

Modern • Secure • Compliant

Professional Conference Room

On a Non-Profit Budget



Reaper



OBS Studio



Network Digital Interface



**VB
CABLE**



Google Meet

Presenter Mic



Hardware

- S21FE
- S21FE Holster
- USB-C Lavalier Mic
- Wireless Charger
- USB-C charging Cable

Software

- Hexnode
- NDI Camera HX



Attendee Mic

Hardware

- S21FE
- USB-C Gooseneck Mic w/ Mute
- USB-C Splitter
- Texas PoE+ to USB-C Adapter

Software

- Hexnode
- NDI Camera HX



Ceiling Mic Array

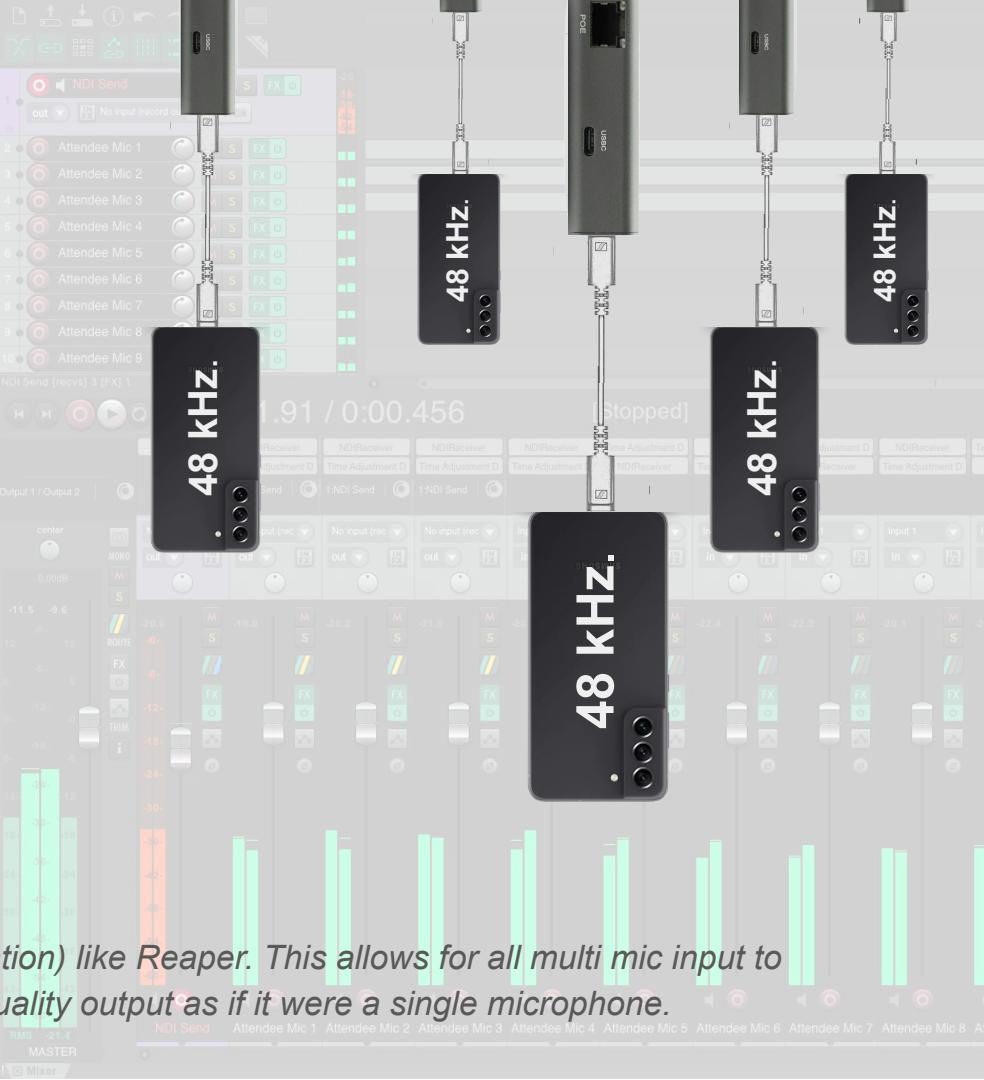
Hardware

- S21FE
- Texas PoE+ to USB-C Adapter
- Ceiling Mount Solid Or Drop Ceiling T-bar



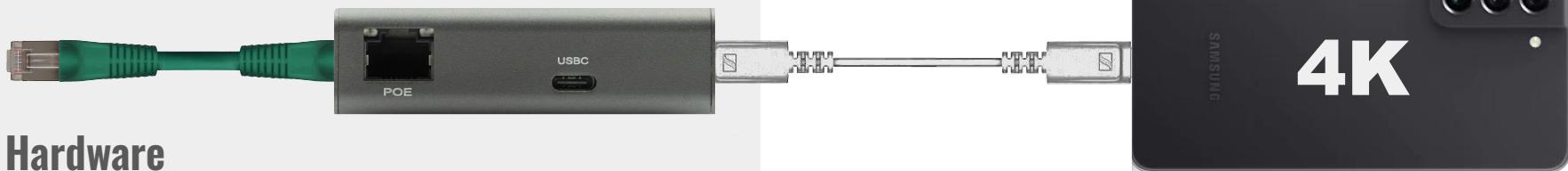
Software

- Hexnode
- NDI Camera HX



This setup requires a DAW (Digital Audio Workstation) like Reaper. This allows for all multi mic input to be time delayed together as a signal high quality output as if it were a single microphone.

Presenter and Attendee Cameras



Hardware

- S21FE
- S21FE Wall Mount
- Texas PoE+ to USB-C Adapter

Software

- Hexnode
- NDI Camera HX



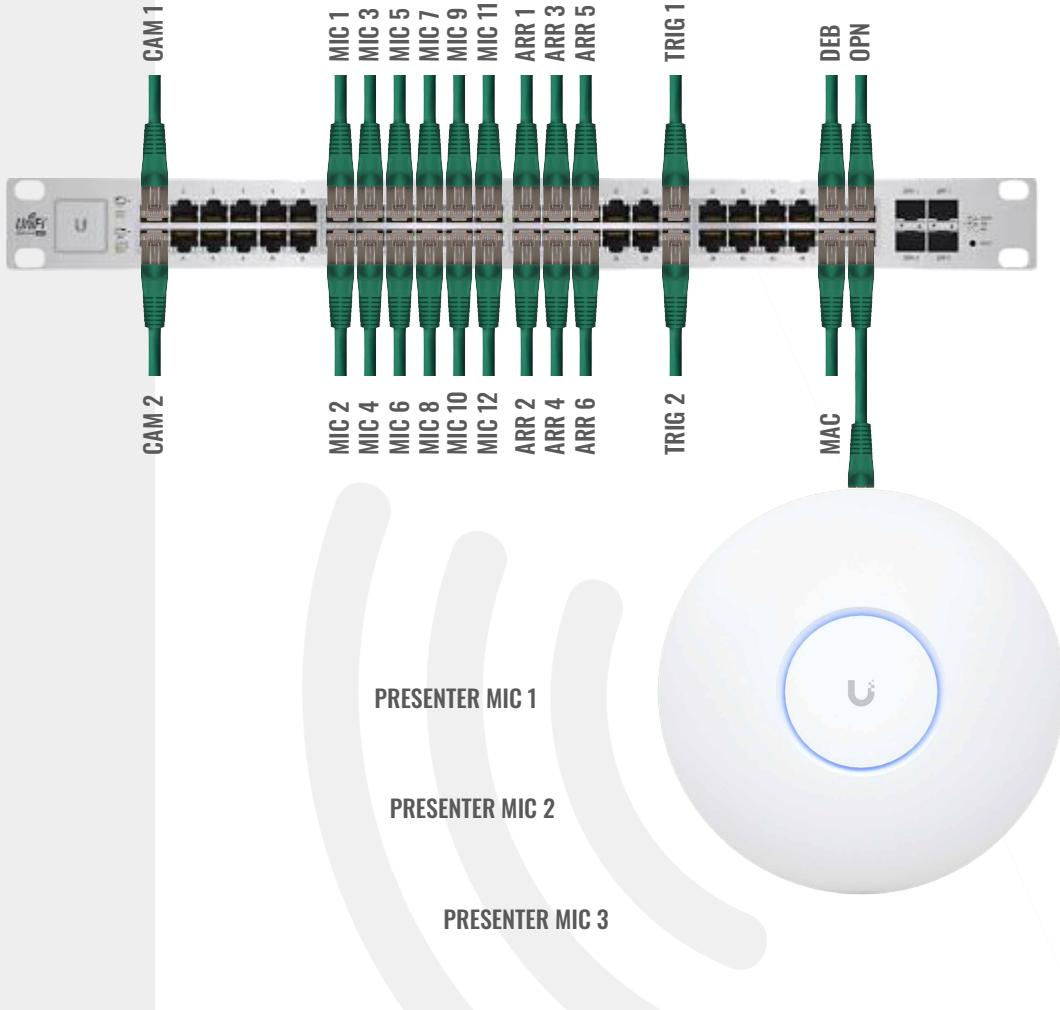
NDI Network

Hardware

- Unifi US-48-PoE Switch
- Unifi U6 Pro Access Point
- Cable plenum-rated CAT6

Software

- Unifi Network Controller
- OPNsense
- Debian 12
- Guacamole
- iPXE



Conference Room

Hardware

- Mac Mini M4
- Behringer UMC204HD
- Keyboard and Mouse
- Presentation Pointer



Software

- OBS Studio w/ NDI Plug-in
- Virtual Cable
- NDI Tools

Room Audio

Hardware

- Amp JBL CSMA 180
- Speakers JBL Control 26CT
- Cable plenum-rated
16/2 CMP



Financial Analysis

Need

- Wifi Presenter Mic Rig = \$125 x3
- Wired Attendee Mic Rig = \$200 x15
 - Wifi Attendee Mic Rig = \$80 x 15
- Wired Ceiling Mic Rig = \$250 x 6
- Wired Camera Rig = \$200 x2
- Behringer UMC204HD = \$200 x1
- JBL CSMA 180 = \$600 x1
- JBL Control 26CT = \$150 x6
- 500' plenum-rated 16/2 CMP = \$200 x1
- 1000' plenum-rated CAT6 CMP = \$250 x1
- **Hexnode MDM = \$4/mo x20 recurring**
 - Headwind MDN USB only = \$0/mo x20 recurring

Owned

- NDI Network (US-48-POE-500W) = \$0 x1
- Mac Mini M2-M4 = \$0 x1
- Conference Display (55"-85" Smart TV) = \$0 x1

\$Low Cost per Room

