

Vaddio™ StreamVIEW™ FAQ's



Q. What is the video resolution of the StreamVIEW?

A. The StreamVIEW can be set to either NTSC or PAL formats. The resolutions of each format are:

Selectable NTSC Resolutions

- 704x480
- 704x240
- 352x480
- 352x240

Selectable PAL Resolutions

- 704x576
- 704x288
- 352x576
- 352x288

Q. What bandwidth is required for good quality video with audio?

A. If the user has broadband access, they should never have problems viewing live images from the StreamVIEW. If the user doesn't have broadband, the images cannot be viewed as smoothly. To address this issue, the StreamVIEW can be configured to output two separate streams (dual-streaming) to accommodate both the broadband users and the narrowband users, for example:

- For Broadband users: 704x480 (NTSC), 30fps, VBR*, High Quality
704x576 (PAL), 25fps, VBR, High Quality
**VBR = Variable bit rate*
- For Narrowband users: 352x240 (NTSC), 7 fps, CBR**, 100kbps
352x288 (PAL), 5fps, CBR, 100kbps
***CBR = Constant Bit Rate*

Accordingly, the StreamVIEW Viewer Software will allow the user to select either the high bandwidth or the low bandwidth stream depending on their own network connection and speed, optimizing the video and audio quality given the available network bandwidth.

Q. When recording a video stream with audio, where is the audio file saved?

A. When recording StreamVIEW files from NVR or Communicator software, the file is saved into two proprietary files types, one for video and one for audio. At this time, these files are not exportable for use with any other MPEG4 device. The two files will be stored in the directory in a user-defined folder. The .csm file is the video file (MPEG4) and the .csa file is the audio file (G.723) and these files are automatically linked together. For playback, only the .csm file needs to be selected and the .csa file will always be linked.

Q. What port is used for bi-directional audio?

- A. The StreamVIEW Audio can be set up in the following configurations:
- Disable – No audio present in the stream
 - Audio Enable – Audio out only (Server → Client)
 - Interactive Audio Enable – Two-way audio (Server ↔ Client, point to point)

The StreamVIEW has a microphone input (mic level – unbalanced) for the Server audio input side and the Client/Viewer side can use a mic attached to their computer. In bi-directional or Interactive mode, the users at both the Server and Client sides may communicate freely over the StreamVIEW network connection. The StreamVIEW also has an audio output for powered speakers or larger audio systems in order to listen to the Client side audio in a bi-directional audio session. Finally, the network port for the video and audio stream are the same port.

Q. Can you disable the ability to control the camera and just view the stream? If it is possible, how is this displayed?

- A. From the administrator's software, the viewer can be restricted from operating certain StreamVIEW controls. For example, the administrator can disable the ability of the viewer to control the camera by the password issued. The controls are still visible, however if the viewer tries to access the camera or other restricted controls, the software will indicate that the viewer does not have the proper authority.

Q. What robotic PTZ camera systems are controllable with the Vaddio StreamVIEW?

- A. The following PTZ cameras are controllable via RS-232:
- Sony® EVI-D100
 - Vaddio WallVIEW 100 PTZ, Model 100 PTZ Kit, PTZCAM 100,
 - Sony EVI-D70
 - Vaddio WallVIEW 70 PTZ, Model 70 PTZ, PTZCAM 70, CeilingVIEW 70 PTZ
 - Sony BRC-300
 - Vaddio WallVIEW 300 PTZ
 - Canon® VC-C50i and VC-C50iR
 - Vaddio WallVIEW 50i PTZ, Model 50i PTZ, CeilingVIEW 50i PTZ
 - Canon VC-C4 and VC-C4R

Q. What other component PTZ cameras are controllable with the Vaddio StreamVIEW?

- A. The following cameras and components are also controllable:
- Wonwoo PT-101 (RS485),
 - Technovision SECUMERA_PRO (RS485),
 - LG Electronics LPT-A100L (RS485),
 - ShinTech SD-290(RS485),,
 - Dongyang Unitec DRX-500,DRX-502A,DOH-240 (RS485), DSC-230Si,DSC-270Si,DOH-240Si (RS485),
 - Hitron Fastrax2 (RS485).
 - IZRobotics A.I Robot TOBO [T-010](RS485)
 - CNB Technology AN201L (RS485)
 - Sunkwang SK-D106 (RS485)
 - TYCO/CTNCOM HD-0670 (RS485)
 - SAMSUNG SRX-100B/SPT-5IO/SCC-C4201 (RS485)
 - PELCO PELCO-D 2400, PELCO-D 9600 (RS485)

Q. How much hard drive storage does the StreamVIEW need to record and playback a presentation?

- A. For a recorded presentation that is one hour in length, the StreamVIEW files use about 500MB of hard drive space. The total amount of storage is dependent on the type of subject matter recorded. For example, a sporting event will take up more storage space than a business presentation because of the amount of motion involved in the sporting event.

Q. What are the characteristics of the audio input?

- A. The audio input is a microphone level input that is unbalanced, high impedance with level controls available in the Administrator software under the Video and Audio Settings menu. When using a line level source without a volume control with the mic input, a line to mic level adapter may be needed to reduce the line level down to mic level. Using a line level device with a volume control (i.e. portable CD player, computer, iPod) and the level controls in the StreamVIEW Software, the line level device can typically be set low enough to use the mic input effectively.

Q. How many users can view a streamed presentation or event on the StreamVIEW?

- A. The StreamVIEW can support up to 50 simultaneous users. For more users than 50 at any given time, it is recommended that an outside streaming service be used to supply the access required for larger audiences.

Q. In an interactive audio stream with a two-way audio configuration, does the StreamVIEW supply echo cancellation?

- A. In an interactive audio stream, the StreamVIEW does not supply echo cancellation like a video conferencing codec. The two-way audio call in this example is point-to-point only, and the use of headphones is generally recommended to acoustically isolate the near end (server) audio from the far end (client) audio. Microphones that have on/off switches also help acoustically isolate the audio signals. When the audio in an interactive call is not being used, the mics should be turned off.