

Professional Camera Systems
for Integrators

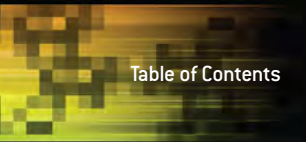


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HOW TO DESIGN

Professional AV with your PC



VIEW OUR VIDEO

STEP 1

Collect Customer Requirements

It is critical for the designer to understand the intended use for the conference room along with the PC soft-client applications deployed. Key questions for the customer are:

- What type of conferencing will be conducted in the room?
- Will a dedicated PC be installed in the conference room or will the room be a "Bring Your Own Device" installation?
- What PC soft-clients could be used within the room?
- How does the end-user control or want to control the PC-based room solution?
- Does the PC-based conferencing solution need to connect to any existing AV equipment?

STEP 2

Determine Conference Room Layout

- What is the size of the room?
- What is the maximum number of participants in the room and where could they be seated?
- How are the tables and chairs arranged within the room?
- Where will the room's video display be located?
- Does the room have an existing AV equipment enclosure?

STEP 3

Designing the Room

Select the appropriate EasyUSB devices based upon the customer requirements and room layout.

Starting with the camera selection, what will you use for video?

The ClearVIEW HD-USB PTZ camera has a USB connection emulating a standard web camera to the PC with HD video quality (720p) and full PTZ controls required for group conferencing environments.

Now that you have the camera, what type of audio will you need?

This is where The EasyTalk USB Audio products come in.

There are five products that make up the EasyTalk USB product line: The EasyUSB Mixer/Amp, The EasyMic MicPOD, EasyMic Ceiling MicPOD, Bose DS-16 Ceiling Speakers and the EasyTalk Sound Bar.

Now that you have audio and video, how do you control it?

Using the WEBBi. This room control system was designed to provide a browser-based room user interface with PTZ camera controls, camera presets, and full room audio controls including mute and volume.

STEP 4

AV Design Rules

In order to obtain optimal audio and videoconferencing performance within a room, a few key guidelines should be followed.

For Audio

- The designer needs to place the EasyMic in a location on the table or in the ceiling that covers all the potential participants in the room.
- A minimum of four feet separation should be maintained between any loudspeaker and the EasyMic devices.

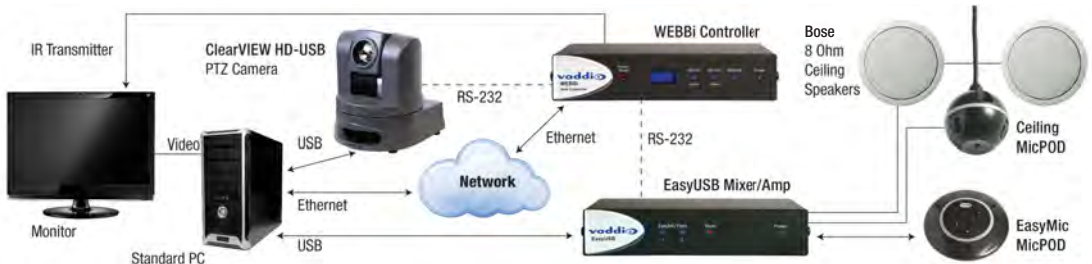
- The EasyMic MicPod has an optimal pick up radius of approximately 12 feet. However, this may vary based upon room acoustics.
- Using simple acoustical treatments such as carpeting, window shades, acoustical wall panels, or other physical absorbing material reduces audio reflections on surfaces such as walls, floors and ceilings.
- In videoconferencing applications, the loudspeakers should be placed near the LCD display.

For Video

- Locate the camera or cameras while paying close attention to viewing angles, lighting conditions, and site obstructions. Avoid placing cameras near fluorescent lights or open windows. For videoconferencing, an eye-to-eye aspect is desirable between the local and far-end participants.
- Know your field of view and optical zoom range of the PTZ camera. Wide-end horizontal viewing angles of 58 to 70 degrees is needed in videoconferencing group meeting rooms to make sure all participants can be framed in the shot.
- Use multiple PTZ cameras to cover large spaces. Don't try to cover large areas with a single PTZ Camera as this can produce very busy camera movements that can distract far-end participants. For corporate training rooms, always use a minimum of two PTZ cameras, one for the instructor and one for the students/audience.

Employing these simple guidelines in your room designs will allow all participants within the conference an exceptional user experience that is free of echoes, choppy audio, and tunnel speech.

Getting Professional AV from your PC



Vaddio ClearVIEW HD-USB

The ClearVIEW HD-USB is the world's first broadcast-quality HD PTZ camera with USB and Ethernet streaming built right into the camera. Now you can plug an HD PTZ camera directly into your PC – without the need for a separate capture device. Because the ClearVIEW HD-USB is a USB video class device (UVC), no special drivers need to be installed. As a result the camera works seamlessly with any software application running on any OS that supports USB 2.0 devices.

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

The camera features a 19x Optical Zoom lens with a 58.1-degree wide angle of view – wide enough to view everyone at a standard conference table, as well as capture an individual from a long distance at 3.2 degrees in a larger room. The zoom range provides great flexibility for a wide variety of applications.

FEATURES

- Outputs include USB 2.0, Ethernet streaming (H.264), Component HD (YPbPr) and Composite SD (BNC)
- USB video class device
- 1/3-Type Exmor high-speed CMOS Image Sensor
- 1.3 Megapixels
- Powerful 19x Optical Zoom lens with a wide angle of view (58.1°) to (3.2°)
- Extremely low 0.7 LUX rating
- Advanced DSP allows user to set a luminance target



Vaddio ClearVIEW HD-USB
North America 999-6990-000 International 999-6990-001

WallVIEW HD-USB SR

The WallVIEW HD-USB SR is built around the ClearVIEW HD-USB high definition camera, the world's first broadcast-quality HD PTZ camera with USB and Ethernet streaming built right into the camera.

The WallVIEW HD-USB SR includes the ClearVIEW HD-USB PTZ Camera and an active USB 2.0 port-powered extension cable for running power, video and control up to 65 feet.

FEATURES

- Outputs include USB 2.0, Ethernet streaming (H.264), Component HD (YPbPr) and Composite SD (BNC)
- Uses standard UVC drivers for USB 2.0
- 1/3-Type Exmor high-speed CMOS Image Sensor
- 1.3 Megapixels
- Powerful 19x Optical Zoom lens with a wide angle of view (58.1°) to (3.2°)
- Extremely low 0.7 LUX rating



WallVIEW HD-USB SR
North America 999-6994-000 International 999-6994-001

WallVIEW HD-USB PRO

The WallVIEW HD-USB PRO is built around the ClearVIEW HD-USB high definition PTZ camera, the world's first broadcast-quality HD PTZ camera with USB and Ethernet streaming built right into the camera.

The WallVIEW HD-USB PRO comes with a pair of active USB 2.0 cable extenders and a power extension module for running power, video and control up to 150 feet. If the camera is locally powered, video and control runs up to 300 feet.

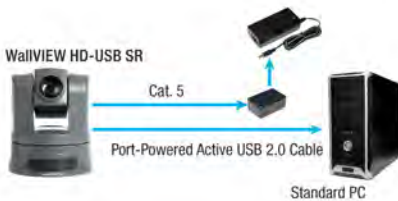
FEATURES

- Outputs include USB 2.0, Ethernet streaming (H.264), Component HD (YPbPr) and Composite SD (BNC)
- Uses standard UVC drivers for USB 2.0
- 1/3-Type Exmor high-speed CMOS Image Sensor
- 1.3 Megapixels
- Powerful 19x Optical Zoom lens with wide angle of view (58.1°) to (3.2°)
- Extremely low 0.7 LUX rating



WallVIEW HD-USB PRO
North America 999-6995-000 International 999-6995-001

ClearVIEW HD-USB Streaming and USB 2.0 Extension Systems



Streaming to a CDN

When Streaming to a Many Concurrent Users Use a CDN (Content Distribution Network)



Unicast Streaming

Unicast Streaming Output for up to 4 - 5 Concurrent Users



EasyTALK Wireless USB Mic System



The EasyTALK Wireless USB Mic System is the world's first professional-quality wireless microphone system designed to plug directly into your PC. It features a high-quality unidirectional lavalier microphone and belt pack transmitter with up to ten hours of battery life. And the 2.4GHz full frequency spectrum is based on a wireless digital transmitter and receiver that offer interference-free operation and wide-band sound quality.

There are two audio outputs to connect directly with your room's existing audio system, and with the enhanced DSP functions, you can customize the audio for specific room and speaking conditions. Besides both balanced and unbalanced outputs, the wireless mic system also incorporates a USB audio output.

FEATURES

- USB audio output on receiver for connection to PC for Skype-type applications
- Rechargeable belt pack unit for extended hours of operations using lithium-ion battery pack
- Wide-band audio (20Hz to 20KHz) support
- USB 2.0 Audio Class Device (UAC) / no drivers required
- Balanced and unbalanced line outputs
- Supports mixing modes for USB conferencing or as standard wireless mic
- Unidirectional lavalier microphone
- User selectable DSP with advanced processing (dip switches)
- Radio Link operates up to 100 feet
- GPIO Control Status
- RS-232 ASCII Command Protocol

EasyTALK Wireless USB Mic System
 North America 999-8550-000 International 999-8550-001

EasyMic MicPOD

The EasyMic MicPOD delivers professional audio quality into your PC system. Each MicPOD delivers the performance of three microphones built into an elegant tabletop enclosure.

With ultra wide 360-degree pickup coverage, one MicPOD is capable of providing excellent coverage for an average size meeting room table.

FEATURES

- Built-in echo cancellation
- Three unidirectional condenser elements for 360 degree coverage
- AEC per microphone element
- Typical pickup coverage of 6-10 feet
- DSP integrated into the Pod for hands-free conferencing
- Master Mute & Volume Controls plus On/Off Hook (if supported in UC Client)
- Home run to EasyUSB Mixer/Amp with standard Cat. 5 up to 100 feet (audio, control, power)
- Low profile design with diameter of 7.5 inches



EasyMic MicPOD
999-8500-000

EasyMic Ceiling MicPOD

The EasyMic Ceiling MicPOD microphones deliver professional audio quality into your PC system. Each MicPOD delivers the performance of three microphones built into an elegant pendant hanging enclosure. Each microphone element is equipped with integrated echo cancellation and Digital Signal Processing, including compression, equalization, filtering and AGC or automatic gain control. Because of the plug-and-play design, installation is as simple as connecting Cat. 5 cable between the EasyUSB Mixer/Amp and the EasyMic. Power, control and audio are all incorporated into the single cable.

FEATURES

- Uses three unidirectional cardioid elements
- 2.5-inch array head with mute indicator
- 36-inch adjustable drop cable
- DSP in Interface Box provides three AEC channels
- Optimized for ceiling acoustics
- Built in echo cancellation



EasyMic Ceiling MicPOD - Black
999-8515-000

EasyMic Ceiling MicPOD - White
999-8510-000

EasyUSB Mixer/Amp



The EasyUSB Mixer/Amp supports up to two EasyMic MicPOD microphones. In addition, analog line level I/O interfaces allow for integration with external AV equipment such as videoconferencing codecs, external amplifiers or LCD displays. The EasyUSB Mixer/Amp also has a 2 x 20 watt integrated audio amplifier for connection to external 4/8-Ohm speakers.

The EasyUSB uses a standard UAC driver, based on the guidelines set by the USB Implementers Forum, so you do not need to download any additional software or drivers. Instead, you just plug in each device and they work automatically with any operating system – Windows, Mac, Linux – you name it.

FEATURES

- Supports up to two EasyMic Devices (MicPOD or Ceiling MicPOD) using RJ-45 and Cat. 5 for audio, control, and power (100 feet)
- 2 x 20 Watt Class-D amplifier with 2-Pin Euro Terminal
- Connects to PC as a USB sound device
- USB 2.0 Audio Class Device (UAC) / no drivers required
- Auxiliary Line Input and Output
- Unbalanced Line Input and Output (RCA)

EasyUSB Mixer/Amp
 North America 999-8530-000 International 999-8530-001

Bose DS-16 Speaker Kit

The Bose FreeSpace DS-16F Loudspeaker Kit is a high-performance, flush-mount loudspeaker optimized for voice reproduction when used with the EasyUSB Mixer/Amp. The sleek styling visually blends into ceilings for a clean, unobtrusive look. Bose has long been associated with premium audio and this full-range speaker kit is no exception.

FEATURES

- Two (2) White Bose DS-16 Ceiling Speakers
- Two (2) Tile Support Braces
- Two (2) Plenum Rated Back Cans
- For use with EasyUSB Mixer/Amp



Bose DS-16 Speaker Kit
999-8560-000

EasyTALK Sound Bar

When added to the EasyUSB Mixer/Amp, the EasyTALK Sound Bar offers high-fidelity voice support of far-end audio for any conference application. It can be positioned above or below a flat screen TV or sit freestanding on a desk or credenza. A pair of rubber speaker feet is supplied for tabletop mounting.

FEATURES

- 3.75-inch paper cone woofers for superior dynamic impact
- 0.625-inch aluminum tweeters for superb clarity
- For use with EasyUSB Mixer/Amp



EasyTALK Sound Bar
999-8565-000

EasyTALK USB Audio Bundle System A

Including the EasyTALK Mixer/Amp, table MicPOD and Sound Bar, System A is a USB audio conferencing solution for small rooms using PC-based unified communication applications.

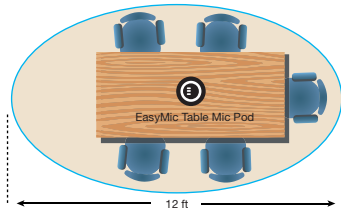
FEATURES

- One (1) EasyUSB Mixer/Amp
- One (1) EasyMic MicPOD with integrated echo canceling
- One (1) EasyTALK Sound Bar



EasyTALK USB Audio Bundle System A
 North America 999-8620-000
 International 999-8620-001

EasyTALK Sound Bar



EasyTALK USB Audio Bundle System B

USB Audio Conferencing solution for medium size rooms using PC-based unified communication applications.

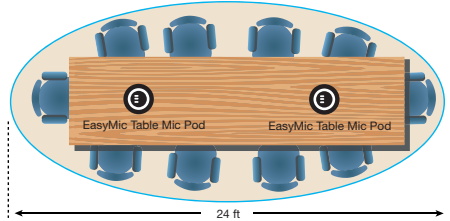
FEATURES

- One (1) EasyUSB Mixer/Amp
- Two (2) EasyMic MicPODs with integrated echo canceling
- One (1) EasyTALK Sound Bar



EasyTALK USB Audio Bundle System B
 North America 999-8630-000
 International 999-8630-001

EasyTALK Sound Bar



EasyTALK USB Audio Bundle System C

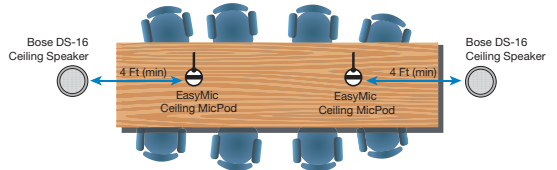
USB audio conferencing solution for medium size rooms using PC-based unified communication applications that require ceiling installation.

FEATURES

- One (1) EasyUSB Mixer/Amp
- Two (2) White EasyMic Ceiling MicPODs with integrated echo canceling
- One Pair (2) of Bose DS-16 Ceiling Speakers (white) with Tile Support Braces and Plenum Back Can



EasyTALK USB Audio Bundle System C
 North America 999-8640-000
 International 999-8640-001



EasyTALK USB Audio Bundle System D

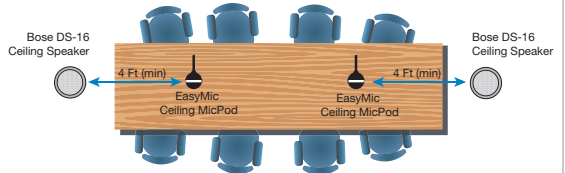
USB audio conferencing solution for medium size rooms using PC-based unified communication applications that require ceiling installation.

FEATURES

- One (1) EasyUSB Mixer/Amp
- Two (2) Black EasyMic Ceiling MicPODs with integrated echo canceling
- One Pair (2) of Bose DS-16 Ceiling Speakers (white) with Tile Support Braces and Plenum Back



EasyTALK USB Audio Bundle System D
 North America 999-8645-000
 International 999-8645-001



EasyTALK USB Audio Bundle System E

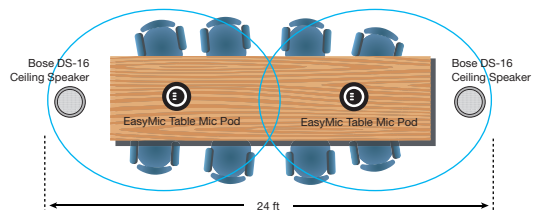
USB audio conferencing solution for medium sized rooms using PC-based unified communication applications requiring table mics and ceiling speakers.

FEATURES

- One (1) EasyUSB Mixer/Amp
- Two (2) EasyMic MicPODs with integrated echo canceling
- One Pair (2) of Bose DS-16 Ceiling Speakers (white) with Tile Support Braces and Plenum Back Can



EasyTALK USB Audio Bundle System E
 North America 999-8650-000
 International 999-8650-001



WEBBi Web Controller



All Vaddio EasyUSB components can be controlled through the WEBBi, a web-based server appliance with a universal browser-based control panel designed to control all of your EasyUSB devices. Instead of installing a complex custom control system, all of your cameras, switchers, audio – even powering on and off your TV can be done through the WEBBi controller.

The WEBBi Browser Control Panel screen allows the user to adjust the volume and MicPOD output levels; switch video sources; pan, tilt and zoom your PTZ camera and store and recall camera presets. Because it's controlled through a browser, you can use a PC, tablet, smartphone, wireless mouse, keypad – it doesn't matter. The WEBBi controls are activated via mouse or touchpad – so if you have a browser, you can control it.

Designed as a truly plug-and-play solution, simply plug the WEBBi into your Ethernet network, follow the easy setup menu in the startup screen to activate the devices you want controlled, and you are now ready to start controlling your system. It is that simple.

FEATURES

- Simple web-based room control for Vaddio EasyUSB devices
- Graphical user interface displays on any tablet or PC with a network
- Controls EasyUSB Mixer/Amp, ClearVIEW HD-USB Camera and Vaddio Automated Content Presentation Systems
- Minimal setup and configuration required
- Supports dedicated RS-232 port for audio and video devices

WEBBi Web Controller

North America 998-8700-000 International 998-8700-001

Optional 1/2 Rack Mounting Kit for EasyUSB Mixer/Amp or WEBBi

KEY FEATURES

- Includes one long ear and one short ear
- Use for EasyUSB Mixer/Amp or WEBBi



Optional 1/2 Rack Mounting Kit for EasyUSB Mixer/Amp or WEBBi 998-6000-004

WEBBi Controller Streaming Configuration



WEBBi Controller Audio Configuration



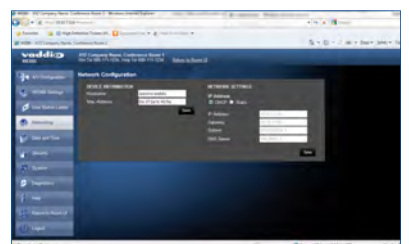
AutoPresenter User Interface



Single PTZ Camera User Interface



Admin Section User Interface



AV Bridge



Vaddio's AV Bridge provides integrators the ability to integrate soft codecs such as Skype, Cisco Jabber, Microsoft Lync, as well as many more, into their traditional AV designs. Vaddio's AV Bridge provides a USB gateway from your traditional analog AV components to your PC. Based on UVC/UAC USB standards, no special USB drivers need to be installed, and as a result, it works seamlessly with any software application running on any operating system that supports USB 2.0 devices. Whether you want to do a Skype video call or need to set up lecture capture using Panopto's software lecture application, the AV Bridge provides the USB connection to your AV system. Want to record or stream a meeting? Use the recording and streaming software of your choice – and AV Bridge will connect the audio and video sources.

The AV Bridge can support switchable balanced or unbalanced audio – and switchable HDMI, RGBHV, SD or HD component video inputs. Video inputs can be up or down converted as required. Outputs include USB 2.0 with HD UVC/UAC device support and an Ethernet network interface for both IP control and streaming, supporting RTSP and HLS streaming clients.

The AV Bridge makes it simple to encode, capture and stream your AV content through a variety of PC applications or directly to the network. You now have a true digital gateway to capture, record and stream those legacy analog solutions.

FEATURES

- Capture and stream meetings directly to PC (USB) or network (IP)
- Support HD encoding of audio/video sources
- IP streaming enables up to 1080p/30 using H.264
- Stream direct to PC with USB 720p/30 sources using MJPEG encoding with PCM uncompressed audio
- Seamlessly interfaces with most AV equipment
- Simple user interface and control
- Selectable audio and video inputs

AV Bridge
North America
999-8210-000

International
999-8210-001



AV Bridge Rear Panel

Vaddio AV Content Sources



Legacy System Content Sources





HOW TO DESIGN

an HD PTZ Camera System



VIEW OUR VIDEO

STEP 1

Camera Basics

Image Sensor Technology:

In the past, the only cameras worth buying had CCD image sensors and the best cameras were 3-CCD where the light was divided into 3-colors, processed individually and the most vivid and accurate color images were produced. Today a single backlit CMOS image sensor is capable of producing images comparable to the 3-CCD cameras, and with the same amount of low light characteristics.

STEP 2

SD or HD

If your application is going to include streaming or other compressed video applications, it may be more appropriate to use SD for these types of applications, as a larger image only means more compression. Another reason is cost and although the pricing of HD cameras is getting more and more reasonable, SD cameras are still less expensive than their HD counterparts.

If the application requires IMAG, high-quality recording or any other professional video application, HD will give you a clear image with higher resolution. SD will give you a more grainy image with lower resolution.

STEP 3

Camera Location and Camera Count

When locating the cameras in your design you should pay close attention to:

- Camera viewing angles
- Lighting conditions
- Possible line-of-site obstructions
- Obstructions where the camera is to be mounted

In an office environment, place the camera away from fluorescent lighting fixtures and open windows. Avoid having the ceiling and lighting fixtures in the shot. The direct light will have negative effects on all cameras.

In houses of worship, lighting can be exceptionally challenging. Because direct sunlight can be problematic, arrange the cameras so sunlight will not be in the background of the cameras point of view.

One of the biggest design "Don'ts" is trying to cover too large of an area with a single PTZ camera.

STEP 4

Camera Lens Operation

- Smaller videoconferencing rooms will need a wide-end horizontal viewing angle of 58° to 70° in order to capture the meeting participants seated at a conference table at a relatively short range.
- In larger rooms, like houses of worship and auditoriums, the tele-end horizontal viewing angle and magnification requirement may need to be as small as 2" to 3" with a 19x to 20x optical zoom range.
- For determining the image size and optical zoom strength of a candidate HD camera, reference the Vaddio PTZ Image Size Calculator at: www.vaddio.com/tech-center
- One of the automatic modes of PTZ cameras is Auto Iris, which estimates how wide to open the iris to collect light based on the image viewed in the sensor. This works in conjunction with gain, which is then added if required to help make the image bright enough for consistent presentation.
- Digital zooms should always be avoided in video production; they tend to cause poor video performance results.

STEP 5

Image Control

The Quick-Connect CCU allows users to adjust or "paint" the color balance, adjust the iris level, pedestal and gain levels remotely, all while delivering power, video and control over three Cat. 5 cables at 500 feet away.

Aperture

If a poor lighting situation requires manually setting the iris, disable Auto Iris, open the iris setting to the lowest F-stop, reduce iris gain as much as possible while maintaining shot brightness, and adjust the detail control as needed to soften the look. Reducing the F-stop will decrease depth of field, but this will still be sufficient for most situations.

Painting

If color correction is needed before or after Iris adjustments, disable Auto White Balance, then adjust pedestal so black areas look black and not grey. Dial in as much chroma as desired, then use the individual color controls to correct the color of the shot, paying close attention to blue and red. The best use of color correction always uses skin color as a reference.

STEP 6

Installing Cameras

Ensure all mounts are installed solidly; any free play in the mounting will show up as movement in the video during heavy zoom use.

STEP 7

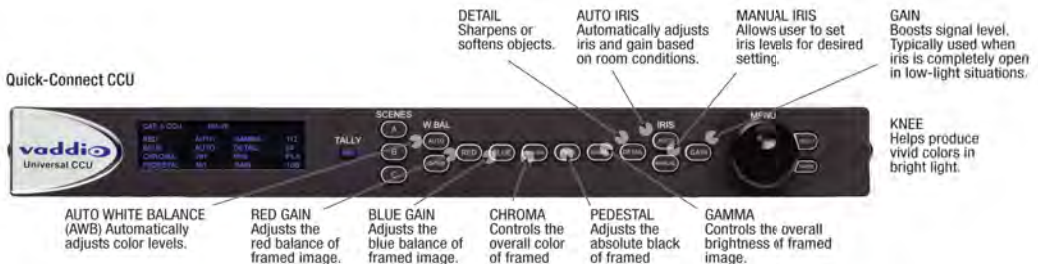
Lighting

Uniform lighting of 100 lux or better is required, similar to a well-lit office environment. Specifically, lighting in the 3200 to 5600 degree Kelvin range is needed; a combination of different light fixture types could be used to balance light across this spectrum for the best color balance.

Avoid

- Overly light or dark backdrops
- Highly glossy backgrounds
- Windows in a shot's background

Quick-Connect CCU for PTZ Cameras



Vaddio ClearVIEW HD-20 PTZ Camera

Experience an impressive 20x Optical HiLD® (High Index Low Dispersion) lens, with imaging sensor technology comparable to a 3-chip camera, from Vaddio's high definition PTZ camera, the ClearVIEW HD-20. The multi-element motorized zoom lens and slip-clutch robotics system enhance performance with smooth pan/tilt operation for accurate camera movement and control.

The HD-20 is built around a 6.49mm diagonal (1/3-Type) Sony Exmor sensor, which adopts the "Column-Parallel A/D Conversion Technique" to create images containing more detail than ever before. It combines the speed of the 3.27 megapixel CMOS sensor with the advanced quality image sensor technologies accumulated through the development of CCD sensors. With a LUX rating of 1.6, the HD-20 achieves improved picture quality in very low light environments, resulting in a truly accurate and clean HD video image.

FEATURES

- True Native HD 6.49mm diagonal (1/3-Type) high-speed CMOS Image Sensor
- 20x Optical HiLD lens
- 3.27 Megapixels
- Component HD and HDMI outputs (1080p, 1080i or 720p)
- Slip-clutch robotics
- 1.6 LUX Rating for low-light environments
- Optional video output cards available
- Includes PowerRite power supply, IR remote and AC cord set



Vaddio ClearVIEW HD-20 PTZ Camera
North America 999-6950-000 International 999-6950-001

WallVIEW HD-20

The WallVIEW HD-20 provides power to the camera and component HD video back to the Quick-Connect SR up to 100 feet over a single Cat. 5 cable. The WallVIEW HD-20 utilizes the EZ-Port on the back of the camera, making installation even easier.

FEATURES

- True Native HD 6.49mm diagonal (1/3-Type) high-speed CMOS Image Sensor
- 20x Optical HiLD lens
- 3.27 Megapixels
- Component HD output (1080p, 1080i or 720p)
- Slip-clutch Robotics
- Quick-Connect SR up to 100 feet over two Cat. 5 cables
- CONCEAL wall mount bracket and power supply



WallVIEW HD-20
North America 999-6950-000 International 999-6950-001

WallVIEW HD-20 DVI/HDMI

The WallVIEW HD-20 DVI/HDMI delivers simultaneous analog component video (YPbPr) and digital video (DVI-D or HDMI) outputs on separate connectors, ideal for multiple monitoring and large projection systems.

FEATURES

- True Native HD 6.49mm diagonal (1/3-Type) high-speed CMOS Image Sensor
- 20x Optical HiLD lens
- 3.27 Megapixels
- Component HD and DVI-D outputs (1080p, 1080i or 720p)
- Slip-clutch robotics
- Quick-Connect DVI/HDMI up to 100 feet over two Cat. 5 cables
- CONCEAL wall mount bracket and power supply
- Daisy Chain Emulation for multiple videoconferencing codec applications



WallVIEW HD-20 DVI/HDMI
North America 999-6950-000 International 999-6950-001

WallVIEW CCU HD-20 CAT-5

The WallVIEW CCU HD-20 CAT-5 enables the adjustment of white balance, color, pedestal, gamma, knee, chroma, detail, iris and gain functions with the turn of a knob on the Quick-Connect CCU. These controls deliver a more accurate representation of the image that is being captured and the ability to color match and shade multiple cameras. User-defined adjustments can be stored on three Scene-Store buttons. The Quick-Connect



WallVIEW CCU HD-20 CAT-5
North America 999-6957-100 International 999-6957-101

CCU Cat. 5 version delivers high-quality HD video, power and control over three Cat. 5 cables up to 500 feet without loss of video quality or latency. Outputs include analog component YPbPr, HDMI and HD-SDI for extreme flexibility in system design and integration. All three outputs are live simultaneously.

FEATURES

- True Native HD 1/3-type, 3.27 megapixels Exmor® High-speed CMOS Image Sensor
- 20x Optical Zoom
- Analog Component YPbPr, HD-SDI and HDMI Outputs - All CCU outputs are live
- AWB, red and blue gain, pedestal, knee, gamma, chroma, detail, iris and gain controls
- Run power, video and control up to 500 feet (152.4m) over Cat. 5 cable
- CONCEAL Wall Mount Included

WallVIEW CCU HD-20 Wireless

Built for the ClearVIEW HD-20 PTZ camera, the WallVIEW CCU HD-20 Wireless system includes the Quick-Connect CCU Wireless, the HD-20 with Wireless Slot Card/HDMI Transmitter and the Quick-Connect Air™ Antenna. The HD-20 with Wireless Slot Card/HDMI Transmitter can deliver high-quality HD video up to 100 feet – line of sight – away from the Quick-Connect Air Antenna. The CCU controls camera functions through a secondary control channel



WallVIEW CCU HD-20 Wireless
North America 999-6952-000 International 999-6952-001

and enables the adjustment of white balance, color, pedestal, gamma, knee, chroma, detail, iris and gain. The Wireless technology used is WHDI (Wireless Home Digital Interface), which enables the delivery of uncompressed HD video with video rates up to 1080p.

FEATURES

- True Native HD 1/3-type, 3.27 megapixels Exmor® High-speed CMOS Image Sensor
- 20x Optical Zoom
- Analog Component YPbPr, HD-SDI and HDMI Outputs - All outputs are live
- CCU allows control of AWB, red and blue gain, pedestal, knee, gamma, chroma, detail, iris and gain
- System Includes HD-20 High Definition camera, Quick-Connect CCU, Wireless Slot Card with HDMI Transmitter, Quick-Connect Air Antenna and all cables needed
- Thin profile wall mount included

Vaddio ClearVIEW HD-19 PTZ Camera

The ClearVIEW HD-19 high definition integrated robotic PTZ camera features a 19x Optical Zoom lens and is built around a 1/3-Type Exmor high-speed, low noise CMOS image sensor with a total of 1.3 Megapixels producing precise and vibrant HD color video images.

Using an increased pixel aperture size, high frame rate, high signal-to-noise, and column-parallel A/D conversion method, the detail and sensitivity of the sensor are increased and noise is diminished. Minimum illumination is rated at an astonishing 0.7 LUX.

FEATURES

- 19x Optical Zoom lens, simultaneous component HD (480i/29.97 up to 1080/60p) and SD outputs
- 1/3-Type Exmor high-speed CMOS Image Sensor
- 1.3 Megapixels
- Simultaneous HD (YPbPr) and SD (CVBS) outputs
- Slip-clutch robotics
- Includes IR remote, 12 VDC power supply and power cord
- Optional Slot Cards Available
- Available in Black or Arctic White



Vaddio ClearVIEW HD-19 - White
North America 999-6940-000AW
International 999-6940-011AW



Vaddio ClearVIEW HD-19 - Black
North America 999-6940-000
International 999-6940-001

WallVIEW CCU HD-19 CAT-5



The WallVIEW CCU HD-19 CAT-5 enables the adjustment of white balance, color, brightness, gamma, chroma, detail, iris and gain functions with the turn of a knob on the Quick-Connect CCU. These controls deliver a more accurate representation of the image that is being captured and the ability to color match and shade multiple cameras. User-defined adjustments can be stored on three Scene-Store buttons. The Quick-Connect CCU CAT-5 delivers high-quality HD video, power and control over three Cat. 5 cables up to 500 feet without loss of video quality or latency. Outputs include analog component YPbPr, HDMI and HD-SDI for extreme flexibility in system design and integration. All outputs are live simultaneously.

FEATURES

- 1/3-type, 1.3 megapixel, Exmor CMOS Image Sensor
- 19x Optical Zoom lens
- Great low light performance with 0.7 LUX rating
- Analog Component YPbPr, HD-SDI and HDMI Outputs - All CCU outputs are live simultaneously
- Red and blue gain, brightness, gamma, chroma, detail, iris and gain controls
- Run power, video and control up to 500 feet (152.4m) over Cat. 5 cable
- CONCEAL Wall Mount Included

WallVIEW CCU HD-19 CAT-5 - Black
North America 999-6947-100
International 999-6947-101

WallVIEW CCU HD-19 CAT-5 - White
North America 999-947-100AW
International 999-6947-101AW

WallVIEW HD-19

The WallVIEW HD-19 uses one Cat. 5 for power and video and one Cat. 5 for RS-232 control.

FEATURES

- 19x Optical Zoom lens, simultaneous component HD (480i/29.97 up to 1080/60p) and SD outputs
- 1/3-Type Exmor CMOS Image Sensor
- 1.3 Megapixels
- Quick-Connect SR Interface
- 100 feet over Cat. 5
- IR forwarding for use with VC Systems
- CONCEAL Wall Mount included



WallVIEW HD-19 - White
North America 999-6945-000AW
International 999-6945-001AW

WallVIEW HD-19 - Black
North America 999-6945-000
International 999-6945-001

WallVIEW HD-19 DVI/HDMI

The WallVIEW HD-19 DVI/HDMI delivers simultaneous analog YPbPr HD video and digital video (DVI-D or HDMI) outputs on separate connectors. This system is ideal for videoconferencing, multiple monitoring and large screen projection applications.

FEATURES

- Component HD (480i/29.97 up to 1080/60p) output
- 1/3-Type Exmor CMOS Image Sensor
- 1.3 Megapixels
- 19x Optical Zoom lens
- Simultaneous Digital (DVI-D or HDMI) and Analog (YPbPr) Video up to 1080/60p
- IR forwarding for use with VC Systems
- Daisy Chain Control Emulation DCCE™
- CONCEAL Wall Mount Included



WallVIEW HD-19 DVI/HDMI - White
North America 999-6946-000AW
International 999-6946-001AW

WallVIEW HD-19 DVI/HDMI - Black
North America 999-6946-000
International 999-6946-001

Vaddio ClearVIEW HD-18 PTZ Camera

The ClearVIEW HD-18 is equipped with a 1/3-inch, 1.3 megapixel CCD imaging sensor, a glass multi-element wide dynamic zoom lens (18x optical), a tally light and a 1.8-lux rating, providing superior images in a wide range of high-definition video applications. High-torque, slip-clutch robotics enhance performance with smooth pan/tilt operation for accurate camera movement and control.

FEATURES

- 1/3-inch CCD Image Sensor
- 18x Optical Zoom lens, Simultaneous Component HD (1080p, 1080i or 720p) and SD outputs
- 1.3 Megapixels
- Includes PowerRite power supply, IR remote and AC cord set
- Slip-clutch robotics
- Control runs via VISCA command protocol or IR remote



Vaddio ClearVIEW HD-18 - Black
 North America 999-6900-000 International 999-6900-001



Vaddio ClearVIEW HD-18 - White
 North America 999-6900-000AW International 999-6900-001AW

WallVIEW CCU HD-18 CAT-5



The Quick-Connect CCU HD-18 CAT-5 enables the adjustment of white balance, color, pedestal, gamma, knee, chroma, detail, iris and gain functions with the turn of a knob on the Quick-Connect CCU. These controls deliver a more accurate representation of the image that is being captured and the ability to color match and shade multiple cameras. User-defined adjustments can be stored on three Scene-Store buttons. The Quick-Connect CCU CAT-5 version delivers high-quality HD video, power and control over three Cat. 5 cables up to 500 feet without loss of video quality or latency. Outputs include analog component YPbPr, HDMI and HD-SDI for extreme flexibility in system design and integration. All outputs are live simultaneously.

FEATURES

- 1/3-type, 1.3 Megapixel CCD Image Sensor
- 18x Optical Zoom lens
- Analog Component YPbPr, HD-SDI and HDMI Outputs - All CCU outputs are live simultaneously
- Red and blue gain, pedestal, gamma, knee, chroma, detail, iris and gain controls
- Run power, video and control up to 500 feet (152.4m) over Cat. 5 cable
- CONCEAL Wall Mount Included

WallVIEW CCU HD-18 CAT-5 - Black
 North America 999-6907-100 International 999-6907-101

WallVIEW CCU HD-18 CAT-5 - White
 North America 999-6907-100AW International 999-6907-101AW

WallVIEW HD-18

The WallVIEW HD-18 uses one Cat. 5 for power and video and one Cat. 5 for RS-232 control.

FEATURES

- 1/3-inch CCD Image Sensor
- 18x lens, Component HD (1080p, 1080i or 720p) output
- 1.3 Megapixels
- Quick-Connect SR up to 100 feet over two Cat. 5 cables
- CONCEAL wall mount bracket and power supply



WallVIEW HD-18 - White
 North America 999-6905-000AW International 999-6905-001AW

WallVIEW HD-18 - Black
 North America 999-6905-000 International 999-6905-001

WallVIEW HD-18 DVI/HDMI

The WallVIEW HD-18 DVI/HDMI delivers simultaneous analog component video (YPbPr) and digital video (DVI-D or HDMI) outputs on separate connectors, ideal for multiple monitoring and large projection systems.

FEATURES

- 1/3-inch CCD Image Sensor, 1.3 Megapixels
- 18x Optical Zoom lens, Simultaneous Component HD and DVI-D or HDMI outputs (up to 1080p)
- Quick-Connect DVI/HDMI up to 100 feet over Cat. 5 cable
- CONCEAL wall mount bracket and power supply
- Daisy Chain Emulation for multiple videoconferencing codec applications



WallVIEW HD-18 DVI/HDMI - White
 North America 999-6906-000AW International 999-6906-001AW

WallVIEW HD-18 DVI/HDMI - Black
 North America 999-6906-000 International 999-6906-001

REVEAL IN-Wall Cameras are Vaddio's first architectural integrated PTZ cameras that allow the camera to blend into high-end videoconference and presentation rooms. The aesthetics of the camera's design matches large flat screen televisions and rear screen projection systems. The camera's back box fits into the stud cavity of a wall, allowing the camera to blend into the wall.

There are two options for the camera – either standard glass, or with frosted glass. The frosted glass turns opaque when the camera is powered off, or through RS-232 command. This ability to mute the camera provides an extra level of confidence to system users who want to know that cameras are turned off.

REVEAL HD-18 comes in two different system options, that all utilize our Quick-Connect Cat. 5 cabling solution.

REVEAL HD-18 Clear Glass



FEATURES

- Transmits power, video and control up to 100 feet over two Cat. 5 cables
- 1/3-inch CCD Image Device
- 18x Optical Zoom lens
- 1.3 Megapixels
- +/- 40 degrees of pan
- +25 degrees of tilt, -45 degrees of tilt
- Glass stays clear even when the camera is powered down

REVEAL HD-18 (Clear Glass)
 North America 999-6926-000
 International 999-6925-001

REVEAL HD-18 DVI/HDMI Clear Glass



FEATURES

- Simultaneous component HD and DVI-D output
- Transmits power, video and control up to 100 feet over two Cat. 5 cables
- 18x Optical Zoom lens
- 720p, 1080i or 1080p output resolution
- IR forwarding from the camera
- Daisy-chain emulation for multiple camera installations
- Glass stays clear even when the camera is powered down

REVEAL HD-18 DVI/HDMI (Clear Glass)
 North America 999-6926-000
 International 999-6926-001

REVEAL CCU Image Controller



The REVEAL CCU Controller can be used with any of the REVEAL IN-Wall Camera Systems. This CCU works in conjunction with the Control I/O of both the Quick-Connect SR and DVI/HDMI Interfaces allowing image control and preset scenes.

REVEAL CCU Image Controller
 North America 999-1105-022

Image adjustments include color, gain, pedestal, gamma, chroma, knee and iris functions on the camera with the turn of a knob. These controls allow the camera to deliver a more accurate representation of the image that is being captured, and color match and shade multiple cameras.

REVEAL™ HD-18 Frosted Glass



Camera is Live

Camera is Off/Muted



FEATURES

- Frosted glass turns opaque and mutes video from camera when powered down
- Transmits power, video and control up to 100 feet over two Cat. 5 cables
- 18x Optical Zoom lens
- 1/3-inch CCD Image Device
- 1.3 Megapixels
- +/- 40 degrees of pan
- +25 degrees of tilt, -45 degrees of tilt

REVEAL HD-18 (Frosted Glass)
 North America 999-6935-000
 International 999-6935-001

REVEAL HD-18 DVI/HDMI Frosted Glass



Camera is Live

Camera is Off/Muted



FEATURES

- Frosted glass turns opaque and mutes video from camera when powered down
- Simultaneous component HD and DVI-D output
- 18x Optical Zoom lens
- Transmits power, video and control up to 100 feet over two Cat. 5 cables
- 720p, 1080i or 1080p output resolution
- IR forwarding from the camera
- Daisy-chain emulation for multiple camera installations

REVEAL HD-18 DVI/HDMI (Frosted Glass)
 North America 999-6936-000
 International 999-6936-001

CeilingVIEW HD-18 DocCAM™

The CeilingVIEW HD-18 DocCAM is a high definition ceiling-mounted document camera system capable of 16:9 resolutions at 1080p, 1080i and 720p, and some RGBHV resolutions. The 18x Optical Zoom lens and 1.3 megapixel 1/3-Type CCD image sensor provide precise color reproduction and edge focus, essential for displaying images on a large-format HD monitor or for transmitting critical images through an HD videoconferencing system.

FEATURES

- 1/3-Type CCD Image Sensor
- 18x Optical Zoom lens
- Component HD (1080p, 1080i or 720p) outputs
- 1.3 Megapixel
- Metal back box enclosure with tile support braces and trim ring
- Includes PowerRite power supply, IR remote and AC cord set



CeilingVIEW HD-18 DocCAM
North America 999-3018-000 International 999-3018-001

CeilingVIEW HD-18 DocCAM DVI/HDMI

The CeilingVIEW HD-18 DocCAM DVI/HDMI is a high definition ceiling-mounted document camera system capable of 16:9 resolutions at 1080p, 1080i and 720p, and some RGBHV resolutions. The 18x Optical Zoom lens and 1.3 megapixel 1/3-Type CCD image sensor provide precise color reproduction and edge focus, essential for displaying images on a large-format HD monitor or for transmitting critical images through an HD videoconferencing system.

The CeilingVIEW HD-18 DocCAM DVI/HDMI delivers simultaneous analog component video (YPbPr) and digital video (DVI-D or HDMI) outputs on separate connectors, up to 100 feet over 2 Cat. 5 cables.

FEATURES

- 1/3-Type CCD Image Sensor
- 18x Optical Zoom lens
- Simultaneous Analog Component HD (YPbPr) and Digital video (DVI/HDMI) outputs
- 1.3 Megapixel
- Metal back box enclosure with tile support braces and trim ring
- Includes PowerRite power supply, IR remote and AC cord set



CeilingVIEW HD-18 DocCAM DVI/HDMI
North America 999-3028-001 International 999-3028-001

Optional CCU Image Controller for CeilingVIEW HD-18 DocCAM Series



The CCU Image Controller enables the adjustment of color, gain, pedestal, gamma, chroma, knee and iris functions on the camera with the turn of a knob. These controls allow the camera to deliver a more accurate representation of the image that is being captured and color match and shade multiple cameras.

FEATURES

- Works in conjunction with Quick-Connect SR or Quick-Connect DVI/HDMI SR Interfaces
- Controls scenes, red and blue gain, detail, chroma, gamma, pedestal, knee, iris and gain
- For North America and International Markets

Optional CeilingVIEW HD-18 DocCAM CCU Image Controller
North America 999-1105-023 International 999-1105-023

CeilingVIEW SD

The CeilingVIEW SD is a standard definition ceiling-mounted document system equipped with a high-resolution 1/4-inch color CCD camera with a 36x Optical Zoom lens. The camera has VISCA camera control capabilities allowing control via codecs and other VISCA-based control systems.

CeilingVIEW SD uses HSDDS, allowing the integrator to run power, video and camera control on Cat. 5 cabling up to 400 feet.

FEATURES

- 1/4-inch Color CCD Image Sensor
- 36x Optical Zoom lens
- Y/C and composite output
- Metal back box enclosure with tile support braces and trim ring
- Laser light locator for document positioning
- Quick-Connect CeilingVIEW HD/SD Interface
- Includes PowerRite power supply, IR remote and EZCamera Control Adapter
- Compatible with Polycom and Cisco IR remotes (zoom)



CeilingVIEW SD
NTSC
999-2008-000

CeilingVIEW SD CCU Image Controller



CeilingVIEW SD CCU enables the adjustment of color, gain and iris functions on the camera with the turn of a knob. User-defined adjustments may be stored using two Scene buttons. Match color-critical documents for those applications where color accuracy is a must.

FEATURES

- Red and blue gain, aperture, iris and gain controls
- Cat. 5 Cabling up to 500 feet

CeilingVIEW SD CCU
North America 999-2009-000

Optional Recessed Installation Kit for CeilingVIEW HD-18 DocCAM

FEATURES

- For mounting CeilingVIEW HD-18 DocCAM in Gypsum Board or Hard Ceilings
- Includes: mounting plates, larger white trim ring and mounting hardware
- For North America and International Markets



Optional Recessed Installation Kit for CeilingVIEW HD-18 DocCAM
999-2225-052

CeilingVIEW HD HideAway for HD-20, HD-19 and HD-18 Cameras

Built for the Vaddio ClearVIEW family of cameras, the CeilingVIEW HD HideAway System provides a quality high definition ceiling-mounted motorized lift solution. Ideal for classrooms, training facilities and boardrooms, the camera is quietly lowered from the ceiling during use and completely hidden while not in use. When retracted back into the ceiling, it fits flush with the attractive ceiling trim ring.

SYSTEM INCLUDES

- CeilingVIEW HideAway Motorized Back Box assembly with ceiling bridge mounting bracket
- CeilingVIEW HideAway power Interface for lift power and control over Cat. 5 cable (up to 100 feet)
- Compatible with any Vaddio WallVIEW or WallVIEW DVI-HDMI camera package. Note: The Vaddio IR remote control is supplied with the Vaddio WallVIEW or WallVIEW DVI-HDMI camera package and will also control the CeilingVIEW HideAway HD System
- Includes an RJ-45/RS-232 adapter for integration with external control systems



CeilingVIEW HD HideAway
 North America 999-2520-000 International 999-2520-001

IN-Ceiling™ Half-Recessed Enclosure HD-20, HD-19 & HD-18

For mounting the ClearVIEW HD-20, HD-19 & HD-18 cameras halfway into a ceiling tile.

FEATURES

- Metal back box and white metal trim ring included
- Active IR circuit in trim ring and enclosure
- Tile support brace included



IN-Ceiling Half-Recessed Enclosure for HD-20, HD-19 and HD-18 PTZ Cameras
 North America 999-2225-050

Recessed Installation Kit for IN-Ceiling Enclosure

Installation Kit used for the IN-Ceiling Half-Recessed Enclosure.

FEATURES

- Designed for recessed drywall or hard ceilings
- Includes: mounting plates, large trim ring with active IR receiver, and mounting hardware



Recessed Installation Kit for IN-Ceiling Enclosure
 North America 998-2225-051

CeilingVIEW 70 PTZ

The CeilingVIEW 70 PTZ is a complete, half-recessed, ceiling-mounted pan/tilt/zoom camera system. The system features a Sony EVI-D70C/W camera mounted into a recessed, metal ceiling camera enclosure back box with ceiling tile support braces and the Vaddio EZCamera Cabling System. The EZCamera Cabling System allows the installer to use Cat. 5 cabling to run power, video and camera control.

SYSTEM INCLUDES

- Sony EVI-D70 Standard Definition PTZ Camera
- 1CCD Image Sensor
- 18x Optical Zoom lens, NTSC/PAL
- EZCamera Cable System for video, power and control over Cat. 5 cabling up to 157 feet
- Metal back box enclosure with tile support braces and trim ring
- Includes PowerRite power supply, IR remote and EZCamera Control Adapter



CeilingVIEW 70 PTZ
 NTSC 999-2304-000 PAL 999-2304-001

Off-Set Drop Down Mount for Vaddio ClearVIEW HD-20, HD-19, HD-18, and HD-USB

Fits ClearVIEW HD-18, HD-19, HD-20 and HD-USB camera systems

- Drywall or suspended ceiling installation
- Heavy gauge steel construction
- Extends approx. 28 inches below ceiling

Off-Set Drop Down Mount for Vaddio ClearVIEW HD-20, HD-19 and HD-18, and HD-USB camera
535-2000-296



IN-Wall™ Enclosure for Vaddio ClearVIEW HD-20, HD-19, HD-18, and HD-USB

The IN-Wall Enclosure for the Vaddio ClearVIEW HD-20, HD-19, HD-18, and HD-USB is designed and sized to fit the entire PTZ camera system including the camera, EZIM and dongle to enable the use of Cat. 5 cabling.



- Fits ClearVIEW HD-18, HD-19, HD-20 and HD-USB camera systems

IN-Wall Enclosure for Vaddio ClearVIEW HD-20, HD-19, HD-18, and HD-USB
999-2225-018

- Reinforced camera platform for rigidity and strength
- Includes metal back box enclosure, camera platform and face frame
- Powder coated white

Model HD-20, HD-19, HD-18, and HD-USB Thin Profile Wall Mount Bracket

Fits ClearVIEW HD-18, HD-19, HD-20 and HD-USB camera systems

- Heavy-gauge steel
- Mounting hardware included
- Mounts to drywall or 2-gang electrical box



Model HD-19 and HD-18 Thin Profile Wall Mount Bracket
535-2000-230 (Black) 535-2000-230W (White)

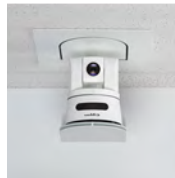
Model HD-20 and HD-USB Thin Profile Wall Mount Bracket
535-2020-230 (Black)

CeilingVIEW HD HideAway for HD-20, HD-19 and HD-18 Cameras

Built for the Vaddio ClearVIEW family of cameras, the CeilingVIEW HD HideAway System provides a quality high definition ceiling-mounted motorized lift solution. Ideal for classrooms, training facilities and boardrooms, the camera is quietly lowered from the ceiling during use and completely hidden while not in use. When retracted back into the ceiling, it fits flush with the attractive ceiling trim ring.

SYSTEM INCLUDES

- CeilingVIEW HideAway Motorized Back Box assembly with ceiling bridge mounting bracket
- CeilingVIEW HideAway power Interface for lift power and control over Cat. 5 cable (up to 100 feet)
- Compatible with any Vaddio WallVIEW or WallVIEW DVI-HDMI camera package. Note: The Vaddio IR remote control is supplied with the Vaddio WallVIEW or WallVIEW DVI-HDMI camera package and will also control the CeilingVIEW HideAway HD System
- Includes an RJ-45/RS-232 adapter for integration with external control systems



CeilingVIEW HD HideAway for HD-20, HD-19 and HD-18 Cameras

North America
999-2520-000

International
999-2520-001

In-Ceiling Half Recessed Enclosure

Fits ClearVIEW HD-18, HD-19, HD-20 and HD-USB camera systems

FEATURES

- Metal back box and white metal trim ring included
- Active IR circuit in trim ring and enclosure
- Tile support brace included

*Camera not included



In-Ceiling Half Recessed Enclosure
North America
999-2225-050

Suspended Ceiling PTZ Camera Mount for a Vaddio ClearVIEW HD-20, HD-19, HD-18, Sony Model 70 or Canon Model 50i*

Fits ClearVIEW HD-18, HD-19, HD-20 and HD-USB camera systems, Sony Model 70 and Canon Model 50i

- Suspended ceiling installation
- Heavy gauge steel construction

Suspended Ceiling PTZ Camera Mount
535-2000-206



Adjustable Extension Wall Bracket for CONCEAL

The adjustable extension wall bracket extends Vaddio's CONCEAL mounting systems further away from the wall above or below a single wall mounted LCD monitor, or in-between two wall mounted LCD monitors.

FEATURES

- Extended wall bracket installation
- Heavy gauge steel construction



Adjustable Extension Wall Bracket for CONCEAL
535-2100-202

SDI Slot Card for Vaddio ClearVIEW HD-20/HD-19/HD-18

The SDI Slot Card is capable of HD-SDI video outputs, which transmits 3Gb/s single link HD-SDI digital video resolutions up to 1080p a a single coax cable.



SDI Slot Card for Vaddio ClearVIEW HD-20/HD-19/HD-18
998-6900-007



HOW TO DESIGN

Operator Controlled Systems



VIEW OUR VIDEO

An operator-controlled system is comprised of PTZ cameras, a video switcher, camera joystick controller and a camera preset recall system. In addition there are typically other video sources, such as document cameras, video playback equipment, computers and many more options for additional sources.

There are many different situations where an operator-controlled system would be a great solution.

- Government, such as a city council chamber or courtroom
- Corporate facilities such as training rooms or auditoriums
- College or university lecture halls
- Houses of worship

STEP 1 Camera Positions

In most applications, there is a presentation area where a person or group will be talking to an audience. In this type of installation, at least one camera should be positioned on the opposite wall of where the presenters will be facing. This camera will allow for zooming in on the presenter that is speaking to the audience.

Having a secondary camera in this same location allows the operator to switch to a wide shot when the other camera is moving from one presenter to another, or as a presenter is moving to a different location within the presentation area.

Another option would be to have three cameras in the room; one centered in the back, with two additional cameras on the left and the right approximately 30 to 45 degrees to allow for a variety of camera angles.

Other camera shots should also be considered, such as a camera for capturing the audience.

Keep in mind the other options available, including specialty cameras such as document or recessed cameras that may be retracted into the ceiling or installed in domes.

STEP 2 Camera Distances

Measure the distance from the camera locations to the main locations the cameras are trying to capture. This distance will allow the user to determine what type of camera will be best suited by using the Vaddio PTZ Image Size Calculator; available on the Vaddio website www.vaddio.com/tech-center

STEP 3 Camera Selection

When selecting the cameras, you will select the type based on the environment they will be used in. The main items to consider would be:

- Determine if the cameras will be used in an image magnification projector application.
- If it is the case, then high definition cameras are better suited in order to achieve a detailed image on the large screen.
- What is the best quality image that the viewer is going to want or need?

For example, if streaming video is the best quality, then standard definition video will probably do the job. However, if there will also be a need for a high resolution archive copy of the same streamed content, then HD cameras will be a better choice.

- Light Availability

If the room is dark and shadowy, a camera with a minimum illumination of 4 lux or less may be required.

- Will you be following the presenter with a joystick or using camera presets?

If you plan for a lot of tighter shots, make sure that the PTZ camera uses servo or micro-stepper motors. If you plan on using presets, PTZ cameras with direct drive motors will be more than sufficient.

- Does the application require a camera operator using a camera mounted on a tripod for following the presenter?

If so, place the robotic cameras at other locations where a camera operator is not needed.

STEP 4 Additional Sources

What other sources will be required as part of the camera control system?

- Computer - PowerPoint, website content
- Video playback DVDs, VCRs
- Stationary cameras such as document camera

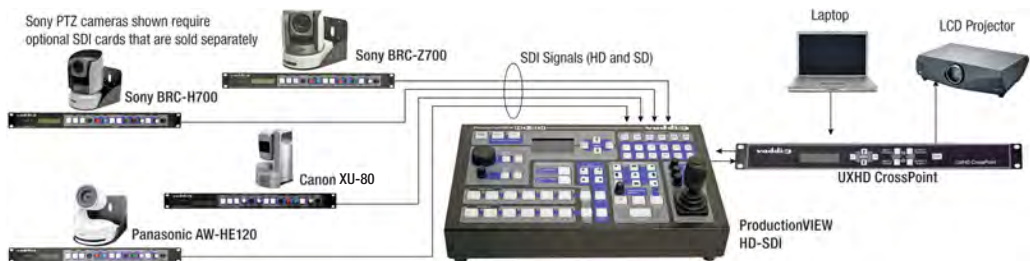
STEP 5 Operator Considerations

When controlling PTZ cameras, you need to determine if the application has a multi-person control room or a one-person control room.

If a single person will be operating the equipment, then a camera controller with an integrated video switcher such as ProductionVIEW HD MV with TeleTouch monitors is a great option.

If there are multiple people operating the equipment in the control room area, then a stand-alone camera controller such as the Precision Camera Controller is the best option.

Operator Controlled System Configuration



ProductionVIEW HD MV/HD-SDI MV, ProductionVIEW HD/HD-SDI and ProductionVIEW FX make up the family of seamless switchers, while ProductionVIEW Super Joystick and ProductionVIEW Precision Camera Controller exclusively handle robotic camera control.

Each ProductionVIEW switcher/mixer console has an internal 6 x 2 seamless matrix video switcher [for Preview and Program]. A 3-Axis Hall Effect Joystick controls up to six PTZ cameras directly (without daisy chaining) through six discrete auto-sensing RS-232 camera control ports. There are 12 presets per camera for storing frequent shots, totaling 72 presets per console. With the addition of input IR sensors, MicVIEW or TouchVIEW, the ProductionVIEW consoles can be programmed to automatically switch between cameras and presets, similar to how the ControlVIEW XHD operates. ProductionVIEW HD MV/HD-SDI MV offers the same functionality as Vaddio's ProductionVIEW HD/HD-SDI, with the addition of multiviewer capabilities and digital inputs/outputs and an optional touch screen.

The ProductionVIEW Super Joystick and Precision Camera Controller use the camera control portion of the ProductionVIEW seamless switchers. Like the switchers, both have discrete, auto-configuring RS-232 control ports for direct control of PTZ cameras – six in Super Joystick, seven in Precision Camera Controller – eliminating the need for daisy chaining. Each camera can also have internally stored camera presets, 12 in Super Joystick, 14 in Precision Camera Controller – and can be adjusted individually for the operating environment with auto/manual focus, auto/manual brightness, backlight compensation and one push automatic white balance. There is also provision for external control with built-in RS-232 commands.

The Precision Camera Controller integrates CCU image control functionality into the system allowing users to control red and blue gain, detail and iris with adjustable gain. Designed to control up to seven PTZ cameras, two Precision Camera Controllers can also be linked together to allow the user to control up to 14 cameras from either controller.

ProductionVIEW™ Series of Camera Consoles

ProductionVIEW HD MV

Camera Control Console with HD, DVI-D, RGBHV and SD video switching, transitions, built-in multiviewer, lower screen graphics and automated control functionality.



ProductionVIEW HD MV

North America
999-5625-000

International
999-5625-001

ProductionVIEW HD-SDI MV

Camera Control Console with HD-SDI, SD-SDI and DVI-I video switching, with the addition of multiviewer capability and digital inputs/outputs.



ProductionVIEW HD-SDI MV

North America
999-5625-000

International
999-5625-001

ProductionVIEW HD

Camera Control Console with HD, RGBHV and SD video mixing, transitions, lower screen graphics and automated control functionality.



ProductionVIEW HD

North America
999-5600-000

International
999-5600-001

ProductionVIEW HD-SDI

Camera Control Console with HD-SDI and SD-SDI video switching, video mixing and automated control functionality.



ProductionVIEW HD-SDI

North America
999-5650-000

International
999-5650-001

ProductionVIEW FX

Camera Control Console with standard definition matrix video switching, camera preset control and joystick camera control functionality.



ProductionVIEW FX

North America
999-5200-000

International
999-5200-001

Precision Camera Controller

Broadcast-quality joystick controller designed for smooth and accurate pan, tilt and zoom control, as well as CCU image control functionality.



ProductionVIEW Precision Camera Controller

North America
999-5700-000

International
999-5700-001

ProductionVIEW Super Joystick

Joystick controller with six individual RS-232 camera control ports for accurate pan, tilt and zoom control.



ProductionVIEW Super Joystick

North America
999-5300-000

International
999-5300-001

ProductionVIEW HD MV

ProductionVIEW HD MV is a camera control console with multiviewer capabilities, digital inputs/outputs, HD, RGBHV and SD video mixing, transitions, lower screen graphics and automated control functionality. Combined with the new TeleTouch Multiviewer Touchscreens, you can easily switch all live feeds and create up to 12 "video thumbnails" of preset shots by simply touching the monitor. The "video thumbnails" provide an easy way to identify and recall preset camera positions on a per-input basis in the preview window.

The 6 x 2 multi-format, seamless video mixer provides two discrete outputs for dual bus program feeds (two independent 6 x 1 mixers). Input signals include analog HD YPbPr video, RGBHV, SD (Y/C and CVBS), and Input 6 provides a DVI-I input for RGBHV, DVI-D and HDMI. The Program and Preview outputs have both analog (YPbPr, RGBHV, Y/C & CVBS) and digital (DVI-D & HDMI) outputs. HD resolutions up to 1080/60p are supported.

FEATURES

- Inputs include analog HD YPbPr video, RGBHV, SD (Y/C and CVBS), and Input 6 provides a DVI-I input for RGBHV, DVI-D and HDMI
- The Program and Preview outputs have both analog (YPbPr, RGBHV, Y/C & CVBS) and digital (DVI-D & HDMI) outputs
- All inputs auto-recognize video input resolution
- HD resolutions up to 1080/60p are supported
- Seamless integration with optional TeleTouch multiviewer touch screen
- Up to 12 preset "video thumbnails" per PTZ camera
- Transitions include cross fade, nine wipes, cut and fade to black
- Lower Screen Graphics feature for inserting graphics over video
- 3-Axis Hall-Effect Joystick
- Knobs for adjusting focus, iris, transition speed and pan/tilt/zoom built into the console



ProductionVIEW HD MV Rear Panel

ProductionVIEW HD MV

North America
999-5625-000

International
999-5625-001

ProductionVIEW HD Component Cables

3 ft. Cable - DE-15 to 5 Male BNCs (YPbPr or RGBHV signals)

ProductionVIEW HD Component Cable - 3 ft.
440-5600-001

6 ft. Cable - DE-15 to 5 Male BNCs (YPbPr or RGBHV signals)

ProductionVIEW HD Component Cable - 6 ft.
440-5600-002

7 in. Cable - DE-15 to 5 Female BNCs (YPbPr or RGBHV signals)

ProductionVIEW HD Component Cable - 7 in.
440-5600-003

ProductionVIEW HD Y/C & Composite Cable

1 ft. Cable DE-15 to 3 Female BNCs (Y/C and Composite)

ProductionVIEW HD Y/C & Composite Cable - 1 ft.
440-5600-000

Optional 18.5" or 22" Teletouch

The TeleTouch Multiviewer Touchscreen Monitors allow you to easily see and switch all live video feeds and create "video thumbnails" with finger-touch control. The multiviewer can be configured to display up to six input windows and two larger "Preview" and "Program" windows with red and green tally window borders. The Preview output is configurable for analog and digital outputs and allows for either a standard preview output or the multiviewer output. In addition, each camera input can have up to 12 stored "video thumbnail" preset camera shots. The TeleTouch Touchscreen Monitors are available in two sizes: 18.5-inch rack-mount or a standard 22-inch with base.



TeleTouch 22" with 6 Inputs

**For more information on the TeleTouch Monitors please see page 26

DVI Male to HDMI Male HDTV Digital Video Cable

Connects any HDTV set-top boxes, DTV, DVD, switch or splitter with HDMI to DVI, or vice versa. Supports uncompressed video and has double shielding for maximum video performance, prevents screen signal loss and screen ghosting. RoHS Certified.

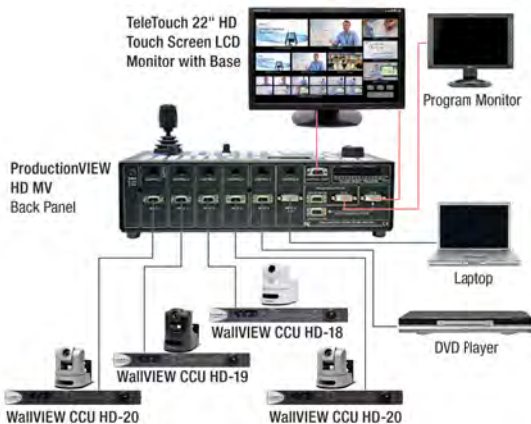
3.3 ft. Cable

HDTV Digital Video Cable - 3.3 ft.
440-5643-001

10 ft. Cable

HDTV Digital Video Cable - 10 ft.
440-5643-003

ProductionVIEW HD MV System Configuration



ProductionVIEW HD-SDI MV

The ProductionVIEW HD-SDI MV is an all-in-one camera control console with HD-SDI/SDI video switching/mixing, a built-in multiviewer, lower screen graphics and automated control functionality. Combined with the new TeleTouch HD Touch Screen Monitor options, you can easily switch all live feeds and create up to 12 "video thumbnails" of preset PTZ camera shots by simply touching the TeleTouch screen. The "video thumbnails" provide an easy way to identify and recall preset camera positions on a per-input basis in the preview window.

Input signals include HD-SDI, SD-SDI on five of the inputs, while the sixth input is an analog/digital input that will accept a variety of video resolutions. The Program and Preview outputs have both HD-SDI/SDI and HDMI outputs with HD resolutions up to 1080p/60 supported.

FEATURES

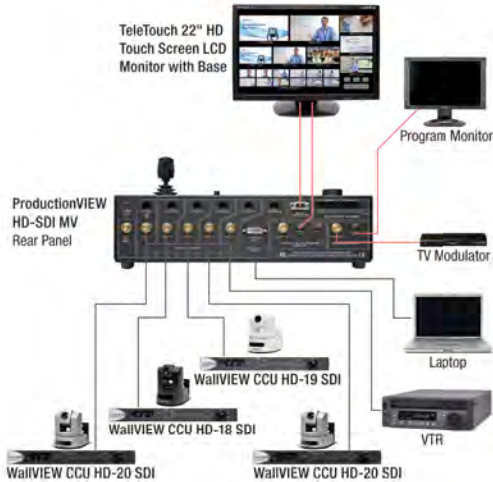
- Multiviewer output, eliminates the need for individual monitors for each video input
- All inputs can accept digital signals, with 5 capable of accepting HD-SDI/SDI video and the sixth having the ability to accept RGBHV, YPbPr or DVI-D
- All inputs auto-recognize video input resolution
- The Program and Preview outputs have both HDMI and HD-SDI/SDI outputs
- HD resolutions up to 1080p/60 are supported (3 Gb/s single link)
- Touch screen switching of video sources with the addition of our optional TeleTouch HD touch screen monitors
- Up to 12 preset "video thumbnails" per PTZ camera
- Transitions include cross fade, cut, nine wipe patterns and fade to black
- Lower Screen Graphics feature for inserting graphics over video
- 3-Axis Hall-Effect Joystick
- Knobs for adjusting focus, iris, transition speed and pan/tilt/zoom, built into the console



ProductionVIEW HD-SDI MV Rear Panel

ProductionVIEW HD-SDI MV
 North America 999-5655-000
 International 999-5655-001

ProductionVIEW HD-SDI MV System Configuration



ProductionVIEW HD-SDI MV for Lecture Capture



Optional 18.5" or 22" TeleTouch

The TeleTouch Multiviewer Touchscreen Monitors allow you to easily see and switch all live video feeds and create "video thumbnails" with finger-touch control. The multiviewer can be configured to display up to six input windows and two larger "Preview" and "Program" windows with red and green tally window borders. The Preview output is configurable for analog and digital outputs and allows for either a standard preview output or the multiviewer output. In addition, each camera input can have up to 12 stored "video thumbnail" preset camera shots. The TeleTouch Touchscreen Monitors are available in two sizes: 18.5-inch rack-mount or a standard 22-inch with base.

**For more information on the TeleTouch Monitors please see page 26



TeleTouch 18.5" with 5 Inputs

ProductionVIEW HD

The ProductionVIEW HD multi-camera control system is designed to handle the most demanding live broadcast or staging events, yet it's simple enough to allow a novice to shoot like a pro. ProductionVIEW HD integrates PTZ camera control and multi-format HD/SD live switching with real-time graphics and effects into one easy-to-use control console.

The carefully designed surface gives system users real-time knobs and buttons to control functions. Because ProductionVIEW HD is a live broadcast console, not a computer, the entire system produces only one frame of delay — a critical requirement where image magnification is used.

FEATURES

- Six HD/SD Inputs can be scaled or converted from 480i (SD) to 1080p (HD) and a variety of analog RGBHV resolutions
- Transitions include cross fade, nine wipes, cut, fade to black (FTB)
- 3-Axis Hall-Effect Joystick
- 12 camera presets
- Lower Screen Graphics feature for inserting graphics over video
- Knobs for adjusting focus, iris, transition speed and pan/tilt/zoom built into the console
- Trigger inputs for camera switching
- Discrete pan, tilt and zoom speed knobs.



ProductionVIEW HD
 North America
 999-5600-000
 International
 999-5600-001

ProductionVIEW HD Component Cables

3 ft. Cable - DE-15 to 5 Male BNCs (YPbPr or RGBHV signals)

ProductionVIEW HD Component Cable - 3 ft.
 440-5600-001

6 ft. Cable - DE-15 to 5 Male BNCs (YPbPr or RGBHV signals)

ProductionVIEW HD Component Cable - 6 ft.
 440-5600-002

7 in. Cable - DE-15 to 5 Female BNCs (YPbPr or RGBHV signals)

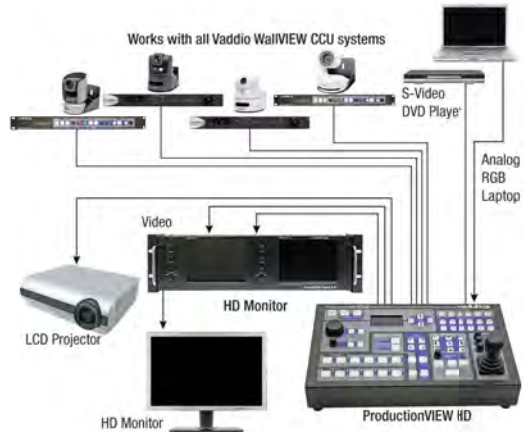
ProductionVIEW HD Component Cable - 7 in.
 440-5600-003

ProductionVIEW HD Y/C & Composite Cable

1 ft. Cable DE-15 to 3 Female BNCs (Y/C and Composite)

ProductionVIEW HD Y/C & Composite Cable - 1 ft.
 440-5600-000

ProductionVIEW HD System Configuration



Insert graphics onto your video through our unique LSG function. A variety of sizes and transparency levels are available through buttons on the console. (see more examples on next page)



Lower Screen Graphic Sample



Lower Screen Graphic Sample

ProductionVIEW HD-SDI

The ProductionVIEW HD-SDI is a multi-camera control system with an integrated 6 x 2 HD-SDI/SDI seamless video switcher. Because the majority of robotic PTZ cameras currently available on the market offer HD-SDI or SD-SDI cards, the ProductionVIEW HD-SDI is designed to connect easily via a single coax cable for video. ProductionVIEW HD-SDI includes the 3 Gb/s HD-SDI standard (SMPTE 424M) for 1080p video, as well as SMPTE 292M (HD-SDI at 720p or 1080i) and SMPTE 259M (SD-SDI).

FEATURES

- Accepts any combination of input signals from HD-SDI and SDI video sources (HD-SDI at 1080p, 1080i and 720p; SD-SDI)
- Transitions include cross fade, nine wipes, cut, fade to black (FTB)
- 3-Axis Hall-Effect Joystick
- 12 camera presets
- Lower Screen Graphics feature for inserting graphics over video
- Knobs for adjusting focus, iris, transition speed and pan/tilt/zoom built into the console



ProductionVIEW HD-SDI
 North America 999-5650-000
 International 999-5650-001

House of Worship System Configuration



Insert graphics onto your video through our unique LSG function. A variety of sizes and transparency levels are available through buttons on the console. (see more examples on previous page)



Lower Screen Graphic Sample



Lower Screen Graphic Sample

ProductionVIEW FX

The ProductionVIEW FX standard definition camera control system incorporates 6 x 2 matrix video switching, camera preset control and joystick control functionality into one easy-to-use console.

ProductionVIEW FX delivers user-selectable, frame-synchronized transitions that are completely seamless, professional and without compromise in quality. Among the included transitions are straight cuts, fades (in and out), cross fades (one image fading into another) and wipes (up, down and side to side). The user can select the transition and the transition time, up to four seconds, to automatically activate as the inputs are switched on the main and preview buses.

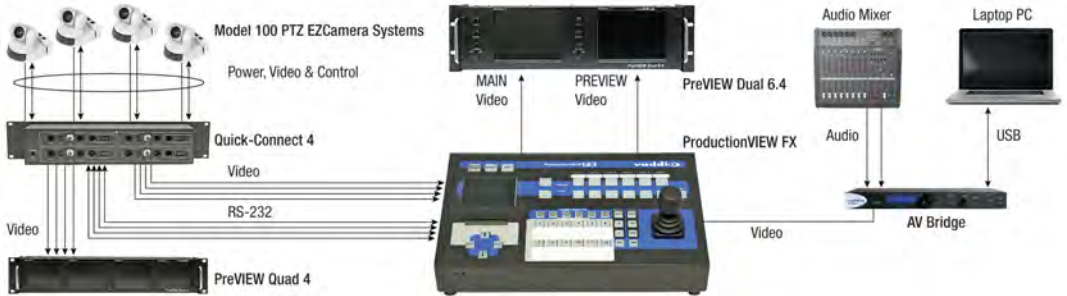
FEATURES

- Six discrete auto-sensing camera control ports
- Transitions include fades, cross fades and wipes (5)
- 3-Axis Hall-Effect Joystick
- 12 camera presets per camera
- Master RS-232 port for external control systems
- Trigger inputs for camera switching

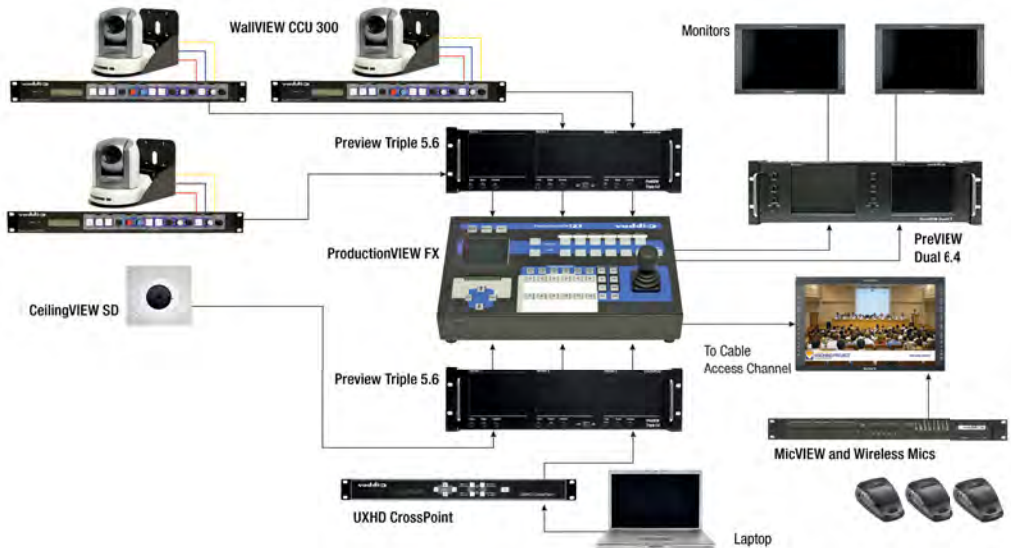


ProductionVIEW FX
NTSC 999-5200-000 PAL 999-5200-001

ProductionVIEW FX System Configuration



City Council Chambers System Configuration



ProductionVIEW Precision Camera Controller

The Precision Camera Controller includes a broadcast-quality joystick designed for smooth and accurate pan, tilt and zoom control, as well as CCU image control functionality for controlling up to seven PTZ cameras. By integrating CCU control into the system, users can control red and blue gain, detail, and iris with adjustable gain with any Vaddio PTZ camera. One-push white balance (OPWB), auto white balance (AWB) and auto iris are also available to those who desire a more automated image control system. The CCU control surface gives system users real-time knobs and buttons to control each of these functions.

Designed to control up to seven PTZ cameras, the Precision Camera Controller can be used as a stand-alone device or in conjunction with a variety of video switchers or mixers on the market today. In addition, two Precision Camera Controllers can be linked together to allow the user to control all cameras from either controller.

FEATURES

- Red and blue gain, detail, iris with adjustable gain controls
- One-push white balance (OPWB), auto white balance (AWB) and auto iris
- Large focus wheel for fast, accurate manual focus
- 3-Axis Hall-Effect Joystick
- Seven discrete auto-sensing RS-232 camera control ports
- External control capability (RS-232 and Tally)
- Link port for linking to second Precision Camera Controller up to 500 feet away on a single Cat. 5 cable



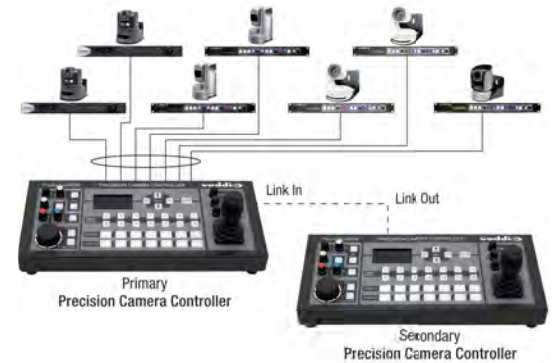
ProductionVIEW Precision Camera Controller
 North America 999-5700-000
 International 999-5700-001

Precision Camera Control External Switcher Support Configuration

Single Precision Camera Controller RS-232 Out to External Switcher



Precision Camera Control LINK Support Configuration



Precision Camera Control Dual LINK Support Configuration



ProductionVIEW Super Joystick

The ProductionVIEW Super Joystick is a unique integration joystick with six discrete, auto-configuring RS-232C camera control ports for direct control of PTZ cameras, eliminating the need for daisy chain control cabling.

Each camera can have up to 12 internally stored camera presets effectively removing the internal preset limitations of the camera. The six cameras can also be adjusted individually for the operating environment with adjustments for auto/manual focus, auto/manual brightness, backlight compensation and one-push automatic white balance.

The ProductionVIEW Super Joystick has two rows of six external control switches that can be used to trigger outputs and control external video switchers with contact closures or tally lights for studio applications. Super Joystick also has a 4-inch LCD preview monitor built-in.

FEATURES

- Six discrete auto-sensing RS-232C camera control ports
- 12 camera presets per camera
- External control capability (Triggers and Tally)
- Master RS-232 port for external control systems



ProductionVIEW Super Joystick
 North America 999-5300-000
 International 999-5300-001

Vaddio/Sony Joystick Control Bundle

The Sony Remote Control Joystick can control all camera settings including the pan/tilt/zoom functions and six preset patterns. The bundle includes the Sony RM-BR300 Joystick and all the custom cables that easily interface with the Vaddio EZCamera Cabling System.

FEATURES

- Custom 20-foot VISCA cable
- Custom 20-foot video switcher cable



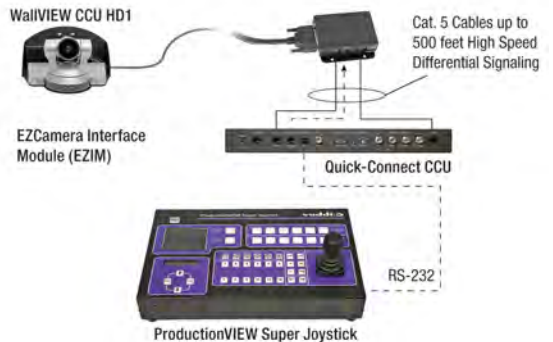
Vaddio/Sony Joystick Control Bundle
 NTSC 999-6605-000
 PAL 999-6605-001

ProductionVIEW Super Joystick Controller with HD Switcher Configuration



Basic System Configuration

WallVIEW CCU HD1 System and ProductionVIEW Super Joystick Controller



ProductionVIEW Rack Enclosure

The ProductionVIEW Rack Enclosure is a dual-bay rack mounting system with an 8-RU upper bay and a 5-RU lower bay. The lower rack bay fits large HD switchers/mixers, including the ProductionVIEW console suite of products, while the upper rack bay fits a variety of rack mount equipment up to 18 inches deep.

Made of heavy gauge aluminum, the back panel has wire tie slots and holes for mounting the enclosure to a tabletop. The black powder coat finish is durable and long lasting.

FEATURES

- 8-RU Upper bay
- 5-RU Lower bay
- Heavy-duty aluminum construction
- Attractive black powder coat finish
- Holes for mounting multiple enclosures to each other

**Drawer not included



ProductionVIEW Rack Enclosure
998-5000-200

ProductionVIEW Rack Console

The ProductionVIEW Rack Console is a dual-bay, slant-top rack mounting system with an 8-RU upper bay and a 7-RU lower bay. The lower rack bay fits the ProductionVIEW line of consoles, while the upper rack bay fits a variety of rack mount equipment up to 14 inches deep.

FEATURES

- 8-RU Upper bay
- 7-RU Lower bay
- Heavy-duty aluminum construction
- Attractive black powder coat finish



ProductionVIEW Rack Console
998-5000-100

ProductionVIEW Rack Enclosure Drawer



The ProductionVIEW Rack Enclosure Drawer includes a sliding shelf and controller mounting bracket kit for ProductionVIEW FX, HD, HD-SDI, HD MV or HD-SDI MV consoles to be easily stored. This accessory can also be used with other third-party rack systems.

FEATURES

- Locking slide-out drawer
- Mounting hardware for ProductionVIEW series switchers/controllers*

* ProductionVIEW HD not included

ProductionVIEW Rack Enclosure Drawer
998-5000-210

Precision Camera Controller Rack Drawer

The ProductionVIEW Precision Camera Controller Rack Drawer includes a sliding shelf and controller mounting bracket kit for a ProductionVIEW Precision Camera Controller to be easily stored. This accessory can also be used with other third-party rack systems.



FEATURES

- Locking slide-out drawer
- Mounting hardware for Precision Camera Controller*

* Precision Camera Controller not included

Precision Camera Controller Rack Drawer
998-5000-211

ProductionVIEW Rack Mount Ears

6-RU Rack Mount Ears attach to the sides of any ProductionVIEW (not including Precision Camera Controller) for mounting into system racks or ProductionVIEW Rack Consoles.



ProductionVIEW Rack Mount Ears
998-5000-001

Precision Camera Controller Rack Mount Ears

4-RU Rack Mount Ears attach to the sides of the ProductionVIEW Precision Camera Controller for mounting into system racks of ProductionVIEW Rack Consoles.



Precision Camera Controller Rack Mount Ears
998-5000-002

Quick-Connect Air VGA

The Quick-Connect Air VGA delivers 640 x 480, 800 x 600, 1024 x 768 or 1280 x 1024 RGBHV resolutions, without the need for cabling between the computer and HDMI input of the hardware it is connected to. Utilizing the WHDI standard, video and audio are transmitted on the license-free 5.1 to 5.9 GHz frequency band at distances up to 100 feet. With latency at less than 1 millisecond there is no visible delay in the transmission.

KEY FEATURES

- Compact VGA Transmitter – USB Powered
- HDMI Receiver Output
- Resolutions supported: VGA (640 x 480), SVGA (800 x 600), XGA (1024 x 768) and SXGA (1280 x 1024)
- Less than 1 millisecond delay
- Coverage up to 100 feet



Quick-Connect Air VGA
North America 999-1220-000 International 999-1220-001

Quick-Connect Air HDMI

The Quick-Connect Air HDMI eliminates the need for cabling between a laptop, DVD Player or other devices with an HDMI output. Utilizing the WHDI standard, video and audio are transmitted on the license-free 5.1 to 5.9 GHz frequency band at distances up to 100 feet. With latency at less than 1 millisecond there is no visible delay in the transmission.

FEATURES

- HDMI Transmitter
- HDMI receiver output
- Works with a variety of video devices, computers, DVD players, video appliances that have an HDMI output
- Less than 1 millisecond of delay
- Coverage up to 100 feet
- Resolutions supported: 1080i, 720p, 576p, 480p, VGA, SVGA

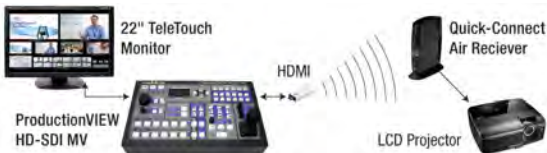


Quick-Connect Air HDMI
North America 999-1210-000 International 999-1210-001

Quick-Connect Air VGA



Quick-Connect Air Wireless HDMI



YPbPr to DVI-D/HDMI PRO Format Converter



The YPbPr to DVI-D/HDMI PRO Format Converter changes analog component video to a DVI-D/HDMI video output. The converter works with ProductionVIEW HD, AutoPresenter, ControlVIEW XHD, CeilingVIEW HD or any other analog HD video source. Whether the output signal is 480i, 576i, 720p, 1080i or 1080p, video can be converted to a digital signal to work with a variety of third-party devices, such as videoconference codecs and multi-format switchers.

FEATURES

- Converts analog component (SD or HD) to DVI-D
- Capable of signals up to and including 1080p/60Hz
- Using an adapter, change the output to HDMI
- Compact, 1 RU, 1/3 width size
- Rack mountable, with accessory plate

YPbPr to DVI-D/HDMI PRO - Format Converter
North America 999-5643-000 International 999-5643-001

UXHD CrossPoint



The UXHD CrossPoint is a dual input, dual output video format converter and scaler for HD-SDI and analog video signals (HD component (720p/1080i/1080p), SD composite and S-Video, and RGBHV up to 1920 x 1200).

UXHD CrossPoint allows users to easily integrate analog video and SDI signals into Vaddio's ProductionVIEW HD-SDI camera controller/switcher, and can also be used as a stand-alone video converter. The master control port runs via RS-232 and easily connects to third-party control systems (AMX, Crestron, etc.) for complete access to the internal functions of the UXHD CrossPoint. In addition, a Reference input for Genlock is available for synchronizing the HD-SDI output to an external switcher.

FEATURES

- Converts analog video to HD-SDI/SDI and converts HD-SDI/SDI to analog video
- Video signals include HD component (720p/1080i/1080p), SD composite and S-Video, and RGBHV up to 1920 x 1200
- Master RS-232 control port allows connection to third-party control systems
- A Reference input for Genlock is available for synchronizing the SDI output to an external switcher
- Can be used as a format converter with a loop-thru output

UXHD CrossPoint
North America 999-5690-000 International 999-5690-001

DVI Male to HDMI Male HDTV Digital Video Cable

Connects any HDTV set-top boxes, DTV, DVD, switch or splitter with HDMI to DVI, or vice versa. Supports uncompressed video and has double shielding for maximum video performance, prevents screen signal loss and screen ghosting. RoHS Certified.

3.3 ft. Cable

HDTV Digital Video Cable - 3.3 ft.
440-5643-001

10 ft. Cable

HDTV Digital Video Cable - 10 ft.
440-5643-003

TeleTouch™ 18.5" HD Touch Screen Rack Mount LCD Monitor

The TeleTouch 18.5" HD Touch Screen Rack Mount LCD Monitor works in conjunction with the ProductionVIEW HD MV and HD-SDI MV with built-in multiviewer. The touchscreen allows all presets and camera positions to be displayed and activated by touching the image itself. The multiviewer can be configured to display up to six input windows and two larger "Preview" and "Program" windows with red and green tally window borders. In addition, each camera input can have up to 12 stored "video thumbnail" preset camera shots.



TeleTouch 18.5" HD Touch Screen Rack Mount LCD Monitor
999-5520-185

FEATURES

- 1080p/60 and 1080p/50 input resolutions
- 18.5-inch diagonal resistive touch screen surface
- Integrated Rack Mount Enclosure
- DVI and RS-232 cables included
- Worldwide power cord set included (North America, Euro and UK)

TeleTouch 22" HD Touch Screen LCD Monitor with Base

The TeleTouch 22" Touch Screen LCD Monitor with base works in conjunction with the ProductionVIEW HD MV and HD-SDI MV with built-in multiviewer. The touchscreen allows all presets and camera positions to be displayed and activated by touching the image itself. The multiviewer can be configured to display up to six input windows and two larger "Preview" and "Program" windows with red and green tally window borders. In addition, each camera input can have up to 12 stored "video thumbnail" preset camera shots.



TeleTouch 22" HD Touch Screen LCD Monitor with Base
999-5520-022

FEATURES

- 1080p/60 and 1080p/50 input resolutions
- 22-inch diagonal resistive touch screen surface
- DVI and RS-232 cables included
- Worldwide power cord set included (North America, Euro & UK)

Optional Screen Layouts - Displays 4, 5 and 6 inputs



PreVIEW Dual 6.4 LCD Rack Mount Monitor



The Vaddio PreVIEW Dual 6.4 features two 6.4-inch (16.26cm) standard definition active matrix LCD monitors for exceptional video clarity and color handling. The PreVIEW Dual 6.4 comes equipped with two 960 x 234 resolution LCDs for previewing details and has brightness, contrast and color controls for fine-tuning the video display.

FEATURES

- Active matrix 960 x 234 LCD screens
- Two inputs with active looping outputs on BNCs
- Color, contrast, brightness and On/Off controls per LCD
- 3-RU Rack enclosure with tilt mechanism

PreVIEW Dual 6.4 LCD Rack Mount Monitor
North America
999-5500-002

PreVIEW Triple 5.6 LCD Rack Mount Monitor



The Vaddio PreVIEW Triple 5.6 features three 5.6-inch (14.22cm) standard definition active matrix LCD monitors for exceptional video clarity and color handling. The PreVIEW Triple 5.6 comes equipped with three 480 x 234 resolution LCDs for previewing details and has brightness, contrast and color controls for fine-tuning the three video displays.

FEATURES

- Active matrix 480 x 234 LCD screens
- Three inputs with active looping outputs on BNCs
- Color, contrast and brightness controls per LCD
- 3-RU Rack enclosure with tilt mechanism

PreVIEW Triple 5.6 LCD Rack Mount Monitor
North America
999-5500-003

PreVIEW Quad 4 LCD Rack Mount Monitor



The Vaddio PreVIEW Quad 4 features four 4-inch (10.16cm) standard definition active matrix LCD monitors for exceptional video clarity and color handling. The PreVIEW Quad 4 is a simple and straightforward four LCD rack mount monitor without controls for previewing general shots and areas where extreme detail is not needed.

FEATURES

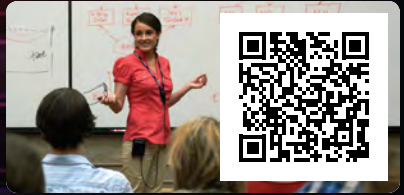
- Active matrix 480 x 234 LCD screens
- Four inputs with active looping outputs on BNCs
- 2-RU Rack enclosure with tilt mechanism

PreVIEW Quad 4 LCD Rack Mount Monitor
North America
999-5500-004



HOW TO DESIGN

Camera Tracking Systems



VIEW OUR VIDEO

STEP

1

Certification

In order to sell a Vaddio camera tracking system you must complete the 1.5 hour online course to learn what is expected in designing a Camera Tracking System. For programming and installation, there is a two-day course that is required on-site at Vaddio headquarters in MN. InfoComm RU credits for CTS holders are offered. Registration is available on the Vaddio website www.vaddio.com/certification_register.php?id=1

STEP

2

Consult with the Customer

It is important to meet with the customer on-site to determine their expectations and needs. You need to clearly understand:

- Be aware of window and door locations, identify any sources of ambient light
- Define all room dimensions, height, width and length
- Note all existing and future presentation tools to be used in the room – examples being: whiteboards, podiums, computers, audio systems, etc.
- Measure and create a simple room drawing or reference the existing room plans
- Define the various types of presentations to be given in the room
- Define the various styles of presenters using the room
- Discuss the experience levels of the presenters
- Define how students and audience members will be included
- Coordinate with the builders and architects involved

STEP

3

Tracking Area Characteristics

There are many things to consider when installing the AutoTrak 2.0 System. We need to identify a few things that may interrupt the proper operation of this system. Be aware of these critical items:

- Identify width and depth of presenter area being tracked
- Note items that could interfere or block the camera image: projectors, posts, light fixtures, HVAC ducts
- Identify any possible sources of Infrared (IR) interference in the tracking area: motion detectors, sunlight
- Measure and note a location in the center back of the room to mount the tracking system cameras. Max distance is 40 feet [12m] from the cameras to the presenter.

*Reminder

The AutoTrak 2.0 IR Reference Camera tracks the IR lanyard and belt pack worn by the presenter only. IR from the lanyard must be in open view of the IR Reference Camera at all times.

STEP

4

Choosing a Tracking Camera

With the AutoTrak 2.0 System there are two options available for the Tracking camera that you can choose from: the ClearVIEW HD-20 or ClearVIEW HD-18. The HD-20 has better motion handling, offers true native HD or HDMI outputs - no SD, more broadcast quality and should be used in a lighting area equivalent to an office environment or better.

The HD-18 is more cost-effective, offers simultaneous HD and SD outputs for use in videoconferencing and streaming applications.

STEP

5

Wireless Audio Interface

AutoTrak 2.0 IR lanyard has a built-in microphone device that you have the option to use. Main features include:

- Only one belt pack needed for both tracking and audio
- Rechargeable belt pack with lithium-ion battery
- Uses Spread Spectrum 2.4 GHz Adaptive Frequency Hopping
- Provides USB port for connection to PC to provide audio for soft clients

STEP

6

AutoTrak POD

AutoTrak 2.0 also offers preset control in addition to camera tracking with the AutoTrak POD. This gives you the ability to select:

- Up to three tracking camera presets
- Rescan button for fast reacquisition if the lanyard loses the presenter

Camera Tracking System Configuration



AutoTrak 2.0 is an IR lanyard-based camera tracking system designed to provide a smooth and accurate panning motion that follows the instructor as they walk around the presentation area of a classroom. AutoTrak 2.0 is Vaddio's revolutionary automated camera tracking system designed for educational and corporate training facilities.

The instructor wears a lanyard belt pack that emits infrared light received by an IR PTZ camera. Video is then sent from the IR PTZ camera to the Tracking Camera. The result is a smooth, accurate panning motion that follows the instructor as they walk around the presentation area of the classroom. AutoTrak 2.0 eliminates the need for a staff person to operate a camera in a classroom to follow the instructor as they conduct class.

Both the IR camera and the tracking camera are based on Vaddio's single-chip CCD ClearVIEW HD-18 high definition PTZ camera. The system can deliver both standard definition and high definition video from the tracking camera. The video output can then be fed into a variety of products, including streaming devices, lecture capture systems or videoconferencing codecs.

Simply slip the lanyard around your neck and the system begins to track, freeing teachers to do what they do best: teach.

**** All Vaddio tracking camera systems must be programmed by either a Vaddio Certified Installing Technician, or Vaddio Factory Technician. (See 999-PROG-000)**

**** Integrators MUST complete the Online Certification Tutorial to submit a PD, specify and design Vaddio Tracking Systems.**

****For more information on Camera Tracking Certification, visit our website at www.vaddio.com**

AutoTrak 2.0 with HD-18 Camera

The instructor wears an IR lanyard belt pack that emits infrared light received by an IR PTZ camera. Video is then sent from the IR PTZ camera to the Tracking Camera. In addition to moving from side-to-side (SmoothTrak), the AutoTilt motion follows the instructor as they move closer or further away from the camera. You will be centrally framed no matter where you stand. The AutoTrak POD allows the presenter to quickly switch between three tracking camera presets. An additional "Rescan" button on the AutoTrak POD instantly activates IR lanyard reacquisition.

Paired with Vaddio's HD-18 HD PTZ camera option, the AutoTrak 2.0 system comes equipped with a 1/3", 1.3 megapixel CCD imaging sensor, glass multi-element wide dynamic zoom lens (18x optical), a tally light and a 1.8-lux rating. And AutoTrak 2.0 even features a rechargeable belt back with a lithium-ion battery for extended hours of operation.

FEATURES

- AutoTilt tracks the presenter as they move closer to or further away from the camera
- SmoothTrak pans in a smooth left-and-right motion
- ClearVIEW HD-18 camera provides a 1/3", 1.3 megapixel CCD imaging sensor, glass multi-element wide dynamic zoom lens (18x optical), a tally light and a 1.8-lux rating
- AutoTrak POD allows presenter to select up to three tracking camera preset
- Automatic / Manual White Balance
- Rechargeable lithium-Ion battery for extended hours of operation
- Optional EasyTALK Wireless Audio Interface



AutoTrak 2.0 with HD-18 Camera
North America 999-7250-000 International 999-7250-001

AutoTrak 2.0 with HD-20 Camera

The instructor wears an IR lanyard belt pack that emits infrared light received by an IR PTZ camera. Video is then sent from the IR PTZ camera to the Tracking Camera. In addition to moving from side-to-side (SmoothTrak), the AutoTilt motion follows the instructor as they move closer or further away from the camera. You will be centrally framed no matter where you stand. The AutoTrakPOD allows the presenter to quickly switch between three tracking camera presets. An additional "Rescan" button on the AutoTrakPOD instantly activates IR lanyard reacquisition.

Paired with Vaddio's HD-20 HD PTZ camera option, the AutoTrak™ 2.0 system provides true native HD in a single chip and 20x optical zoom, along with truer, richer color than ever before. And AutoTrak 2.0 even features a rechargeable belt back with a lithium-ion battery for extended hours of operation.

FEATURES

- AutoTilt tracks the presenter as they move closer to or further away from the camera
- SmoothTrak pans in a smooth left-and-right motion
- ClearVIEW HD-20 camera provides true native HD in a single chip and 20x optical zoom
- AutoTrak POD allows presenter to select up to three tracking camera presets
- Automatic / Manual White Balance
- Rechargeable lithium-Ion battery for extended hours of operation
- Optional EasyTALK Wireless Audio Interface



AutoTrak 2.0 with HD-20 Camera
North America 999-7260-000 International 999-7260-001

AutoTrak 2.0 EasyTALK Wireless Audio Interface



The AutoTrak 2.0 Wireless Audio Interface is designed to incorporate the instructor's audio into our tracking system. Featuring a high-quality unidirectional microphone element built into the IR Lanyard, AutoTrak 2.0 eliminates the need for a separate wireless microphone system. And the 2.4GHz full frequency spectrum audio offers interference-free operation and wide-band sound quality, even in the presence of other conventional channel-mapped wireless systems.

KEY FEATURES

- Simultaneous balanced (+4dBu) and unbalanced (-10dBu) outputs
- USB 2.0 compatible audio peripheral device - emulates a speaker to the PC
- Full-band wireless microphone incorporated into AutoTrak 2.0 Lanyard
- 2.4 GHz FHSS Radio Link up to 100 feet line of sight
- Uses license-free ISM band for worldwide operation
- DSP functions for audio conditioning

AutoTrak 2.0 EasyTALK Wireless Audio Interface
999-7230-000

Expanded Room System Design



Basic Room System Design





HOW TO DESIGN

Presenter Controlled Systems



VIEW OUR VIDEO

A properly designed presentation system enhances the presenters' ability to connect with their students and attendees.

STEP 1

Consult with the customer

In order to properly design and implement a presenter controlled system, it is critically important to meet with the customer on-site to determine their expectations and needs. Main things you need to understand during the consultation:

- Be aware of window and door locations, identify any sources of ambient light
- Define all room dimensions, height, width and length
- Note all existing and future presentation tools to be used in the room – examples being: whiteboards, podiums, computers, audio systems, etc.
- Measure and create a simple room drawing or reference the existing room plans
- Define the various types of presentations to be given in the room
- Define the various styles of presenters using the room
- Define how students and audience members will be included
- Coordinate with the builders and architects involved

STEP 2

Review Design Parameters

- Presentation Content Sources
 - What presentation content sources will be used and where?
 - PCs
 - Video Sources
 - Document Cameras
 - Whiteboards
 - Presentation Workstations
- What types of Workstations will be used and in what locations?
 - Podiums
 - Desks
 - Whiteboards
 - Triggers
- Which triggers will be utilized for switching sources at different workstations?
 - PresenterPOD
 - StepVIEW Mat
 - AutoVIEW IR Sensor
 - TouchVIEW Buttons
 - MicVIEW
- Presentation Cameras
 - What types of cameras will be needed and where?
 - List location or locations of presenter cameras
 - Will there be audience interaction?
 - Will the presentation area be large enough to place cameras on the sides of the room for a wider range position?
 - Is Camera Tracking needed?
 - How will you be utilizing camera-preset positions?
- Picture-in-Picture Display

Determine if it is necessary to keep the presenter visible on camera at all times, even when switching through different sources.

- Microphones

Do the students or audience members want to be seen and heard during the presentation?

- Classroom Video Display

Determine the types and sizes of classroom video displays for the room. You may also want to consider a Confidence Display Monitor for the presenters to see themselves and know what the far end is seeing during a videoconferencing call, distance learning or lecture capture application.

STEP 3

Select the switcher

A Presenter Controlled System needs a brain to run all the switching and connect all the sources together. Vaddio has two different products that allow for this control: the AutoPresenter and the ControlVIEW XHD.

Presenter Controlled System Configuration



Vaddio's AutoPresenter is designed to make it easier to present and create content in the classroom by combining the automation of people and content in one easy-to-use technology.

AutoPresenter™



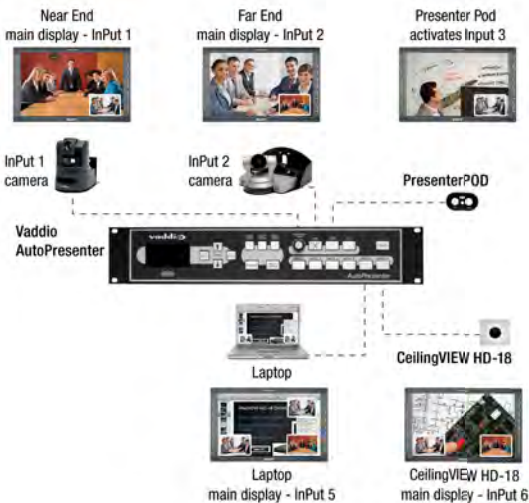
The AutoPresenter can switch up to six video inputs in analog component HD (720p/1080i/1080p), RGBHV (up to 1920 x 1200) and SD video (NTSC and PAL). Individual video transitions including fades, wipes and dissolves can be programmed as required, while each video input can be up/down converted to create a common aspect ratio and resolution. An additional output converter will convert YPbPr component video to a DVI/HDMI digital output for integrating with Cisco and Polycom codecs. The AutoPresenter allows the presenter to automate up to 72 predetermined presets for any type of content (video, document camera, whiteboard, PC, etc.). The PIP option allows any of these types of content to be shown at five different screen positions, in three different sizes within each preset and can be controlled with a PresenterPOD.

AutoPresenter
 North America 999-5675-000
 International 999-5675-001

FEATURES

- Controls up to six cameras and stores 72 camera presets internally
- Six-port automatic video switcher
- Transitions include cut, cross fade or a variety of wipes from .01 to 4.0 seconds
- Connects to Vaddio Precision Camera Controller via Link Ports
- Master RS-232 Control Port
- Compatible with Vaddio, Panasonic, Sony and Canon robotic PTZ cameras
- PIP can be arranged in five different positions, in three different sizes

AutoPresenter Configuration



ControlVIEW™ XHD PTZ Camera Control System



ControlVIEW XHD is a presenter-controlled seamless switcher with built-in camera preset triggers. It can be used in a variety of applications such as live event production, videoconferencing, distance education and many others.

ControlVIEW XHD PTZ Camera Control System
 North America 999-5672-000
 International

ControlVIEW XHD is an automatic camera control system designed to control up to six PTZ cameras (or other video sources) and assign up to 72 total camera preset positions. The ControlVIEW XHD 6 x 1 switcher accepts analog SD, HD and RGBHV signals on all inputs, and can up/downscale these signals to dual program outputs at either an SD, HD or RGBHV resolution.

The system works with a variety of PTZ cameras in the Vaddio line. Input trigger accessories that work with ControlVIEW XHD include Vaddio PresenterPOD, TouchVIEW RF buttons, StepVIEW Mats, AutoVIEW IR Sensors and MicVIEW, as well as other third-party contact closure devices. Simply program a trigger device, such as a StepVIEW Mat, to a preset camera pan/tilt/zoom position. When an instructor walks onto the StepVIEW Mat, ControlVIEW XHD moves the camera to the programmed camera position, and then switches to that camera.

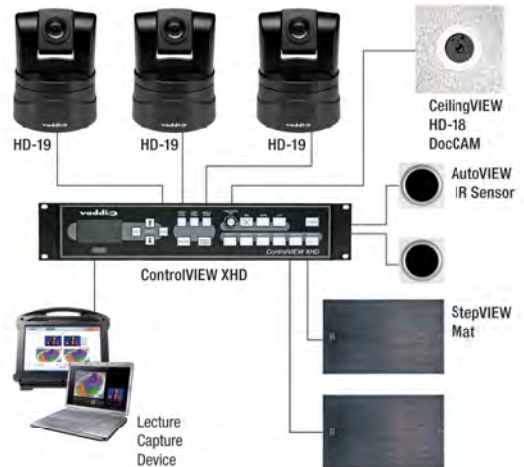
ControlVIEW XHD can also be connected directly to a Precision Camera Controller for a low-cost HD switcher/camera controller package.

FEATURES

- Controls up to six cameras and stores 72 camera presets internally
- Six-port automatic or manual video switcher
- Transitions include cut, cross fade or a variety of wipes
- Connects to Vaddio Precision Camera Controller via Link Ports
- Master RS-232 Control Port

Compatible with Vaddio, Panasonic, Sony and Canon robotic PTZ cameras

ControlVIEW XHD Configuration



Triggers for Preset Controllers work with any of Vaddio's Presenter Controlled Systems including AutoPresenter, ControlVIEW XHD and AutoTrak 2.0.

PresenterPOD

The PresenterPOD is the perfect complement to the Vaddio AutoPresenter and ControlVIEW XHD video switcher/automated camera control systems. The PresenterPOD has two large buttons located on the POD to offer flexible control over the automated content and other necessary content sources. A third, small square button is available for PIP on/off adjustments if picture-in-picture (PIP) is stored within any of the presets activated when used in conjunction with the AutoPresenter, which features PIP function.

The PresenterPOD connects via a single Cat. 5 cable to the Presenter POD Interface for power and data. The interface can be programmed for either latching or momentary triggers.

FEATURES

- All four buttons can be programmed for either momentary or latching type triggers
- The PresenterPOD Interface can support up to two PODs
- Each kit contains one PresenterPOD and one Interface - additional PODs are sold separately
- Adhesive labels and mounting hardware for POD included



PresenterPOD
North America 999-1111-000 International 999-1111-001



PresenterPOD Interface



PresenterPOD Interface (Rear)



Additional PresenterPOD
999-1111-002

Rack Panel PresenterPOD Interface

This optional rack panel is compatible with the PresenterPOD Interface. The Rack Panel is drilled out to hold up to two PresenterPOD Interfaces on a 1-RU panel. It fits into a standard 19-inch rack mount enclosure.



Rack Panel PresenterPOD Interface
998-6000-003

TouchVIEW™ Wireless Remote Control System for AutoPresenter, ControlVIEW XHD and ProductionVIEW

Includes four TouchVIEW RF remote control transmitter buttons and one TouchVIEW Receiver

FEATURES

- Four RF remote control button transmitters with 62 unique program frequencies
- One RF receiver, capable of receiving four remote control buttons
- Expandable to 12 wireless remote controls by using three receivers



TouchVIEW
North America 999-1201-000 International 999-1201-001

Camera Tracking System Programming

Camera Tracking System Programming includes a single day of on-site programming and training of camera tracking systems by certified Vaddio technical staff.

NOTE: Travel expenses additional

Camera Tracking System Programming
999-PROG-000

MicVIEW™ 12 Input Teleconference Microphone Switcher/Mixer



Vaddio's MicVIEW is an automated 12-input microphone switcher/mixer designed to integrate with Vaddio's Automated Content Presentation Systems.

MicVIEW
North America 999-0001-000 International 999-0001-001

FEATURES

- 12 Trigger/Logic outputs for use with ControlVIEW XHD and ProductionVIEW systems
- Link up to eight mixers for 96 channels
- Designed for use with 3-wire Unidirectional Boundary Microphone

Unidirectional Boundary Microphone

Audio-Technica® AT U891R Boundary Microphone for MicVIEW

FEATURES

- Red LED indicates when mic is on
- Assignable switch for operation (touch on/off/mom)
- 25 foot (7.6m) detachable cable; TA3F to XLR-M type



Unidirectional Boundary Microphone
701-0001-891

6 – Channel Microphone Extension Snake for MicVIEW

FEATURES

- Six XLR-F snake box to six shielded pair wires
- Snake length: 25 feet (7.6m)



Microphone Extension Snake
999-3000-006

AutoVIEW™ IR Sensor

The AutoVIEW IR Sensor, a single ceiling-mounted IR sensor for use with the AutoVIEW IR System, allows the use of up to eight additional AutoVIEW IR sensors per system.



FEATURES

- Active IR sensor and acrylic lens cover
- AutoVIEW IR Interface Controller and PowerRite™ power supply
- One 3 foot (.9m) Cat. 5 patch cable

AutoVIEW IR Sensor
North America 999-1701-100 International 999-1701-101

StepVIEW™ Mat – Small Exposed

The StepVIEW presence sensing mats come in a rubberized, non-slip exposed auto locator mat for permanent installation. All trigger mats are durable, attractive and come in two different sizes for flexibility of mat positioning.



Presence-Sensing Automatic Locator Mat
44 inches (1.12m) x 27.5 inches (70cm)

StepVIEW Mat – Small Exposed
999-1501-000

StepVIEW Mat – Large Exposed

The StepVIEW presence sensing mats come in a rubberized, non-slip exposed auto locator mat for permanent installations. All trigger mats are durable, attractive and come in two different sizes for flexibility of mat positioning.



Presence-Sensing Automatic Locator Mat
57 inches (1.45m) x 27.5 inches (70cm)

StepVIEW Mat – Large Exposed
999-1502-000

Panasonic HE120 PTZ Camera

The AW-HE120 HD PTZ Camera features a 20x zoom lens and a three (3), 1/3-type 2.2 megapixel CMOS imager sensors. The AW-HE120 has the ability to be controlled over IP or RS-422. It has HD/SD-SDI, HDMI and Analog video outputs with concurrent SD output available. The compact AW-HE120 produces excellent video in a wide range of shooting conditions.

FEATURES

- 3-1/3 type, 2.2 Megapixel CMOS Image Sensors
- Fast 20x Optical Motorized Zoom Lens
- HD/SD-SDI, HDMI and Analog Component Outputs
- Concurrent SD Composite Output
- IP and RS-422 Control
- Allows 100 preset memories per camera
- Available in Black or White



Panasonic HE120 - Black
 North America 999-6120-000K International 999-6120-001K

Panasonic HE120 - White
 North America 999-6120-000W International 999-6120-001W

Panasonic HE50H PTZ Camera

The Panasonic AW-HE50H features a 1/3-type CMOS image sensor with an 18x Optical Zoom lens with 10x digital magnification available after that. The compact and lightweight design saves on space and power consumption. Control can be achieved over IP or RS-422. The IR remote control is optional.

FEATURES

- HDMI Output
- 1/3-type CMOS Image Sensor
- Switchable between 1080i/59.94/50 and 720p/59.94/50
- 18x Optical Motorized Zoom Lens, 10x Digital Zoom
- IP and RS-422 Control, IR remote Control is Optional
- SD and YPbPr video are available with Optional AW-CA20T6G Cable



Panasonic HE50H
 North America 999-6150-000H International 999-6150-001H

WallVIEW CCU HE120

The WallVIEW CCU HE120 is built around the Panasonic AW-HE120 high definition pan/tilt/zoom camera, with a 20x zoom lens and three 2.2 megapixel CMOS imagers supporting full HD Video capture. Because the WallVIEW CCU HE120 operates on 12 Volt DC, it easily integrates into projects where no AC outlet is required at the camera location.



WallVIEW CCU HE120 enables the adjustment of color, gain, pedestal, gamma chroma, detail and iris functions on the camera with the turn of a knob.

FEATURES

- Panasonic AW-HE120 High Definition PTZ camera and remote with CCU and EZIM CCU
- 20x Optical Zoom Lens
- Red and blue gain, detail, chroma, gamma, pedestal, iris and gain controls
- Video, power and control run over Cat. 5 cabling up to 500 feet
- Heavy-duty black wall mount bracket and power supply
- Camera available in black or white

WallVIEW CCU HE120 - Black
 North America 999-6127-000K International 999-6127-001K

WallVIEW CCU HE120 - White
 North America 999-6127-000W International 999-6127-001W

WallVIEW CCU HE50H

The WallVIEW CCU HE50H is built around the Panasonic AW HE50H high definition pan/tilt/zoom camera, with 1/3-type CMOS image sensor and an 18x Optical Zoom lens.



WallVIEW CCU HE50H enables the adjustment of color, gain, pedestal, gamma and iris functions on the camera with the turn of a knob.



WallVIEW CCU HE50H
 North America 999-6157-000H International 999-6157-001H

FEATURES

- 1/3-type CMOS Image Sensor
- Switchable between 1080i/59.94/50 and 720p/59.94/50
- 18x Optical Motorized Zoom Lens, 10x Digital Zoom
- Red and blue gain, detail, chroma, gamma, pedestal iris and gain controls
- Video, power and control run over Cat. 5 cabling up to 500 feet
- Thin Profile wall mount bracket and power supply

WallVIEW PRO HE120

The WallVIEW PRO HE120 is built around the Panasonic AW-HE120 high definition pan/tilt/zoom camera, with a 20x Optical Zoom lens. Because the WallVIEW PRO HE120 operates on 12 Volt DC, it easily integrates into projects where no AC outlet is required at the camera location.



HSDS is used with the WallVIEW PRO HE120 to deliver high quality HD video over standard Cat. 5 cabling. Adjustments allow the video to be extended up to 500 feet from the Quick-Connect PRO with virtually no loss in video quality or additional latency.



FEATURES

- Panasonic AW-HE120 High Definition PTZ camera and remote with Quick-Connect PRO and EZIM
- 20x Optical Zoom lens
- PRO series EZCamera Cabling System for running video power, and control over Cat. 5 cabling up to 500 feet
- Heavy-duty wall mount bracket and PowerRite power supply
- Also available in black

WallVIEW PRO HE120 - Black
 North America 999-6125-000K International 999-6125-001K

WallVIEW PRO HE120 - White
 North America 999-6125-000W International 999-6125-001W

WallVIEW PRO HE50H

The WallVIEW PRO HE50H is built around the Panasonic HE50H high definition pan/tilt/zoom camera, with 1/3-type CMOS image sensor and a 10x digital zoom lens. HSDS is used with the WallVIEW PRO HE50H to deliver high quality HD video over standard Cat. 5 cabling. Adjustments allow the video to be extended up to 500 feet from the Quick-Connect PRO and virtually no loss in video quality or additional latency.



FEATURES

- 1/3-type CMOS Image Sensor
- Switchable between 1080i/59.94/50 and 720p/59.94/50
- 18x Optical Motorized Zoom Lens, 10x Digital Zoom
- PRO series EZCamera Cabling System for running video, power, and control over Cat. 5 cabling up to 500 feet
- Thin profile wall mount bracket and PowerRite power supply

WallVIEW PRO HE50H
 North America 999-6155-000H International 999-6155-001H

Canon XU-80 PTZ Camera

The Canon XU-80 is an indoor or outdoor single-CMOS camera system, featuring a dustproof and waterproof design which, when combined with its compact size, makes it ideal for: weather POV, Traffic POV, indoor event broadcasting, house of worship, education and video conference.

FEATURES

- 1/3-inch CMOS imaging sensor with 2.1 Megapixels
- Canon 20x HD zoom lens ratio
- HD-SDI Output
- Powered by 12V DC and provides Genlock input



Canon XU-80
North America
999-4180-000
International
999-4180-001

Canon XU-80W PTZ Camera

The Canon XU-80W is an indoor and outdoor single-CMOS camera system, featuring a high waterproof dustproof design which, when combined with its compact size, makes it ideal for: outdoor event broadcasting, weather POV, Traffic POV, house of worship, education and video conference.

FEATURES

- 1/3-inch CMOS imaging sensor with 2.1 Megapixels
- Canon 20x HD zoom lens ratio
- HD-SDI Output
- Powered by 12V DC and provides Genlock input
- Waterproof and Dustproof design featuring an IP55 enclosure rating
- Wiper for permanent outdoor installations



Canon XU-80W PTZ Camera
North America
999-4180-000W
International
999-4180-001W

Canon BU – 46H[®] PTZ Camera

The Canon BU-46H weatherproof remote control robotic pan-tilt HD 16:9 camera features a Canon HD camera equipped with three 1/3-inch (1.67 million-pixel) CCDs, a Genuine Canon HD zoom lens with 20x optical zoom ratio (4.5 - 90mm), and a remote-control ND (neutral density) filter.

Outputs include HD-SDI or SD-SDI with embedded audio (using a third-party microphone) and standard-definition composite NTSC. The BU-46H remote-control robotic pan-tilt HD camera can output HD-SDI and composite video simultaneously for high-definition recording and standard-definition monitoring at the same time.

The Canon BU-46H can be controlled by Vaddio's Precision Camera Controller and ProductionVIEW HD-SDI with the included adapters.

FEATURES

- 1/3-inch HD 3-CCD Image Device
- Canon HD lens with 20x optical zoom ratio (4.5 - 90mm)
- Outputs include HD-SDI or SD-SDI with embedded audio or standard-definition composite video (simultaneous HD-SDI and SD composite video)
- Powered by 12V DC and provides Genlock input
- Capable of panning 340 degrees and tilting 80 degrees (30 degrees up, 50 down)
- The outdoor pan-tilt head and weatherproof housing is designed for operation from -15 to +40 degrees Celsius (+5 to +104 degrees Fahrenheit)
- Auto Focus function and Canon's Image Stabilizer technology
- Can be controlled by Vaddio Precision Camera Controller and ProductionVIEW HD-SDI, adapters included



Canon BU-46H
North America
999-4146-000
International
999-4146-001

Canon XU Series CCU Image Controller



The CCU Image Controller for the Canon XU-80 and XU-80W PTZ cameras allows you to control the color and shading of the XU-Series camera's video output. Equipped with Control IN and OUT, the CCU Image Controller can be run in-line with Vaddio's ProductionVIEW HD-SDI or the Precision Camera Controller.

Canon XU Series CCU Image Controller
999-4185-000

The CCU Image Controller enables the adjustment of color, red/blue gain, pedestal, gamma, chroma, AWB shift, white balance and iris functions on the camera with the turn of a knob. These controls allow the camera to deliver a more accurate representation of the image that is being captured, adjustment for day/night modes and the ability to color match and shade multiple cameras.

FEATURES

- Enhancer, iris, exposure, red/blue gain, gamma, AWB shift, white balance and shutter functions
- Control over Cat. 5 up to 500 feet

Canon BU Series CCU Image Controller



The CCU Image Controller for the Canon BU-Series of PTZ cameras allows you to control the color and shading of the BU-Series camera's video output. Equipped with Control IN and OUT, the CCU Image Controller can be run in-line with Vaddio's ProductionVIEW HD-SDI or the Precision Camera Controller.

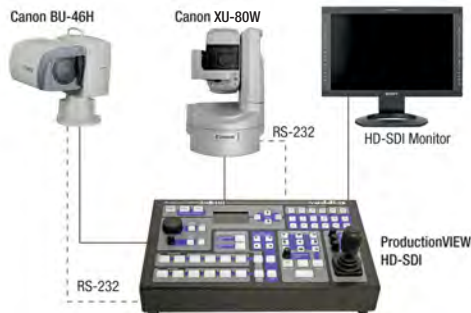
Canon BU-Series CCU Image Controller
North America
999-4190-000
International
999-4190-001

The CCU Image Controller enables the adjustment of color, gain, pedestal, gamma, chroma, knee and iris functions on the camera with the turn of a knob. These controls allow the camera to deliver a more accurate representation of the image that is being captured and color match and shade multiple cameras.

FEATURES

- Color, gain, pedestal, gamma, chroma, knee and iris functions
- Control over Cat. 5 up to 500 feet

Canon PTZ Cameras with ProductionVIEW HD-SDI



Sony BRC - H900 PTZ Camera

The Sony BRC-H900 HD PTZ camera delivers exceptionally high picture quality to meet demanding live production requirements. It uses three, 1/2-type Exmor CMOS image sensors each with 2.07M megapixels each, and a 14x Optical Zoom lens to capture vivid and accurate HD images. The BRC-H900 has multiple outputs including HD-SDI, SD-SDI, YPbPr component video, S-Video and Composite video.

FEATURES

- 14x Optical Zoom lens
- HD/SD-SDI, YPbPr, Y/C and Composite video outputs
- 1/2-type Exmor 3-CMOS Image Sensors with 2.07 megapixels each
- 1080i and 720p (switchable)
- Invertible for ceiling mounting
- Wide-angle of View: 59.6 degrees
- Card Slot available for optional slot cards
- Supports simultaneous HD and SD outputs



Sony BRC-H900
North America 999-6890-000 International 999-6890-001

Sony BRC – H700 PTZ Camera

The Sony BRC-H700 combines a high picture quality HD 3-CCD camera with pan/tilt/zoom mechanism, wrapped in a sleek, compact body. The BRC-H700 supports analog RGB, YPbPr output as standard and is also equipped with a slot for optional cards.

FEATURES

- 3-CCD Image Device
- 12x lens, 1080i/59.94, 1080/50i (switchable)
- 1.07 Megapixels
- Includes PowerRite power supply, IR remote and AC cord set



Sony BRC-H700
North America 999-6700-000 International 999-6700-001

WallVIEW CCU H900

The WallVIEW CCU H900 is built around the Sony BRC-H900 high definition pan/tilt/zoom camera with three 1/2-type Exmor CMOS image sensors and a 14x Optical Zoom lens. WallVIEW CCU H900 enables the adjustment of color, gain and iris functions on the camera with the turn of a knob.



FEATURES

- Sony BRC-H900 High Definition PTZ Camera
- 1/2-type Exmor 3-CMOS Image Sensors with 2.07 megapixels each
- 14x Optical Zoom lens, 1080i and 720p (switchable)
- Red and blue gain, detail, color and hue gain, WB shift, iris and gain controls
- Video, power and control run over Cat. 5 cabling up to 500 feet
- Heavy-duty black wall mount bracket and power supply

WallVIEW CCU H900
North America 999-6897-000 International 999-6897-001

WallVIEW CCU H700

The WallVIEW CCU H700 is built around the Sony BRC-H700 high definition pan/tilt/zoom camera, with 3-CCDs and a 12x Optical Zoom lens. WallVIEW CCU H700 enables the adjustment of color, gain and iris functions on the camera with the turn of a knob.



FEATURES

- Sony BRC-H700 High Definition PTZ Camera
- 3-CCD Image Device
- 12x lens, 1080i/59.94, 1080/50i (switchable)
- Red and blue gain, detail, color and hue gain, WB shift, iris and gain controls
- Video, power and control run over Cat. 5 cabling up to 500 feet
- Heavy-duty wall mount bracket and power supply

WallVIEW CCU H700
North America 999-6707-000 International 999-6707-001

WallVIEW PRO H900

The WallVIEW PRO H900 is built around the Sony BRC-H900 high definition pan/tilt/zoom camera with three 1/2-type Exmor CMOS image sensors and a 14x Optical Zoom lens.

HSDS is used with the WallVIEW PRO H900 to deliver high quality HD video over standard Cat. 5 cabling. Adjustments allow the video to be extended up to 500 feet from the Quick-Connect PRO with virtually no loss in video quality or additional latency.



FEATURES

- 1/2-type Exmor 3-CMOS Image Sensors with 2.07 megapixels each
- 14x Optical Zoom lens, 1080i and 720p (switchable)
- PRO series EZCamera Cabling System for running video, power, ir and control over Cat. 5 cabling up to 500 feet
- Heavy-duty wall mount bracket and PowerRite power supply

WallVIEW PRO H900
North America 999-6895-000 International 999-6895-001

WallVIEW PRO H700

The WallVIEW PRO H700 is built around the Sony BRC-H700 high definition pan/tilt/zoom camera, with 3-CCDs and a 12x Optical Zoom lens.

HSDS is used with the WallVIEW PRO H700 to deliver high quality HD video over standard Cat. 5 cabling. Adjustments allow the video to be extended up to 500 feet from the Quick-Connect PRO with virtually no loss in video quality or additional latency.



FEATURES

- 3-CCD Image Device
- 12x lens, 1080i/59.94, 1080/50 (switchable)
- PRO series EZCamera Cabling System for running video, power, IR and control over Cat. 5 cabling up to 500 feet
- Heavy-duty wall mount bracket and PowerRite power supply

WallVIEW PRO H700
North America 999-6704-000 International 999-6704-001

Sony BRC – Z700 PTZ Camera

The BRC-Z700 combines a high picture quality HD 3-CMOS camera with pan/tilt/zoom mechanism, wrapped in a sleek, compact body. Like its other family members, the BRC-300 and the BRC-H700, the BRC-Z700 can also be ceiling mounted. The BRC-Z700 supports simultaneous outputs of analog HD YPbPr output as well as Y/C and composite in Standard Definition (SD).

FEATURES

- 3-CMOS Image Device
- 20x lens, 1080i/59.94i, 1080/50i (switchable) with simultaneous SD output
- 1.12 Megapixels
- Includes PowerRite power supply, IR remote and AC cord set



Sony BRC-Z700
North America 999-6800-000 International 999-6800-001

Sony BRC – Z330 PTZ Camera

The BRC-Z330 employs a 1/3-type ClearVid CMOS image sensor, an 18x Optical Zoom lens and is both HD and SD capable. The BRC-Z330 simultaneously delivers HD images (1080i or 720p) and SD images.

FEATURES

- Sony BRC-Z330 High definition PTZ Camera
- 1/3-inch CMOS Image Device
- 18x lens, 1080i or 720p (switchable) with simultaneous SD output
- Includes PowerRite power supply, IR remote and AC cord set



Sony BRC-Z330
North America 999-6850-000 International 999-6850-001

WallVIEW CCU Z700

The WallVIEW CCU Z700 is built around the Sony BRC-Z700 high definition pan/tilt/zoom camera, with 3-CMOS megapixel sensors and a 20x Optical Zoom lens. WallVIEW CCU Z700 enables the adjustment of color, gain and iris functions on the camera.

FEATURES

- Sony BRC-Z700 High definition PTZ Camera
- 3-CMOS Image Device
- 20x lens, 1080i/59.94i, 1080/50i (switchable) with simultaneous SD output



- Red and blue gain, detail, red, green and blue enhance, iris and gain controls
- Video, power and control run over Cat. 5 cabling up to 500 feet
- Heavy-duty wall mount bracket and power supply

WallVIEW CCU Z700
North America 999-6807-000 International 999-6807-001

WallVIEW CCU Z330

The WallVIEW CCU Z330 is built around the Sony BRC-Z330 high definition pan/tilt/zoom camera, with a 1/3-inch CMOS megapixel sensor and an 18x Optical Zoom lens. Adjustments allow the video to be extended up to 500 feet from the Quick-Connect CCU with virtually no loss in video quality or additional latency.



FEATURES

- Sony BRC-Z330 High definition PTZ Camera
- 1/3-inch CMOS Image Device
- 18x lens, 1080i or 720p (switchable) with simultaneous SD output
- Red and blue gain, detail, red, green and blue enhance, iris and gain controls
- Video, power and control over Cat. 5 cabling up to 500 feet
- Heavy-duty wall mount bracket and power supply

WallVIEW CCU Z330
North America 999-6857-000 International 999-6857-001

WallVIEW PRO Z700

The WallVIEW PRO Z700 is built around the Sony BRC-Z700 high definition pan/tilt/zoom camera, with 3-CMOS megapixel sensors and a 20x Optical Zoom lens.

HSDS is used with the WallVIEW PRO Z700 to deliver high quality HD video over standard Cat. 5 cabling. Adjustments allow the video to be extended up to 500 feet from the Quick-Connect PRO with virtually no loss in video quality or additional latency.



FEATURES

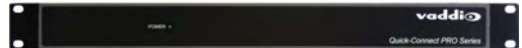
- Sony BRC-Z700 High definition PTZ Camera
- 3-CMOS Image Device
- 20x lens, 1080i/59.94i, 1080/50i (switchable) with simultaneous SD output
- PRO series EZCamera Cabling System for running video, power, IR and control over Cat. 5 cabling up to 500 feet
- Heavy-duty wall mount bracket and PowerRite power supply

WallVIEW PRO Z700
North America 999-6805-000 International 999-6805-001

WallVIEW PRO Z330

The WallVIEW PRO Z330 is built around the Sony BRC-Z330 high definition pan/tilt/zoom camera, with a 1/3-inch CMOS megapixel sensor and an 18x Optical Zoom lens.

HSDS is used with the WallVIEW PRO Z330 to deliver high quality HD video over standard Cat. 5 cabling. Adjustments allow the video to be extended up to 500 feet from the Quick-Connect PRO with virtually no loss in video quality or additional latency.



FEATURES

- Sony BRC-Z330 High definition PTZ Camera
- 1/3-inch CMOS Image Device
- 18x lens, 1080i or 720p (switchable) with simultaneous SD output
- PRO series EZCamera Cabling System for running video, power, IR and control over Cat. 5 cabling up to 500 feet
- Heavy-duty wall mount bracket and power supply

WallVIEW PRO Z330
North America 999-6855-000 International 999-6855-001

Sony EVI – HD1 PTZ Camera

The EVI-HD1 camera combines a high-quality HD color video camera with the flexibility of remote pan/tilt/zoom operation. With 14 formats to choose from (including eight HD types and six SD video formats), smooth, high-speed pan/tilt operation, 16 x 9 aspect ratio images and a built-in 10x optical zoom/wide angle lens, the EVI-HD1 is ideal for small to medium size conference rooms.

FEATURES

- 1/3-type, 2-Megapixel CMOS Image Sensor
- Wide Angle 10x Optical Zoom lens (4x Digital - 40x Total Zoom)
- 1080i and 720p HD Resolutions, 480i and 576i SD Resolutions
- Includes IR remote control, power supply and AC cord set



Sony EVI-HD1
North America 999-6300-000 International 999-6300-001

WallVIEW CCU HD1

The WallVIEW CCU HD1 is built around the Sony EVI-HD1 high definition pan/tilt/zoom camera, with a 2 megapixel CMOS sensor and a 10x Optical Zoom lens. WallVIEW CCU HD1 enables the adjustment of color, gain and iris functions on the camera with the turn of a knob.



WallVIEW CCU HD1
North America 999-6307-000 International 999-6307-001

FEATURES

- Sony EVI-HD1 High Definition PTZ Camera
- CMOS Image Device
- 10x lens, 1080i/720p/480i/576i (switchable)
- Red and blue gain, aperture, iris and gain controls
- Video, power and control over Cat. 5 cabling up to 500 feet
- Heavy-duty wall mount bracket and power supply

WallVIEW PRO HD1

The WallVIEW PRO HD1 is built around the Sony EVI-HD1 high definition pan/tilt/zoom camera, with a 2 megapixel CMOS sensor and a 10x Optical Zoom lens.

HSDS is used with the WallVIEW PRO HD1 to deliver high quality HD video over standard Cat. 5 cabling. Adjustments allow the video to be extended up to 500 feet from the Quick-Connect PRO with virtually no



WallVIEW PRO HD1
North America 999-6305-000 International 999-6305-001

FEATURES

- Sony EVI-HD1 High Definition PTZ Camera
- CMOS Image Device
- 10x lens, 1080i/720p/480i/576i (switchable)
- PRO series EZCamera Cabling System for running video, power, IR and control over Cat. 5 cabling up to 500 feet
- Heavy-duty wall mount bracket and PowerRite power supply

loss in video quality or additional latency.

Sony EVI – HD7V PTZ Camera

The EVI-HD7V, a 1080i High Definition pan/tilt/zoom camera is equipped with a DVI-I Interface designed to maximize high video quality displays and is capable of displaying both digital and analog signals (output is selectable from YPbPr and RGB).

FEATURES

- 1/3-type CMOS
- 10x Optical, 40x with digital zoom
- 2 Megapixels
- Includes PowerRite power supply, IR remote and AC cord set



Sony EVI-HD7V
North America 999-6370-000 International 999-6370-001

Sony EVI – HD3V PTZ Camera

The EVI-HD3V, a 720p HD pan/tilt/zoom camera is equipped with a DVI-I Interface designed to maximize high video quality displays and is capable of displaying both digital and analog signals (output is selectable from YPbPr and RGB).

FEATURES

- 1/3-type CMOS
- 10x Optical, 40x with digital zoom
- 2 Megapixels
- Includes PowerRite power supply, IR remote and AC cord set



Sony EVI-HD3V
North America 999-6330-000 International 999-6330-001

Sony EVI-D90 SD PTZ Camera

The EVI-D90 standard definition NTSC camera features a 1/4-type EXview HAD CCD image sensor capable of progressive scan and a 28x Optical Zoom lens. It features Y/C and CVBS outputs for added flexibility and is good in low light situations. Ceiling mountable and available in black or white, the EVI-D90 camera works well in a variety of SD shooting applications.

FEATURES

- NTSC or PAL available
- 1/4-type EXview HAD CCD Image Sensor
- 28x Optical Zoom lens
- Y/C and composite video outputs
- Ceiling mountable, invertible



Sony EVI-D90 SD PTZ Camera - Black
NTSC 999-2690-000 PAL 999-2690-001

Sony EVI-D90 SD PTZ Camera - White
NTSC 999-2690-000W PAL 999-2690-001W

Sony EVI-D80 SD PTZ Camera

The EVI-D80 standard definition NTSC camera features a 1/4-type CCD image sensor and 18x Optical Zoom lens and is rated well in low light situations (0.4 LUX). It has both Y/C and CVBS outputs for added flexibility. Ceiling mountable and available in black or white, the EVI-D80 camera works well in a variety of SD shooting applications.

FEATURES

- NTSC or PAL available
- 1/4-type CCD Image Sensor
- 18x Optical Zoom lens
- Y/C and Composite Video Outputs
- Ceiling Mountable, Invertible



Sony EVI-D80 SD PTZ Camera - Black
NTSC 999-2680-000 PAL 999-2680-001

Sony EVI-D80 SD PTZ Camera - White
NTSC 999-2680-000W PAL 999-2680-001W

WallVIEW D90

The Vaddio WallVIEW D90 PTZ is a complete wall mounted pan/tilt/zoom system. It is built around the standard definition Sony EDI-D90 camera, a thin profile wall mount and the Vaddio EZCamera cabling system. The EZCamera cabling system allows the user/installer to use two Cat. 5 cables to run video, power and control. Also included is the PowerRite power supply and the EZCamera Shoe built for the back panel of the D90 camera.

FEATURES

- Sony EVI-D90 Camera
- 28x Optical Zoom lens
- 1/4-type EXview HAD CCD Image Sensor
- EZCamera Cabling System
- EZCamera Cabling Shoe
- Vaddio IR remote Commander
- Power Supply
- Quick-Connect Box
- Thin Profile Wall Bracket
- Mounting Hardware
- Available in NTSC or PAL



WallVIEW D90 - Black
NTSC 999-2694-000 PAL 999-2694-001

WallVIEW D90 - White
NTSC 999-2694-000W PAL 999-2694-001W

WallVIEW D80

The Vaddio WallVIEW D80 PTZ is built around the standard definition Sony EVI-D80 camera, a thin profile wall mount and the Vaddio EZCamera Cabling System. The EZCamera cabling system allows the user/installer to use two Cat. 5 cables to run video, power and control. Also included is the EZCamera Shoe built for the back panel of the D80 camera and the PowerRite power supply.

FEATURES

- SD NTSC PTZ Sony EVI-D80 Camera and SD PAL PTZ camera available
- 18x Optical Zoom lens
- 1/4-type CCD Image Sensor
- EZCamera Cabling System
- EZCamera Cabling Shoe
- Power Supply
- Quick-Connect Box
- Thin Profile Wall Bracket
- Mounting Hardware
- Vaddio IR remote Commander
- Available in NTSC or PAL



WallVIEW D80 - Black
NTSC 999-2684-000 PAL 999-2684-001

WallVIEW D80 - White
NTSC 999-2684-000W PAL 999-2684-001W

WallVIEW D90 PTZ with ProductionVIEW FX



WallVIEW D80 PTZ with ProductionVIEW Precision Camera Controller



Sony BRC – 300 SD PTZ Camera

The BRC-300 incorporates three 1/4.7-type Advanced HAD™ CCDs to provide high-quality, high-resolution images in both 4:3 and 16:9 modes. With its E: Flip function for desktop or ceiling mount flexibility, the BRC-300 is ideal for use in a wide range of remote video shooting applications such as houses of worship, distance learning, corporate training, and cable TV broadcasting.

FEATURES

- 3-CCD Image Device
- 12x lens, NTSC/PAL with simultaneous Y/C (S-Video) and composite outputs
- 600 TVL
- 1.07 Megapixels
- Includes PowerRite power supply, IR remote and AC cord set



Sony BRC-300 PTZ Camera
 NTSC PAL
 999-6000-000 999-6000-001

Sony EVI – D70 PTZ Camera

The ceiling-mountable EVI-D70 combines a high quality 1/4 type EXview HAD™ CCD color camera with the flexibility of a remote pan/tilt/zoom operation, all in a compact easy-to-use package. Compared to its predecessor, the EVI-D70 camera incorporates a wider pan/tilt range with an 18x Optical Zoom lens and a faster pan/tilt mechanism.

FEATURES

- 1CCD Image Device
- 18x lens, NTSC/PAL
- 470 TVL
- Includes power supply, IR remote and AC cord set



Sony EVI-D70 PTZ Camera
 NTSC PAL
 999-2000-070 999-2000-071

WallVIEW CCU 300

The WallVIEW CCU 300 is built around the Sony BRC-300 standard definition pan/tilt/zoom camera, with 3-CCDs and a 12x Optical Zoom lens. WallVIEW CCU 300 enables the adjustment of color, gain and iris functions on the camera with the turn of a knob.



WallVIEW CCU 300
 NTSC
 999-6207-000
 PAL
 999-6207-001

FEATURES

- Sony BRC-300 Standard Definition PTZ Camera
- 3-CCD Image Device
- 12x lens, NTSC/PAL with simultaneous Y/C (S-Video) and composite outputs
- 600 TVL
- Red and blue gain, aperture, iris and gain controls
- Video, power and control over Cat. 5 cabling up to 500 feet
- Heavy-duty wall mount bracket and power supply

Model 70 PTZ Camera Kit

The Model 70 PTZ Camera Kit is built around the Sony EVI-D70 PTZ camera and includes the EZCamera Cable Shoe and IR remote Commander. The EZCamera Cabling System allows the installer to use Cat. 5 cabling to run power, video and camera control.



Model 70 PTZ Camera Kit
 NTSC PAL
 999-2001-070 999-2001-071

SYSTEM INCLUDES

- Sony EVI-D70 Standard Definition PTZ Camera
- 1CCD Image Device
- 18x lens, NTSC/PAL
- EZCamera Cable System for video, power and control over Cat. 5 cabling up to 200 feet
- Vaddio's IR remote Commander

WallVIEW PRO 300

The WallVIEW PRO 300 is built around the Sony BRC-300 standard definition pan/tilt/zoom camera, with 3-CCDs and a 12x Optical Zoom lens.



WallVIEW PRO 300
 NTSC PAL
 999-6205-000 999-6205-001

FEATURES

- Sony BRC-300 Standard Definition PTZ Camera
- 3-CCD Image Device
- 12x lens, NTSC/PAL with simultaneous Y/C (S-Video) and composite outputs
- 600 TVL
- PRO series EZCamera Cabling System for running video, power, IR and control over Cat. 5 cabling up to 500 feet

WallVIEW 70 PTZ

The WallVIEW 70 PTZ is a complete wall mounted pan/tilt/zoom camera system. The system includes a Sony EVI-D70 PTZ camera, a thin profile wall mount bracket for the camera and the Vaddio EZCamera Cabling System. The EZCamera Cabling System allows the installer to use Cat. 5 cabling to run power, video and camera control. Also included is Vaddio's PowerRite Power Supply. The PowerRite system regulates the right amount of power needed for the camera over Cat. 5 cabling.



WallVIEW 70 PTZ
 NTSC PAL
 999-2704-000 999-2704-001

SYSTEM INCLUDES

- Sony EVI-D70 Standard Definition PTZ Camera
- 1CCD Image Device
- 18x lens, NTSC/PAL
- EZCamera Cable System for video, power and control over Cat. 5 cabling up to 200 feet
- Thin profile wall mount bracket and power supply

Black Camera Version Available

- Includes Black Camera, EZCamera Cable Shoe and thin profile wall mount

WallVIEW 70 PTZ Black Camera Version
 NTSC PAL
 999-2704-000B 999-2704-001B

Wide Angle Camera Lens Option for Sony EVI – D70

Wide angle lens for Sony EVI-D70 with 37mm threads and .5x magnification.

FEATURES

- 37mm threads
- .5x magnification
- 100 percent wider image



Kenko EVI-D70 Lens
 534-0000-001

Sony EVI – D100 PTZ Camera

The EVI-D100 is a high quality CCD camera that combines a high-speed, quiet pan/tilt with a wide-angle view and 40x zoom (10x optical + 4x digital), all in a compact, easy-to-use package. The EVI-D100 camera features auto focus, auto white balance and automatic exposure control that provide fast and stable hands free operation when the camera changes pan/tilt positions.



Sony EVI-D100 PTZ Camera
 NTSC 999-2000-100 PAL 999-2000-101

FEATURES

- 1CCD Image Device
- 10x lens, NTSC/PAL
- 470 TVL
- Includes power supply, IR remote and AC cord set

Model 100 PTZ Camera Kit

The Model 100 PTZ Camera Kit is built around the Sony EVI-D100 PTZ camera and includes the EZCamera Cable Shoe and IR remote Commander. The EZCamera Cabling System allows the installer to use Cat. 5 cabling to run power, video and camera control.



Model 100 PTZ Camera Kit
 NTSC 999-2001-100 PAL 999-2001-101

SYSTEM INCLUDES

- Sony EVI-D100 Standard Definition PTZ Camera
- 1CCD Image Device
- 10x lens, NTSC/PAL
- EZCamera Cable System for video, power and control over Cat. 5 cabling up to 115 feet
- Vaddio's IR remote Commander

WallVIEW 100 PTZ

The WallVIEW 100 PTZ is a complete wall mounted pan/tilt/zoom camera system. The system includes a Sony EVI-D100 PTZ camera, a thin profile wall mount bracket for the camera and the Vaddio EZCamera Cabling System. The EZCamera Cabling System allows the installer to use Cat. 5 cabling to run power, video and camera control. Also included is Vaddio's PowerRite Power Supply. The PowerRite system regulates the right amount of power needed for the camera over Cat. 5 cabling.



WallVIEW 100 PTZ
 NTSC 999-2204-000 PAL 999-2204-001
 WallVIEW 100 PTZ
 Black Camera Version
 NTSC 999-2204-000B PAL 999-2204-001B

SYSTEM INCLUDES

- Sony EVI-D100 Standard Definition PTZ Camera
- 1CCD Image Device
- 10x lens, NTSC/PAL
- EZCamera Cable System for video, power and control over Cat. 5 cabling up to 115 feet
- Thin profile wall mount bracket and power supply

BLACK CAMERA VERSION AVAILABLE

- Includes black camera, EZCamera Cable Shoe and thin profile wall mount

CoverVIEW™ for Sony EVI – D100 – Black / White

The CoverVIEW is a simple and attractive way to install the Sony EVI-D100 and WallVIEW 100 PTZ cameras into a wall cavity.

The system is comprised of a metal back box and a curved, acrylic cover. An adjustable tripod screw slot on the bottom of the box allows for fastening the PTZ camera to the box. The cover is made of ABS plastic and has a clear acrylic, non-reflective lens mounted across the opening.



FEATURES

- Attractive camera enclosure cover
- Plenum-rated metal back box with conduit knockouts
- Clear acrylic non-reflective camera lens
- Two extruded trim clips
- Mounting hardware

CoverVIEW for Sony
 EVI-D100 - Black
 999-2221-000

CoverVIEW for Sony
 EVI-D100 - White
 999-2221-001

Canon VC-C50i PTZ Camera

The Canon VC-C50i PTZ camera combines a 1/4-inch CCD image sensor with 340,000 effective pixels and offers a 26x optical and 12x digital zoom lens. The VC-C50i delivers high quality video from far distances, even in no-light conditions up to ten feet away.

FEATURES

- 1-CCD Image Device
- 26x lens, NTSC/PAL
- 460 TVL
- Includes power supply, IR remote and AC cord set



Canon VC-C50i PTZ Camera
 NTSC 999-4000-000 PAL 999-4000-001

WallVIEW 50i PTZ

The WallVIEW 50i PTZ is a complete wall mounted pan/tilt/zoom camera system. The system includes a Canon VC-C50i PTZ camera, a thin profile wall mount bracket for the camera and the Vaddio EZCamera Cabling System. The EZCamera Cabling System allows the installer to use Cat. 5 cabling to run power, video and camera control. Also included is Vaddio's PowerRite Power Supply.

SYSTEM INCLUDES

- Canon VC-C50i Standard Definition PTZ Camera
- 1-CCD Image Device
- 26x lens, NTSC/PAL
- EZCamera Cable System for video, power and control over Cat. 5 cabling up to 185 feet
- Thin profile wall mount bracket and power supply



WallVIEW 50i PTZ
 NTSC 999-4204-000 PAL 999-4204-001

Canon VC-C50iR PTZ Camera

The inverted Canon VC-C50iR PTZ camera combines a 1/4-inch CCD image sensor with 340,000 effective pixels and offers a 26x optical and 12x digital zoom lens. The VC-C50iR delivers high quality video from far distances, even in no-light conditions up to ten feet away.

FEATURES

- 1-CCD Image Device
- 26x lens, NTSC/PAL
- 460 TVL
- Includes power supply, IR remote and AC cord set



Canon VC-C50iR PTZ Camera
 NTSC 999-4001-000 PAL 999-4001-001

CeilingVIEW 50iR PTZ

The CeilingVIEW 50iR PTZ Camera System is built around the Canon® VC-C50iR Inverted PTZ Camera equipped with Vaddio's suspended ceiling PTZ camera mount and Vaddio's EZCamera Cabling system. The EZCamera Cabling System allows the installer to use Cat. 5 cabling to run power, video and camera control. Also included is Vaddio's PowerRite Power Supply.

SYSTEM INCLUDES

- Inverted Canon VC-C50iR Standard Definition PTZ Camera
- 1-CCD Image Device
- 26x lens, NTSC/PAL
- EZCamera Cable System for video, power and control over Cat. 5 cabling up to 185 feet
- Suspended ceiling camera mount including mounting rail, escutcheon ring and mounting hardware
- Includes PowerRite power supply, IR remote and EZCamera Control Adapter



CeilingVIEW 50iR PTZ
 NTSC 999-4304-000 PAL 999-4304-001

Model 50i PTZ Camera Kit

The Model 50i PTZ Camera Kit is built around the Canon VC-C50i PTZ camera and includes the EZCamera Cable Shoe and IR remote Commander. The EZCamera Cabling System allows the installer to use Cat. 5 cabling to run power, video and camera control.

SYSTEM INCLUDES

- Canon VC-C50i Standard Definition PTZ Camera
- 1-CCD Image Device
- 26x lens, NTSC/PAL
- EZCamera Cable System for video, power and control over Cat. 5 cabling up to 185 feet
- Vaddio's IR remote Commander



Model 50i PTZ Camera Kit
 NTSC 999-2001-050 PAL 999-2001-051

CoverVIEW for Canon VC-C50i – Black

The CoverVIEW is a simple and attractive way to install the Canon VC-C50i and WallVIEW 50i PTZ cameras into a wall cavity.

The system is comprised of a metal back box and a curved, acrylic cover. An adjustable tripod screw slot on the bottom of the box allows for fastening the PTZ camera to the box. The cover is made of ABS plastic and has a clear acrylic, non-reflective lens mounted across the opening.

FEATURES

- Attractive camera enclosure cover
- Plenum-rated metal back box with conduit knockouts
- Clear acrylic non-reflective camera lens
- Two extruded trim clips
- Mounting hardware
- Available only in black



CoverVIEW for Canon VC-C50i - Black
 999-2224-000

Model 50iR PTZ Camera Kit

The Model 50iR PTZ Camera Kit is built around the Canon VC-C50iR inverted PTZ camera and includes the EZCamera Cable Shoe and IR remote Commander. The EZCamera Cabling System allows the installer to use Cat. 5 cabling to run power, video and camera control.

SYSTEM INCLUDES

- Inverted Canon VC-C50iR Standard Definition PTZ Camera
- 1-CCD Image Device
- 26x lens, NTSC/PAL
- EZCamera Cable System for video, power and control over Cat. 5 cabling up to 185 feet
- Vaddio's IR remote Commander



Model 50iR PTZ Camera Kit
 NTSC 999-2001-060 PAL 999-2001-061

Wide Angle Camera Lens Option for Canon VC-C50i

Wide angle lens for Canon VC-C50i and VC-C50iR with 37mm threads and .75x magnification.

FEATURES

- 37mm threads
- .75x magnification
- 33 percent wider image



Canon VC-C50i Lens
 534-0000-002

EZCamera Cable Components are products integrators use with EZCamera PTZ cameras to design their packages based on customer application. Power supplies, Quick-Connect 4 wiring center, rack panels, thin profile wall mounts, control adapters and accessories are the component options available.

Quick-Connect™ Box

The Quick-Connect Box converts Cat. 5 connection from the EZCamera Shoe back to the native power, S-video and composite video in a matchbox-sized box that sits back in the rack with the head-end equipment.



Quick-Connect Box
998-1105-001

Quick-Connect Box Rack Panel

The Quick-Connect Box Rack Panel mounts up to three Quick-Connect boxes on a tray attached to the back of the rack panel (Quick-Connect boxes are not included).



Quick-Connect Box Rack Panel
998-1105-002

Quick-Connect 4

The Vaddio Quick-Connect 4 video, power and control wiring center can accommodate up to four single chip EZCamera PTZ Series cameras. The Quick-Connect 4 combines four of the Quick-Connect boxes, four EZCamera Control Adapters and four power supplies. Used in conjunction with the EZCamera Cabling System, the Quick-Connect 4 centralizes control system wiring and supplies power distribution from a single master power supply.



FEATURES

- 2-RU Rack enclosure with centralized power supply and control ports
- S-Video and composite outputs (NTSC/PAL)
- Supports four EZCamera Cable Systems for video, power and control over Cat. 5 cabling

COMPATIBLE CAMERAS

- WallVIEW 100 PTZ, WallVIEW 70 PTZ, WallVIEW 50i PTZ, CeilingVIEW 70, CeilingVIEW 50iR, CeilingVIEW SD, CeilingVIEW HD, WallVIEW 50i PTZ Hideaway, Model 100 PTZ, Model 70 PTZ, Model 50i PTZ, Model 50iR PTZ

Quick-Connect 4
North America
998-5100-000 International
999-5100-001

EZCamera™ Control Adapter

The RJ-45 to DB9F adapter converts standard Cat. 5 cable with an RJ-45 connector to DB9 connector. For use with control systems and codecs with RS-232 ports.



EZCamera Control Adapter
998-1001-232

EZCamera Control Adapter for Cisco Codecs

The RJ-45 to DB9M adapter for Cisco codecs eliminates the need for a null-modem adapter and gender changer when converting Cat. 5 control cabling to the Vaddio EZCamera control standard.



EZCamera Control Adapter for Cisco Codecs
998-1002-232

EZCamera Control Adapter for Polycom HDX Series Codecs

The RJ-45 to DB9M adapter, for Polycom HDX Series codecs to WallVIEW Kits, eliminates the need for a null-modem adapter and gender changer when converting Cat. 5 control cabling to the Vaddio EZCamera control standard.



EZCamera Control Adapter for Polycom HDX Series Codecs
998-1006-232

Vaddio IR remote Commander

Controls the following Vaddio/Sony-based camera packages:

- Vaddio HD-USB, HD-20, HD-19 and HD-18 Camera Systems, WallVIEW PRO 70, 100, 300, HD1, Z700 and H700
- WallVIEW CCU 300, HD1, Z700 and H700
- CeilingVIEW 70 PTZ and CeilingVIEW 70 PTZ Hideaway
- Models 100 PTZ and Model 70 PTZ
- PTZCAM 100 and PTZCAM 70
- EVI-D70, EVI-D100, BRC-300, BRC-Z700 and BRC-H700



Vaddio IR remote Commander
998-2100-000

24 Volt Power Supply

FEATURES

- Extends WallVIEW and Model 100 PTZ Cameras 115 feet to 250 feet
- Extends WallVIEW and Model 70 PTZ Cameras 200 feet to 300 feet
- Extends WallVIEW and Model cameras 50i PTZ Cameras 185 feet to 275 feet
- Extends WallVIEW and Model cameras 50iR PTZ Cameras 185 feet to 275 feet



24 Volt Power Supply
451-2000-024

Off – Set Drop Down Mount for OEM Cameras

Fits Sony BRC Cameras, PRO and CCU H900, H700, Z700, Z330, 300 systems, and Panasonic HE50, HE120 and Canon XU-80, and XU-80W

- 1-inch NPT pipe thread connects to third-party mounting hardware
- Heavy gauge steel construction
- Extends approx. 28 inches below ceiling



Off-Set Drop Down Mount for OEM Cameras
535-2000-294



Off-Set Drop Down Mount for Panasonic AW-HE50H

- Fits Panasonic AW-HE50H HD PTZ Camera
- Drywall or suspended ceiling installation
 - Heavy gauge steel construction
 - Extends approx. 28 inches below ceiling

Off-Set Drop Down Mount for Panasonic AW-HE50H
535-2000-296



Standard Tube Camera Mounts

Tubular, aluminum wall/ceiling mounts allow for easy cable management pass-through. They come in silver/gray finish with 1/4-inch, 20 thread mounting screws.

Length: 12 inches — 18.3 inches
(305mm — 465mm)



Standard Camera Mount
535-2000-212

Length: 12 inches — 18.3 inches
(305mm — 465mm)



Expandable Wall Mount
535-2000-214

Length: 24 inches — 40 inches
(610mm — 1016mm)



Long Expandable Wall/Ceiling Mount
535-2000-215

Dimensions: 9.5 inches x 8 inches
(242mm x 203mm)



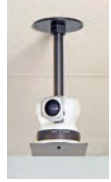
Universal Wall/Ceiling Mount
535-2000-213

Drop Down Mount for Small PTZ Cameras – Short (12-inch)

Fits Vaddio Model 50, 70 and 100 PTZ Cameras

- Also compatible with Polycom PowerCam, Cisco WAVE II and LifeSize PTZ Cameras
- Heavy gauge steel construction
- Extends approx. 1 foot below ceiling

Drop Down Mount for Small PTZ Cameras - Short
535-2000-290

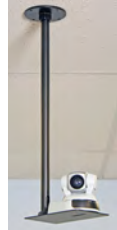


Drop Down Mount for Small PTZ Cameras – Long (24-inch)

Fits Vaddio Model 50, 70 and 100 PTZ Cameras

- Also compatible with Polycom PowerCam, Cisco WAVE II and LifeSize PTZ Cameras
- Heavy gauge steel construction
- Extends approx. 2 feet below ceiling

Drop Down Mount for Small PTZ Cameras - Long
535-2000-291



Drop Down Mount for Large PTZ Cameras – Long (24-inch)

Fits Sony HD1, WallVIEW PRO HD1, WallVIEW CCU HD1

- Also compatible with Polycom EagleEye and Cisco Precision HD
- Heavy gauge steel construction
- Extends approx. 2 feet below ceiling

Drop Down Mount for Large PTZ Cameras - Long
535-2000-293



Drop Down Mount for Large PTZ Cameras – Short (12-inch)

Fits Sony HD1, WallVIEW PRO HD1, WallVIEW CCU HD1

- Also compatible with Polycom EagleEye and Cisco Precision HD
- Heavy gauge steel construction
- Extends approx. 1 foot below ceiling

Drop Down Mount for Large PTZ Cameras - Short
535-2000-292



Suspended Ceiling PTZ Camera Mount for a Vaddio ClearVIEW HD-20, HD-19, HD-18, Sony Model 70 or Canon Model 50IR

Fits ClearVIEW HD-20/19/18, WallVIEW SR HD-20/19/18, WallVIEW CCU SDI HD-20/19/18, WallVIEW DV/HDMI HD-20/19/18, Sony Model 70 and Canon Model 50IR

- Drywall or suspended ceiling installation
- Heavy gauge steel construction

Suspended Ceiling PTZ Camera Mount
535-2000-206



Model XU-80/XU-80W Wall Mount Bracket

- Heavy-gauge steel
- Mounting hardware included
- Mounts to drywall or 3-gang electrical box



Model XU-80/XU-80W Wall Mount Bracket
535-2000-223

Model HE120 Wall Mount Bracket

- Heavy-gauge steel
- Mounting hardware included
- Mounts to drywall or 3-gang electrical box



Model HE120 Wall Mount Bracket
535-2000-223

Model HE50H Thin Profile Wall Mount Bracket

- Heavy-gauge steel
- Mounting hardware included
- Mounts to drywall or 3-gang electrical box



Model HE50H Thin Profile Wall Mount Bracket
535-2000-231

Model H900 Wall Mount Bracket

- Heavy-gauge steel
- Mounting hardware included
- Mounts to drywall or 3-gang electrical box



Model H900 Wall Mount Bracket
535-2000-225

Model H700 Wall Mount Bracket

- Heavy-gauge steel
- Mounting hardware included
- Mounts to drywall or 3-gang electrical box



Model H700 Wall Mount Bracket
535-2000-223

Model Z700 Wall Mount Bracket

- Heavy-gauge steel
- Mounting hardware included
- Mounts to drywall or 3-gang electrical box



Model Z700 Wall Mount Bracket
535-2000-225

Model Z330 Wall Mount Bracket

- Mounting hardware included
- Mounts to drywall or 3-gang electrical box



Model Z330 Wall Mount Bracket
535-2000-231

Model HD1 Thin Profile Wall Mount Bracket

- Heavy-gauge steel
- Mounting hardware included
- Mounts to drywall or 2-gang electrical box



Model HD1 Thin Profile Wall Mount Bracket
535-2000-216

Model 300 Thin Profile Wall Mount Bracket

- Heavy-gauge steel
- Mounting hardware included
- Mounts to drywall or 3-gang electrical box



Model 300 Thin Profile Wall Mount Bracket
535-2000-208

Model Sony EVI-D80/EVI-D90 Thin Profile Wall Mount Bracket

- Heavy-gauge steel
- Mounting hardware included
- Mounts to drywall or 3-gang electrical box



Model Sony EVI-D80/EVI-D90 Thin Profile Wall Mount Bracket - Black
535-2000-236



Model Sony EVI-D80/EVI-D90 Thin Profile Wall Mount Bracket - White
535-2000-236W

Model 70 Thin Profile Wall Mount Bracket

- Mounting hardware included
- Mounts to drywall or 2-gang electrical box



Model 70 Thin Profile - White
535-2000-205

Model 70 Thin Profile - Black
535-2000-204B

Model 100 Thin Profile Wall Mount Bracket

- Mounting hardware included
- Mounts to drywall or 2-gang electrical box



Model 100 Thin Profile - White
535-2000-204

Model 100 Thin Profile - Black
535-2000-204B

Model 50i Thin Profile Wall Mount Bracket

- Mounting hardware included
- Mounts to drywall or 2-gang electrical box



Model 50i Thin Profile Wall Mount Bracket
535-2000-207

IN-Wall Enclosure for Canon XU-80 (not for use with XU-80W)

- The IN-Wall Enclosure for the Sony BRC-H900 is designed and sized to fit the entire PTZ camera system including the camera, EZIM and dangle to enable the use of Cat. 5 cabling.
- Fits Canon XU-80 (Not for use with XU-80W)
 - Includes metal back box enclosure, camera platform and face frame
 - Reinforced camera platform for rigidity and strength
 - Powder-coated white



IN-Wall Enclosure for Canon XU-80
999-2225-016

IN-Wall Enclosure for Sony BRC-Z330

- The IN-Wall Enclosure for the Sony BRC-Z330 is designed and sized to fit the entire PTZ camera system including the camera, EZIM and dangle to enable the use of Cat. 5 cabling.
- Fits Sony BRC-Z330, WallVIEW PRO Z330 and WallVIEW CCU Z330
 - Includes metal back box enclosure, camera platform and face frame
 - Reinforced camera platform for rigidity and strength
 - Powder coated white



IN-Wall for Sony BRC-Z330
999-2225-019

IN-Wall Enclosure for Panasonic AW-HE120

- The IN-Wall Enclosure for the Panasonic AW-HE120 is designed and sized to fit the entire PTZ camera system including the camera, EZIM and dangle to enable the use of Cat. 5 cabling.
- Fits Panasonic AW-HE120, WallVIEW PRO HE120, WallVIEW CCU HE120
 - Includes metal back box enclosure, camera platform and face frame
 - Reinforced camera platform for rigidity and strength
 - Powder-coated white



IN-Wall Enclosure for Panasonic AW-HE120
999-2225-019

IN-Wall Enclosure for Sony EVI-HD1

- The IN-Wall Enclosure for the Sony EVI-HD1 is designed and sized to fit the entire PTZ camera system including the camera, EZIM and dangle to enable the use of Cat. 5 cabling.
- Fits Sony EVI-HD1, WallVIEW PRO HD1 and WallVIEW CCU HD1
 - Includes metal back box enclosure, camera platform and face frame
 - Reinforced camera platform for rigidity and strength
 - Powder coated white



IN-Wall for Sony EVI-HD1
999-2225-014

IN-Wall Enclosure for Panasonic AW-HE50

- The IN-Wall Enclosure for the Panasonic AW-HE50 is designed and sized to fit the entire PTZ camera system including the camera, EZIM and dangle to enable the use of Cat. 5 cabling.
- Fits Panasonic AW-HE50, WallVIEW PRO HE50, WallVIEW CCU HE50
 - Includes metal back box enclosure, camera platform and face frame
 - Reinforced camera platform for rigidity and strength
 - Powder-coated white



IN-Wall Enclosure for Panasonic AW-HE50
999-2225-019

IN-Wall Enclosure for Sony BRC-300

- The IN-Wall Enclosure for the Sony BRC-300 is designed and sized to fit the entire PTZ camera system.
- Fits Sony BRC-300
 - Includes metal back box enclosure, camera platform and face frame
 - Powder coated white



IN-Wall for Sony BRC-300
999-2225-013

IN-Wall Enclosure for Sony BRC-H900

- The IN-Wall Enclosure for the Sony BRC-H900 is designed and sized to fit the entire PTZ camera system including the camera, EZIM and dangle to enable the use of Cat. 5 cabling.
- Fits Sony H900, WallVIEW PRO H900 and WallVIEW CCU H900
 - Includes metal back box enclosure, camera platform and face frame
 - Reinforced camera platform for rigidity and strength
 - Powder-coated white



IN-Wall Enclosure for Sony BRC-H900
999-2225-017

IN-Wall Enclosure for Sony EVI-D70 and Canon VC-C50i

- The IN-Wall Enclosure for the Sony EVI-D70 and Canon VC-C50i is designed and sized to fit the entire PTZ camera system including the camera and EZCamera Cable Shoe to enable the use of Cat. 5 cabling.
- Fits Sony EVI-D70 and Canon VC-C50i
 - Includes metal back box enclosure, camera platform and face frame
 - Reinforced camera platform for rigidity and strength
 - Powder coated white



IN-Wall for Sony EVI-D70 / Canon VC-C50i
999-2225-012

IN-Wall Enclosure for Sony BRC-H700

- The IN-Wall Enclosure for the Sony BRC-H700 is designed and sized to fit the entire PTZ camera system including the camera, EZIM and dangle to enable the use of Cat. 5 cabling.
- Fits Sony BRC-H700, WallVIEW PRO H700 and WallVIEW CCU H700
 - Includes metal back box enclosure, camera platform and face frame
 - Reinforced camera platform for rigidity and strength
 - Powder coated white



IN-Wall for Sony BRC-H700
999-2225-016

IN-Wall Enclosure for EVI-D80 and EVI-D90

- The IN-Wall Enclosure for the Sony EVI-D80 and EVI-D90 is designed and sized to fit the entire PTZ camera system including the camera and EZCamera Cable Shoe to enable the use of Cat. 5 cabling.
- Fits Sony EVI-D80, EVI-D90, WallVIEW 80 and WallVIEW 90
 - Includes metal back box enclosure, camera platform and face frame
 - Reinforced camera platform for rigidity and strength
 - Powder-coated white



IN-Wall Enclosure for EVI-D80 and EVI-D90
999-2225-019

IN-Wall Enclosure for Sony BRC-Z700

- The IN-Wall Enclosure for the Sony BRC-Z700 is designed and sized to fit the entire PTZ camera system including the camera, EZIM and dangle to enable the use of Cat. 5 cabling.
- Fits Sony BRC-Z700, WallVIEW PRO Z700 and WallVIEW CCU Z700
 - Includes metal back box enclosure, camera platform and face frame
 - Reinforced camera platform for rigidity and strength
 - Powder coated white



IN-Wall for Sony BRC-Z700
999-2225-017

IN-Wall Enclosure for Sony EVI-D100

- The IN-Wall Enclosure for the Sony EVI-D100 is designed and sized to fit the entire PTZ camera system including the camera and EZCamera Cable Shoe to enable the use of Cat. 5 cabling.
- Fits Sony EVI-D100, WallVIEW 100 and Model 100 PTZ
 - Includes metal back box enclosure, camera platform and face frame
 - Reinforced camera platform for rigidity and strength
 - Powder coated white



IN-WALL for Sony EVI-D100
999-2225-011

Dome systems provide integrators with a secure camera housing designed to protect PTZ cameras against damage that can be caused when cameras are exposed to the elements and vandalism.

DomeVIEW™ Indoor Flush Mount Dome Kit for HD-20, HD-19 and HD-18

The Indoor Flush Mount Dome Kit for Vaddio's ClearVIEW HD-20, HD-19 or HD-18 provides a secure housing solution for high definition PTZ cameras. The clear and smoked optically correct domes provide for distortion-free viewing that allows the camera operator to position the camera anywhere within its pan/tilt range.

The Indoor Flush Mount Dome kit includes a 12-inch (30.48 cm) clear flush mount dome enclosure and internal brackets to support the Vaddio ClearVIEW HD-20/19/18 cameras.

FEATURES

- 12-inch clear optical-grade polycarbonate dome
- Metal back can
- One-piece tile support brace
- White trim ring and mounting hardware
- Conduit connector and seismic hanger plate

**Camera not included



Indoor Flush Mount Dome for Vaddio HD-20/HD-19/HD-18
998-9000-200

DomeVIEW HD Indoor Pendant Mount Dome Kit for HD-20, HD-19 and HD-18

The Indoor Pendant Mount Dome Kit for Vaddio's ClearVIEW HD-20, HD-19 or HD-18 provides a secure housing solution for high definition PTZ cameras. The clear and smoked optically correct domes provide for distortion-free viewing that allows the camera operator to position the camera anywhere within its pan/tilt range.

The Indoor Pendant Mount Dome kit includes a 12-inch (30.48 cm) optical-grade polycarbonate clear dome enclosure and internal brackets to support the Vaddio ClearVIEW HD-20/19/18 cameras.

FEATURES

- 12-inch clear optical-grade polycarbonate dome
- Light gray UV-treated plastic shroud
- Metal back can
- 1.5-inch NPT pipe adapter and gasket
- Stainless steel screws for dome attachment
- Mounting hardware

**Camera not included



Indoor Pendant Mount Dome for Vaddio HD-20/HD-19/HD-18
998-9100-200

DomeVIEW HD Outdoor Weather-Resistant (Light Duty) Pendant Mount for HD-20, HD-19 and HD-18

The Outdoor Weather-Resistant Pendant Mount Dome Kit for Vaddio's ClearVIEW HD-20, HD-19 or HD-18 provides a secure housing solution for high definition PTZ cameras. The clear and smoked optically correct domes provide for distortion-free viewing that allows the camera operator to position the camera anywhere within its pan/tilt range.

The Outdoor Pendant Mount Dome kit includes a 12-inch (30.48 cm) optical-grade polycarbonate smoke-tinted dome enclosure and internal brackets to support the Vaddio ClearVIEW HD-20/19/18 cameras.

FEATURES

- 12-inch smoke-tinted optical-grade polycarbonate dome
- Light gray UV-treated plastic shroud
- Metal back can
- 1.5-inch NPT pipe adapter and gasket
- Stainless steel screws for dome attachment
- Heater/Blower
- Mounting hardware

**Camera not included



Outdoor Pendant Mount Dome for Vaddio HD-20/HD-19/HD-18
998-9200-200

DomeVIEW 70 Flush Mount Camera System

Flush Mount Dome Enclosure and Sony EVI-D70 PTZ camera with EZCamera Cabling System. The Domes are formed with optical-grade polycarbonate and are available in clear (standard) or smoked tint (optional).

FEATURES

- 7.3-inch (18.54cm) clear dome with white twist-and-lock trim ring
- Plenum-rated metal back box (tile support brace recommended)
- Includes Sony EVI-D70 PTZ Camera (90 degree tilt, 340 degree pan)
- Sony EVI-D70 Bracket included



DomeVIEW 70 Flush Mount Camera System
North America Only
999-9000-070

DomeVIEW 70 Indoor Pendant Camera System

Indoor Pendant Mount Dome Enclosure and Sony EVI-D70 PTZ camera with EZCamera Cabling System. The Domes are formed with optical-grade polycarbonate and are available in clear (standard) or smoked tint (optional).

FEATURES

- 7.3-inch (18.54cm) clear dome with white twist-and-lock trim ring
- White, high-impact plastic pendant enclosure with 1-inch NPT fitting
- Includes Sony EVI-D70 PTZ Camera (90° tilt, 340° pan)
- Sony EVI-D70 Bracket included



DomeVIEW 70 Indoor Pendant Camera System
North America Only
999-9100-070

DomeVIEW 70 Outdoor Pendant Dome Camera System

Outdoor Pendant Dome Enclosure and Sony EVI-D70 PTZ camera with EZCamera Cabling System. The Domes are formed with optical-grade polycarbonate and are available in clear (standard) or smoked tint (optional).

FEATURES

- 8.2-inch (20.8cm) smoke-tinted dome
- Dual shell construction with integrated 1.5-inch NPT pendant mount
- Heater and blower kit with 24 Volt AC power supply
- Includes Sony EVI-D70 PTZ Camera (90° tilt, 340° pan)
- Sony EVI-D70 Bracket included



DomeVIEW 70 Outdoor Pendant Dome Camera System
North America Only
999-9200-070

Tile Support Brace for DomeVIEW HD Flush Mount Domes

- 23.75-inch (60.33cm) aluminum tile brace
- Serves as template and brace



Tile Support Brace for DomeVIEW HD Flush Mount Domes
997-9000-000

12" Clear Dome Accessory (dome only)

Clear replacement dome for DomeVIEW HD Outdoor Pendant Dome with stainless steel screws for Vaddio HD-20/HD-19/HD-18.



Clear Dome Option for Vaddio
998-9000-210

12" Smoke Tinted Dome Accessory (dome only)

Smoke tinted replacement dome for DomeVIEW HD Outdoor Pendant Dome with stainless steel screws for Vaddio HD-20/HD-19/HD-18.



Smoke Tinted Dome Option for Vaddio
998-9000-220

DomeVIEW 50iR Flush Mount Camera System

Flush Mount Dome Enclosure and Canon VC-C50iR PTZ Camera with EZCamera Cabling System. The Domes are formed from optical-grade polycarbonate and are available in clear (standard) or smoked tint (optional).

FEATURES

- 7.3-inch (18.54cm) clear dome with white twist-and-lock trim ring
- Plenum-rated metal back box (tile support brace recommended)
- Includes Canon VC-C50iR PTZ Camera (90° tilt, 340° pan)
- Canon VC-C50iR Bracket included
- Includes EZCamera Cabling System



DomeVIEW 50iR Flush Mount Camera System
North America Only
999-9000-050

Flush Mount Dome and Bracket for Sony EVI-D70 or for Canon VC-C50iR

Includes a 7.3-inch (18.54cm) clear flush mount dome enclosure and internal brackets to support the Sony EVI-D70 or Canon VC-C50iR.

FEATURES

- 7.3-inch (18.54cm) clear dome with white twist-and-lock trim ring
- Plenum-rated metal back box (tile support brace recommended)

**Camera not included

Sony EVI-D70 Bracket included 998-9000-070

Canon VC-C50iR Bracket included 998-9000-050



Flush Mount Dome for Sony EVI-D70
998-9000-070

Flush Mount Dome for Canon VC-C50iR
998-9000-050

DomeVIEW 50iR Indoor Pendant Camera System

Indoor Pendant Mount Dome Enclosure and Canon VC-C50iR PTZ Camera with EZCamera Cabling System. The Domes are formed from optical-grade polycarbonate and are available in clear (standard) or smoked tint (optional).

FEATURES

- 7.3-inch (18.54cm) clear dome with white twist-and-lock trim ring
- White, high-impact plastic pendant enclosure with 1-inch NPT fitting
- Includes Canon VC-C50iR PTZ Camera (90 degree tilt, 340 degree pan)
- Canon VC-C50iR Bracket included
- Includes EZCamera Cabling System



DomeVIEW 50iR Indoor Pendant Camera System
North America Only
999-9100-050

Indoor Pendant Dome and Bracket for Sony EVI-D70 or for Canon VC-C50iR

Includes a 7.3-inch (18.54cm) clear pendant dome enclosure and internal brackets to support the Sony EVI-D70 or the Canon VC-C50iR.

FEATURES

- 7.3-inch (18.54cm) clear dome with white twist-and-lock trim ring
- White, high-impact plastic pendant enclosure with 1-inch NPT fitting

**Camera not included

Sony EVI-D70 Bracket included 998-9000-070

Canon VC-C50iR Bracket included 998-9000-050



Indoor Pendant Dome and Bracket for Sony EVI-D70
998-9100-070

Indoor Pendant Dome and Bracket for Canon VC-C50iR
998-9100-050

DomeVIEW 50iR Outdoor Pendant Dome Camera System

Outdoor Pendant Dome Enclosure and Canon VC-C50iR PTZ Camera with EZCamera Cabling System. The Domes are formed from optical-grade polycarbonate and are available in clear (standard) or smoked tint (optional).

FEATURES

- 8.2-inch (20.8cm) smoke-tinted dome
- Dual shell construction with integrated 1.5-inch NPT pendant mount
- Heater and blower kit with 24 Volt AC power supply
- Includes Canon VC-C50iR PTZ Camera (90 degree tilt, 340 degree pan)
- Canon VC-C50iR Bracket included
- Includes EZCamera Cabling System



DomeVIEW 50iR Outdoor Pendant Dome Camera System
North America Only
999-9200-050

Outdoor Pendant Dome for Sony EVI-D70 or Canon VC-C50iR

Includes an 8.2-inch (20.8cm) smoke-tinted pendant dome enclosure and internal brackets to support the Sony EVI-D70 or the Canon 50iR.

FEATURES

- 8.2-inch (20.8cm) smoke-tinted dome
- Dual shell construction with integrated 1.5-inch NPT pendant mount
- Heater and blower kit with 24 Volt AC power supply

**Camera not included

Outdoor Pendant Dome with Bracket for Sony EVI-D70
998-9200-070

Outdoor Pendant Dome with Bracket for Canon VC-C50iR
998-9200-050

Clear or Smoke Tinted Replacement Dome Options for DomeVIEW Outdoor Pendant Dome

- Stainless steel screws

OPTIONS

- 8.2-inch (20.8cm) clear replacement dome
997-9200-082
- 8.2-inch (20.8cm) smoke-tinted replacement dome
997-9200-083

Clear Dome Option for Outdoor Pendant Domes
997-9200-082

Smoke Tinted Dome Option for Outdoor Pendant Domes
997-9200-083

Smoke Tinted Dome Option for DomeVIEW Indoor Pendant Series and Flush Mount Domes

- Stainless steel screws

OPTIONS

- 7.3-inch (18.54cm) smoke-tinted replacement dome
997-9000-073
- 7.3-inch (18.54cm) clear Dome Replacement for Flush Mount or Indoor Pendant Dome
997-9000-074

7.3-inch Smoke Tinted Dome Option for Flush Mount or Indoor Pendant Dome Enclosures
997-9000-073

7.3-inch Clear Dome Option for Flush Mount or Indoor Pendant Dome Enclosures
997-9000-074

DomeVIEW & DomeVIEW HD Wall Mounting Kits for Indoor and Outdoor Pendant Domes

FEATURES

- Heavy-duty aluminum cast construction
- 1.5-inch NPT threads easily onto domes
- 85 mph (136.8kph) wind rating



Wall Mounting Kit for Indoor and Outdoor Pendant Domes
998-9300-000



Wall Mount with Pole Mounting Kit for Indoor and Outdoor Pendant Domes
998-9300-001



Ceiling Mounting Kit for Indoor and Outdoor Pendant Domes
998-9300-002

From mounting hardware and cabling systems to PTZ cameras, Vaddio provides everything you need to transform a videoconferencing system into a complete solution. Vaddio's videoconferencing peripherals are designed to provide an easy way to install Polycom and Cisco videoconferencing systems with standard Cat. 5 cables.

WallVIEW PRO EagleEye / EagleEye II / EagleEye III

The WallVIEW PRO EagleEye/EagleEye II/EagleEye III is designed for use with the Polycom EagleEye/EagleEye II/EagleEye III high definition pan/tilt/zoom cameras. The WallVIEW PRO's active electronics deliver high definition video up to 500 feet (152.4m) over standard Cat. 5 cable from the EagleEye/EagleEye II/EagleEye III PTZ camera (not included).



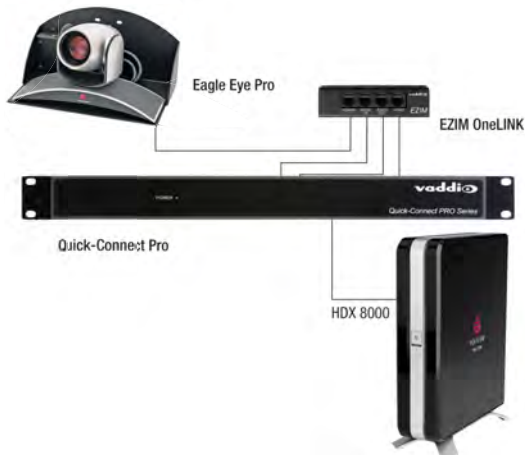
High speed differential signaling is used with the WallVIEW PRO EagleEye/EagleEye II/EagleEye III to deliver high quality HD and SD video over standard Cat. 5 cabling. Adjustments allow the video to be extended up to 500 feet from the Quick-Connect PRO with virtually no loss in video quality or additional latency.

WallVIEW PRO EagleEye / EagleEye II / EagleEye III
 North America 999-9500-000
 INTL International 999-9500-001

FEATURES

- PRO series EZCamera Cabling System for running video, power, IR and control over Cat. 5 cabling up to 500 feet
- Heavy-duty wall mount bracket and power supply
- Polycom IR pass-thru

WallVIEW EagleEye PRO System Configuration



Hot-Shot Preset Camera Controller



The Hot-Shot Preset Camera Controller adds automated PTZ camera control to a videoconferencing system camera. By using the camera presets stored in the codec, the Hot-Shot controller can be externally triggered by any number of different trigger devices such as a microphone switcher/mixer, StepVIEW presence-sensing mats, AutoVIEW IR sensors, the PresenterPOD or any other triggering/logic output device. Each Hot-Shot controller can control up to 36 presets.

Hot-Shot Preset Camera Controller
 North America 999-1036-000
 International 999-1036-001

KEY FEATURES

- 36 trigger inputs
- Recall preset commands for Polycom HDX-8000, HDX-9000, LifeSize Room System Series, Cisco C40, C60 and C90 Series, and Cisco 6000MXP and 3000MXP Series
- Up to four Hot-Shots can be linked via RS-232 for up to 144 triggers total

Cisco Cameras with OneLINK™ Technology

Vaddio's OneLINK technology is designed to work with both the Cisco® Precision HD 720p and Precision HD 1080p12x cameras. For the C20, C40, C60 and C90 codecs only. The Quick-Connect OneLINK utilizes a single Cat. 5 cable to transmit video, power and control to the camera up to 125 feet.



Cisco Cameras with OneLINK Technology
 North America 999-9550-000
 International 999-9550-001

FEATURES

- Single Cat. 5 cable for video, power and control up to 125 feet
 - Compatible with both Cisco Precision HD 720p and Precision HD 1080p 12x
 - For use with the C20, C40, C60 and C90 codecs only
 - Heavy-duty wall mount bracket
 - IR pass-through from Precision HD camera to Cisco codec
- **camera not included

OneLINK System Configuration



Thin Profile Wall Mount Bracket for Cisco® Precision HD 720p and Cisco Precision HD 1080p12x

- Fits Cisco Precision HD 720p and Cisco Precision HD 1080p 12x
- Heavy gauge steel construction
 - Mounting hardware included
 - Mounts to drywall or 2-gang electrical box



Thin Profile Wall Mount Bracket for Cisco Precision HD720p and Cisco Precision HD 1080p12x
535-2000-217

Thin Profile Wall Mount Bracket for Cisco Set-top Codecs

- Fits Cisco Set-top Codecs
- Welded aluminum construction strength
 - Cables and connectors concealed from view
 - Mounting hardware included



Thin Profile Wall Mount Bracket for Cisco Set-top Codecs
535-2000-250

Thin Profile Wall Mount Bracket for Cisco WAVE II or Polycom PowerCam

- Fits Cisco WAVE II or Polycom PowerCam
- Mounting hardware included
 - Mounts to drywall or 2-gang electrical box



Thin Profile Wall Mount Bracket for Cisco WAVE II or Polycom PowerCam
535-2000-219

Thin Profile Wall Mount Bracket for Polycom VSX Codecs

- Fits VSX-7000, VSX-6000 and VSX-5000 Codecs
- Fits Polycom VSX Set-top Codecs
 - Heavy gauge steel construction
 - Mounting hardware included
 - Mounts to drywall or 2-gang electrical box



Thin Profile Wall Mount Bracket for Polycom VSX Codecs
535-2000-220

Thin Profile Wall Mount Bracket for Polycom EagleEye/EagleEye II/EagleEye III

- Fits Polycom EagleEye/EagleEye II/EagleEye III
- Heavy gauge steel construction
 - Mounting hardware included
 - Mounts to drywall or 2-gang electrical box



Thin Profile Wall Mount Bracket for Polycom EagleEye/EagleEye II/EagleEye III
535-2000-221

Thin Profile Wall Mount for Sony EVI-HD3V and EVI-HD7V Pan/Tilt/Zoom Cameras

- Fits Sony EVI-HD3V and Sony EVI-HD7V
- Heavy-gauge steel
 - Mounting hardware included
 - Mounts to drywall or 2-gang electrical box



Thin Profile Wall Mount for Sony EVI-HD3V and EVI-HD7V
535-2000-232

Thin Profile Wall Mount Bracket for LifeSize® HD Camera

- Fits LifeSize HD Camera
- Heavy gauge steel construction
 - Mounting hardware included
 - Mounts to drywall or 2-gang electrical box



Thin Profile Wall Mount Bracket for LifeSize HD Camera
535-2000-222

Thin Profile Wall Mount Bracket for LifeSize 10X Camera

- Wall mount for LifeSize 10x camera (Black)
- Mounting hardware included



Thin Profile Wall Mount for LifeSize 10x Camera
535-2000-234

IN-Wall for LifeSize 10X Camera

- Recessed camera enclosure for LifeSize 10x camera only
- Includes metal back box enclosure and face frame
 - Reinforced camera platform for rigidity and strength



IN-Wall for LifeSize 10x Camera
999-2225-220

IN-Wall Enclosure for Videoconferencing Cameras

The IN-Wall Enclosure for the Polycom EagleEye, LifeSize HD and Cisco Precision HD Cameras is designed and sized to fit the entire PTZ camera system including the camera and its respective cabling systems.

- Fits Polycom EagleEye/EagleEye II, LifeSize HD and Cisco Precision HD 720 and Cisco Precision HD 1080
- Includes metal back box enclosure, camera platform and face frame
- Reinforced camera platform for rigidity and strength
- Powder coated white



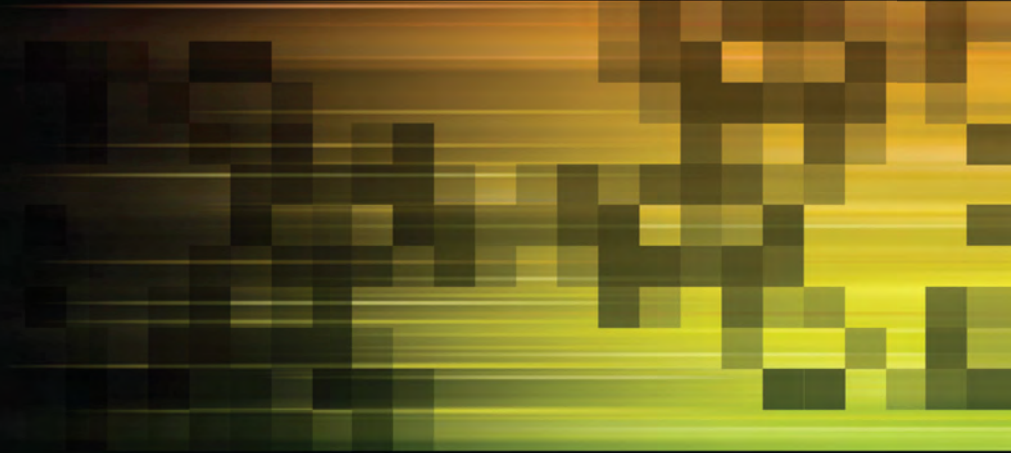
IN-Wall Polycom EagleEye
999-2225-015



IN-Wall for LifeSize HD
999-2225-015



IN-Wall Cisco Precision HD Cameras
999-2225-015



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