

IV-CAMFR-12-N-SLVR-1B

1 Beyond AutoFramer™ Group Framing Camera, 12x Optical Zoom, NDI®|HX Compatible



- *Automatically frames all meeting participants*
- *Optimizes the video frame as participants enter and exit the room*
- *Compatible with popular conferencing platforms such as Microsoft Teams® and Zoom Rooms™ software*
- *Connects directly to a codec or recording/streaming device with no external computer required*
- *High quality video supporting resolutions up to 1080p60*
- *Suitable for small to medium sized conference rooms*
- *Optional manual control for standard PTZ camera functionality*
- *Compatible with Automate™ VX multicamera systems*
- *Single Ethernet connection provides power (PoE+), monitoring, control, and NDI®|HX compatible video (NDI|HX is only supported on the IV-CAMFR-12-N-SLVR-1B.)*
- *Single Ethernet connection provides power (PoE+), monitoring, control, and NDI®|HX compatible video*

The IV-CAMFR-12-N-SLVR-1B¹ is a high quality intelligent PTZ IP camera that automatically frames all meeting participants in the room. The IV-CAMFR-12-N-SLVR-1B is ideal for small to medium sized conference rooms.

Automatic Optimal Framing

Autoframing technology eliminates the limitations of presets or the need to adjust the camera by automatically detecting and framing all meeting participants in the room. The IV-CAMFR-12-N-SLVR-1B camera automatically adjusts as participants enter or leave the room and uses optimal framing to eliminate empty space when a room is not full.

Conferencing Compatibility

Optimize video conferencing, recording, or streaming by using the IV-CAMFR-12-N-SLVR-1B camera with Microsoft Teams®, Zoom Rooms®, Cisco WebEx®, MediaSite®, or Panopto® software. The IV-CAMFR-12-N-SLVR-1B camera includes NDI|HX, 3G-SDI, DVI, and USB 3.0 video outputs for use with popular video conferencing codecs and capture appliances.

The IV-CAMFR-12-N-SLVR-1B is certified for Zoom Rooms® software with the Inogeni™ 4KXUSB3 converter for camera control.

High Quality Video

A high quality Sony Exmor® CMOS sensor enables the camera to output up to 1080p60 resolution video. The IV-CAMFR-12-N-SLVR-1B works well in low light and in front of bright screens.

Flexible for Variety of Room Sizes

The IV-CAMFR-12-N-SLVR-1B is ideal for small to medium conference rooms with an optimal distance of 5 to 25 ft (2 to 8 m) between camera and subject. A wide field of view (72.5°) and 12x optical zoom also accommodate various room sizes.

Networked Power, Stream, and Control

Connect a single Ethernet cable to power (PoE+), monitor, set up, and control the IV-CAMFR-12-N-SLVR-1B camera. The camera accepts standard VISCA commands or use a Crestron® control system. 1 Beyond Camera Manager Software is included for easy configuration from a computer on the network.

Optional Manual Control

With autoframing turned off, the camera operates like a standard PTZ camera and is controllable via USB, Serial, or IP.

Multicamera Capability with Automate Systems

Add the IV-CAMFR-12-N-SLVR-1B camera to an Automate VX 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. (NDI|HX is only supported on the IV-CAMFR-12-N-SLVR-1B.)

Mounting Options

Standard mounting holes make it easy to mount the camera to a wall mount (included).

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Specifications

Optics and Processing

Image Sensor	1/2.8 in. Sony Exmor CMOS, 2.14MP
Recommended Range	5-25 ft from subject, 4-6 ft from ground
Focal Lens & Iris	Tracking Camera: f=3.9-46.8 mm, F1.6 - F2.8; Wide-Angle Camera: f=2.4 mm
Field of View	Tracking Camera: 72.5° - 6.3° Wide-Angle Camera: Horizontal 86° , Vertical 52°
Focus System	Tracking Camera: Auto, Manual, PTZ Push, One Push Wide-Angle Camera: Fixed
Minimum Illumination	0.5 Lux (30FPS)
Shutter Speed	1/1 - 1/10,000 sec
Gain	Tracking Camera: Auto, Manual Wide-Angle Camera: Auto
White Balance	Tracking Camera: Auto, Indoor, Outdoor, One Push, Manual Wide-Angle Camera: Auto
Exposure	Tracking Camera: Auto, Manual, Shutter Priority, Iris Priority, Brightness Priority Wide-Angle Camera: Auto
Number of Presets	Up to 256
Serial Control	RS-485, RS-232 (VISCA, PELCO-D), USB 3.0
IP Control Protocol	HTTP, RTP, TCP, UDP, ONVIF

Pan, Tilt, Zoom

Tilt/Pan Angle	Tracking Camera: Tilt: 30° - 90°, Pan: 170° - 170°; Wide-Angle Camera: N/A
Tilt/Pan Speed	Tracking Camera: Tilt: 0.1° - 90° /s, Pan: 0.1° - 120° /s; Wide-Angle Camera: N/A
Zoom	Tracking Camera: 12X Optical, 12X Digital; Wide-Angle Camera: N/A

Connectivity

Ethernet	RJ-45, 100Mb
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Video

Video Outputs¹	3G-SDI, DVI-D/HDMI® output, USB 3.0
Video Outputs¹	3G-SDI, DVI-D/HDMI® output, USB 3.0, NDI HX over Ethernet

Signal Formats (HD)	1080p60/50/30/25, 1080i60/50, 720p60/50
IP Video Compression	H.264 (Dual stream)
Streaming	RTSP, RTMP
Streaming Resolution	Up to 1080p60, User-selectable framesize/framerate/bitrate

Audio

IP Audio Compression	AAC
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Power

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

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

Environmental

Temperature	32° to 104°F (0° to 40°C)
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Construction

Mounting	1/4 in. threaded mount hole for 90° Wall Mount
Color	Silver
S/N	≥50dB

Dimensions

Dimensions	9.6 in. x 8.3 in. x 6.4 in. (244 mm x 211 mm x 163 mm)
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Weight

	2.64 lb (1.2 kg)
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Included Accessories

Power Supply

Wall Mount

Serial Control Breakout

USB 3.0 Cable

Remote Controller

Available Accessories

For a list of available accessories, visit the [IV-CAMFR-12-N-SLVR-1B](#) product page.

Note:

1. The IV-CAMFR-12-N-SLVR-1B and IV-CAMFR-12-SLVR-1B cameras includes integrated circuits produced by HiSilicon (part numbers HI3516ARBCV100 and HI3516ARFCV200), a subsidiary of Huawei Technologies Company.

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