

# IV-CAMA3-20-N-SLVR-1B

1 Beyond AutoTracker™ 3 Presenter Tracking Camera, 20x Optical Zoom, NDI®|HX Compatible, Silver



- *Automatically pans, tilts, and zooms to smoothly follow and frame the presenter*
- *AI-enabled tracking with dual camera technology*
- *Smooth tracking and quiet operation*
- *Compatible with popular conferencing platforms such as Microsoft Teams® and Zoom Rooms™*
- *Connects directly to a codec or recording/streaming device with no external computer required*
- *High quality video supporting resolutions up to 1080p60*
- *Single Ethernet connection provides power (PoE+), monitoring, control, and NDI®|HX compatible video*
- *Compatible with Automate™ multicamera systems*
- *Supports 20x optical zoom for tracking distances up to 50 ft from the participants*

The IV-CAMA3-20-N-SLVR-1B<sup>1</sup> is a high quality intelligent PTZ IP camera that automatically tracks and frames a presenter based on facial and motion detection. Ideal for lecture capture or conferences, the IV-CAMA3-20-N-SLVR-1B camera makes it possible to automate camera operations with no personnel and still have the viewing experience of a manned camera. All the tracking intelligence is built into the camera – no external system is needed.

## Intelligent Tracking Technology

Intelligent tracking automatically detects the presenter and keeps them in the optimal part of the frame. It is easily set up to prevent tracking other subjects or displays. The IV-CAMA3-20-N-SLVR-1B is two cameras in one: a wide-angle camera that continually monitors the room for motion and a PTZ camera that follows the presenter. This dual camera approach allows the camera to adjust more quickly and never lose the presenter.

## Conferencing Compatibility

Optimize video conferencing, recording, or streaming by using the IV-CAMA3-20-N-SLVR-1B camera with Microsoft Teams®, Zoom Rooms™, Cisco WebEx®, MediaSite®, or Panopto®. The IV-CAMA3-20-N-SLVR-1B camera includes NDI®|HX and 3G-SDI video output for use with popular video conferencing codecs and capture appliances.

## High Quality Video

A high quality Sony Exmor® CMOS sensor enables the camera to output up to 1080p60 resolution video via the 3G-SDI port. The IV-CAMA3-20-N-SLVR-1B works well in low light and in front of bright screens.

## Manual Control Options

Use VISCA over IP to control the camera with a Crestron® control system. 1B Cam Manager Software is included for easy configuration from a computer on the network.

## Networked Power, Stream, and Control

Connect a single Ethernet cable to power (PoE+), monitor, set up, and control the IV-CAMA3-20-N-SLVR-1B camera.

## Quiet, Fast Switching Between Presets

Up to 256 pan, tilt, and zoom combination presets can be configured. The camera will move to the selected preset point. A quiet, fast motor (120°/s pan speed) sets camera angles quickly.

## Multicamera Capability with Automate Systems

Add the IV-CAMA3-20-N-SLVR-1B camera to an Automate multicamera system. Automate can be set to autoswitch between multiple 1 Beyond cameras to focus on the active speaking participant. Incorporate popular microphones and DSPs to switch between the presenter and audience.

## NDI®|HX for High Quality Network Video

NDI®|HX supports efficient and flexible IP configuration with other networked NDI-enabled devices. NDI®|HX allows for easy installation and scalability with a single network pull.

## Mounting Options

Standard mounting holes make it easy to mount the camera to a wall mount (included) or a [J-Mount ceiling bracket](#) (sold separately).

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## Specifications

### Optics and Processing

<b>Image Sensor</b>	Tracking Camera: 1/2.8 in. Sony Exmor CMOS, 2.14MP; Reference Camera: 1/2.8 in. CMOS, f=3.4 mm, Horz: 92°, Vert: 50°
<b>Recommended Range</b>	15-50 ft from subject, 7-12 ft from ground
<b>Focal Lens &amp; Iris</b>	f=4.7-94 mm, F1.6 - F3.5
<b>Field of View</b>	59.5° - 2.9°
<b>Focus System</b>	Auto, Manual, One Push
<b>Minimum Illumination</b>	0.5 Lux (30FPS), 0.1 Lux (60FPS)
<b>Shutter Speed</b>	1/1 - 1/10,000 sec
<b>Gain</b>	Auto, Manual
<b>White Balance</b>	Auto, Indoor, Outdoor, One Push, Manual
<b>Exposure</b>	Auto, Manual, Shutter Priority, Iris Priority
<b>Number of Presets</b>	Up to 256
<b>Serial Control Protocol</b>	RS-485, RS-232 (VISCA, PELCO-D) HTTP, RTP, TCP, UDP, ONVIF

### Pan, Tilt, Zoom

<b>Tilt/Pan Angle</b>	Tilt: 30° - 90°, Pan: 170° - 170°
<b>Tilt/Pan Speed</b>	Tilt: 0.1° - 90° /s, Pan: 0.1° - 120° /s
<b>Zoom</b>	20x Optical, 20x Digital

### Connectivity

<b>Ethernet</b>	RJ-45, 100Mb
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### Video

<b>Video Outputs<sup>1</sup></b>	3G-SDI, DVI-D/HDMI® output, USB 3.0
<b>Video Outputs<sup>1</sup></b>	3G-SDI, DVI-D/HDMI® output, USB 3.0, NDI HX over Ethernet
<b>Video Outputs<sup>1</sup></b>	3G-SDI (Tracking and Reference), NDI HX over Ethernet
<b>Signal Formats (HD)</b>	1080p60/50/30/25, 1080i60/50, 720p60/50
<b>IP Video Compression</b>	H.265, H.264 (Four streams) (IP Stream Only)
<b>Streaming</b>	RTSP, RTMP
<b>Streaming Resolution</b>	Up to 1080p60, User-selectable framesize/framerate/bitrate

### Audio

<b>IP Audio Compression</b>	AAC (IP Stream Only)
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### Power

<b>Power</b>	12VDC, <30 W, PoE+
<b>PoE+ Rating</b>	25.5 W

**NOTE:** To comply with the European Directive (CE), shielded CAT5e cable must be used as a minimum for PoE power.

### Environmental

<b>Temperature</b>	32° to 104°F (0° to 40°C)
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### Construction

<b>Mounting</b>	1/4 in. threaded mount hole, compatible with Wall Mount and J-Mount ceiling bracket
<b>Color</b>	Silver
<b>S/N</b>	≥50dB

### Dimensions

<b>Dimensions</b>	8.9 in. x 8.3 in. x 6.4 in. (226 mm x 211 mm x 163 mm)
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### Weight

4.3 lb (1.96 kg)

## Included Accessories

Power Supply

Serial Control Breakout

Wall Mount

USB with 1B Cam Manager Software

## Available Accessories

For a list of available accessories, visit the [IV-CAMA3-20-N-SLVR-1B](#) product page.

Note:

1. The IV-CAMA3-20-N-SLVR-1B camera includes integrated circuits produced by HiSilicon (part numbers HI3516ARBCV100 and HI3516ARFCV200), a subsidiary of Huawei Technologies Company.

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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 by calling 855-263-8754.

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

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