

# WallVIEW™ HD-USB PRO System



HD-USB PTZ Camera, Extreme USB 2.0 Extenders, Power Extension Module and Thin Profile Mount

Based on the Vaddio ClearVIEW™ HD-USB PTZ Conferencing Camera, the WallVIEW HD-USB PRO System includes many of the features that you would expect out of a WallVIEW branded product. The ClearVIEW HD-USB PRO is the world's first broadcast-quality HD PTZ camera with USB 2.0 output, Ethernet and analog component (YPbPr) outputs built right into the camera. Simply plug the HD-USB camera directly into a PC and there is no need for a separate capture device. The ClearVIEW HD-USB PRO uses standard USB 2.0 UVC drivers, which means that no special USB drivers require installation. As a result the HD-USB PRO camera system works seamlessly with any software application running on any OS that supports USB 2.0 devices.

The ClearVIEW HD-USB PRO camera system combines impressive performance with an equally impressive feature set. Because it uses UVC standard drivers for USB 2.0 video, the HD-USB camera is a plug and play camera for many Unified Communications soft client conferencing systems such as Lync® Skype®, Jabber® and Vidyo® offering a vast improvement over the inexpensive webcam systems available today.

The HD-USB PRO 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 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

- ClearVIEW 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)
- 10' (3.05m) USB 2.0 Type A (Male) to USB B (Male) Cable
- 1' (305mm) USB 2.0 Type A (Male) to USB B (Male) Cable
- Extreme USB 2.0 Extender (Remote or TX Side)
- Extreme USB 2.0 Extender (Local or RX Side)
- 1' (305mm) EIA-J03 to EIA-J03 Power Cable (power from camera to extender)
- 5 VDC Switching Power Supply (in case the PC Port is under 5 VDC)
- Power Extension Module
- PowerRite 24 VDC, 2.75 Amp Power Supply and Power Cable
- Thin Profile Mount and Hardware for the HD-USB Camera
- Velcro® Strip to mount Extreme USB Extender TX to Camera Mount
- 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** WallVIEW peripheral package includes a Thin Profile Mount for clean looking install, a set of Extreme USB 2.0 Extenders to extend the USB 2.0 up to 328.1' (100m) over CAT-5 and the Vaddio Power Extension Module for extending power to the camera over CAT-5e cable.
- 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).
- Made in the USA** The WallVIEW HD-USB system is made in the USA, at Vaddio, in the greater Minneapolis/St. Paul, Minnesota area.

## TECHNICAL FEATURES (REAR PANEL CONNECTIONS)



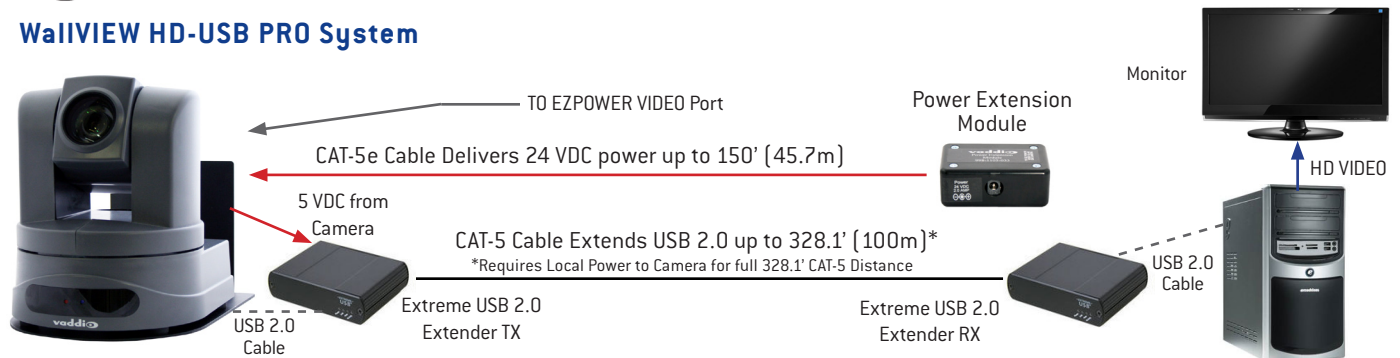
### CONNECTORS - TOP ROW, LEFT TO RIGHT

- 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 - shown capped off)
- YPbPr Analog Component Output on DE-15
- SD (CVBS) Out on BNC Connector
- EZPower / HD Video RJ-45 for use with Quick-Connects and Power Extension Modules

### CONNECTORS - BOTTOM ROW, LEFT TO RIGHT

- 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

## WallVIEW HD-USB PRO System



## SPECIFICATIONS

<b>Part Numbers</b>	WallVIEW HD-USB PRO System 999-6995-000 (North America) WallVIEW HD-USB PRO System 999-6995-001 (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 (no custom drivers)
<b>Network Interface</b>	Connector: RJ-45, 10/100 Base-T, Supported Protocols: RTSP Streaming, HLS Streaming (Streaming - Release 2.0)
<b>H.264 Resolutions (Release 2.0)</b>	ClF, 640x480 (VGA), 480p, 720p/30 1080p/30 (1080p Ethernet only) (Streaming - Release 2.0)
<b>User Control</b>	Vaddio IR Remote Commander, On Screen Display for camera set-up, RS-232, Ethernet (webpage)
<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/Min. Illumination</b>	1/3-Type Exmor High-speed, Progressive Scan CMOS Sensor with 1.3 Megapixels, 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>Extreme USB 2.0 Extension System</b>	Extreme USB 2.0 Remote or TX side powered by the camera, Extreme USB 2.0 Local or RX side powered by the PC Port. Distance: Up to 328.1' (100m) over CAT-5 or better cable, For the full 328.1' (100m) USB 2.0 Extension, local power for the camera is required, the joint solution (Power Extension Module and Extreme USB 2.0 Extenders) is limited to 150'(45.7m)
<b>Power Extension Module</b>	Module adapts 24 VDC to CAT-5e for extension to the EZ POWER VIDEO Port, extend power up to 150' (45.7m)
<b>Mount</b>	Thin Profile Wall Mount P/N: 535-2020-230 with mounting hardware
<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)

© 2012 Vaddio – All Rights Reserved. Reproduction in whole or in part without written permission is prohibited. Specifications and pricing are subject to change without notice. Vaddio, ClearVIEW, WallVIEW, PowerRite and EZCamera, are registered trademarks of Vaddio. All other trademarks are property of their respective owners.

**vaddio**  
REDEFINING CAMERA CONTROL