

# 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 Room Design 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. Camera switching and movement is done automatically based on the location of the active speaking participant. Automate VX Plus comes with 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.

An Equipment Proposal issued by the [Crestron Sales Support Services](#) team is required before placing an order for IV-SAM-VXN-1B. All orders must reference the Equipment Proposal number and include the complete camera system outlined in the Equipment Proposal, including Professional Services.

**NOTE:** The Equipment Proposal will include the required 1 Beyond cameras, Automate VX system, and 1 Beyond Camera Systems Remote Professional Services. It will also identify third-party equipment, such as microphones, which are necessary to complete the system and must be purchased separately from the applicable manufacturer, based upon the information provided regarding room size, furniture layout, and design specifics.

Visit [IV-PROSERVICE-1B](#) for more 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.

### Voice-Activated Switching

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

### Adapts to Room Sizes and Uses

Cameras can be located throughout the room for best camera angles. Room configurations can be set 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/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 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.

## Specifications

### Automate VX Plus Capabilities

<b>Titles, Graphics, Layouts</b>	Titles, logos, backgrounds can be added, Easy-to-use graphic designer to create any multi-source layout
<b>Program Record</b>	MP4 file (H.264 codec). User-selectable bitrate up to 10 Mbps
<b>Recording Capacity</b>	Records to internal 500GB SSD storage
<b>Streaming Encoder</b>	Can stream to any RTMP server. Presets included for popular CDNs
<b>NDI Support</b>	For inputs and program output
<b>Camera Control</b>	Can control 1 Beyond PTZ cameras ( <a href="#">PTZ-12</a> and <a href="#">PTZ-20</a> ) and tracking cameras ( <a href="#">AutoTracker</a> and <a href="#">AutoFramer</a> ) over IP
<b>System Control</b>	RESTful API over Network (TCP) for third party control

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<b>Compatible Codecs</b>	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.
<b>Configuration</b>	Browser-based configuration with secure log-in and user administration. Customizable preset options for sleep, wake, and scenario actions

### Connectivity

<b>Network Ports</b>	2x RJ-45 Gigabit Ethernet
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### Video

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

### Audio

<b>Audio Input</b>	3.5 mm Line In, USB, Dante® input
<b>Compatible Mic Systems</b>	For a list of compatible mic systems, refer to <a href="#">OLH Article 1001562</a> .
<b>Compatible DSPs</b>	For a list of compatible DSPs, refer to <a href="#">OLH Article 1001563</a> .

### Power

<b>Power</b>	400 W, 100–240VAC
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### Dimensions

<b>Height</b>	3.5 in. (89 mm)
<b>Width</b>	16.75 in. (425 mm)
<b>Depth</b>	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](http://www.crestron.com/How-To-Buy/Find-a-Representative) or contact us for additional information by visiting <https://www.crestron.com/contact/our-locations> for your local contact.

This product is covered under the Crestron standard limited warranty. Refer to [www.crestron.com/warranty](http://www.crestron.com/warranty) for full details.

The specific patents that cover Crestron products are listed online at [patents.crestron.com](http://patents.crestron.com).

Certain Crestron products contain open source software. For specific information, please visit [www.crestron.com/opensource](http://www.crestron.com/opensource).

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### HDMI

Specifications are subject to change without notice.

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