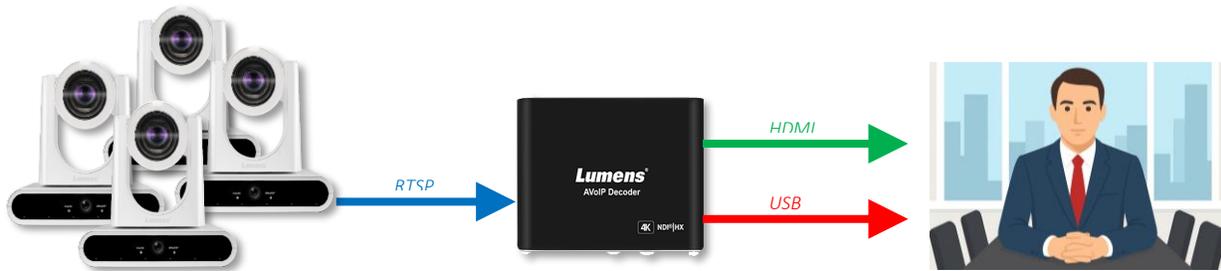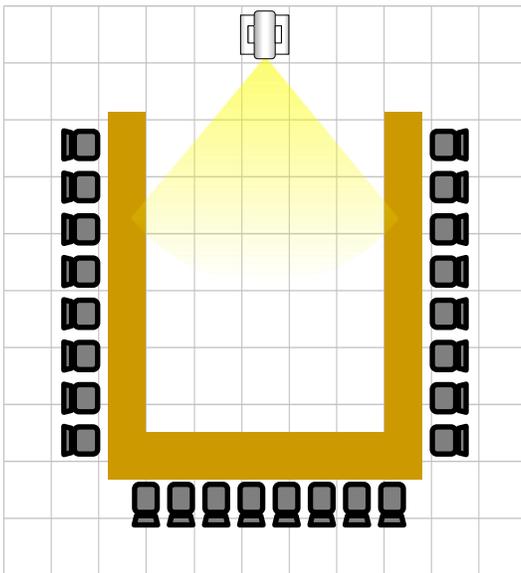# VoiceConnect Setting Guide

1. Introduction

The VoiceConnect feature enables OIP-N60D to receive audio volume data from multiple VC-TR60A cameras. It determines the speaker closest to each camera and automatically switches to the respective video feed. This extends the voice tracking range beyond the typical 8-meter limit, making it ideal for large meeting rooms or classrooms.
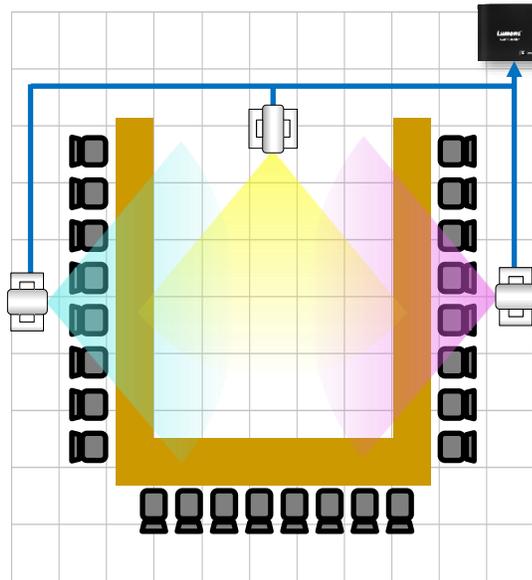

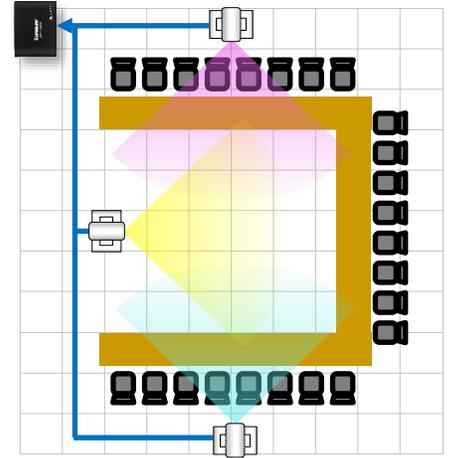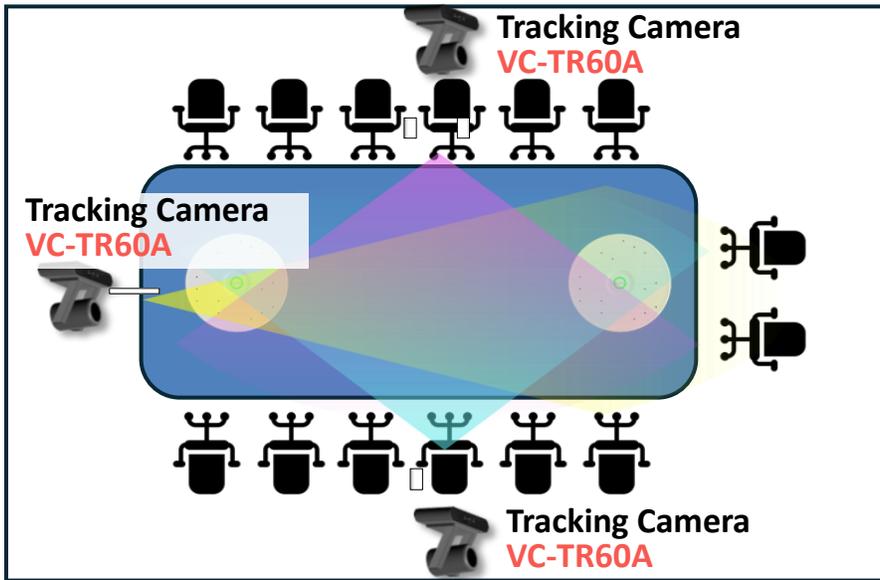**VC-TR60A** **+** **OIP-N60D** **=** **VoiceConnect**

Without
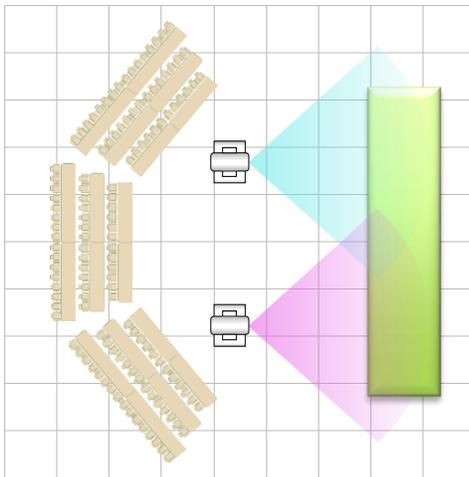

Single Voice Tracking Camera Covers

VoiceConnect

Multiple voice tracking cameras cover different zones to provide full tracking coverage across the entire

- **System Diagram e.g. Boardroom**

Tracking Camera
VC-TR60A

Tracking Camera
VC-TR60A

Tracking Camera
VC-TR60A

- **System Diagram e.g. Wide Classroom**

Tracking
Camera
VC-TR60A

Tracking
Camera
VC-TR60A

2. What You Need

- **OIP-N60D ×1**
    - OIP-N60D：**OIB130** or above
    - OIP-N60D, Dante AV-H：**OIC130** or above
- **VC-TR60A ×2–3 units** (The following example will use 3 VC-TR60A units)
    - VC-TR60A：VRK208 or above
    - VC-TR60A, V1: VRK300 or above
- **Network Connection**
    - All devices must be connected to the same LAN

※ VoiceConnect is a premium feature. Please contact Lumens to purchase a license and activate the VoiceConnect function.

3. Setup for OIP-N60D

◆ Step 1: Enable VoiceConnect

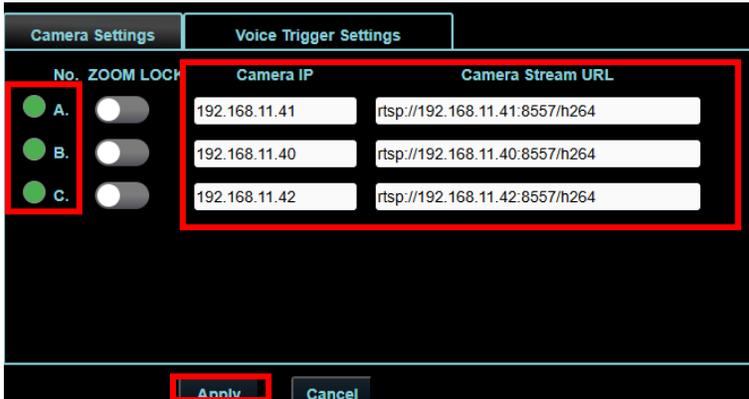→ Go to [System] → [Settings] → [VoiceConnect] →Enable [VoiceConnect Mode] -> Apply

◆ Step 2: Input camera IP & Stream URL

→ Enter VC-TR60As IP and RTSP stream, and then Apply. Follow the system architecture diagram (Using U-shaped mode as example), Camera A is the camera on the right side of Camera C, Camera B is the camera on the left side of Camera C,

and Camera C is the center camera. Make sure the light are **green**. If no, please confirm the RTSP URL and camera is work or not.
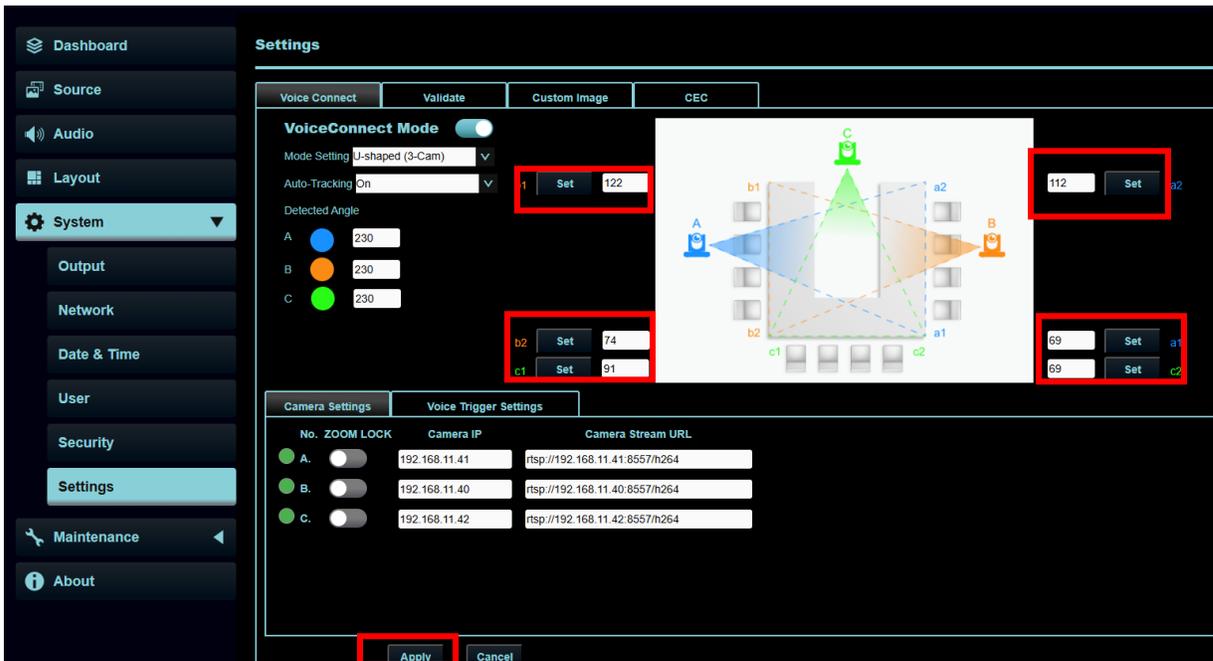

◆ **Step 3: Perform relative position calibration for each camera**

→ Follow the instruction and make continuous sound for 5–10 seconds at positions a1, a2, b1, b2, c1, and c2.

When the volume level becomes stable, press [Set].

After completing all positions, enable [Auto Tracking] on, and press [Apply].

◆ **Step 4: Configure Voice Trigger Settings**

→ Go to [Voice Trigger Settings] -> Set below setting -> [Apply]

● **Trigger Delay Time**: Timing to calculate to change the camera.
● **No Voice Trigger Action**: If you want to set up No Voice Trigger Action, please set [No Voice Trigger Action] to [Specify]. You can setup the timing and the video URL when there is no one speaking (e.g.: Panoramic video of VC-TR60A or other camera RTSP stream.)
● **Screen Stream URL:** You can specify a video URL when there is no one speaking.

Step 5: Audio Reference Settings

→ Go to [Voice Trigger Settings] -> Set below setting -> [Apply]

● **Audio Reference:** If you need to avoid speaker interrupt, select UAC, Audio in, or Dante as Audio Reference source.
● **Detection Sensitivity:** Sensitivity levels: High, Medium, and Low (from most to least sensitive).
● **Screen Stream URL:** You can specify a video URL when remote speaker is speaking.

Step 6: Conversation Mode Settings

→ Go to [Voice Trigger Settings] -> Set below setting -> [Apply]

● **Conversation Detection**: Enable/Disable conversation mode
● **Screen Switch URL**: You can specify a video URL when the conversation mode is enabled. (e.g.: panoramic video of VC-TR60A or other camera RTSP stream.)
● **Multi-Voice Frequency & Multi-Voice time**: OIP will enable Conversation mode when it switches the camera X times during Y second (e.g.: OIP switches to different VC-TR60A 3 times during past 30 second, it will enable conversation mode.)

- **Multi-Voice Release Time**: OIP will disable Conversation mode when someone is speaking at least Z second or no one speak at least Z second. (Minimum is 10secs.)
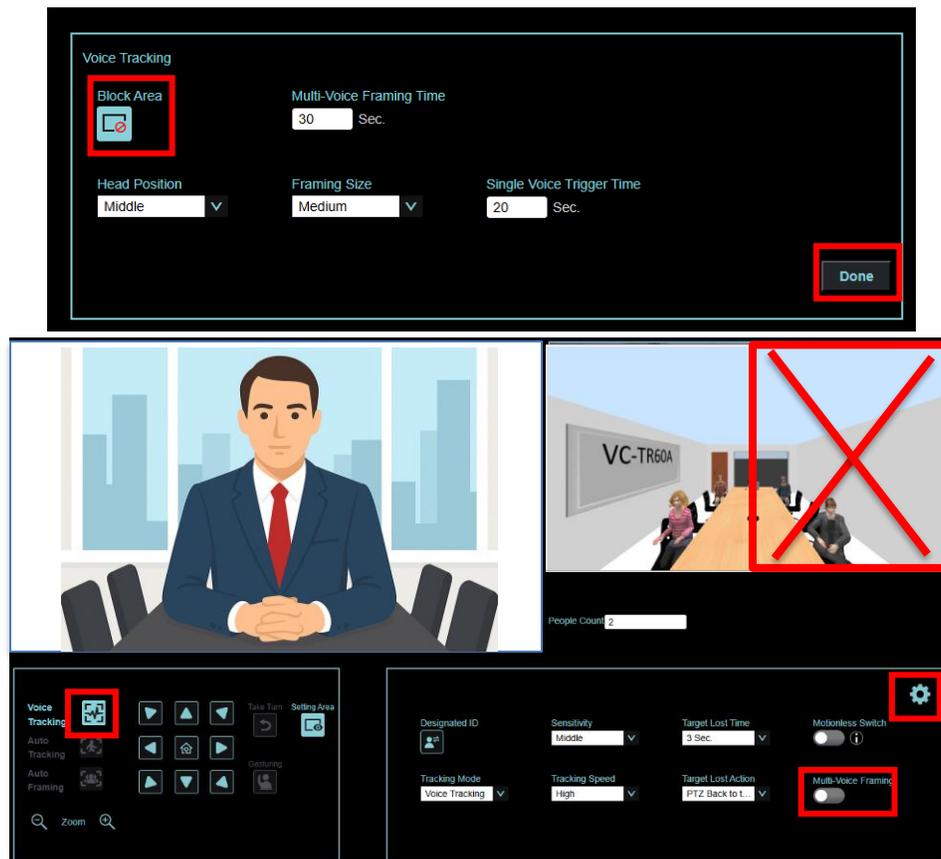
4. Setup for VC-TR60A

Step 1: Access the camera web page → [Tracking] → Disable Multi-Voice Framing.

Step 2: Go to Advanced Settings, define Block Areas where tracking is not needed.

Step 3: Enable Voice Tracking.

* Repeat the above steps for each camera.
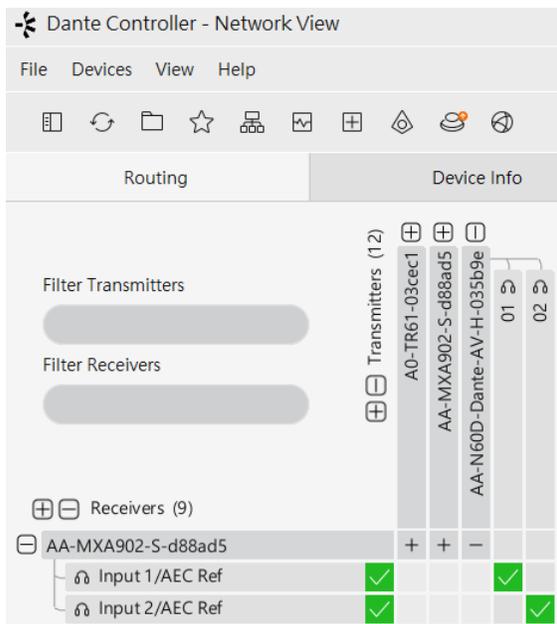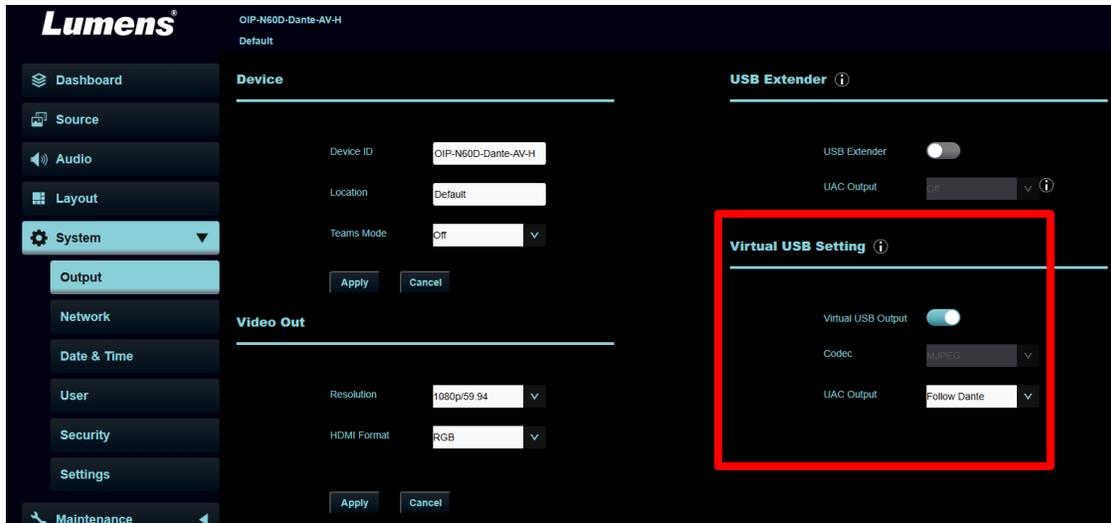

5. Setup for Audio Reference

- **Dante**

Step 1: Go to N60D webpage -> [System] -> [Output], Enable Virtual USB Output, and UAC out select Follow Dante.

Step 2: Go to Dante Controller -> Subscribe N60D Transmitter channel to Dante Speaker. (e.g. N60D send UAC audio output to Shure MXA902 Dante Speaker.)

● **UAC**

Step 1: Go to N60D webpage -> [System] -> [Output], Enable Virtual USB Output, and UAC out select Follow Video Stream, Follow Dante, or Follow Routing.

Step 2: N60D connected to PC via USB cable, and then Select N60D as PC sound output device.

- **Audio in**

Step 1: Connect your 3.5mm Audio Cable from the DSP to N60D audio in port.

6. Limitations

- Supports RTSP stream only.

- Dante AV-H stream not supported (expected in future firmware update)

- HDMI output: up to 4K60; UVC output: up to 1080P30.

7. Support

For installation or configuration support, please contact Lumens technical support team to assist.