languages are a translation of the original document.

The product warranty can be found at www.crestron.com/warranty.

The specific patents that cover Crestron products are listed online at www.crestron.com/legal/patents.

Certain Crestron products contain open source software. For specific information, please visit www.crestron.com/opensource.

HDMI

Specifications are subject to change without notice.

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