

AV Bridge

Bring Room AV Devices into the digital Domain with Vaddios AV Bridge



Vaddio's new AV Bridge is a room based HD Media Streaming appliance enabling IP or USB steaming of content originating from audio and video equipment. Key benefits of the AV Bridge include:

- Capture & Stream meeting, lectures, worship service directly to PC (USB) or Network (IP)
- Supports High Definition (HD) encoding of video & audio sources
- Produce superior quality recordings and live streams at fraction of the cost of other products.
- Seamlessly integrates with Vaddio's HD Cameras, Presentation Systems, and Audio products.
- Easy to use with Plug & Play functionality

The AV Bridge combines the capabilities of PC capture devices with that of IP streaming devices to create an affordable, single solution to digital enable collection, recording, and distribution content within meeting rooms, lecture halls and houses of worship. Both USB & network streaming functions are based upon open standards allowing easy integration with existing network infrastructure, services, or software applications for recording, publishing and delivery media to the Wide Area Network.

The AV Bridge incorporates open standards H.264 /MPEG4/AVC network streaming protocols compatible with QT, Windows Media and VLC players. Streaming via HLS or RTSP for live events, delivers content of the meeting to the masses. The USB streaming functions utilize MJPEG and standard UVC and UAC drivers eliminating the need for custom software drivers to be installed on the PC. The USB streaming capabilities facilitates using the room's AV system for PC-based unified communication software such as Skype, Microsoft Lync and Google+. The AV Bridge emulates a web cam and USB audio device making PC conferencing or recording a simple plug and play operation.

The AV Bridge is designed for pro AV applications offering flexible audio and video interfaces and customizable configurations accessible from the embedded web server or front panel menu system. The AV Bridge includes three switchable video inputs to include HDMI, RGB and standard definition along with a stereo pair of audio channels selectable between balanced or unbalanced line level inputs. The AV Bridge accepts a multitude of video resolutions ranging from 1080p/60 to VESA resolutions use with PC screens. Automated video processing functions from scaling to color corrections simplifies configuration while maintaining the highest possible video quality. An advanced high definition H.264 encoder offers the installer the ability to optimize stream for desired bit rate, resolution and frame rate. Predefined encoding presets allow one-button activation of the most popular streaming profile to quickly transition the room's application for the next meeting.



INCLUDES

- AV Bridge Streaming Appliance
- USB Cable
- 12 VDC PowerRite™ Power Supply
- Documentation

TECHNICAL FEATURES

Flexible Application Use

AV Bridge supports USB or IP streaming for Lecture Capture, Content Delivery, or PC Conferencing applications. Affordable room-based lecture capture solution. No need to have two appliances, one for USB capture and another network streaming

High Definition A/V Encoder

IP Streaming enables up to 1080p/30 using H.264/AAC. Or stream directly to PC with USB for 720p/30 sources using MJPEG encoding with PCM uncompressed audio.

Integrates with Vaddio Endpoints

Seamlessly interfaces with Vaddio AutoPresenter, PTZ Cameras, and EasyTalk Audio products. AV Bridge is also compatible with most A/V equipment that may be within the room and software based

Simple User Interface and Control

Front panel menu and controls with application specific configurations reduces the user complexity without compromising flexibility

Switchable Audio and Video Inputs

User selectable video and audio inputs allows multiple sources to be connected to AV Bridge at the same time. User simple changes source inputs as needed during the presentation or lecture.

Audio and Vaddio Content Devices



TECHNICAL FEATURES CONTINUED

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| Emulates USB Webcam and Microphone Device | AV Bridge can be used with software based Lecture Capture, Recording, or Unified Communication applications. Interoperability problems are minimized by implementation of standards based UVC & UAC drivers. Simple connect to PC and begin streaming content. |
| Automated Signal Processing | Automated video & audio processing insures media quality is maintained without need for user intervention. |
| Uses Common Media Player for Playback | IP Streams are standard based MPEG4 allowing playback of content on market leading players like Windows Media Player, Quick-Time, or VLC. No need for load custom media player on your PC. |
| Made in USA | The AV Bridge Interface is made in the USA, at Vaddio headquarters, Minneapolis, Minnesota. |

TECHNICAL IMAGES



Rear Panel Connections

SPECIFICATIONS

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| Part Numbers | AV Bridge 999-8210-000 (North America) AV Bridge 999-8210-001 (International) |
| Encoding | Video Encoding: MPEG4/H.264 (IP) or MJPEG (USB) Resolution: Up to 1080p/30 (IP) or 720p/30 (USB) Audio Encoding: AAC(IP) or PCM(USB) Bit Rates: Up to 8 Mbps (IP) |
| Supported Media Players | Windows Media Player, QuickTime, VLC media player (IP Streaming) |
| Video Inputs | Connectors: HDMI, BNC, HD DB-15 Supported Resolutions: <ul style="list-style-type: none"> HDMI: 1080p, 720p, 1080i (60/59.94/50 frames/s) RGBHV: 1280X720, 1280X768, 1680X1050 (VESA Resolutions) CVBS: 480i/29.97 NTSC, 576i/25 PAL |
| Video Processing | Auto Scaling, Noise Filter, Deinterlacing |
| Analog Input | Connector: XLR (Balanced) & RCA (Unbalanced) Impedance: 50 ohm (Balanced) & 10Kohm (Unbalanced) Nominal Level: +4dBu (Balanced) & -10dBu (Unbalanced) |
| Audio Processing | Compressor, EQ Filter |
| USB Interface | Connector: Type-B Type: USB 2.0 Compliant Support Drivers: Standard UVC, UAC, RNDIS device (no custom drivers required) |
| Network Interface | Connector: RJ45 Type: 10/100 Base-T Supported Protocols: HLS Streaming, RTSP Streaming, HTTP Server (Configuration), DHCP, DNS, NTP |
| RS-232 Port | Connector: DB-9 Baud Rate: 38.4 Kbaud Protocol: Vaddio ASCII command protocol for use with AMX or Crestron control systems |
| User Controls and Configuration | Front Panel LCD & Controls- High use functions such as presets, volume, streaming modes Embedded Web Server: Advanced configuration & programming (intended for Administration) Rear Panel Dip Switch- Factory Default |
| Power Supply | Connector: 5.5mm OD X 2.5mm barrel Supply: 12VDC, 3.0 amp, Autoswitching |
| General Information | |
| Operating Temperature | 32° to 104° F (0° to 40° C) |
| Power Consumption | Maximum 36 watts |
| Dimensions (HxWxD) | 16.73" W X 7" D X 1.72" H |
| Weight | 3.141592 lbs (1.425 kg) |

Learn more about our complete line of cameras and camera control equipment at 800-572-2011 or vaddio.com

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