Home Office

"Home office" has become a common phrase in households worldwide with the proliferation of remote working. The term refers to spaces serving a variety of purposes including working professionals hosting business meetings or collaborating with their colleagues. In either situation, a robust professional home conferencing AV configuration provides better meeting experiences over that of the typical laptop or computer on its own.

Needs Assessment

Purpose   Create an easy-to-use home AV system compatible with popular video conferencing software

Display   Flat panel display of sufficient size for critical viewing of meeting content as well as remote participants

Source   User laptop

Camera   Provide video capture performance that is superior to the native capabilities of the laptop

Audio   Provide superior speaker and microphone performance over the native capabilities of the laptop

Connections   Interfacing with the AV system should be simple, with minimal cable connections

AV Routing and Extension

Most homes are not designed with optimal business meetings as a priority. However, many of us are having to rethink that strategy, and adapt existing spaces to support remote working. Some common technologies combined with Atlona components can help these spaces perform at levels that benefit working professionals.

Adding the Atlona **AT-OME-EX-KIT-LT** to a room with a large flat panel display allows the user to take advantage of superior video performance as compared to the laptop. The larger screen allows more detailed viewing of business presentations as well as greater interaction with remote participants.

The OME-EX-KIT-LT is a transmitter and receiver pair that extends HDMI and USB signals over distances up to 230 feet (70 meters), allowing maximum flexibility for arranging the laptop and display in the room. It also interfaces with the Atlona **AT-CAP-FC110** ePTZ camera with USB, as well as the Atlona **AT-CAP-SP100** USB speakerphone to enhance video capture and sound capabilities.

To facilitate quick and easy swaps between work and personal devices, simple HDMI and USB connections are all that is required for connecting a laptop. This prevents the hassle of plugging and unplugging multiple peripherals as well as concerns over availability of enough USB ports on modern laptops.
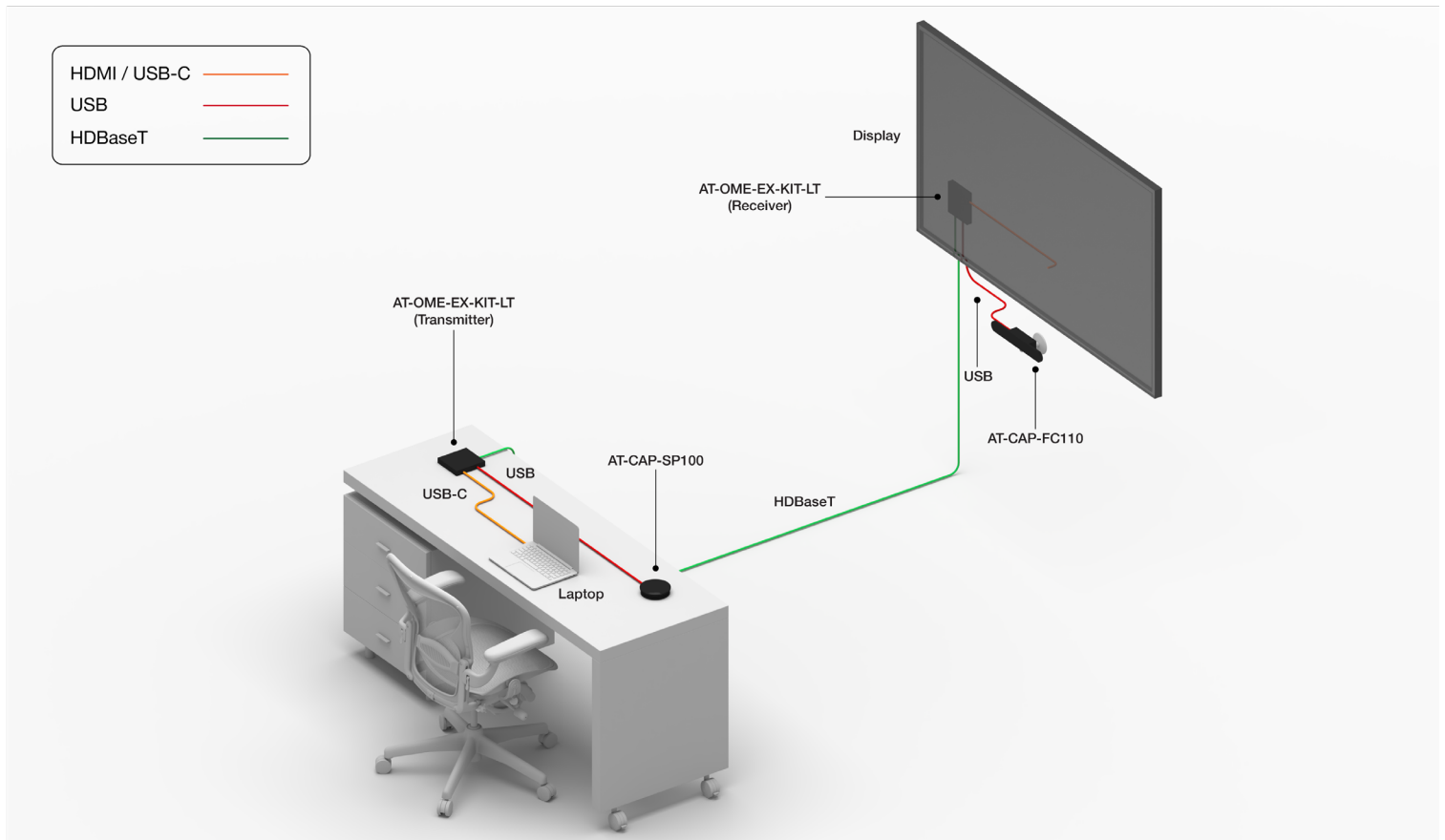
USB

A key element of this solution is its integration of USB to provide a superior video conferencing experience over native laptop resources for popular applications including Zoom, Microsoft Teams, Cisco® Webex®, BlueJeans, and GoToMeeting®. When users connect their laptop USB to the system, they gain access to the high-resolution camera and conferencing grade speakerphone with a single connection, no matter where the components are located in the room.

Camera

The Captivate™ AT-CAP-FC110 delivers professional-quality video that is far superior to a conventional webcam. This camera offers a wide horizontal field of view and features electronic pan, tilt, and zoom capabilities, as well as an auto-framing functionality that detects and then optimally resizes and centers the presenter in-frame.

Audio

Hearing and being heard clearly are critical in business communications. The microphone in the Captivate AT-CAP-SP100 speakerphone provides better coverage and quality than the typical laptop, as well as more flexible placement for optimal pickup. The built-in speaker offers superior coverage and clarity over laptop speakers.

Home Office Bill of Materials

QTY	Description	SKU
1	Omega™ HDBaseT TX/RX for HDMI with USB	AT-OME-EX-KIT-LT
1	Captivate 4K ePTZ Auto-Framing Camera	AT-CAP-FC110
1	Captivate USB / Bluetooth Speakerphone	AT-CAP-SP100
	Display, laptop, miscellaneous cabling	Furnished by others

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