



eGuide: Simplifying Large Meeting Spaces for Video Conferencing

Buyer Guide.

Essentials for Large Video Conferencing Meeting Spaces

Everyone knows that video collaboration is an essential tool for businesses in today's interconnected world. So, it's important to get your video meeting set up right, especially in large meeting spaces that call for more than just a mic and a webcam. Large spaces need purpose-built audio and video equipment, designed with the user-experience at heart. Let's take a closer look at how to make your video-enabled space a success.

High Quality Video

A successful setup begins with selecting easy-to-install hardware to seamlessly integrate with your video collaboration platform, such as Zoom or Microsoft Teams. Cameras with wide-angle lenses and powerful zoom capabilities ensure that all participants are visible, even in expansive rooms. High-resolution cameras with advanced features such as auto-framing and tracking can enhance the meeting experience by focusing on the active speaker or dynamically adjusting to include all participants. This ensures that remote attendees can see and engage with the meeting as if they were physically present.



Exceptional Audio

Audio quality is arguably even more critical than video in a large meeting space. Poor audio can lead to reduced engagement, misunderstandings, and overall frustration. High-fidelity microphones are essential to capture voices clearly from different parts of the room. These microphones should be strategically placed to avoid dead zones where voices might not be picked up effectively. Beamforming microphone arrays, which focus on the direction of the speaker, can significantly improve audio clarity by reducing background noise and echo.

Speakers must be powerful enough to ensure that everyone in the room can hear the remote participants clearly, without distortion or volume issues. In larger rooms, it may be necessary to deploy multiple speakers to provide even sound distribution. Acoustic treatments such as sound-absorbing panels can also help minimize echo and improve overall sound quality.

Good Acoustics

The physical characteristics of the meeting room play a significant role in audio quality. Large rooms often have issues with reverberation and echo, which can make it difficult for remote participants to hear clearly. To address this, consider the following:

Acoustic Panels: Installing sound-absorbing panels on walls and ceilings can significantly reduce echo.

Carpeting and Soft Furnishings: These can help dampen sound and reduce reverberation.

Reliable Network

Robust network infrastructure is a non-negotiable component for effective video conferencing. A stable, high-speed internet connection ensures that video and audio streams are transmitted without lag or interruption. For large meeting spaces, it is recommended to use wired Ethernet connections rather than relying solely on Wi-Fi to guarantee reliability and performance.



User-Friendly Interface

An intuitive control system is necessary to manage the meeting smoothly. This includes the ability to easily adjust camera angles, control audio levels, share content, and switch between different input sources. The interface should be simple enough for any user to operate without extensive training, ensuring that the technology enhances the meeting rather than becoming a distraction.

By focusing on these essentials, you can create a large meeting space that supercharges your video meetings, ensuring all participants can communicate clearly - without any compromises.





Enhancing Large Meeting Spaces with Neat Devices

Neat's innovative devices and solutions, make equipping large meeting spaces simple and hassle-free. Neat Bar Pro and Neat Center, plus Neat's partnership with audio pioneers Shure, delivers an unparalleled meeting experience like nothing you've seen before.

33 ft / 10 m

70°

113°

Neat Bar Pro

Neat Bar Pro, a Red Dot Design Award-winning device, is a powerhouse for video collaboration. It features a wide-angle, telephoto lens with a 16x zoom and an image depth sensor, ensuring clear and detailed visuals even in large rooms up to 10 m / 33 ft. Neat's patented Neat Symmetry auto-framing technology enhances the experience by automatically framing, zooming, and tracking participants, making sure everyone is equally visible.

For audio, Neat Bar Pro boasts a sophisticated system with a subwoofer and three full-range speakers that deliver direct stereo sound. Its advanced 16x microphone array captures voices clearly throughout the room, while Neat Audio Processing minimizes background noise.



Neat Center

Complementing Neat Bar Pro is the Neat Center, a companion device that extends audio and video capabilities in large rooms. Neat Center features a 360° 3x lens camera and a 16x omnidirectional mic array, dynamically analyzing the room to ensure remote participants feel like they are in the center of the conversation. Its flexible design allows it to be positioned anywhere in the room, ensuring optimal coverage and clarity.

It extends the camera and microphone pickup range by 5 meters / 16 feet optimizing the audio and video experience for that large room space.

Go Further with Neat and Shure

For large boardrooms or spaces where VIP participants need to be seen and heard from anywhere in the room, Neat's partnership with acoustic leaders Shure guarantees crystal-clear audio coverage. Take Shure's Microflex Advance MXA902 Integrated Conferencing Ceiling Array and ANIUSB-MATRIX USB Audio Network interface for example. They take your meeting to the next level, while integrating seamlessly with Neat devices.

For conferencing environments like all-hands training rooms and divisible spaces, the combination of Neat Bar Pro with the popular Shure Microflex Advance MXA920 Ceiling Array Microphone, an IntelliMix® P300 Audio Conferencing Processor and MXN5W-C Networked Loudspeaker, provides advanced features and functionality for a consistent and scalable solution.

Meanwhile, Neat Bar Pro and Neat Center, along with Shure's Microflex Ecosystem solutions, provide a scalable and reliable solution for large meeting spaces.



MXA902

Networked Ceiling Array Microphone +
Loudspeaker



ANIUSB-MATRIX

ANIUSB-MATRIX USB Audio Network
Interface with Matrix Mixing



MXN5W-C

Networked Loudspeaker



IntelliMix P300

Audio Conferencing Processor





Neat: A Brand That Delivers High-Quality Video Conferencing Solutions

Put simply, Neat's game-changing video collaboration devices have clear advantages when it comes to deploying video for large meeting spaces with simplicity in mind. But don't just take our word for it. Head over to [neat.no](https://www.neat.no) where you can find out what our customers have to say, and learn more about our industry-leading technology.

[Request a demo](#)