

IV-CAMPTZ-20-N-W-1B

1 Beyond PTZ Camera, 20x Optical Zoom, NDI®|HX Compatible, White



- *High quality video supporting resolutions up to 1080p60*
- *Control using VISCA over IP*
- *Smooth and quiet operation*
- *Compatible with Automate™ multicamera systems*
- *Image Flip allows for optional inverted mounting*
- *Single Ethernet connection provides power (PoE+), monitoring, control, and NDI®|HX compatible video*

The IV-CAMPTZ-20-N-W-1B¹ is a high quality PTZ IP camera that can output up to 1080p60 resolution video via the 3G-SDI or HDMI® ports. It is ideal for any meeting where one camera needs to capture several areas of the room. Combine with 1 Beyond Automate VX for a multi-camera speaker (presenter) tracking solution. The IV-CAMPTZ-20-N-W-1B camera supports a single Ethernet connection and provides power (PoE+), monitoring, control, and NDI®|HX video.

High Quality Video

A high quality Sony Exmor® CMOS sensor enables the camera to output up to 1080p60 resolution video via the 3G-SDI or HDMI ports.

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.

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-CAMPTZ-20-N-W-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 Functionality

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). Image flip allows the camera to be mounted inverted if needed.

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Specifications

Optics and Processing

Image Sensor	1/2.8 in. Sony Exmor CMOS, 2.14MP
Focal Lens & Iris	f=4.7-94 mm, F1.6 - F3.5
Field of View	59.5° - 2.9°
Focus System	Auto, Manual, PTZ Trigger, One Push
Minimum Illumination	0.5 Lux (30FPS)
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)
IP Control 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
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Video

Video Outputs ¹	3G-SDI, HDMI, NDI HX over Ethernet ²
Signal Formats (HD)	1080p60/50/30/25, 1080i60/50, 720p60/50/30/25
IP Video Compression	H.264 (Dual stream)
Streaming	RTSP, RTMP
Streaming Resolution	Up to 1080p30, User-selectable framesize/framerate/bitrate

Audio

IP Audio Compression	AAC
Audio Input	1x Line In

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, compatible with Wall Mount and J-Mount ceiling bracket
Color	White
S/N	≥50dB

Dimensions

Dimensions	8.9 in. x 8.1 in. x 6.3 in. (226 mm x 206 mm x 160 mm)
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Weight

3.74 lb (1.7 kg)

Note:

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

Included Accessories

Power Supply

Wall Mount

Serial Control Breakout

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.

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HDMI

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