

IV-CAM-I12-GV-B

Crestron 1 Beyond i12 Intelligent PTZ Camera, 12x Optical Zoom, Government Version



- TAA compliant for government deployments
- Visual AI for Presenter Tracking
- High quality video supporting resolutions up to 1080p60
- Automatically pans, tilts, and zooms with dual camera technology, no external computer required
- Supports optical zoom for tracking distances up to ft from participants
- Connects directly to a codec or recording/streaming device
- Single Ethernet connection provides power (PoE), viewing,
- Easily configured with Crestron 1 Beyond Camera Manager 2 software
- Compatible with Automate VX multi-camera systems

The [IV-CAM-I12-GV-B](#) is a high quality intelligent PTZ camera that uses visual AI to automatically track or frame. The IV-CAM-I12-GV-B is ideal for group framing meeting participants in medium to large conference rooms, and presenter tracking in medium sized training rooms and classrooms. The IV-CAM-I12-GV-B has a dual camera design; the wide-angle reference camera uses visual AI to direct the PTZ camera. All visual AI is built into the camera – no external system is needed.

The IV-CAM-I12-GV-B is a TAA-compliant camera that is suitable for government deployments.

Automate VX Compatible

The IV-CAM-I12-GV-B camera is compatible with Automate VX multi-camera speaker tracking systems. Use the IV-CAM-I12-GV-B presenter tracking in a designated area within ft.

High Quality Video

A high quality Sony® CMOS sensor enables the camera to output up to 1080p60 resolution video.

Networked Power, Viewing, and Control

Connect a single Ethernet cable to power (PoE), view, set up, and control the IV-CAM-I12-GV-B camera.

Mounting Options

Standard mounting holes make it easy to mount the camera. The IV-CAM-I12-GV-B is compatible with the [IV-CAMA-UMB](#) Universal Mounting Bracket, [IVA-WMT-BRKT-1B](#) Wall Mount Bracket, and [IVA-CMT-BRKT-1B](#) J-Mount Ceiling Bracket.

Specifications

Optics

| | |
|---------------------------|--|
| Image Sensor | 1/2.8 Sony® CMOS Sensor |
| Optical Zoom | 12x |
| Focal Length | F=4.1-49.2 mm |
| Field of View (PTZ) | Horizontal: 67.68° |
| Field of View (Reference) | Horizontal: 104° (changes based on camera mode) |
| Shutter Speed | 1/50-1/10,000 sec |
| Iris | F1.8-F2.68 |
| Minimum Illumination | 2 lux |
| Pan/Tilt Angle | Pan: -130° – 130°, Tilt: -30° – 90° |
| Pan/Tilt Speed | Pan: 0.2° – 90°/s, Tilt: 0.2° – 70°/s |
| White Balance | Auto, Indoor, One Push, Manual |
| Exposure | Auto, Manual, Shutter Priority, Iris Priority, Brightness Priority |

Camera Processing

| | |
|-----------------------------|---|
| Intelligent Video Functions | Group Framing, Presenter Tracking, Multi-Camera Switching |
| Presets | Up to 256 configurable presets |

Video

| | |
|----------------|---|
| Video Outputs | 3G-SDI, HDMI®, USB, ONVIF, RTSP, UVC |
| Signal Formats | SDI or HDMI: 1080p60/59.94/50/30/29.94/25, 720p60/59.94/50 USB: 1080p30/25, 720p30/25, 360p30 |

Communications

| | |
|----------|----------------|
| USB | USB-B 3.0 |
| Ethernet | RJ-45, 100Mbps |
| Serial | RS-232, RS-485 |

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Control Protocol VISCA/TCP, VISCA/UDP, PELCO-D, PELCO-P, ONVIF

Management Client

Software Crestron 1 Beyond Camera Manager 2 (Windows® OS computer required)

Connectors

| | |
|-------------------|--|
| COM | (1) 5-pin 3.5 mm detachable terminal block; Bidirectional RS-232/485 port |
| PoE | (1) 8-pin RJ-45 connector, female |
| 3G-SDI OUT | (1) BNC connector, female; 3G-SDI digital video output |
| HDMI OUT | (1) HDMI Type A connector; HDMI digital video output |
| USB | (1) USB Type B connector, female; USB 3.0 device port for video and control |
| 12VDC 2.5A | (1) 3.3 mm DC power connector; 12VDC power input; PW-1225DU power pack sold separately |

Controls and Indicators

| | |
|-------------------|---|
| Status Bar | (1) Multisegment tricolor LED bargraph; Half green LED bargraph indicates live camera feed; Full green LED bargraph indicates camera tracking; Full amber LED bargraph indicates firmware upgrade; Half red LED bargraph indicates Privacy Mode |
| RESET | (1) Recessed push button for hardware reset |

Power

| | |
|-------------------------------------|--|
| Power Source Options | Ethernet (PoE), Power Pack (PW-1225DU) |
| Power over Ethernet | IEEE 802.3af Class 3 Powered Device |
| Power over Ethernet Rating | 15.4 W |
| Power Pack (sold separately) | 12VDC, 2.5A, 50/60 Hz |

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) |
| Humidity | 10% to 90% RH (noncondensing) |

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Construction

| | |
|-------------------------|--|
| Mounting Options | IV-CAMA-UMB 1 Beyond Universal Mounting Bracket (), IVA-WMT-BRKT-1B 1 Beyond Wall Mount Bracket (sold separately), IVA-CMT-BRKTJ-1B 1 Beyond J-Mount Bracket (sold separately) |
| Mounting Thread | 1/4 in. threaded mount hole |

Dimensions

| | |
|---------------|-------------------|
| Height | 6.55 in. (166 mm) |
| Width | 8.89 in. (226 mm) |
| Depth | 5.86 in. (149 mm) |

Weight

4.11 lb (1.86 kg)

Compliance

Regulatory Model: M202306001

FCC Part 15 Class B, IC Class B, CE, Intertek® Listed for US and Canada

Model

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Included Accessories

IV-CAMA-REMOTE

Crestron 1 Beyond IR Camera Remote

Available Accessories

For a list of available accessories, visit the [IV-CAM-I12-GV-B](#) 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.

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