

SHURE

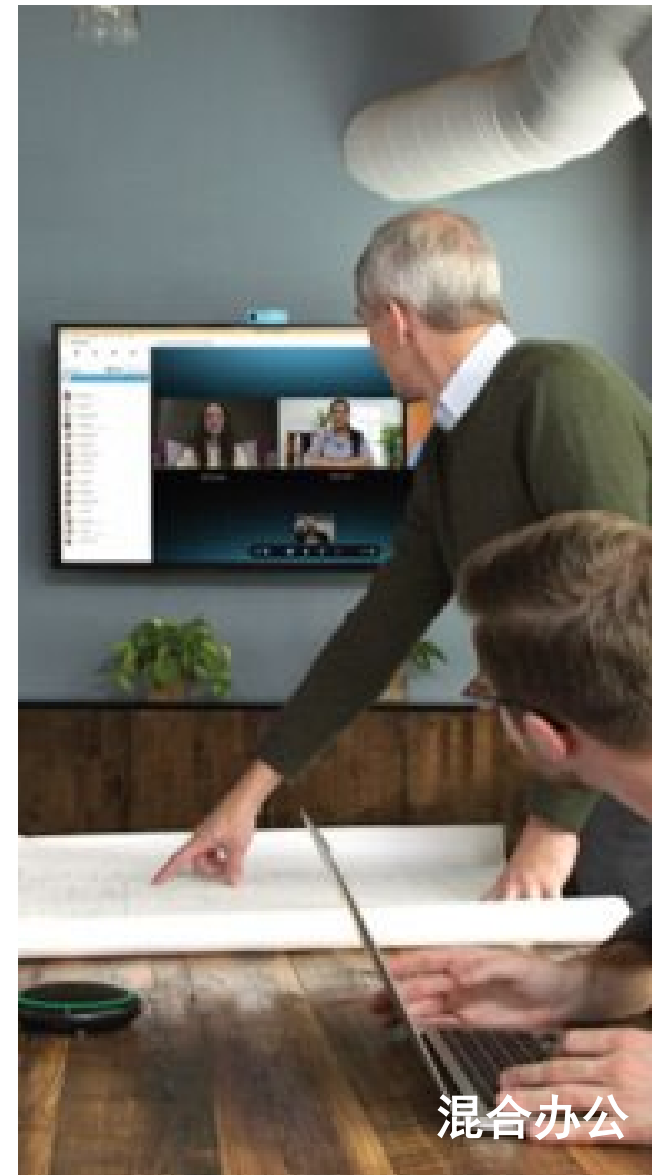
舒尔系统集成
网络化进场及新品分享



智能手机

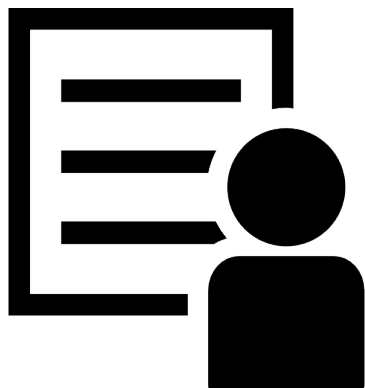


集成化硬件



混合办公

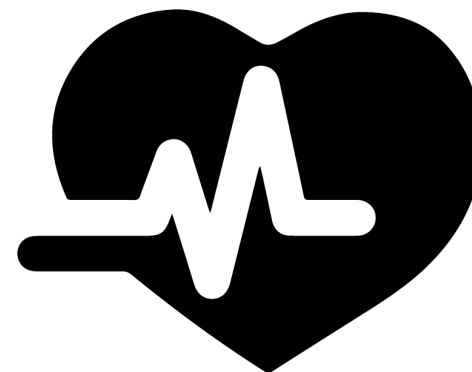
高质量音频是共同目标



用户体验



效率和协作



健康

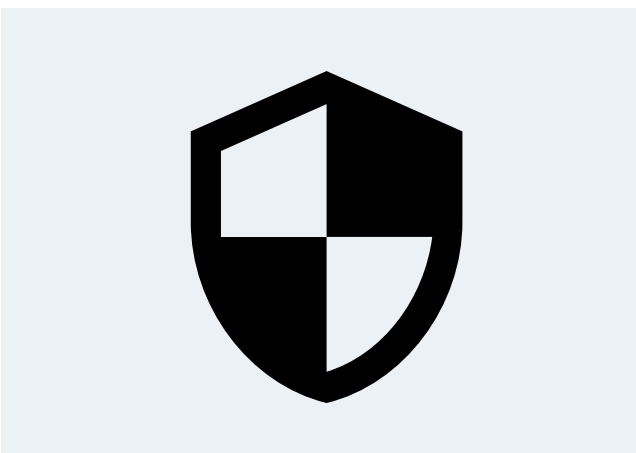


网络音频的优点

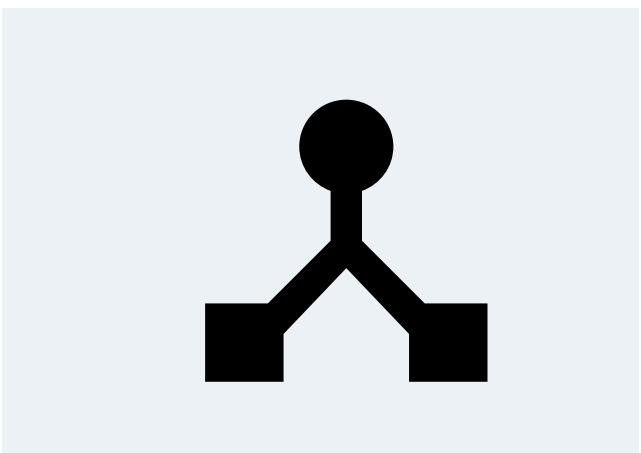
共享现有网络



灵活的路由

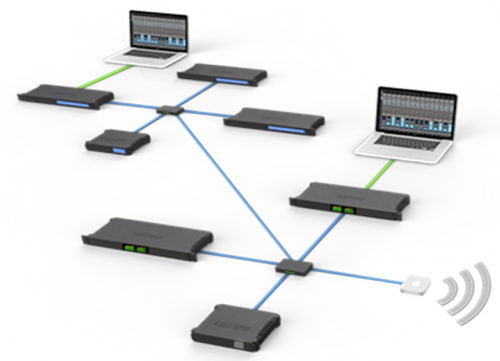


远程管理



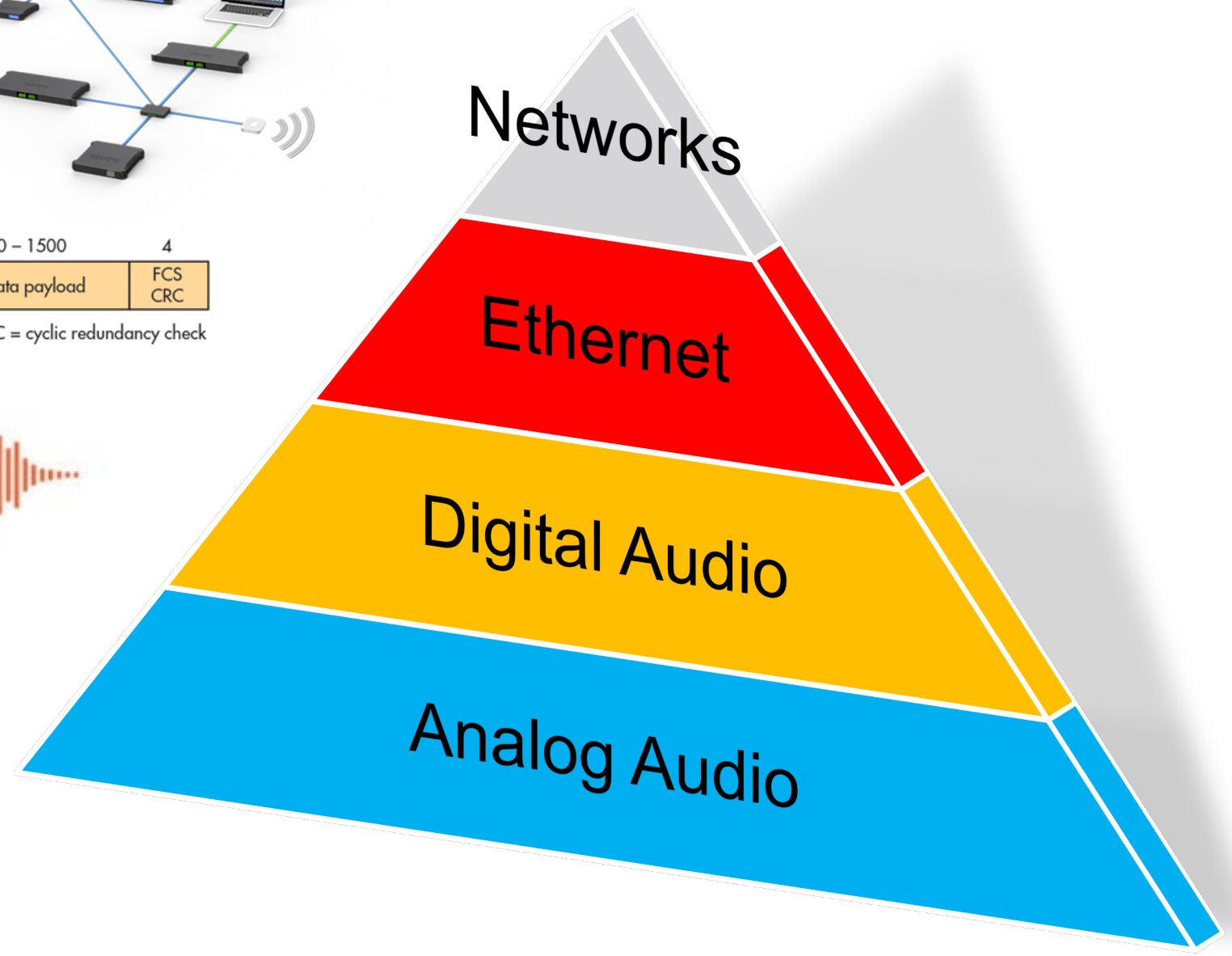


音频金字塔



Number of bytes						
7	1	6	6	4	0 - 1500	4
Preamble	SFD	Destination address	Source address	Type/length	Data payload	FCS CRC

SFD = start of frame delimiter FCS = frame check sequence CRC = cyclic redundancy check





SHURE

网络音频解决方案

Audio over Ethernet (AoE) Solutions

Ether
ES
Sound

 **Dante**TM
connected by
CobraNetTM



RAVENNA

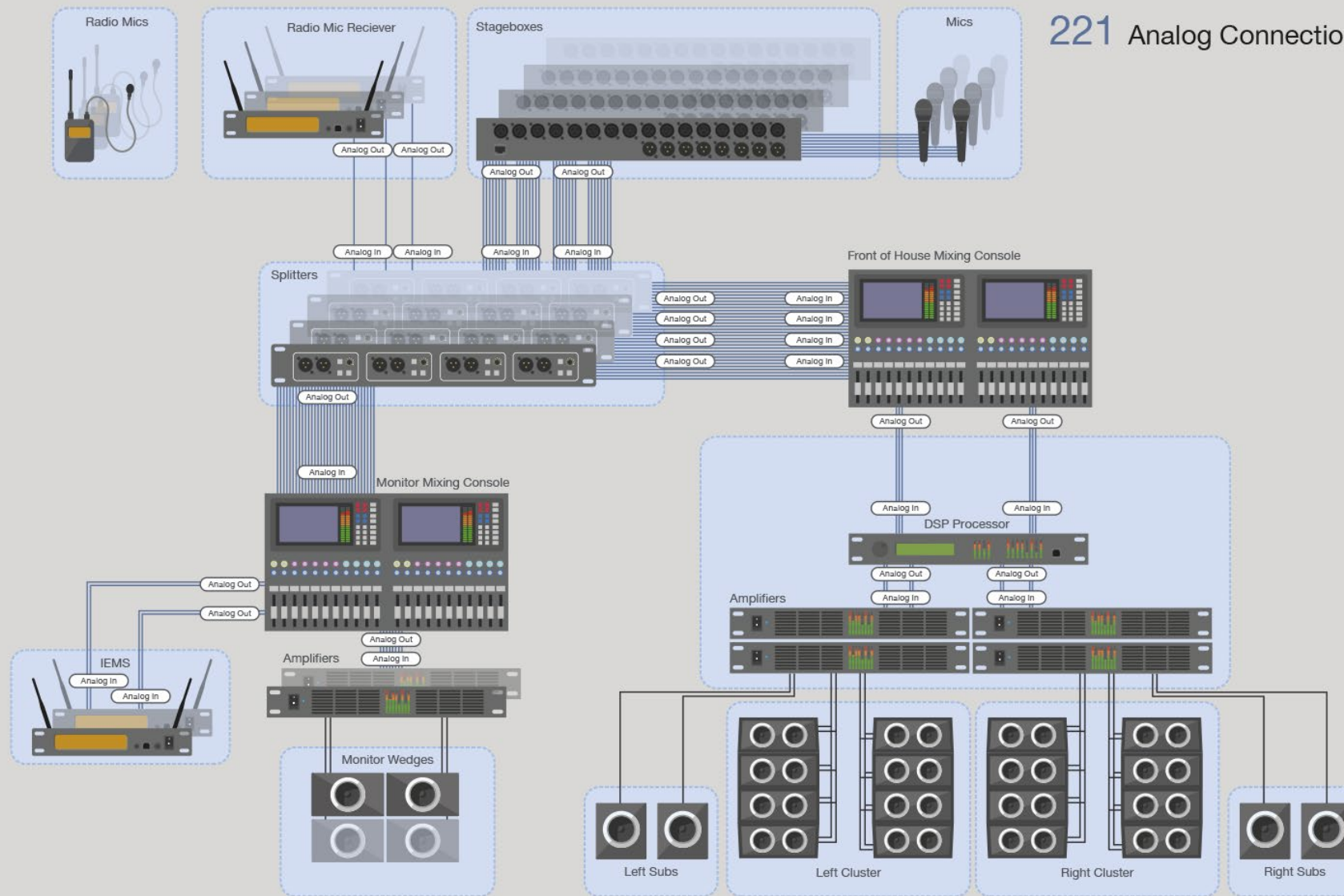


Peak Audio - Cirrus Logic Commercial Audio Products



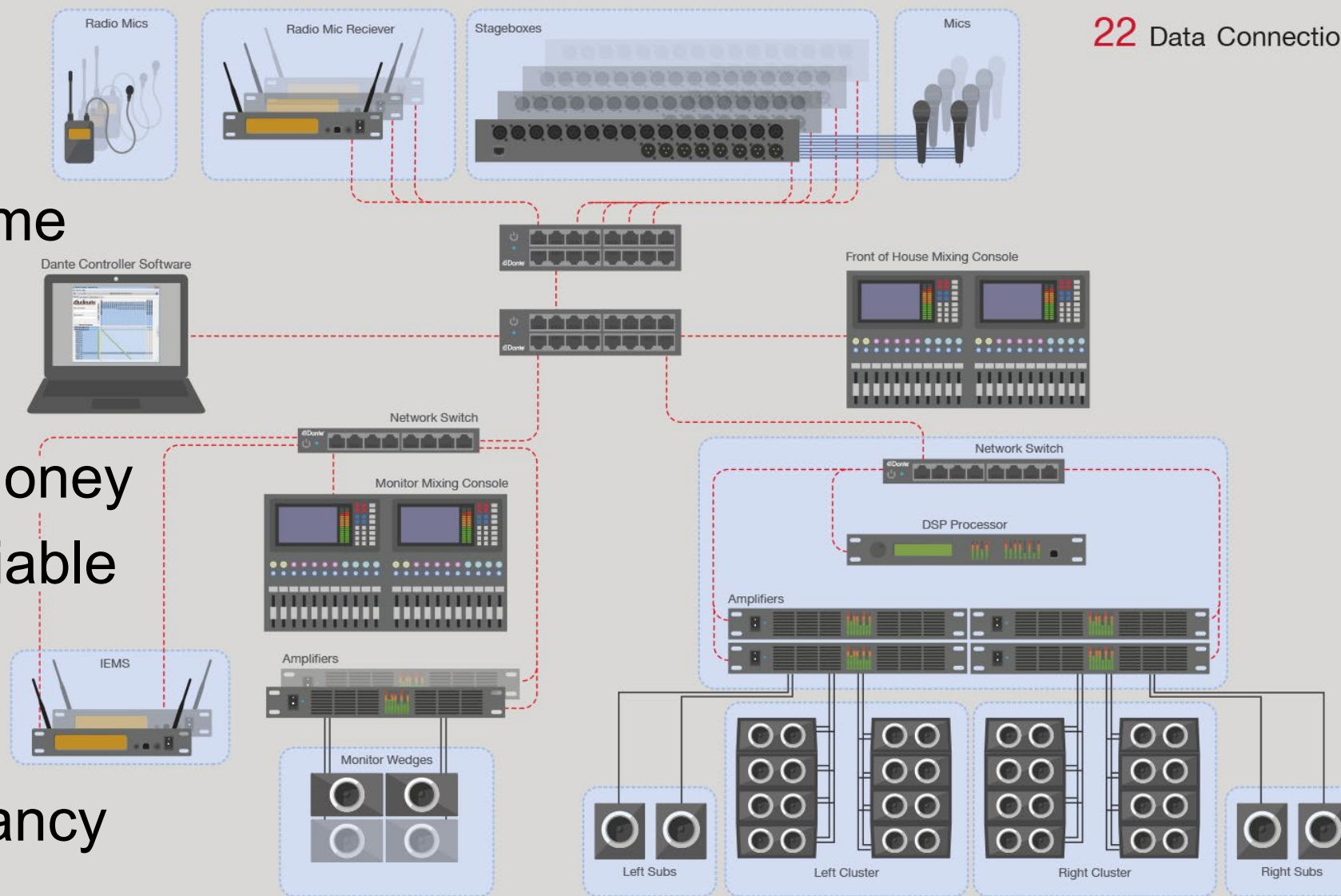
AVB

221 Analog Connections



22 Data Connections

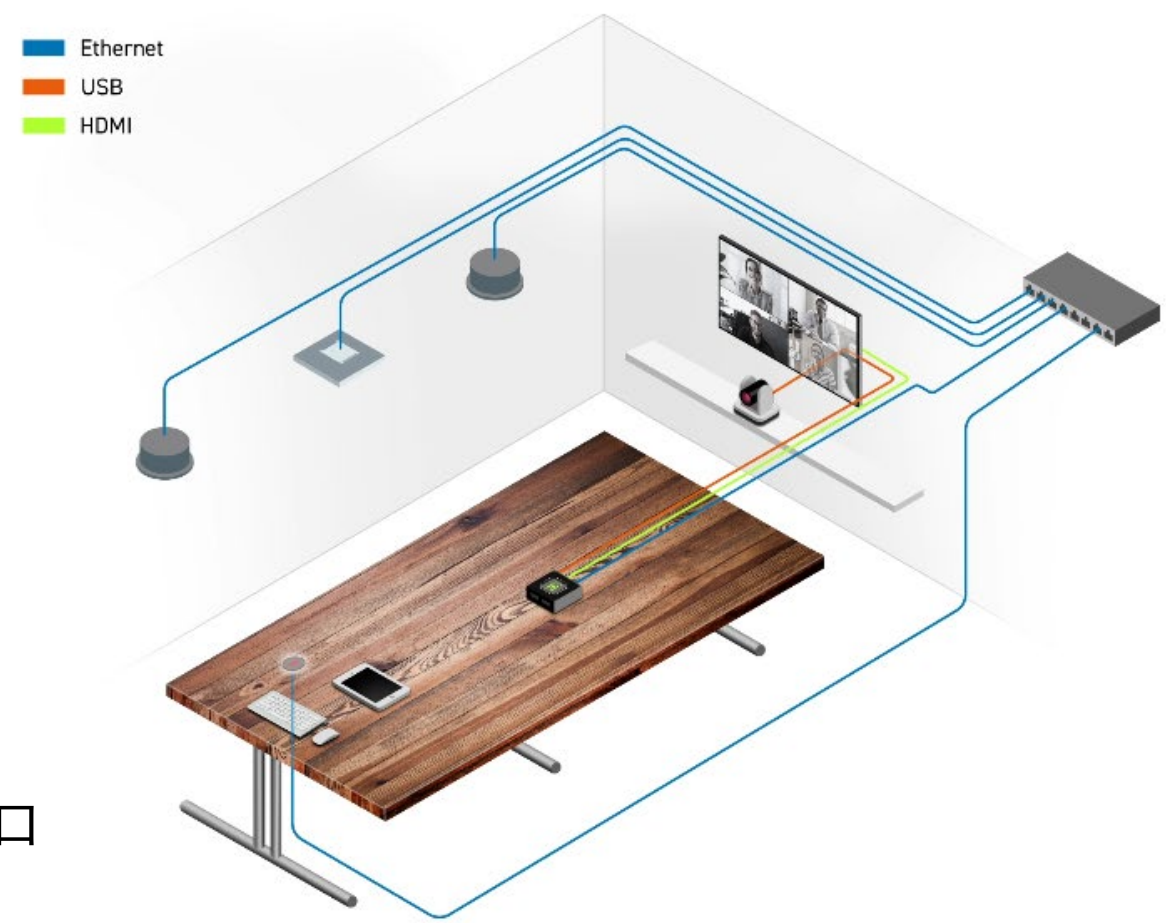
- Saves time
- Saves money
- More reliable
- Redundancy





IT最想了解

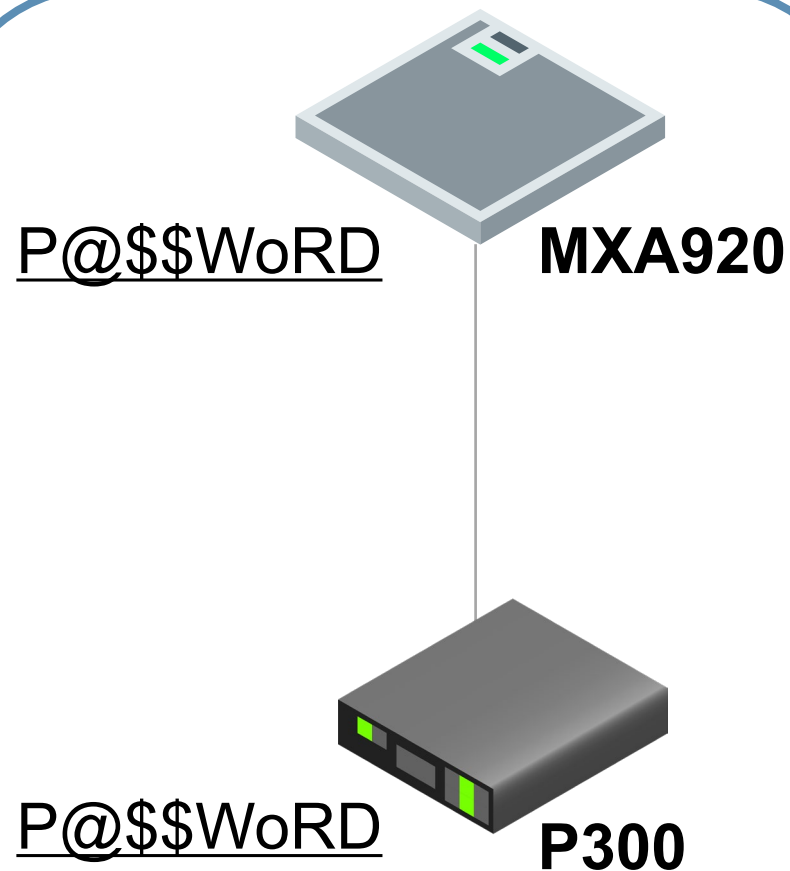
- 多少个网络设备
- 需要多少个IP地址
 - 音频、控制。。。。
- 什么类型的IP地址
 - 静态 or DHCP
- 什么设备在什么子网下
- 需要多少端口，哪一个端口



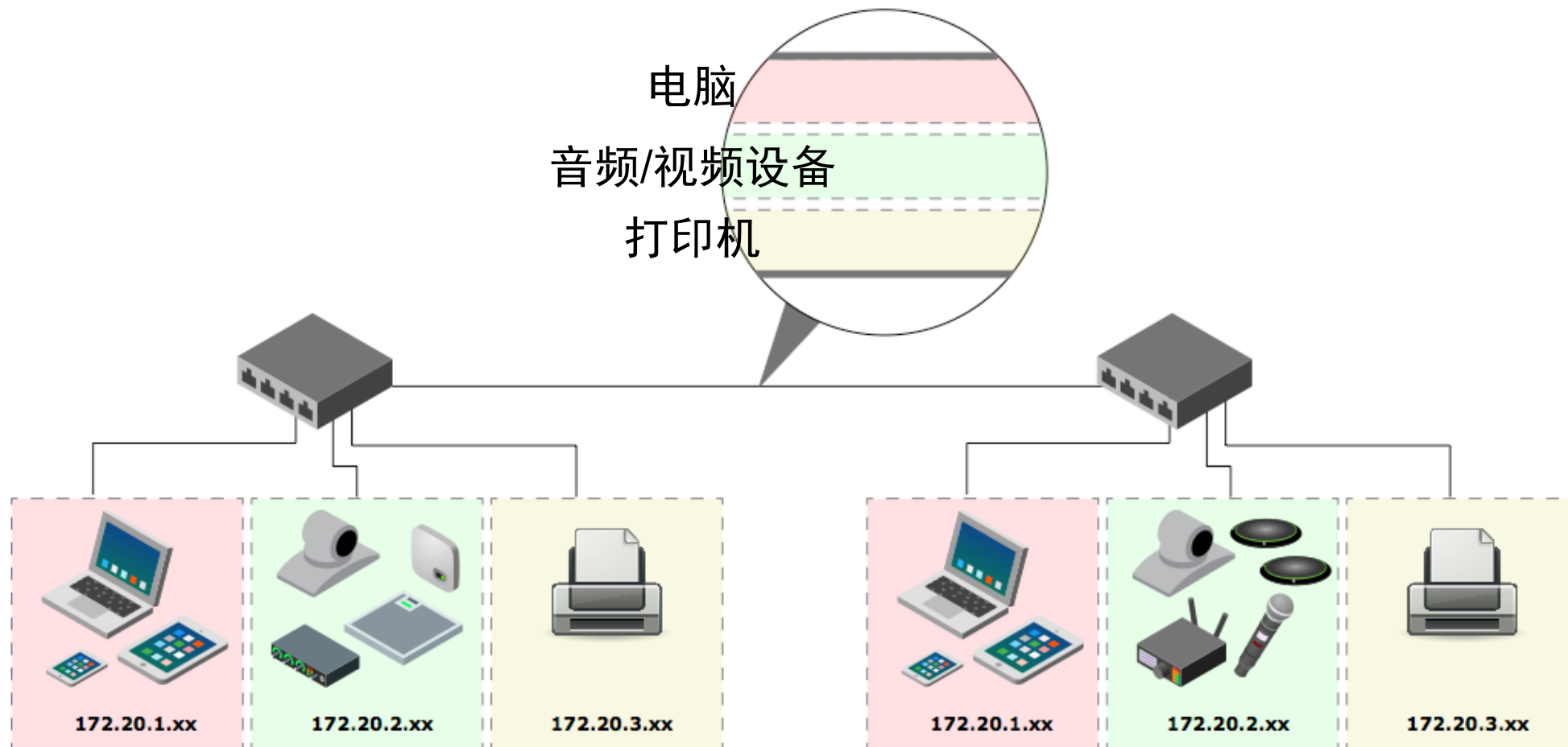
-  **MXA910**
Ceiling Array
Microphone
-  **IntelliMix Room**
Audio Processing
Software
-  **MXN5C**
Networked Ceiling
Loudspeaker
-  **MXA-MUTE**
Mute Button

网络里的音频加密

- 在使用Dante网络之前，在点对点音频设备上进行音频加密。
- 发送方和接收方设备上需要相同的密码。
- 比如：AES128、AES256加密技术。



在VLAN上使用防火墙隔离音频设备





SHURE音频网络

- 1 Shure MXA920 Microphone
- 2 Shure P300 DSP
- 3 Shure MXN5W-C Loudspeaker
- 4 Yealink MTouch II Touch Panel
- 5 Yealink UVC84 Camera
- 6 Yealink MCore Mini PC
- 7 Switch PoE+

1.网络架构连接

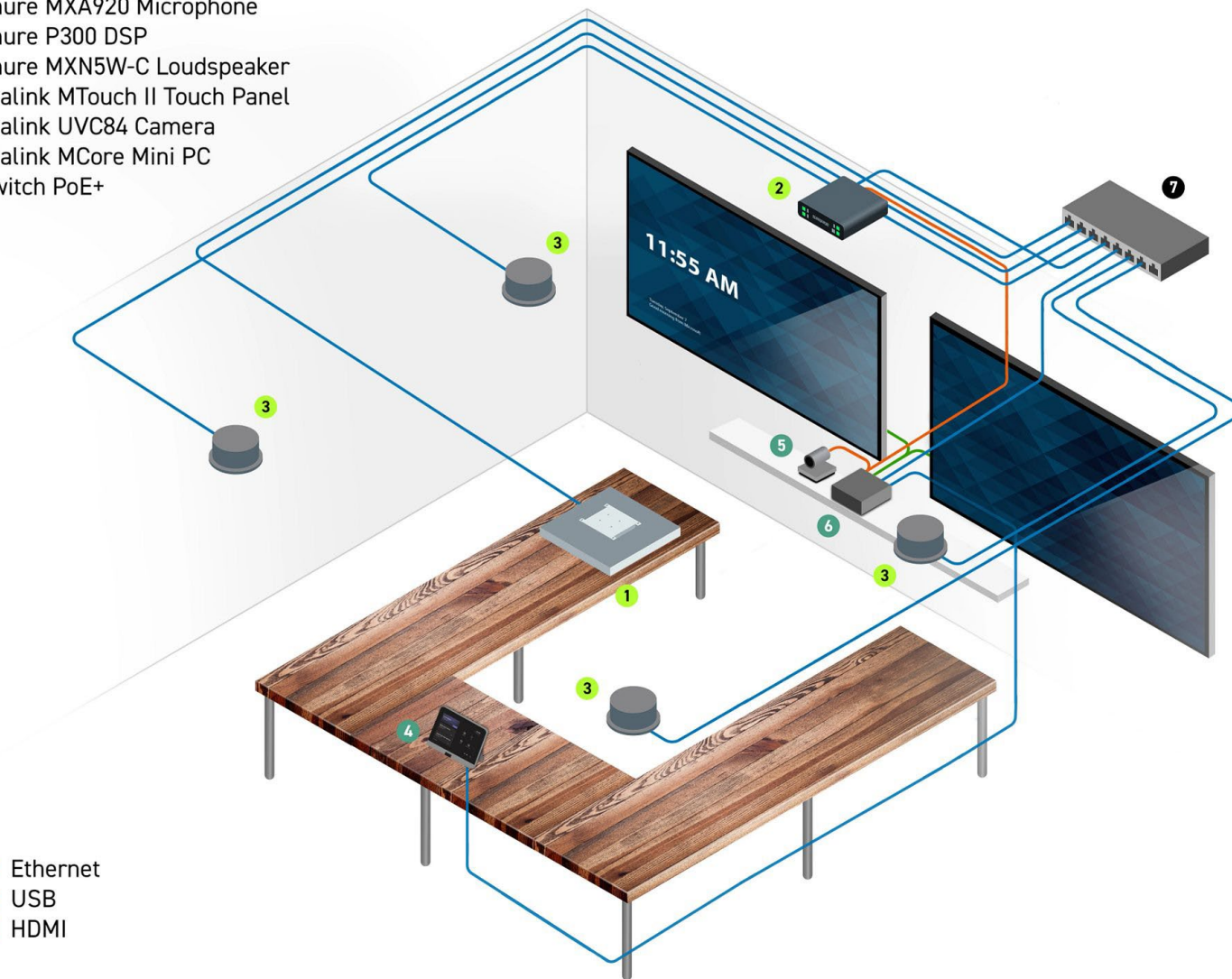
2.POE供电

3.TCP/IP控制方式

4.Dante数字音频

5.统一平台管理维护

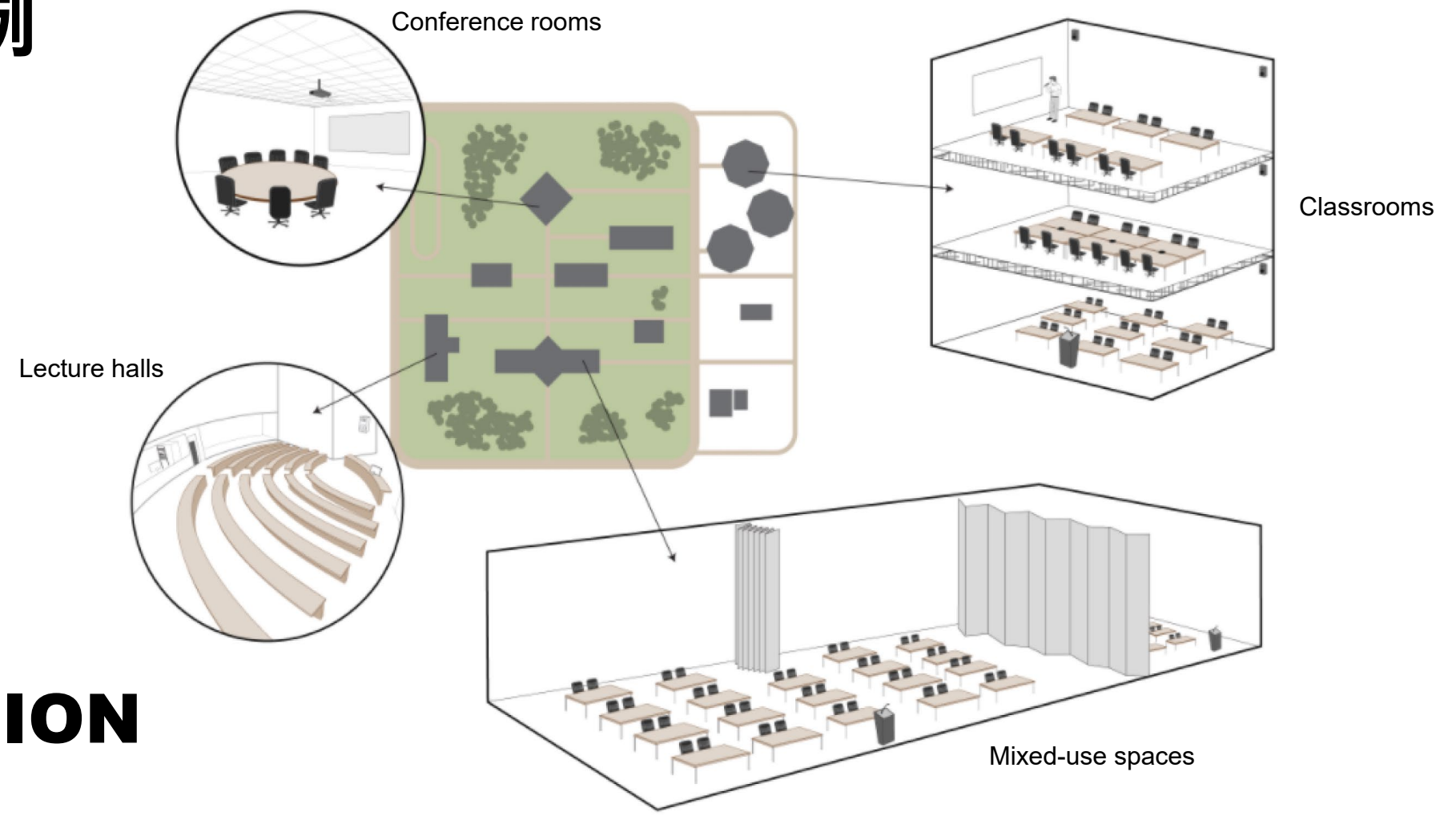
- Ethernet
- USB
- HDMI





高校安装案例

CAMPUS INSTALLATION EXAMPLE



网络设备管理

- 1.发现设备、系统运行问题时已经太迟了？
- 2.缺少人员房间到房间的巡检？
- 3.需要多个浏览器、软件去管理不同设备？
- 4.技术水平各不相同，有些人只负责某些建筑或房间？





SHURE SystemOn软件

Locations Search

Select all NEW LOCATION NEW GROUP

- Floor 2
 - 2 Northeast
 - 2 RNB
 - 2 Southeast
 - 2 Southwest
 - 2 Techno
- Floor 3
 - 3 Jazz
 - 3 Northeast
 - 3 Reggae
 - 3 Southeast
 - 3 Southwest
- Floor 4
 - 4 Control Room
 - 4 Northeast
 - 4 Pop

Left Sidebar: Alex Miller, Home, Locations, All devices, Users, Event log, Settings, Sign out, Floor 2, Floor 3, Floor 4

Northwest Conference

MONITORING DEVICES SUBSCRIPTIONS

MXA310 192.168.2.214

1	2	3	4	Automix
Channel 1	Channel 2	Channel 3	Channel 4	Automix Out
Audio	Audio	Audio	Audio	Audio
Mute group	Mute group	Mute group	Mute group	
Fader group	Fader group	Fader group	Fader group	
ACTIVE	ACTIVE	ACTIVE	ACTIVE	ACTIVE

P300-1 192.168.2.208

1	2	3	4	5	6	7	8
Dante Input 1	Dante Input 2	Dante Input 3	Dante Input 4	Dante Input 5	Dante Input 6	Dante Input 7	Dante Input 8
Audio	Audio	Audio	Audio	Audio	Audio	Audio	Audio
Mute group	Mute group	Mute group	Mute group	Mute group	Mute group	Mute group	Mute group
Fader group	Fader group	Fader group	Fader group	Fader group	Fader group	Fader group	Fader group
ACTIVE	ACTIVE	ACTIVE	ACTIVE	ACTIVE	ACTIVE	ACTIVE	ACTIVE

9	10	11	12	13	14	1	2
Dante Input 9	Dante Input 10	Analog - Fro...	Analog Input 2	USB Input	Mobile Input	Dante Output...	Dante Output...

Properties

General

Device name *
MXA310

Dante device name
MXA310-90808f

Device model
MXA310

IDENTIFY

Device control

MUTE

Control network

IP mode
DHCP

IP address
192.168.2.214

Subnet mask
255.255.255.0

Gateway
192.168.2.1

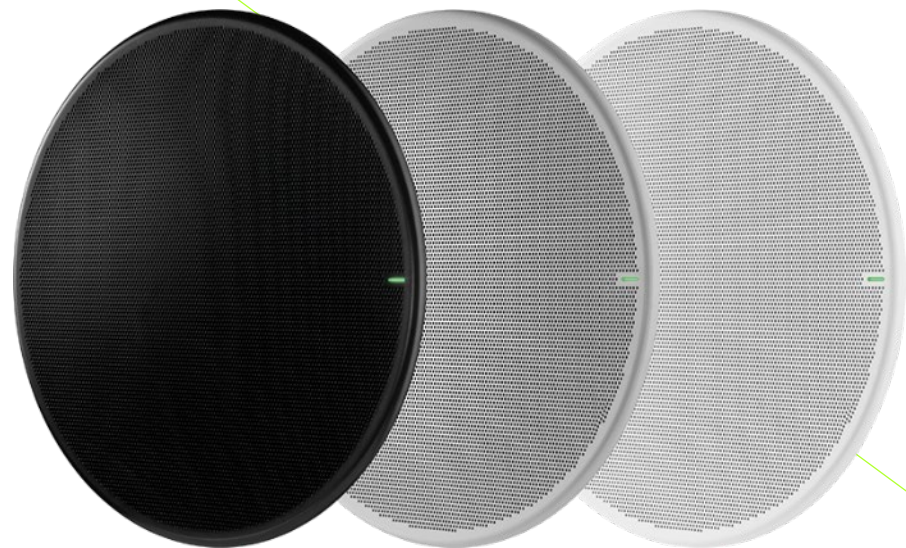
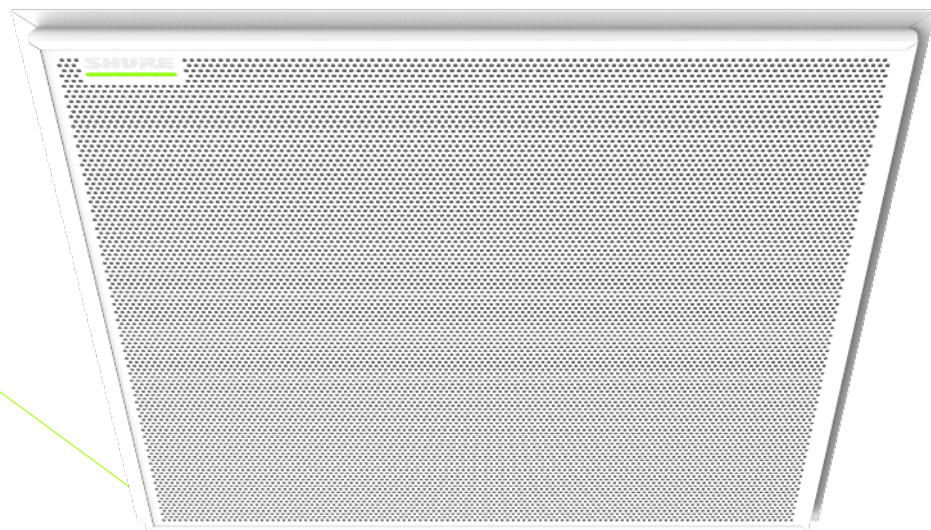
SHURE

MXA920 麦克风阵列

全新舒尔的旗舰麦克风阵列提供了可扩展性和更多的灵活性——包括AV会议、摄像机跟踪、语音提升，甚至声音增强——在高级会议室空间和具有挑战的环境中。

全新的自动拾音区自动覆盖技术，简化部署，同时下一代的阵列技术和DSP算法提供更加自然的语音拾音。

所以，熟悉的方型和全新的圆型麦克风阵列成员，打开了更多的建筑适配的可能性。possibilities.



SHURE
MICROFLEX
ECOSYSTEM
EXPERIENCE PRECISION

SHURE

The Technology



自动拾音区覆盖技术 Automatic Coverage™ Technology

Dynamic and Dedicated Coverage Areas capture only the talkers you want, in multiple areas of the room, while avoiding areas you don't want to cover.



快速搭建 Simple Setup

Provides full-room coverage and superior audio capture right out of the box.



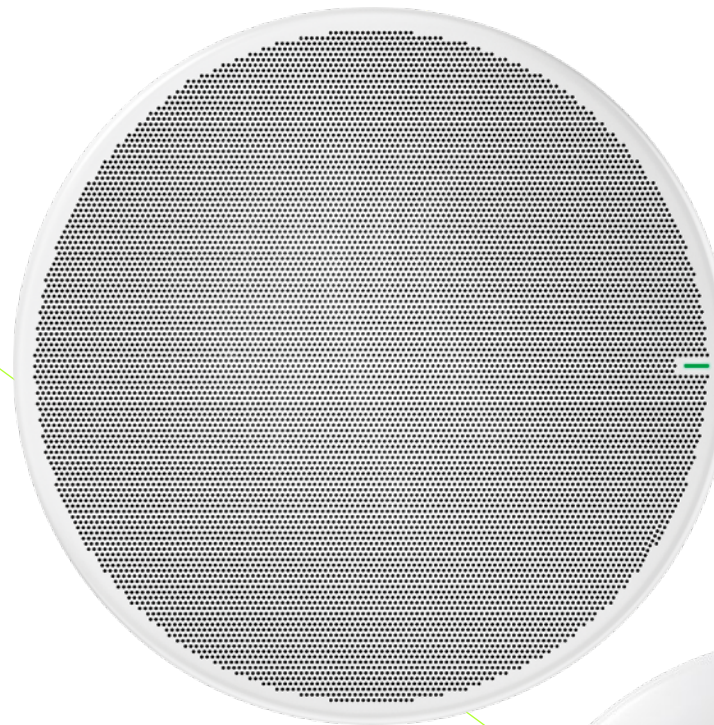
下一代阵列构架

Enhanced directionality provides improved intelligibility and clarity, and more natural speech.



板上 IntelliMix® DSP

Includes all the digital signal processing needed for noise- and echo-free AV conferencing audio, including Acoustic Echo Cancellation and Noise Reduction.





可配置拾音区

可部署最多8个独立的, 用户自定义的拾音覆盖区域, 仅拾取发言人的声音, 避免其他区域传来的噪声等。



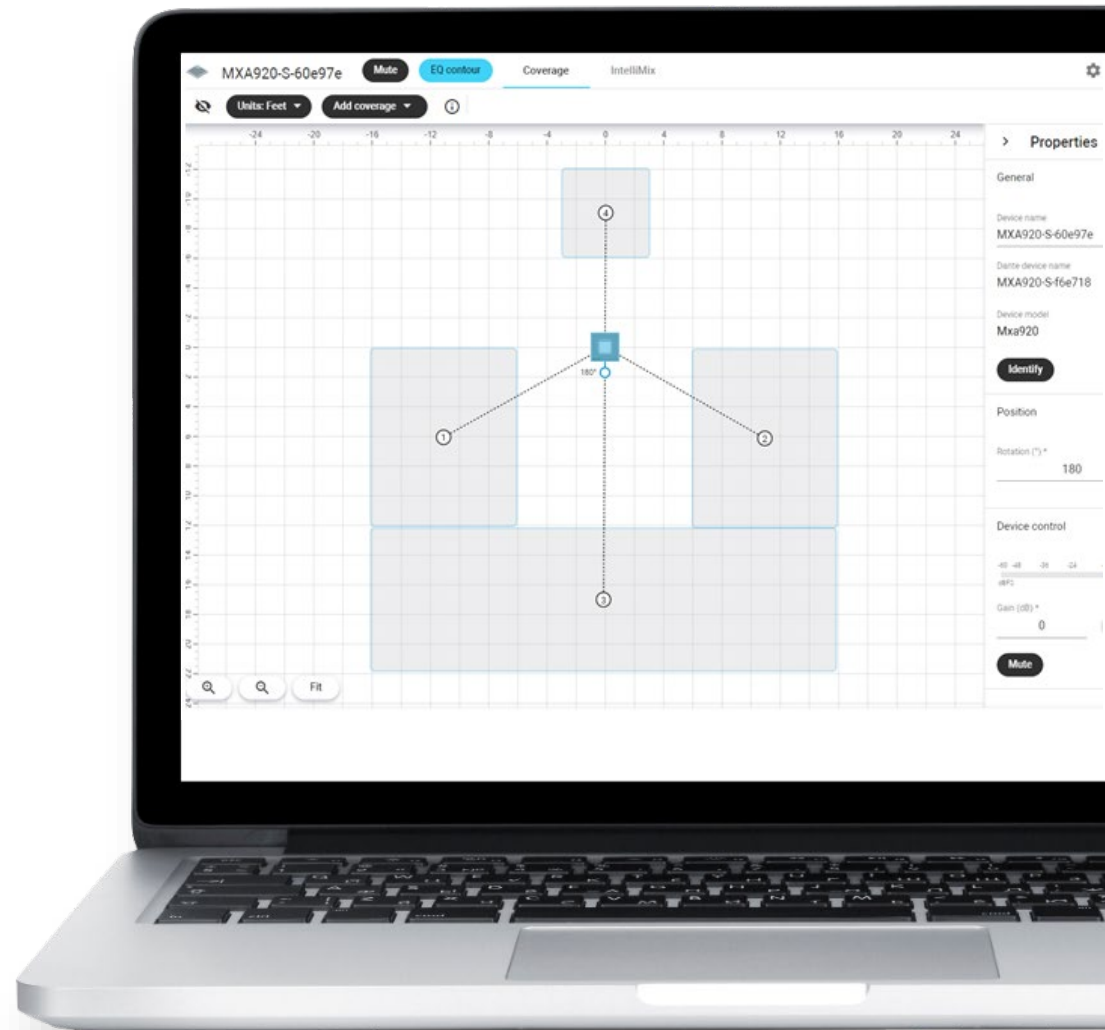
动态覆盖区域

智能适应覆盖范围内的所有通话者。调整这些区域的大小和位置, 以适应你的空间, 任何在覆盖区域的边界内的说话人将有麦克风覆盖(即使他们移动)。



固定覆盖区域

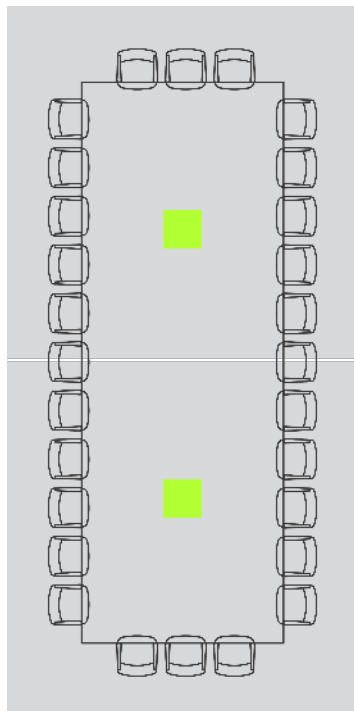
固定尺寸为6 × 6英尺(1.8 × 1.8米), 最适合那些大多数时间都站在一个位置上的演讲者, 比如在讲台上或在白板上。它们也可以用来确保像演讲者或领导这样的重要演讲者的声音在任何时候都能被捕捉到。



Settings > General > "Automatic Coverage: on"



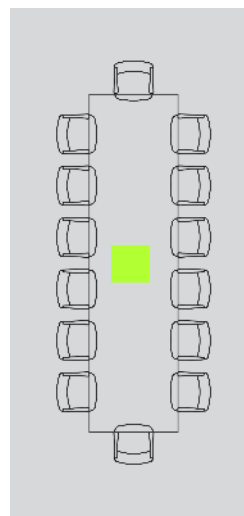
可配置拾音区应用案例



大型会议室

28 Chairs
1 Rectangular Table

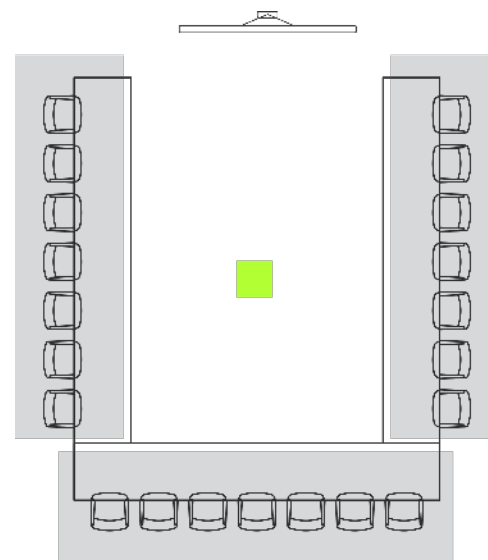
2 Ceiling Arrays
2 Coverage Areas



中型会议室

14 Chairs
1 Rectangular Table

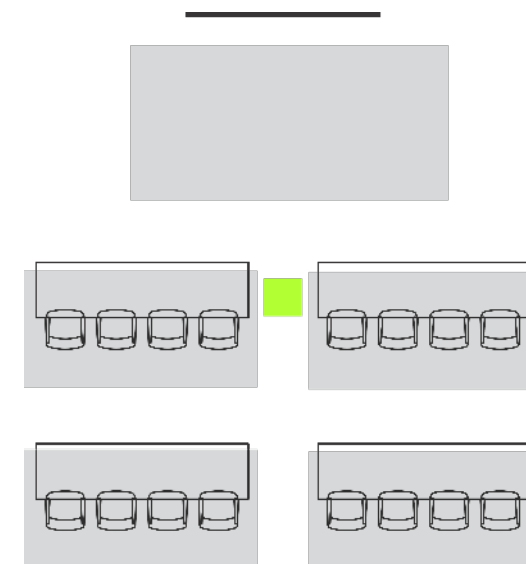
1 Ceiling Array
1 Coverage Area



视频会议室

21 Chairs
3 Rectangular Tables

1 Ceiling Array
3 Coverage Areas



教室 / 培训室

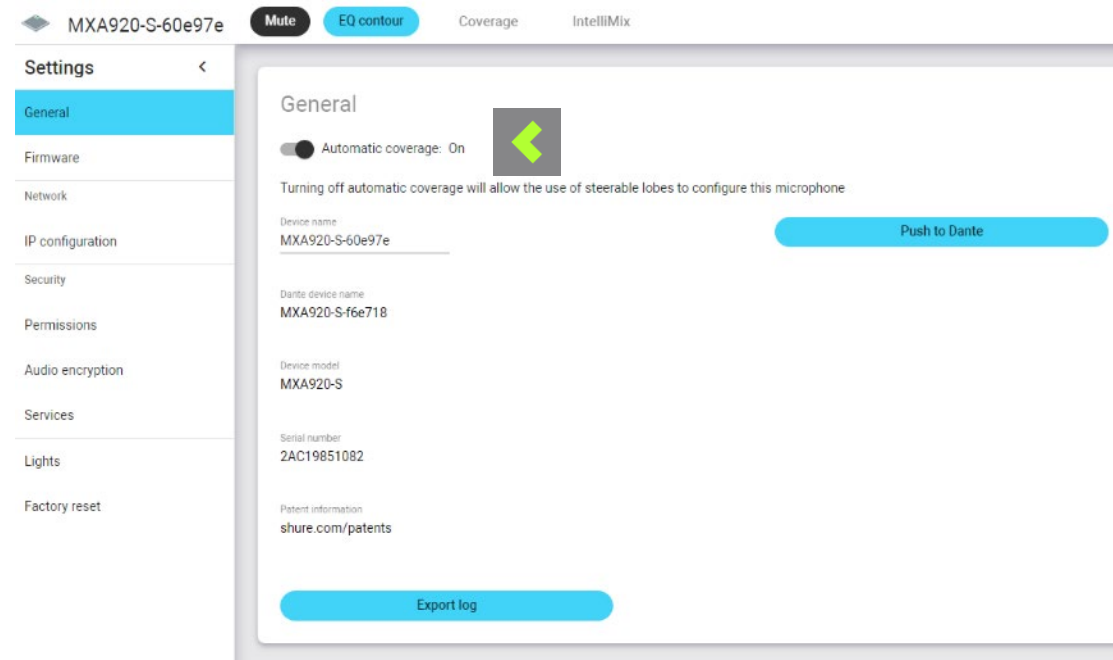
16 Chairs
4 Rectangular Tables

1 Ceiling Array
5 Coverage Areas



内嵌IntelliMix[®] DSP

The MXA920 开启自动拾音区覆盖功能后，提供单独自动混音通道。



控制面板显示自动混音输出通道的增益、静音、DSP组件模块。



SHURE

无限的 安装适配可能性



为审美而设计

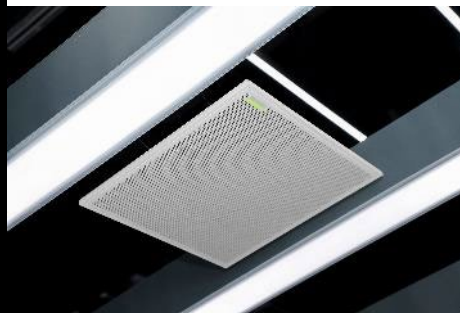
线条简洁的工业设计体现在包含圆形和方型两个设计，多颜色可配图色彩搭配。满足当代室内建筑装饰需求。

- 方型60*60cm (白色)
- 圆形 25" (白, 黑, 铝灰)



安装灵活性

新的配件套件简化了各种天花板类型的安装。



SHURE

舒尔会议音频生态系统



谢谢大家

