IV-CAMA3-20-SLVR-1B

1 Beyond AutoTracker™ 3 Presenter Tracking Camera, 20x Optical Zoom, 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, and control*
- *Compatible with Automate™ multicamera systems*
- *Supports 20x optical zoom for tracking distances up to 50 ft from the participants*

The IV-CAMA3-20-SLVR-1B[1] is a high quality PTZ camera that automatically tracks and frames a presenter based on facial and motion detection. Ideal for lecture capture or conferences, the IV-CAMA3-20-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-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-SLVR-1B camera with Microsoft Teams®, Zoom Rooms™, Cisco WebEx®, MediaSite®, or Panopto®. The IV-CAMA3-20-SLVR-1B camera includes 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-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-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-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.

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).

Specifications

Optics and Processing

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

Pan, Tilt, Zoom

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

Connectivity

Ethernet	RJ-45, 100Mb

Video

Video Outputs[1]	3G-SDI (Tracking and Reference)
Signal Formats (HD)	1080p60/50/30/25, 1080i60/50, 720p60/50
IP Video Compression	H.265, H.264 (Four streams) (IP Stream Only)
Streaming	RTSP, RTMP
Streaming Resolution	Up to 1080p60, User-selectable framesize/framerate/bitrate

Audio

IP Audio Compression	AAC (IP Stream Only)

Power

Power	12VDC, <30 W, PoE+
PoE+ Rating	25.5 W

Environmental

Temperature	32° to 104°F (0° to 40°C)

Construction

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

Dimensions

Dimensions	8.9 in. x 8.3 in. x 6.4 in. (226 mm x 211 mm x 163 mm)

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-SLVR-1B product page.

Note:

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

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 by calling 855-263-8754.

This product is covered under the Crestron standard limited warranty. Refer to www.crestron.com/warranty for full details.

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

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

Specifications are subject to change without notice.

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