

# DESIGN STANDARD

## 274100D09 Standard Collaboration Space - Level 3 Equipment List

Revision: 1  
Modified: 4/29/2026



Engineered By:

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This document in addition to the attached set of plans serve as an Audio/Visual Reference Design Standard for the University of Kentucky's Collaboration Space - Level 3. This design is intended for meeting spaces of six or more people who wish to view documents on a large display and use video conferencing capabilities.

The Collaboration Space features a 85" flat panel display mounted on a wall or appropriate piece of furniture. The display is connected to a wireless presentation receiver which also serves as the controller for the space. The receiver enables students and staff using most Windows, Mac, iOS, and Android devices to present via Wi-Fi\* using the "eduroam" wireless network. The wireless receiver also turns the display on and off based on a customizable schedule.

\*When presenting via Wi-Fi, Windows devices use the built-in MiraCast (Win+K) feature. All Apple devices use the built-in Screen Mirroring feature. Android and ChromeOS devices use the built-in Casting feature.

### Level 3 Step-up Features and Equipment

A USB-C adaptor enables a direct wireless connection to the receiver without using the campus wireless network. This adaptor can also be permanently installed under a table with a USB cable passing through the tabletop for connection to devices. When connecting with the adaptor, the video resolution is 4K which is optimal for videos and building plans. Up to four adaptors can be used at the same time to show multiple devices on the display. An intelligent PTZ camera is mounted below the display. The camera will automatically track and frame speakers or the larger group. An in-ceiling microphone will allow every person in the room to speak to attendees at the far end of a conference call. Two in-ceiling speakers will play audio from presentations as well as attendees from the far end of a conference call. When a laptop is connected using the USB-C adaptor, the camera, microphone, and speakers are bridged to the laptop and can be used for conferencing in Teams and Zoom.

### Optional Features and Equipment:

Through coordination with ITS, each collaboration space can be setup as a room in Active Directory with its own calendar. When scheduling a meeting, the room is set as the location and is automatically reserved. The display in the room will show room availability and the next scheduled event.

Through coordination with Smart Campus, the display can show a Korbyt digital signage feed when a presentation is not in process.

An HDMI cable and/or wallplate can be provided for traditional wired connections from laptops. When the HDMI cable is connected, the wireless receiver will automatically present that device. When the HDMI cable is disconnected, the receiver will return to wireless presentation mode.

An occupancy sensor can be added to automatically power the display on when the room is in use, and power it off when not in use.

A 7" touch panel can be installed to provide manual control of the system including which device is presented, and display volume.

#### Revision History

4-29-2026

- Updated flat panel display to new model
- Updated optional touchpanel and its accessories to new models
- Updated speakers to new model
- Updated microphone to new model
- Changed IDF LAN drops to CAT6A F/UTP
- Added CAT6 patch cables to devices
- Removed all references of AirMedia connectivity to Guest network
- Added UK mounting bracket for AirMedia transmitter



**1 CRESTRON AM-3200-WF**  
AirMedia Wireless Presentation Receiver with HDMI Pass-through and Wi-Fi Network Connectivity



1 COMMSCOPE CO166S2-0ZF002  
Category 6 U/UTP Reduced Diameter Patch Cable, Blue, 2ft



100 COMMSCOPE UN874034704/10  
Category 6A F/UTP Cable, Plenum Rated, Blue



1 COMPREHENSIVE MHD48G-6PROBLK  
MicroFlex Pro AV/IT Integrator Series 8K 48G HDMI Cable, Jet Black, 6ft



**1 CRESTRON AM-TX3-100**  
AirMedia Series 3 Connect Adaptor



1 TRIPP LITE U421-006  
USB-C M-F Extension Cable, USB 3.2 Gen 1, Thunderbolt 3 Compatible, Black, 6 ft



1 UK AM-TX3-100 MOUNT  
Under-table Mount for Crestron AM-TX3-100

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**Alternates**



**1 CRESTRON AM-TX3-200**  
AirMedia Series 3 Connect Endpoint

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**1 SONY FW-85BZ30P**  
85" 4K HDR Professional Display, Non-Glare



1 CHIEF LSM1U  
Fusion Micro-Adjustable Fixed Wall Mount for 42"-86", 200lb Flat Panel Displays



1 CHIEF PAC525FCW  
In-Wall Storage Box with Flange and Cover, White



1 COMMSCOPE CO166S2-0ZF002  
Category 6 U/UTP Reduced Diameter Patch Cable, Blue, 2ft



1 COMMSCOPE CO166S2-0ZF005  
Category 6 U/UTP Reduced Diameter Patch Cable, Blue, 5ft



200 COMMSCOPE UN874034704/10  
Category 6A F/UTP Cable, Plenum Rated, Blue



1 COMPREHENSIVE MPS-MPS-6ST  
Standard Series 3.5mm Stereo Mini Plug to Plug Audio/Control Cable, Black, 6ft



1 MIDDLE ATLANTIC RLNK-215  
Select Series PDU with RackLink, 2 Outlet



**1**    **CRESTRON IV-CAM-I12-B**  
 1 Beyond Intelligent PTZ Camera, 12x Optical Zoom, Moon Gray



1            COMMSCOPE UC1BBB2-01F001  
 Category 6 U/UTP Patch Cable, Black, 1ft



100        COMMSCOPE UN874034704/10  
 Category 6A F/UTP Cable, Plenum Rated, Blue



1            COMPREHENSIVE USB3-AB-6ST  
 Standard Series USB 3.0 A Male To B Male Cable, 6ft



1            CRESTRON IV-CAMA-UMB-B  
 1 Beyond Universal Mount Bracket, Moon Gray



**1**    **EXTRON MPA 601-70V**  
 Mono 70V Amplifier, 60 Watts



3            EXTRON STP22/1000  
 22/2 Serial Control/Audio Cable, Black



**2**    **JBL CONTROL 426C/T**  
 6" In-Ceiling Speaker, Plenum Rated, 70/100V



200        EXTRON SPK16P/1000  
 16/2 Speaker Wire, Plenum Rated, Blue



**1**    **SENNHEISER TCC M-F-W**  
 Medium Ceiling Microphone Array, Flush Mount, White



2            COMMSCOPE UC1BBC2-0ZF005  
 Category 6 U/UTP Patch Cable, Plenum, Blue, 5ft



200        COMMSCOPE UN874034704/10  
 Category 6A F/UTP Cable, Plenum Rated, Blue



100    **EXTRON STP22P/1000**  
22/2 Serial Control/Audio Cable, Plenum Rated, Blue



**1    SHURE P300-IMX**  
Intellimix Digital Signal Processor with AEC, 2x2 Analog, 10x2 Dante, 1x1 USB, and 1x1 Mobile Device



1    **COMMSCOPE CO166S2-0ZF005**  
Category 6 U/UTP Reduced Diameter Patch Cable, Blue, 5ft



100    **COMMSCOPE UN874034704/10**  
Category 6A F/UTP Cable, Plenum Rated, Blue

## Control and AV Switching

### Additional Options



**1    CRESTRON CEN-ODT-C-POE**  
Dual-Technology Occupancy Sensor, PoE, 2,000 Sq Ft



**1    COMMSCOPE UC1BBC2-0ZF005**  
Category 6 U/UTP Patch Cable, Plenum, Blue, 5ft



**100    COMMSCOPE UN874034704/10**  
Category 6A F/UTP Cable, Plenum Rated, Blue



**1    CRESTRON TSW-880-W**  
8.1 in. Wall Mount Touch Screen, White



**1    COMMSCOPE CO166S2-0ZF001**  
Category 6 U/UTP Reduced Diameter Patch Cable, Blue, 1ft



**100    COMMSCOPE UN874034704/10**  
Category 6A F/UTP Cable, Plenum Rated, Blue



**1    CRESTRON TSW-880/1080-MSMK-ANG-W**  
Multisurface Mount Kit for TSW-880 and TSW-1080 Series, Angled, White