

# ClearVIEW™ HD-USB PTZ

USB, H.264 and Analog HD Pan/Tilt /Zoom Conferencing Camera

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The extraordinary Vaddio™ ClearVIEW HD-USB PTZ Conferencing Camera system includes many of the features that you would expect out of a professional PTZ camera, plus much more! The ClearVIEW HD-USB is the world's first broadcast-quality HD PTZ camera with USB 2.0 output, Ethernet streaming and analog component (YPbPr) outputs built right into the camera. Simply plug the HD-USB camera directly into your PC without the need of a separate capture device. The ClearVIEW HD-USB uses standard USB 2.0 UVC drivers where no special USB drivers require installation. As a result the HD-USB camera works seamlessly with any software application running on any OS that supports USB 2.0 devices. All this, and the ClearVIEW HD-USB PTZ cameras are made in the USA.

The ClearVIEW HD-USB combines impressive performance with an equally impressive feature set. Using the UVC standard drivers for USB 2.0 video, the HD-USB camera is a plug and play PTZ camera for Unified Communications soft client conferencing systems such as Skype®, Google+®, Jabber® and Lync®, which offers a vast improvement over the “inexpensive webcam” systems available today.

The HD-USB is a high definition conferencing camera suitable for the small, medium or even the largest conferencing space available. The HD-Zoom lens allows HD-USB to capture a wide angle of view (58.1°) to view everyone at a conference room table, as well as capture an individual from a long distance (3.2°) in a larger room.

The ClearVIEW HD-USB also supports H.264 video streaming. With a built in Ethernet network interface both IP control and IP Streaming can be done directly from the camera. It supports either RTSP or HLS streaming protocols.

The motorized zoom lens offers 19X optical zoom and is built around a 1/3-Type Sony® Exmor, progressive scan, high-speed, low noise CMOS image sensor with a total of 1.3 Megapixels for precise and vibrant HD color video images. The HD-USB achieves improved picture quality even in low light environments requiring a minimum illumination rated at an amazingly low 0.7 LUX (F1.6 - 50IRE).



## INCLUDES

- HD-USB PTZ Camera
- PowerRite™ 12 VDC, 3.0 Amp Power Supply and Power Cable
- Vaddio IR Remote Commander
- EZCamera™ Control Adapter (RJ-45F to DB-9F)
- HD-USB Streaming Slot Card (permanently mounted)
- 10' (3.05m) USB 2.0 Type A (male) to USB B (Male) Cable
- Documentation



## FEATURES

- Professional Quality** The HD-USB PTZ Camera system is the world's first broadcast-quality HD PTZ camera with a USB 2.0 output, Ethernet streaming (H.264) and analog component (YPbPr) outputs built right into the camera. The HD-USB camera offers dealers and end-users a vast improvement over the “inexpensive webcam” systems available today.
- Easy to Install** Using the UVC standard drivers for USB 2.0 video, the HD-USB camera is an easy to install PTZ camera for Unified Communications soft client conferencing systems such as Skype®, Google+®, Jabber® and Lync® and more.
- Powerful Zoom Lens** The HD-Zoom lens allows HD-USB to capture a wide angle of view (58.1°) to view everyone at a conference room table, as well as capture an individual from a long distance (3.2°) in a larger room application. The professional HD motorized zoom lens offers 19X optical zoom and is built around a 1/3-Type Sony® Exmor, progressive scan, high-speed, low noise CMOS image sensor with a total of 1.3 Megapixels for precise and vibrant HD color video images.

## TECHNICAL FEATURES (CONTINUED)

- Low Light Capable** The HD-USB achieves improved picture quality even in low light environments requiring a minimum illumination rated at an amazingly low 0.7 LUX (F1.6 - 50IRE).
- Advanced DSP** The HD-USB has an advanced DSP that allows the user to set a luminance target, where the iris, shutter and (AGC) gain will work together to maintain the target luminance while reducing overall noise. An OSD or on-screen display allows the user to configure the image quickly and easily.
- Made in the USA** The ClearVIEW HD-USB PTZ camera is made in the USA, at Vaddio, in the greater Minneapolis/St. Paul, Minnesota area.

## TECHNICAL FEATURES (REAR PANEL CONNECTIONS)



### CONNECTORS - TOP ROW, LEFT TO RIGHT

- Power Connector: EIAJ-04, 12VDC, 3.0 Amp
- HD Rotary Video Select Switch: Leave on setting "0" (720p/59.94)
- 10-Position Dip Switch for Camera Settings
- RJ-45 Jack for RS-232 Communication (disabled in HD-USB System)
- YPbPr Analog Component Output on DE-15
- SD (CVBS) Out on BNC Connector
- EZPower / HD Video RJ-45 for use with Quick-Connect SR Systems

### CONNECTORS - BOTTOM ROW, LEFT TO RIGHT (ON PERMANENT SLOT CARD)

- Power Connector: EIAJ-03, 5 VDC for USB extension systems
- USB 2.0 Type-B Female connector
- Rotary Selection Switch for USB and H.264 Profile Selection
- Network Port with ready and usage LEDs
- RS-232 Port on RJ-45 for control of HD-USB camera functions

## SPECIFICATIONS

<b>Part Numbers</b>	ClearVIEW HD-USB PTZ 999-6990-000 (North America) ClearVIEW HD-USB PTZ 999-6990-001 (International)
<b>Video Outputs</b>	USB 2.0 (MJPEG), MPEG4/H.264 (IP), Analog Component (YPbPr), CVBS Resolution up to 1080p/30 (IP) or up to 720p/30 (USB 2.0) and 1080p/60 (YPbPr)
<b>USB Interface</b>	Connector: Type-B, USB 2.0 Compliant, Supported Drivers: Standard UVC, RNDIS device (no custom drivers)
<b>Network Interface</b>	Connector: RJ-45, 10/100 Base-T, Supported Protocols: RTSP Streaming, HLS Streaming
<b>H.264 Resolutions</b>	CIF, 640x480 (VGA), 480p, 720p/30 1080p/30 (1080p Ethernet only)
<b>User Control</b>	Vaddio IR Remote Commander, On Screen Display for camera set-up, RS-232, Ethernet (webpage) and USB 2.0
<b>Supported Media Players</b>	Windows Media Player, Apple Quick-Time and VLC Media Player
<b>Supported Browsers</b>	Internet Explorer, Safari, Safari/iOS, Chrome, FireFox
<b>Image Sensor</b>	1/3-Type Exmor High-speed, Progressive Scan CMOS Sensor with 1.3 Megapixels
<b>Minimum Illumination</b>	0.7 LUX (F1.6, 50IRE)
<b>Lens/Focal Length</b>	19X Optical Zoom, F=4.5mm wide to 85mm tele (F1.6-F2.9), Min. Focus Distance 1.0m
<b>Horizontal Viewing Angle</b>	58.1° Wide End to 3.2° Tele End - 16:9 Format
<b>Pan Range</b>	Pan: +170 degrees to -170 degrees, Tilt: +90 degrees to -30 degrees, Invertible for Ceiling Mount
<b>Preset Positions</b>	16 (internal), 6 recalled via IR Remote
<b>General Information</b>	
<b>Operating Temperature</b>	32° to 104° F (0° to 40° C) / 20% to 80% Relative Humidity
<b>Dimensions/Weight</b>	7.81" (198.37mm) H x 6.67" (169.42mm) W x 7.057" (179.25. mm) D / 6.04 lbs. (2.7397kg.)

Learn more about our complete line of cameras and camera control equipment at 800-572-2011 or [vaddio.com](http://vaddio.com)

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REDEFINING CAMERA CONTROL