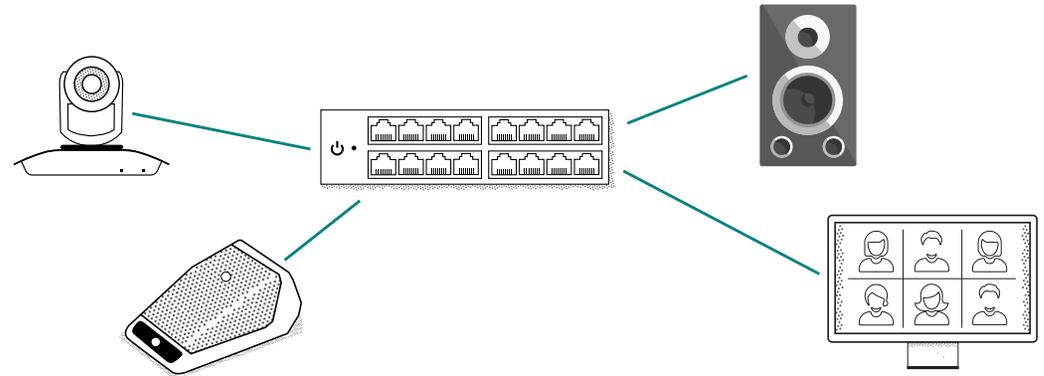


Dante AV Test Drive  
Networking Tips

# Dante AV™ Test Drive

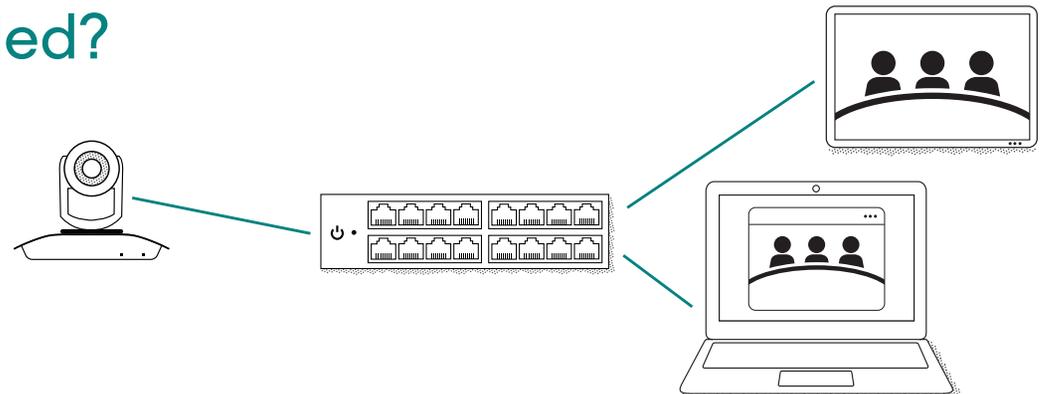
## Dante AV over IP Network Requirements

- Dante AV is designed to run on the same network and VLAN as your Dante audio devices
- But video does require some network management!
  - IGMP snooping is required to keep any multicast video in check
  - QoS can be required to keep clock packets arriving on time, especially when you have 100Mb Dante audio devices on the network



## When is Multicast Needed?

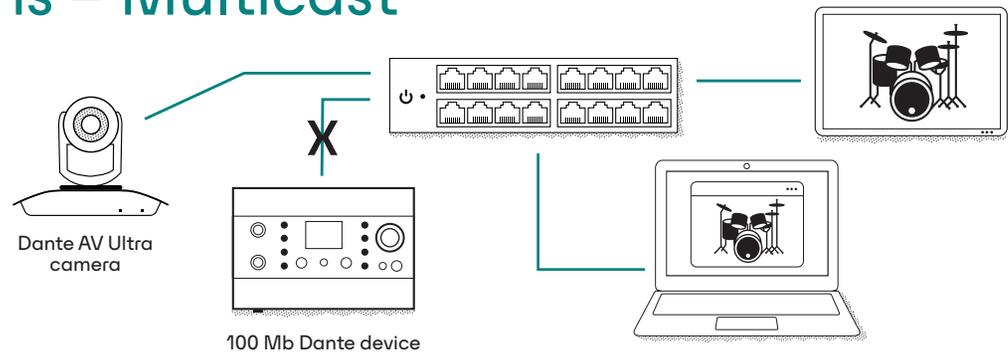
- Dante AV devices have 1 Video flow
- That means when you want to send video to more than 1 destination, multicast is required



# Dante AV™ Test Drive

## Bandwidth Considerations – Multicast

- Dante AV Ultra flows are higher than 100 Mbps
- When using multicast for AV Ultra, IGMP snooping is required
- Otherwise the stream will flood the ports of 100 Mbps Dante Devices



## Bandwidth Considerations – Uplinks/Trunks

- Dante AV is designed to run on 1 Gbps networks
- Dante AV devices have 1 GbE network interfaces
- But uplinks/trunks between switches can become bottlenecks
  - Step up to 10 Gbps uplinks if you'll transport a lot of video beyond a single switch
  - Alternatively, decrease resolution and cap device bandwidth at 220Mbps
- Remember headroom is important - try not to use more than 70% of bandwidth on a trunk/link

