

Benefits of using SoundStructure™ with Polycom® HDX



Polycom SoundStructure



Polycom HDX 9000

SoundStructure & Polycom HDX: The UltimateHD™ Experience

Polycom HDX 9000 delivers true high definition video conferencing designed for integration professionals. Polycom SoundStructure delivers a truly immersive audio experience that sets a new standard for ease of configuration and installation. When combined together, they deliver the UltimateHD experience for installed rooms, with natural, life-like voice and video conferencing that raises productivity to a whole new level.

Designed For Seamless Integration

The SoundStructure and HDX systems have been designed to work together seamlessly. When connected through the ConferenceLink2 (C-Link2) cable, each unit automatically discovers and recognizes the other, and configures itself for optimal audio quality. Fully digital audio is transmitted between the units without needing to convert to analog signals, ensuring crystal-clear sound. SoundStructure also extends the benefits of StereoSurround™ and Siren™ 22 which are built into Polycom's HDX system.

Extend HD Voice to your HD Video Experience

In addition to full compatibility with the audio features built into Polycom HDX, SoundStructure delivers many additional audio features that benefit HD video deployments in any size conference room:

- Customizable audio matrix for any custom signal routing of inputs to outputs
- Configurable noise reduction technology eliminates a broader range of background noises
- Feedback reduction technology enables much greater flexibility when designing and configuring the audio for in-room reinforcement applications
- Gain sharing microphones create smoother transitions between talkers for more natural conversations among all participants
- Advanced equalization options allow far greater flexibility in designing the room audio
- Dynamics processing results in more consistent, pleasing audio levels for all participants
- Use the HDX microphones individually or collectively for room combining applications
- Advanced telephony configuration options provide much greater control over how audio-only participants sound



Scalability for Larger Rooms

For Polycom HDX applications in large environments, SoundStructure enables greater numbers of microphones and loudspeakers to be used, optimizing the audio experience for all participants, providing unprecedented flexibility for room combine and divide applications, and simplifying sound reinforcement applications. SoundStructure's OBAM™ matrix architecture enables up to 8 SoundStructure units to work together seamlessly, with up to 128 inputs and outputs for robust audio even in the largest meeting spaces.

Direct Integration with Polycom HDX Microphone Options

In addition to direct integration with HDX, SoundStructure can also connect directly to the Polycom HDX microphone array and HDX Ceiling Microphone Array. In environments where HDX is being used, simply connect the HDX microphones or HDX Ceiling Microphone Array directly to SoundStructure to take advantage of SoundStructure's advanced audio processing and performance. SoundStructure recognizes the microphones after they are plugged in and automatically configures the audio settings to maximize microphone performance. Up to four HDX microphones or HDX Ceiling Microphone Arrays can be connected at a time, or mix-and-match them with analog microphones.

Even in audio-only environments where HDX is not being used, the HDX microphones or HDX Ceiling Microphone Array can still be directly integrated with SoundStructure, delivering a high-performance installed audio solution that you can get up and running quickly.



Polycom HDX Microphone Array



Polycom HDX Ceiling Microphone Array