Extron

EXTRON – BOSCH INTEGRATED CONFERENCING

SYSTEM DESIGN GUIDE

Extron – Bosch Integrated Conferencing

In working with Bosch, Extron is streamlining meeting experiences and adding simple Unified Communication options to most modern workspaces. Now, using a single TouchLink Pro touchpanel, users can enjoy optimal integration of Extron Control with the CCS 1000 D Digital Discussion system or DICENTIS Wireless Conference System from Bosch and Zoom or MS Teams Conferencing. With a simple, customizable interface, users have full control over all the audio and video equipment in the room, as well as lighting, temperature, and shades.

Additionally, meeting organizers have control over all critical meeting functions via one device, including displays, projectors, audio systems, and light controls. They also have visibility of the status of all connected devices within the system, including information pertaining to delegate names, seat position, who is currently speaking, and more.

The following designs represent typical conference space scenarios showing system requirements, equipment lists, and capabilities starting with simple designs and progressing to more complex designs further on.

Solution Benefits

- Optimal integration of Extron Control with the CCS 1000 D Digital Discussion System or DICENTIS Wireless Conference System from Bosch along with Zoom or Microsoft Teams Conferencing
- Certified drivers provide reliable solutions and reduced deployment time
- Camera control integration - Automatically ensures the person speaking is clearly seen by everyone

BOSCH DIGITAL DISCUSSION SYSTEM WITH SINGLE-CAM ZOOM CONFERENCING SOLUTION

Requirements

Central meeting room with remote participants attending via Zoom. The central participants will use individual microphone devices for clear speech in the room, which is being distributed to the remote participants in the Zoom conference.

Pressing the microphone button will point the camera to the active speaker.

Single point of control for all room functions via simple touch panel.

Extron Equipment List

- TLP Pro 725T – 7” Touchlink Pro touchpanel
- MediaPort 200 – HDMI and Audio to USB Scaling Bridge
- IPCP Pro 250 xi – Control Processor

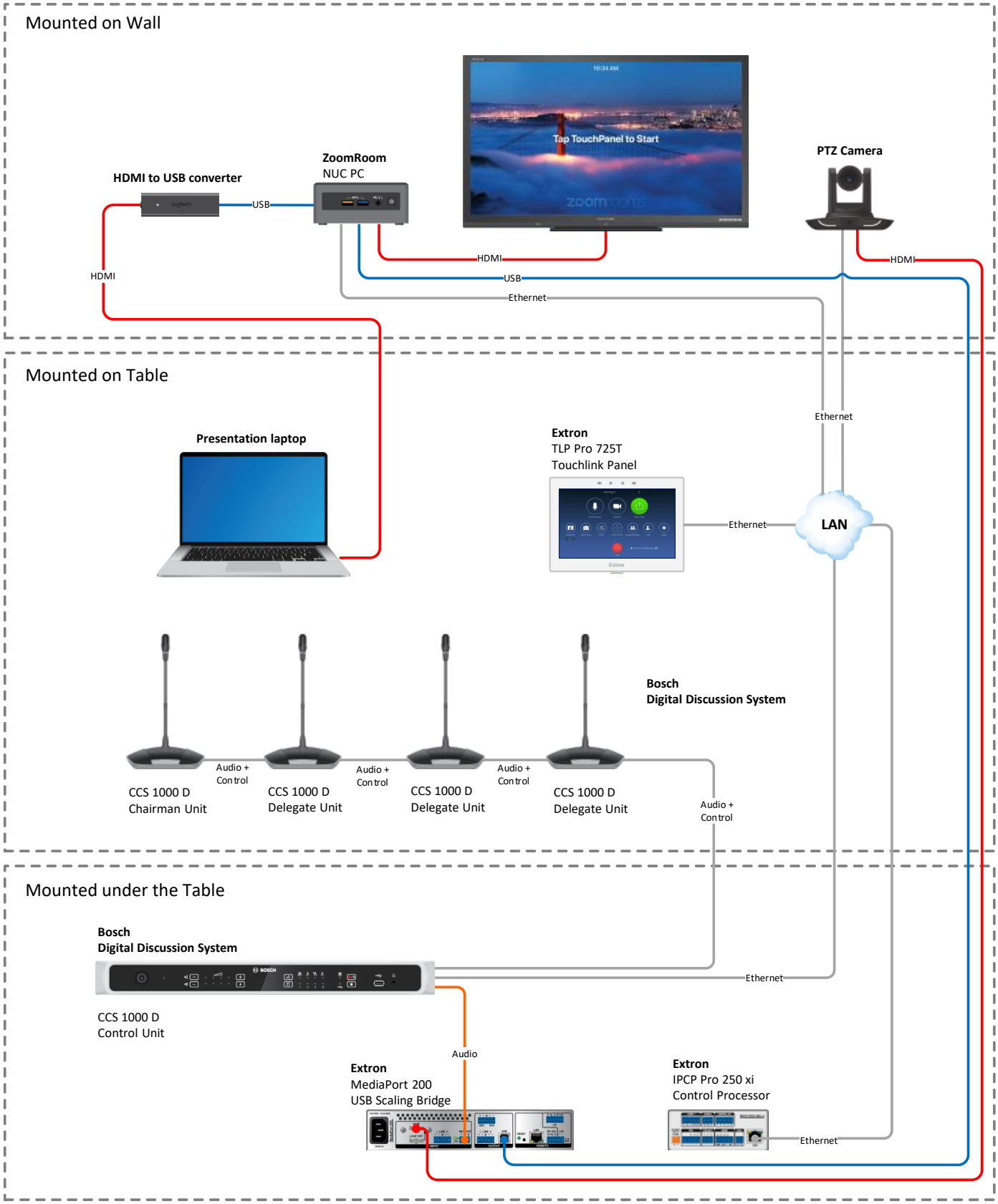
Bosch Equipment List

- CCS 1000 D – Discussion devices
- CCS 1000 D – Control units
- CCS 1000 D – System extension unit

Capabilities

- Zoom conferencing with individual microphones for optimal clarity and sound reinforcement
- Presentation of content in Zoom conference and to room audience locally
- Camera Preset Control possible via Conference Mic Button
- Single Point of Control for conferencing and room control via touch panel such as:
    - PTZ camera control
    - Display control
    - Zoom conference control
    - Lighting control
    - Shades Control
    - Temperature Control
    - Etc.

System Design



Requirements

Central meeting room with remote participants attending via MS Teams. The central participants will use individual microphone devices for clear speech in the room, which is being distributed to the remote participants in the MS Teams conference.

Pressing the microphone button will point the camera to the active speaker.

A touch panel will act a single point of control of conferencing and all AV equipment and lighting.

Extron Equipment List

- TLP Pro 725T – 7” Touchlink Pro touchpanel
- DMP Plus 64 C – 6x4 ProDSP Digital Matrix Processor
- IPCP Pro 250 xi – Control Processor with LinkLicense for UI

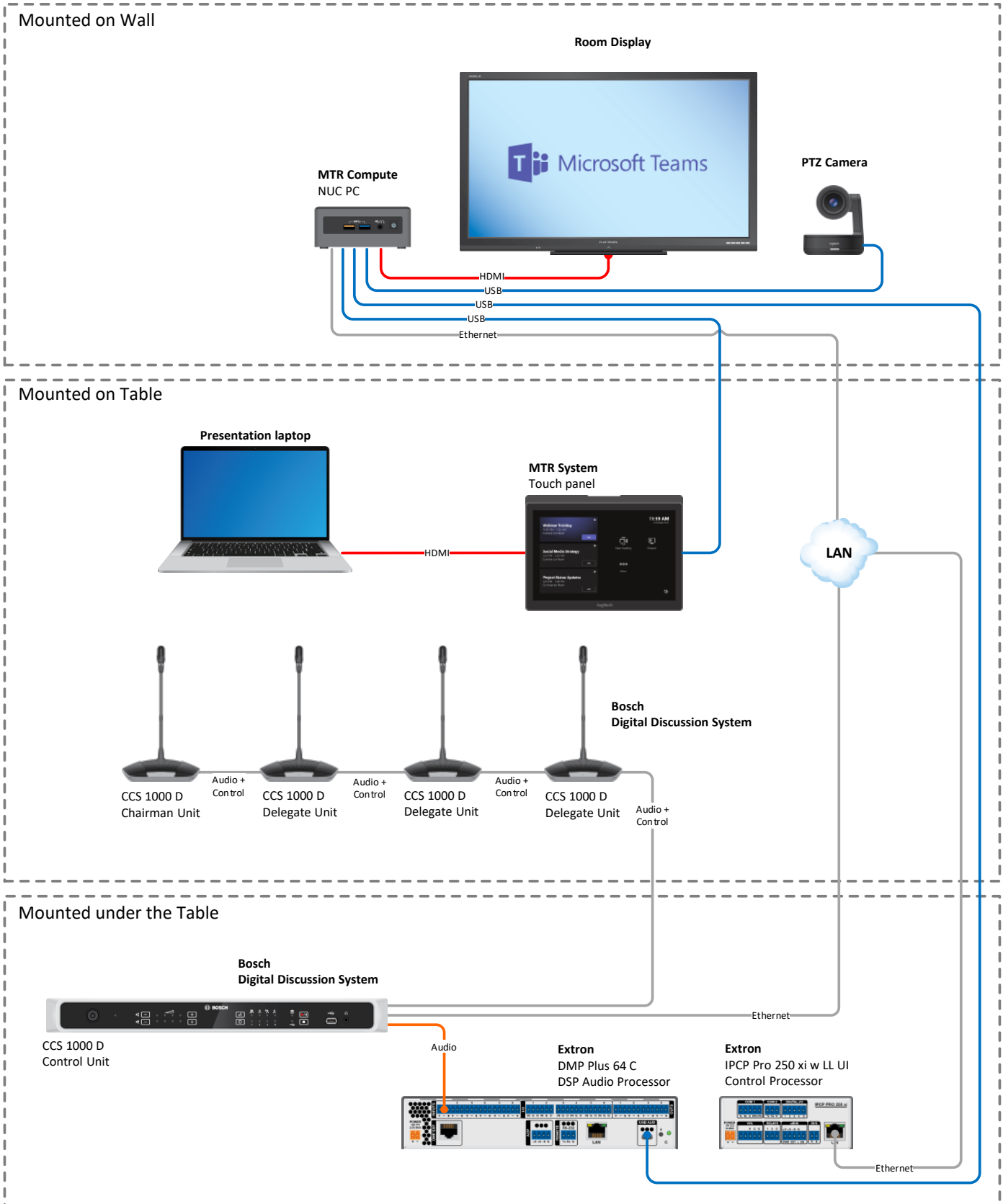
Bosch Equipment List

- CCS 1000 D – Discussion Devices
- CCS 1000 D – Control Units
- CCS 1000 D – System Extension Unit

Capabilities

- MS Teams conferencing with individual microphones for optimal clarity and sound reinforcement
- Presentation of content to in-person and remote participants via conferencing software
- Camera Preset Control possible via Conference Mic Button
- Switch between content from a laptop, document camera, or wireless device
- Single Point of Control for conferencing and room control via touch panel such as:
    - PTZ camera control
    - Display control
    - Lighting control
    - Shades Control
    - Temperature Control
    - Etc.

System Design



BOSCH DIGITAL DISCUSSION SYSTEM WITH SINGLE-CAM ZOOM CONFERENCING AND AV RECORDING

Requirements

Central meeting room with remote participants attending via Zoom. The central participants will use individual microphones devices for clear speech in the room, which is being distributed to the remote participants in the Zoom conference.

Pressing the microphone button will point the camera to the active speaker.

Single point of control for all room functions via simple touch panel.

Extron Equipment List

- TLP Pro 725T – 7” Touchlink Pro touchpanel
- MediaPort 200 – HDMI and Audio to USB Scaling Bridge
- IPCP Pro 250 xi – Control Processor
- DA2 HD 4K Plus – Distribution Amplifier

Bosch Equipment List

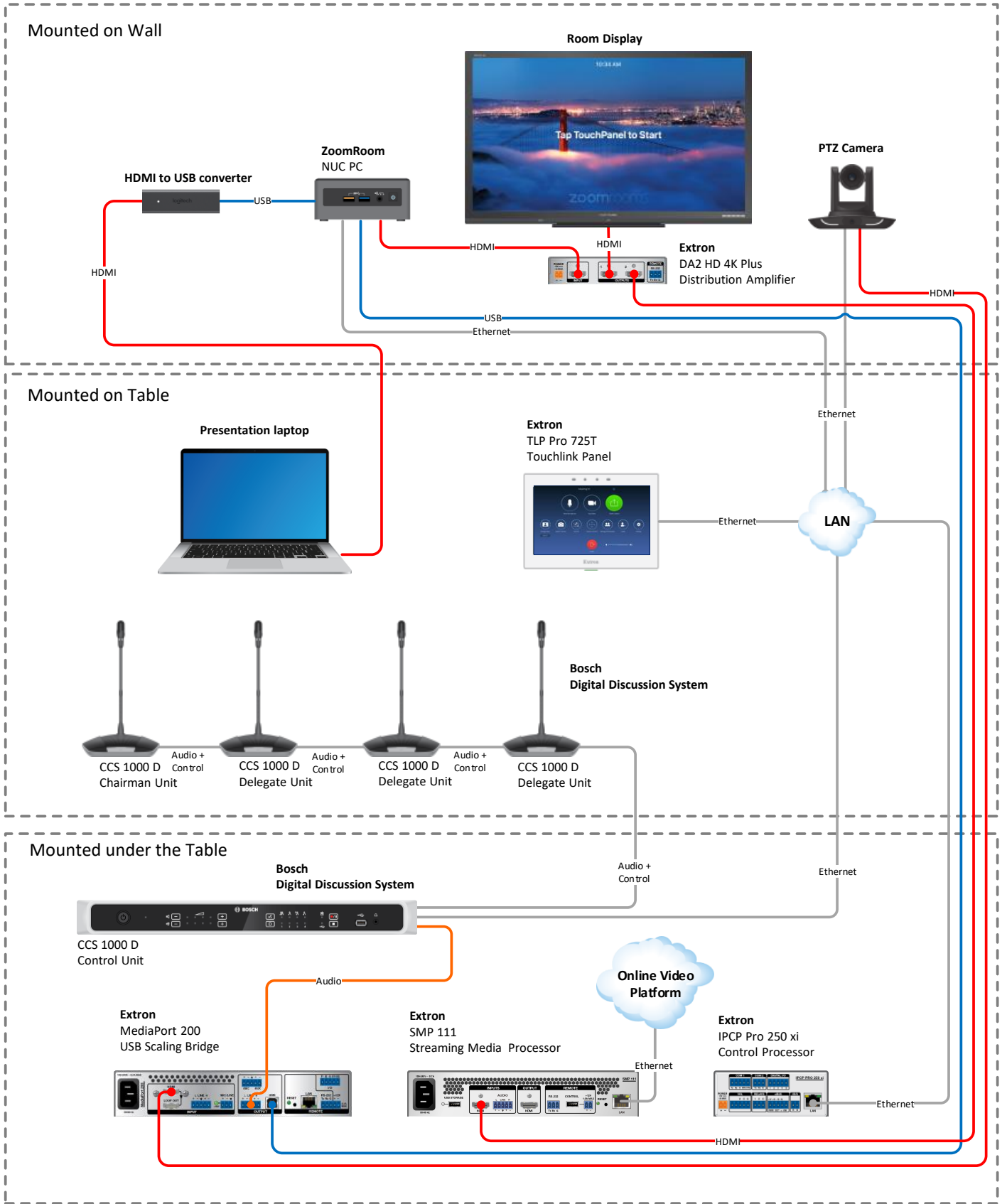
- CCS 1000 D – Discussion Devices
- CCS 1000 D – Control Units
- CCS 1000 D – System Extension Unit

Capabilities

- Zoom conferencing with individual microphones for optimal clarity and sound reinforcement
- Presentation of content in Zoom conference and to room audience locally
- Camera Preset Control possible via Conference Mic Button
- Single Point of Control for conferencing and room control via touch panel
    - PTZ camera control
    - Display control
    - Zoom conference control
    - Lighting control
    - Etc.
- AV Recording of Zoom conferences and classes
- Record and stream simultaneously
- Produce MP4 media files that are compatible with virtually any media player
- Advanced integration with video platforms such as Panopto, Kaltura, OpenCast and Yuja

BOSCH DIGITAL DISCUSSION SYSTEM WITH SINGLE-CAM ZOOM CONFERENCING AND AV RECORDING

System Design



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USB Video Audio Control

BOSCH DIGITAL DISCUSSION SYSTEM WITH SINGLE-CAM MICROSOFT TEAMS CONFERENCING AND AV RECORDING

Requirements

Central meeting room with remote participants attending via MS Teams. The central participants will use individual microphones devices for clear speech in the room, which is being distributed to the remote participants in the MS Teams conference.

Pressing the microphone button will point the camera to the active speaker.

Both online Teams meetings and in person meetings can be recorded and made available an online video platform.

Single point of control for all room functions via simple touch panel.

Extron Equipment List

- DMP 64 Plus C – 6x4 ProDSP Digital Matrix Processor
- IPCP Pro 250 xi – Control Processor with LinkLicense for UI
- SMP 111 – Streaming Media Processor
- DA2 HD 4K Plus – HDMI Distribution Amplifier

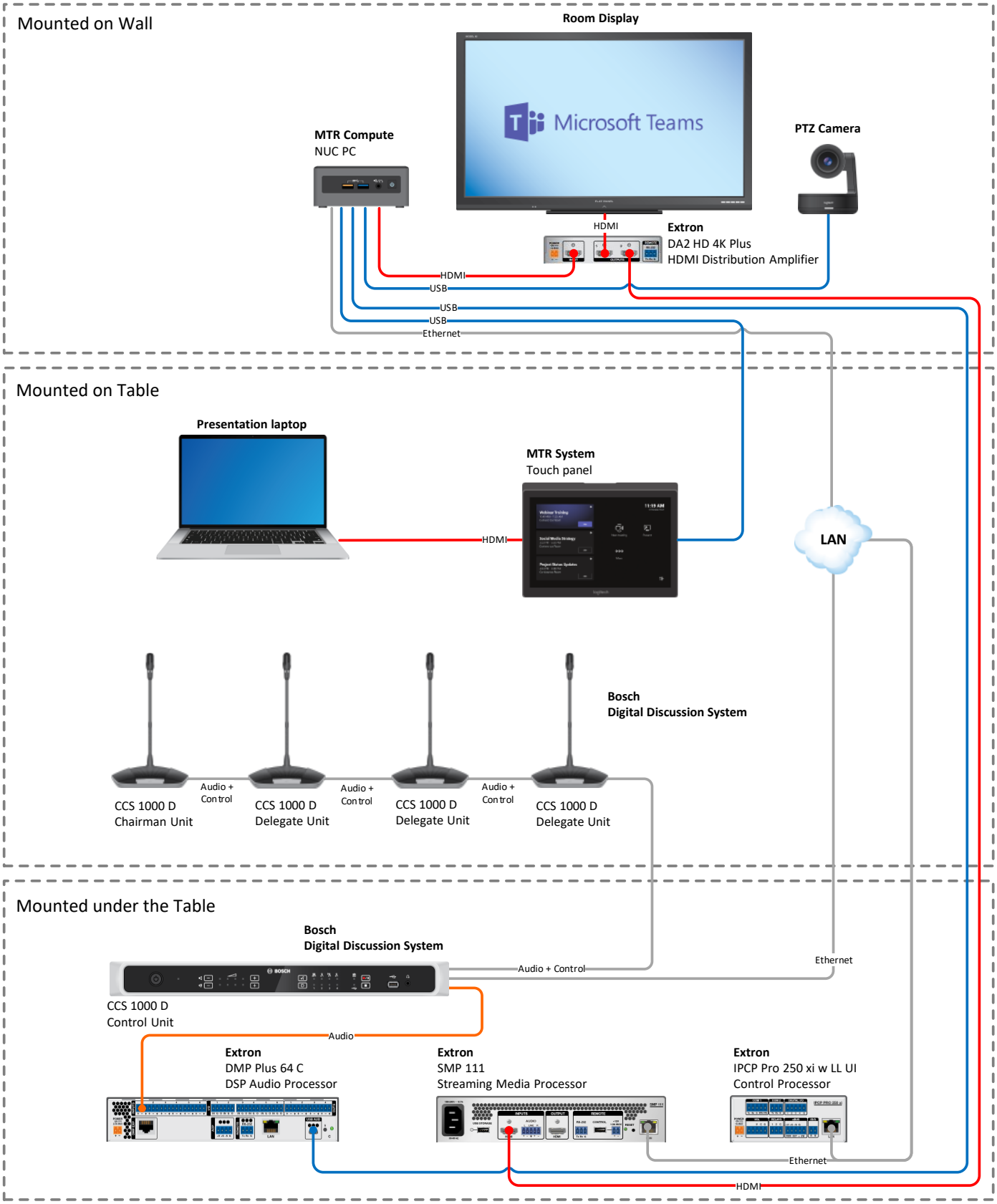
Bosch Equipment List

- CCS 1000 D – Discussion Devices
- CCS 1000 D – Control Units
- CCS 1000 D – System Extension Unit

Capabilities

- MS Teams conferencing with individual microphones for optimal clarity and sound reinforcement
- Presentation of content in MS Teams conference and to room audience locally
- Camera Preset Control possible via Conference Mic Button
- Single Point of Control for conferencing and room control via touch panel
    - PTZ camera control
    - Display control
    - Lighting control
    - Etc.
- AV Recording of MS Teams conferences and local in person meetings
- Record and stream simultaneously
- Produce MP4 media files that are compatible with virtually any media player
- Advanced integration with video platforms such as Panopto, Kaltura, OpenCast and Yuja

System Design



Extron

USB Video Audio Control

BOSCH WIRELESS CONFERENCE SYSTEM WITH MULTI-CAM ZOOM CONFERENCING AND AV RECORDING

Requirements

Central meeting room with remote participants attending via Zoom. The central participants will use individual microphone devices for clear speech in the room, which is being distributed to the remote participants in the Zoom conference.

Multiple cameras and microphones for optimal covering of the participants in the room.

Single point of control for all room functions and conferencing functions via simple touch panel.

Extron Equipment List

- TLP Pro 1025T – 10” Touchlink Pro touchpanel
- ShareLink Pro 1100 – Wireless Presentation System
- DTP CrossPoint 84 IPCP SA – Scaling Presentation Matrix Switcher with Control
- MediaPort 200 – HDMI and Audio Scaling Bridge
- SMP 352 – Streaming Media Processor

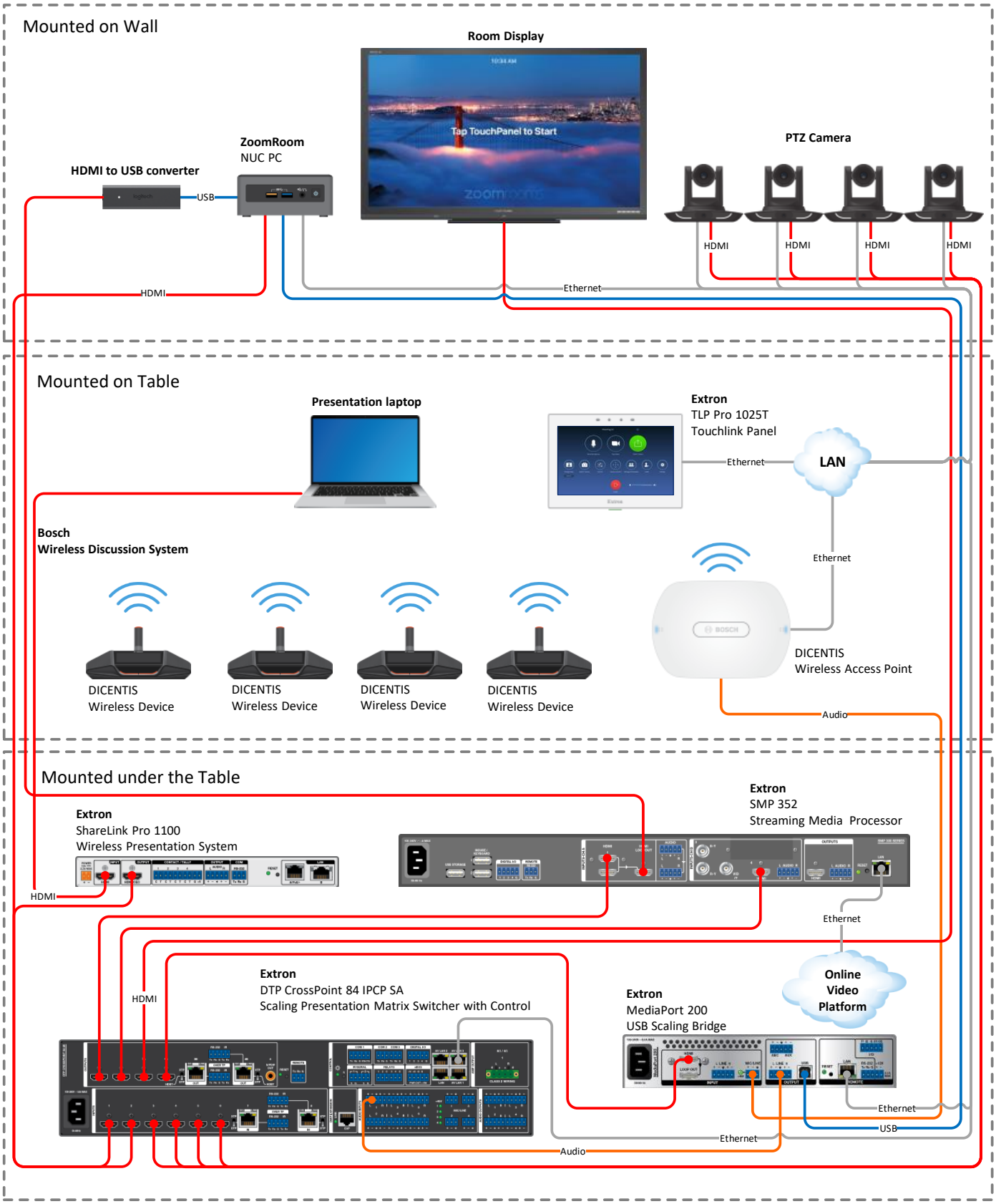
Bosch Equipment List

- DICENTIS – Wireless Access Point
- DICENTIS – Wireless Devices

Capabilities

- Zoom conferencing with individual microphones for optimal clarity and sound reinforcement
- Presentation of content in Zoom conference and to room audience locally
- Camera Switching based on Active Microphone status
- Single Point of Control for conferencing and room control via touch panel
    - Multi-cam PTZ camera control
    - Display control
    - Lighting control
    - Etc.
- AV Recording of Zoom conferences and local meetings
- Record and stream simultaneously
- Produce MP4 media files that are compatible with virtually any media player
- Advanced integration with video platforms such as Panopto, Kaltura, OpenCast and Yuja

System Design



BOSCH WIRELESS CONFERENCE SYSTEM WITH MULTI-CAM MS TEAMS CONFERENCING AND AV RECORDING

Requirements

Central meeting room with remote participants attending via MS Teams. The central participants will use individual microphone devices for clear speech in the room, which is being distributed to the remote participants in the MS Teams conference.

Multiple cameras and microphones for optimal covering of the participants in the room.

Single point of control for all room functions and conferencing functions via simple touch panel.

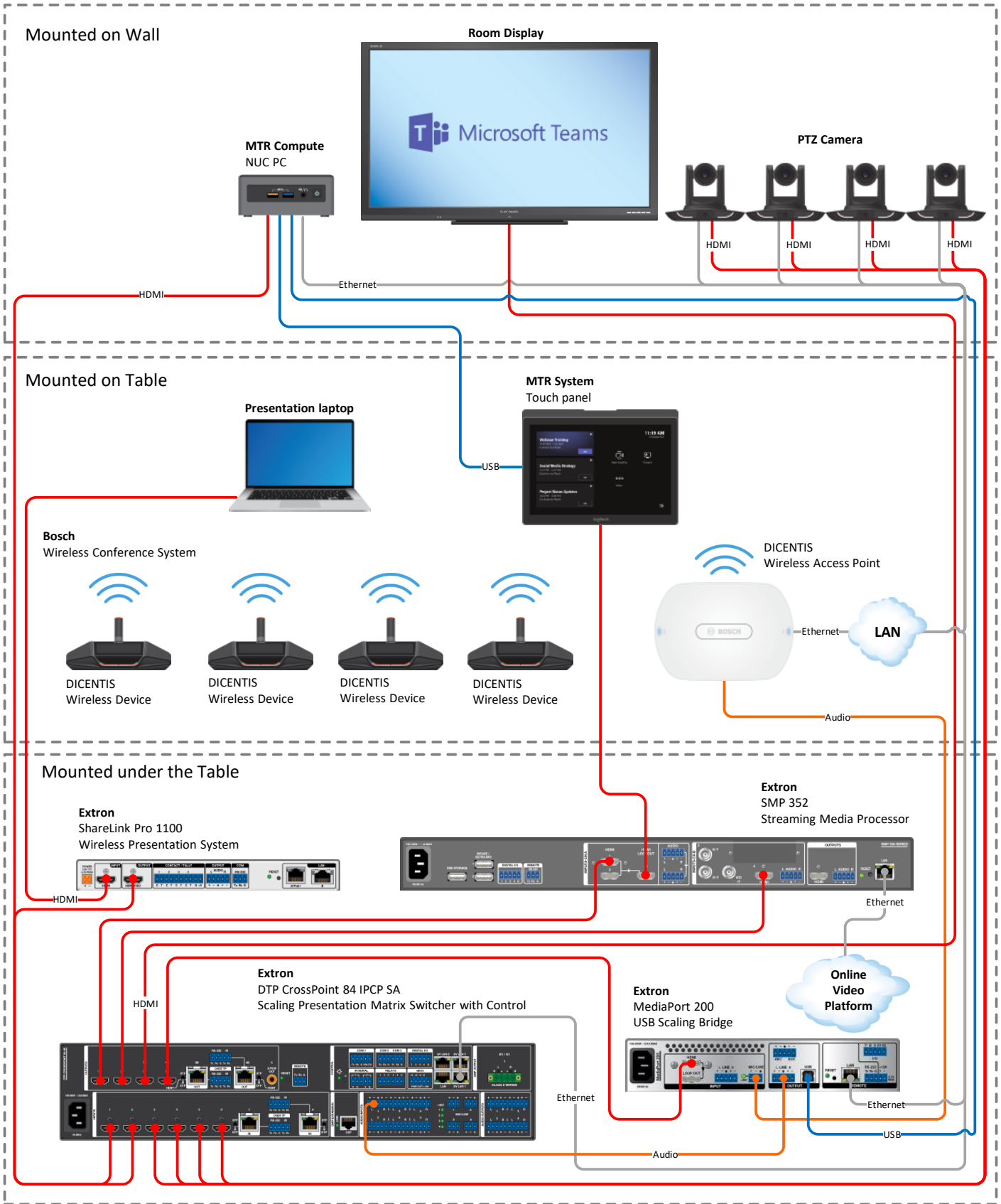
Extron Equipment List

- ShareLink Pro 1100 – Wireless Presentation System
- DTP CrossPoint 84 IPCP SA – Scaling Presentation Matrix Switcher with Control
- MediaPort 200 – HDMI and Audio Scaling Bridge
- SMP 352 – Streaming Media Processor

Bosch Equipment List

- DICENTIS – Wireless Access Point
- DICENTIS – Wireless Device

Capabilities

- MS Teams conferencing with individual microphones for optimal clarity and sound reinforcement
- Presentation of content in MS Teams conference and to room audience locally
- Camera Switching based on Active Microphone status
- Single Point of Control for conferencing and room control via touch panel
    - Multi-Cam PTZ Control
    - Display control
    - Lighting control
    - Etc.
- AV Recording of MS Teams conferences and local meetings
- Record and stream simultaneously
- Produce MP4 media files that are compatible with virtually any media player
- Advanced integration with video platforms such as Panopto, Kaltura, OpenCast and Yuja

System Design