

IV-CAM-P20-GV-B

Crestron 1 Beyond p20 PTZ Camera, 20x 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, and control
- Easily configured with Crestron 1 Beyond Camera Manager 2 software
- Compatible with Automate VX multi-camera systems

The [IV-CAM-P20-GV-B](#) is a high quality PTZ camera that outputs up to 1080p60 resolution video. The IV-CAM-P20-GV-B is ideal for meetings in where one camera needs to capture several areas of the room. The IV-CAM-P20-GV-B can be used with the [Crestron 1 Beyond Automate VX Series](#) as part of a complete multi-camera switching solution. The IV-CAM-P20-GV-B supports a single Ethernet connection and provides power (PoE), viewing, and control on a network.

The IV-CAM-P20-GV-B is a TAA-compliant camera that is suitable for government deployments.

Automate VX Compatible

The IV-CAM-P20-GV-B camera is compatible with Automate VX multi-camera speaker tracking systems. Use the IV-CAM-P20-GV-B for close up shots of active speaking participants in

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-P20-GV-B camera.

Mounting Options

Standard mounting holes make it easy to mount the camera. The IV-CAM-P20-GV-B ships with the color matched [IV-CAMA-UMB](#) Universal Mounting Bracket, and is compatible with the [IVA-WMT-BRKT-1B](#) Wall Mount Bracket and the [IVA-CMT-BRKT-1B](#) J-Mount Ceiling Bracket (both sold separately).

Specifications

Optics and Processing

Image Sensor	1/2.8 Sony® CMOS Sensor
Optical Zoom	20x
Focal Length	F=5.2-94 mm
Field of View	Horizontal: 56.45°
Shutter Speed	1/50-1/10,000 sec
Iris	F1.5-F3.0
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
Presets	Up to 256 configurable presets
White Balance	Auto, Indoor, One Push, Manual
Exposure	Auto, Manual, Shutter Priority, Iris Priority, Brightness Priority

Video

Video Outputs	3G-SDI, HDMI®, USB, NDI® HX, 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
Control Protocol	VISCA/TCP, VISCA/UDP, PELCO-D, PELCO-P, ONVIF

Management Client

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

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	6.51 in. (165 mm)
Width	8.90 in. (226 mm)
Depth	5.86 in. (149 mm)

Weight

4.12 lb (1.87 kg)

Compliance

Regulatory Model: M202306003

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

Model

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Included Accessories

IV-CAMA-UMB

Crestron 1 Beyond Universal Mounting Bracket

Available Accessories

For a list of available accessories, visit the [IV-CAM-P20-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.

The original language version of this document is U.S. English. All other languages are a translation of the original document.

The product warranty can be found at www.crestron.com/warranty.

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

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

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