

VIVOTEK

A Delta Group Company

VIVOTEK IP Network Audio Solution

User Manual

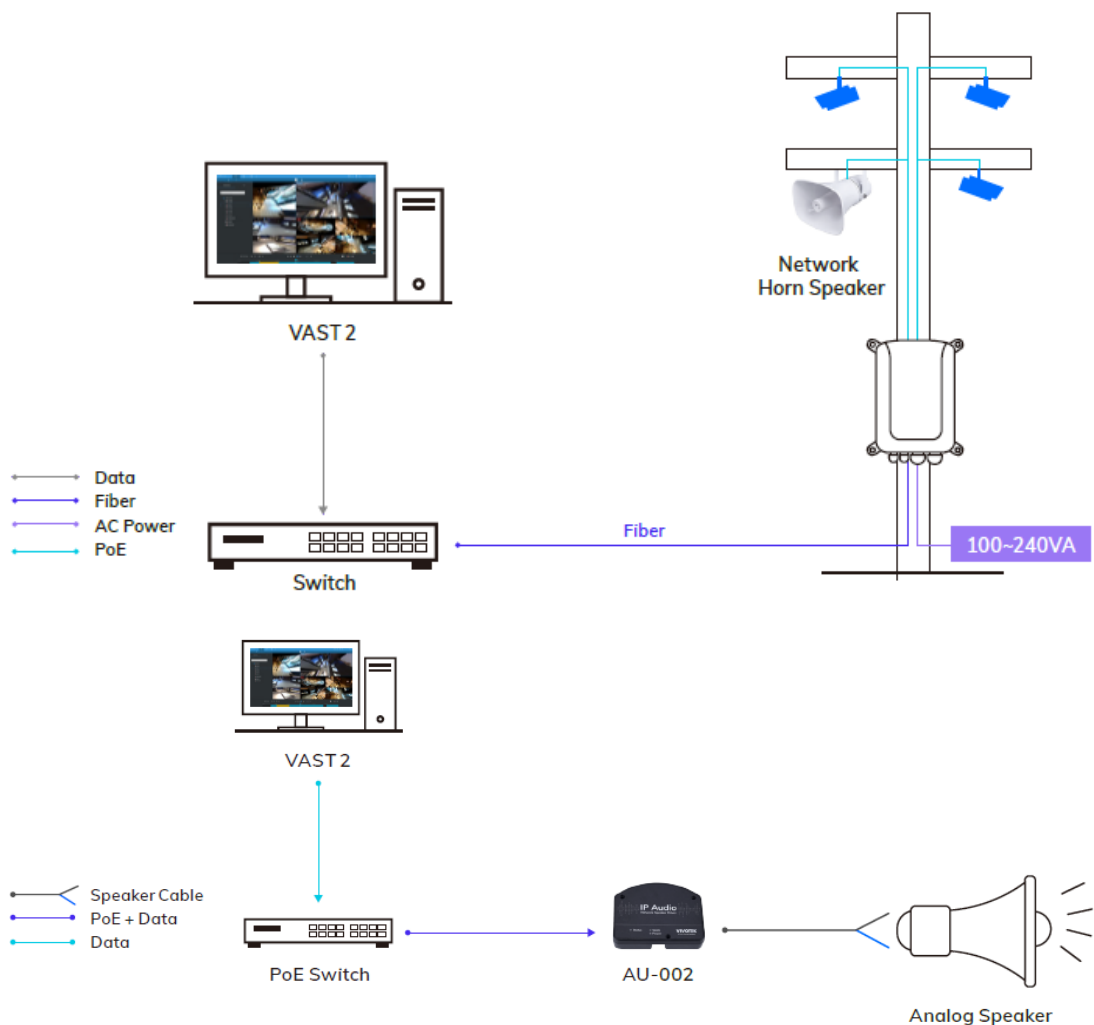
Version 1.0.1

1. Introduction

IP network audio devices with VAST2 VMS are the next generation network based on TCP / IP audio broadcasting technology, with standard SIP protocol to support one by one VoIP call or Multicast Broadcast protocol to allow users to broadcast multiple audio devices.

With VAST2 alarm management, all the triggering events can be set for auto broadcasting, this application has diverse usages on all scenarios, such as school, factory, transportation, retail...etc.

2. System Architecture



3. Use Shepherd to search for AU-001 & AU-002.

1 selected

IP range: 192.168.40.0~192.168.40.255

Status	Model	IP	MAC	Firmware	HTTP	HTTPS	Client
	AT8131-SF	192.168.40.76	00-02-D1-6B-4A-FD	0104c_SF11	80	443	
	AU-001	192.168.40.96	00-02-46-63-A7-4C	AU001_FW0...	80		
	AW-GEV-264A-185	192.168.40.9	00-02-D1-46-E2-BB	0119	80		
	CC8370-HV	192.168.40.224	00-02-D1-44-9C-6F	0213b	80		
	CC8371-HV	192.168.40.46	00-02-D1-66-AD-0A	0113b	80		
	CC9380-HV	192.168.40.37	00-02-D1-93-35-3B	2.2002.13.0...	80		
	CC9381-HV	192.168.40.90	00-02-D1-88-7E-96	2.2002.13.0...	80		
	FD8131V	192.168.40.47	00-02-D1-19-BB-17	0301c	80		
	FD8133	192.168.40.22	00-02-D1-0F-B0-89	0301c	80		
	FD8134	192.168.40.223	00-02-D1-0F-B1-CC	0301c	80		
	FD8137H	192.168.40.11	00-02-D1-24-C5-1E	0200e	80		
	FD8166A-N	192.168.40.42	00-02-D1-6B-71-16	0100f	80		

Double click on AU-001 to open the web UI.

Username: admin

Password: 1234

(Password can be changed in Advance Setup -> System -> Administrator Settings)

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Simple Setup | Advance Setup

Home

- Broadcast Status
- Broadcast Record
- Audio Configure
- Broadcast Setup
- Advance Setup
- System
- WAN
- Backup/Firmware
- Reboot
- Language/ 語言
- Save Modification

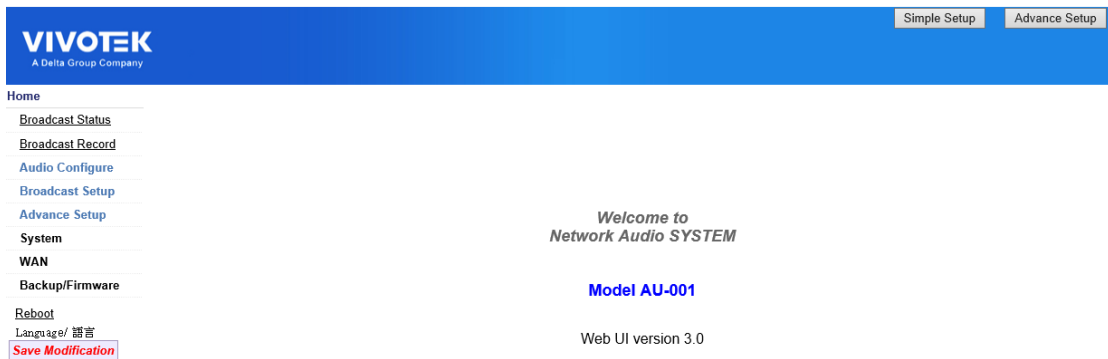
Welcome to
Network Audio SYSTEM

Model AU-001

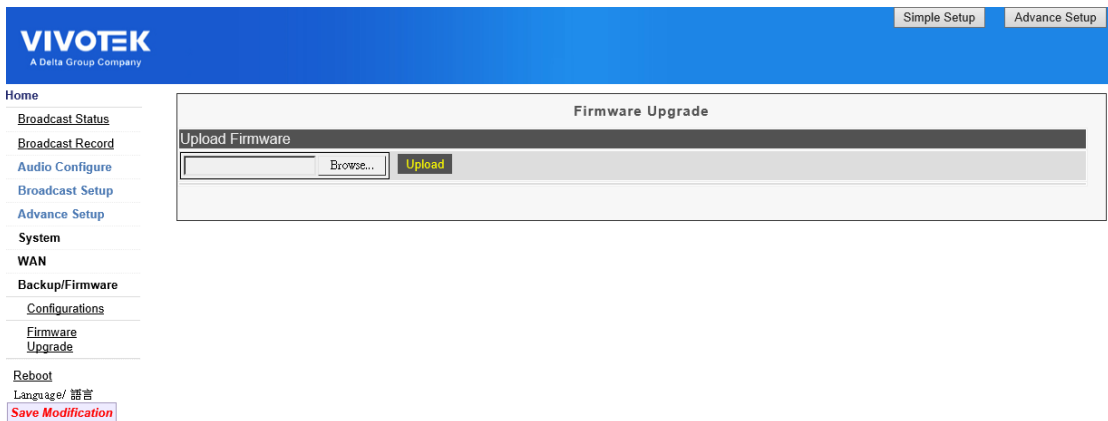
Web UI version 3.0

4. Upgrade F/W

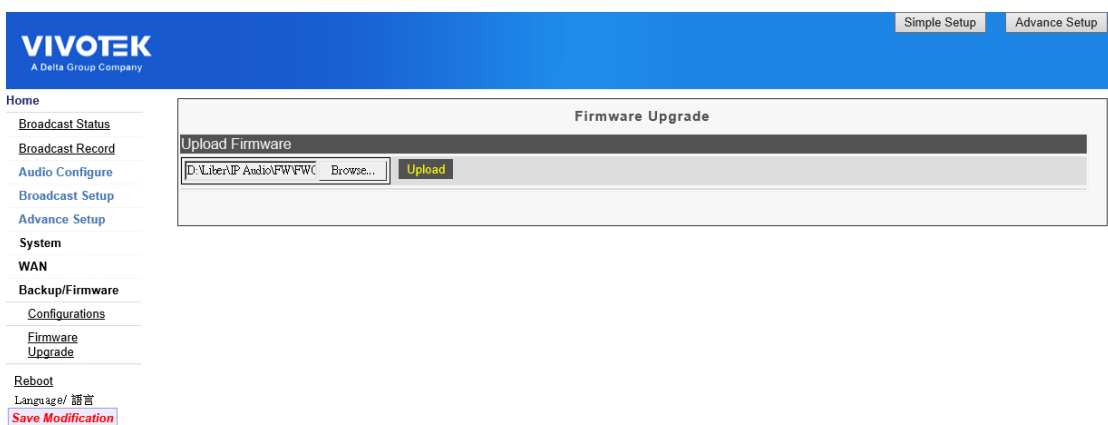
Sign in to the AU-001/AU-002 web page



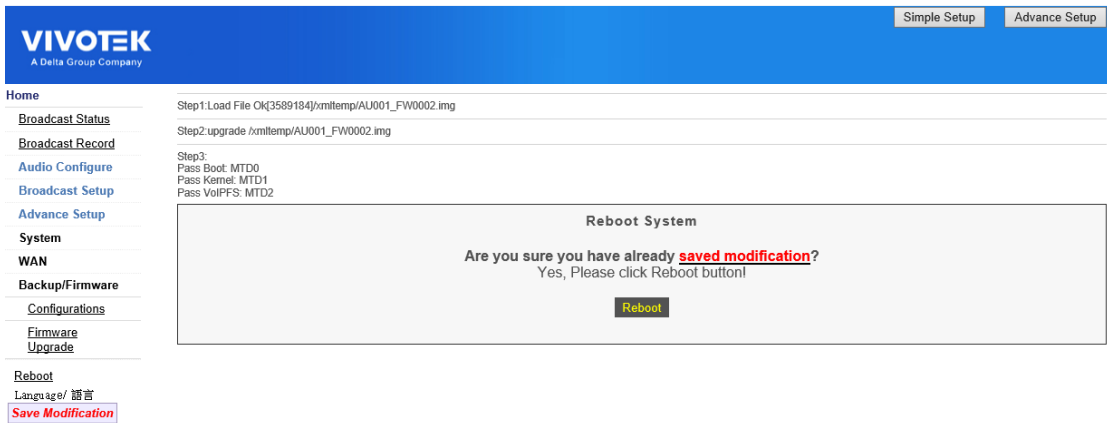
Click Backup/Firmwre and choose Firmware Upgrade, find Upload Firmware



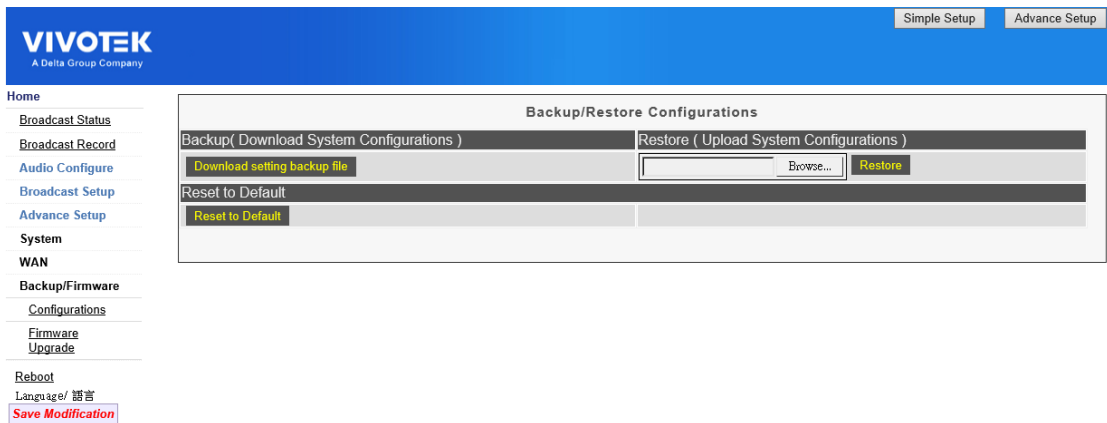
Choose F/W image and upload then press the Upload button



Reboot the device



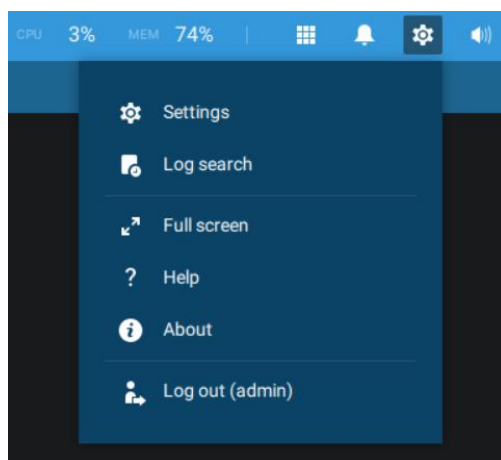
It is highly recommended to run Reset to default after a firmware upgrade, click Backup/Firmware, and next choose Configurations, press Reset to Default button to restore the setting.

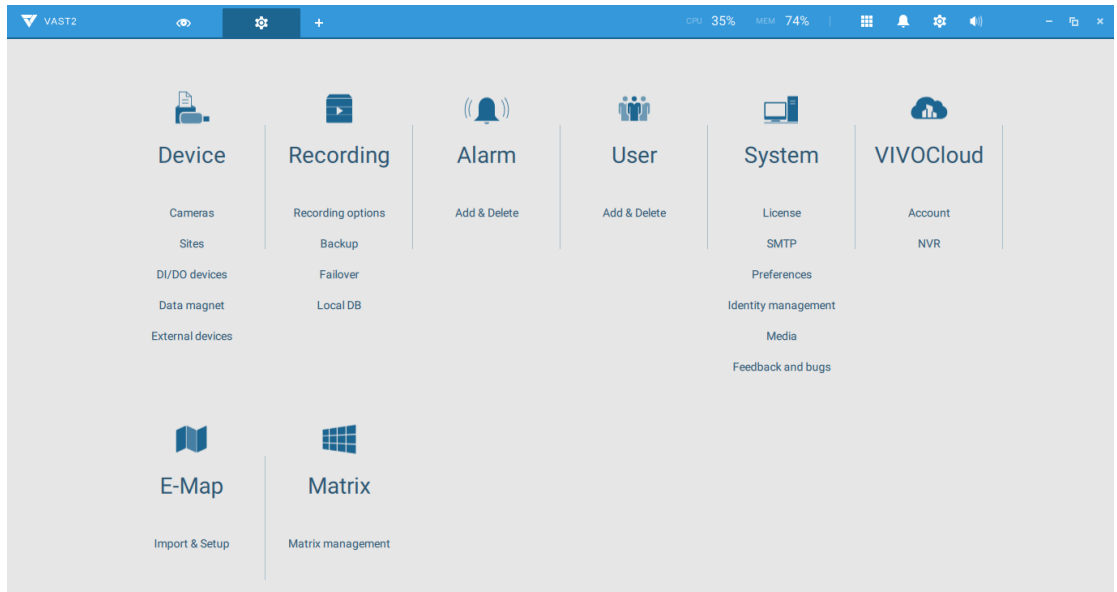


5. VAST2 Setup

Install VAST2_ 2.13.0.7100(64-bit) Server and Client.

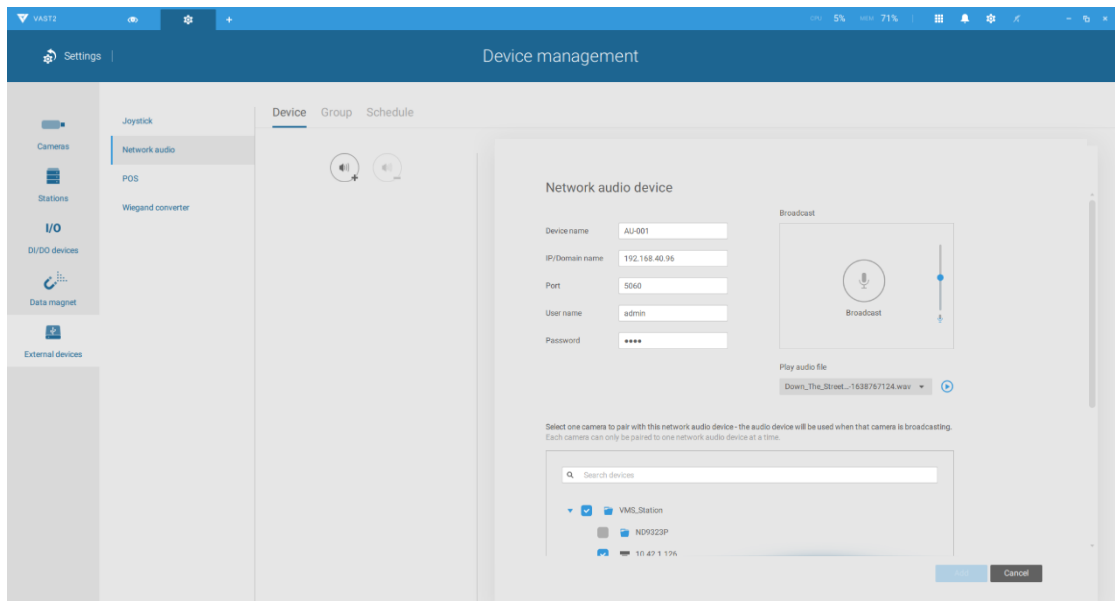
- a. Go to Settings





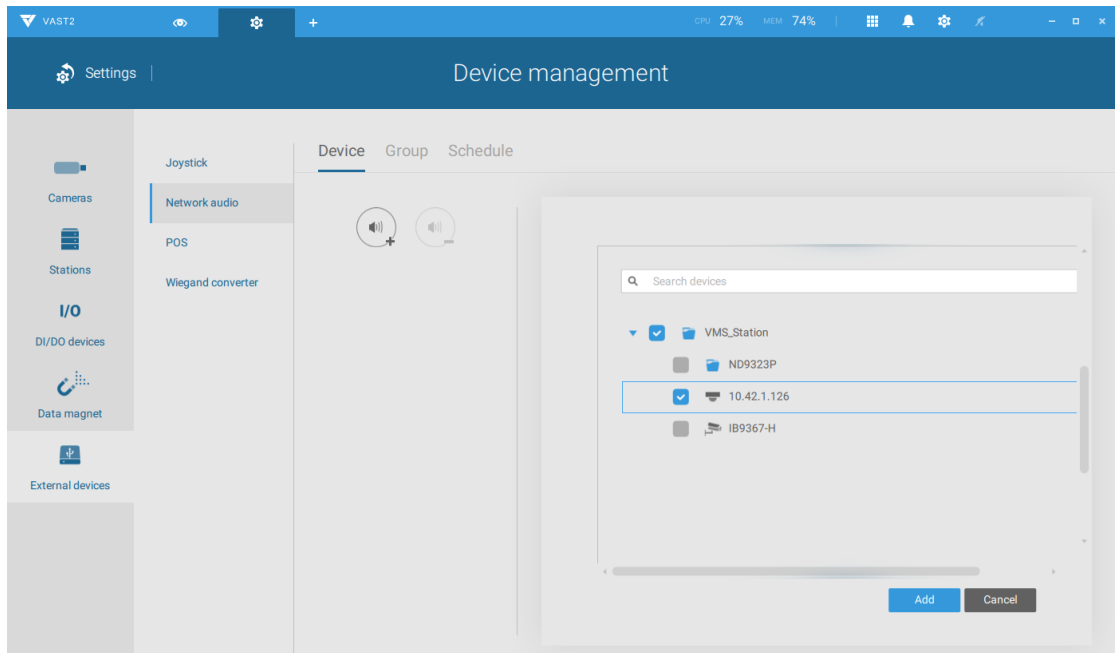
Go to Device / External Devices.

b. Click on Network Audio and Add to enter your audio device.



*The port number is 5060 for AU-001 and AU-002.

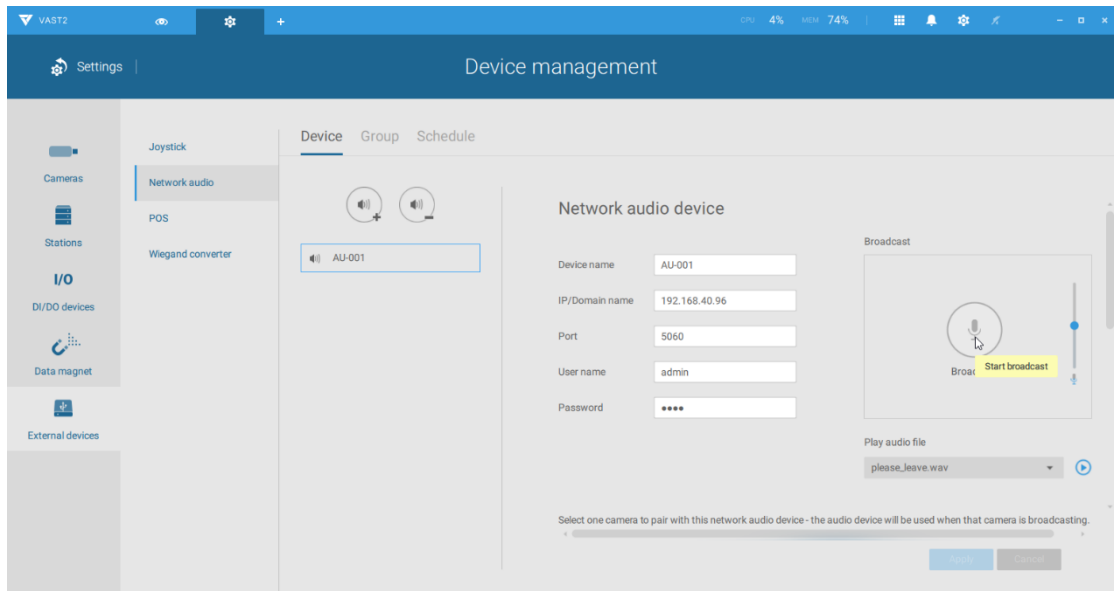
c. Binding a speaker with your IP camera.

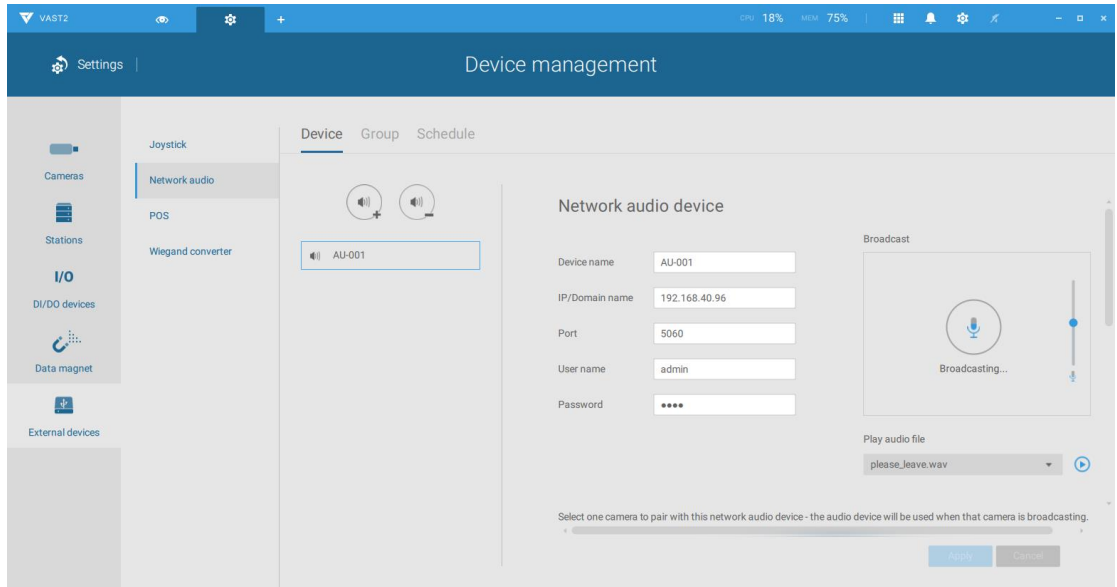


You can choose one or more cameras to synchronize a speaker with camera broadcast on the Liveview.

Click on Apply after setup.

d. Click on Broadcast to test if the connection is established.

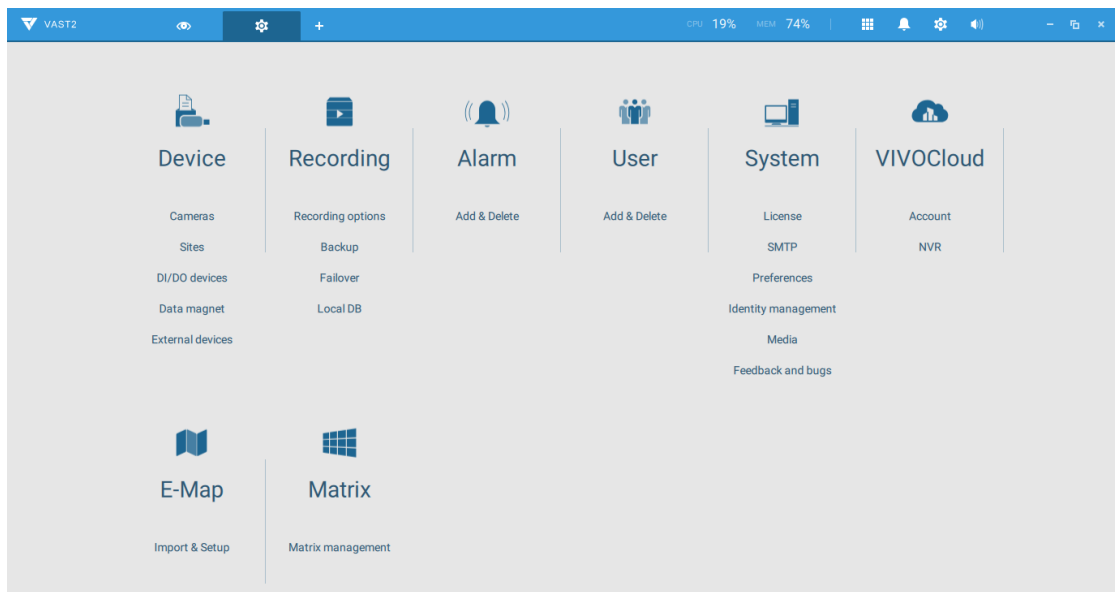




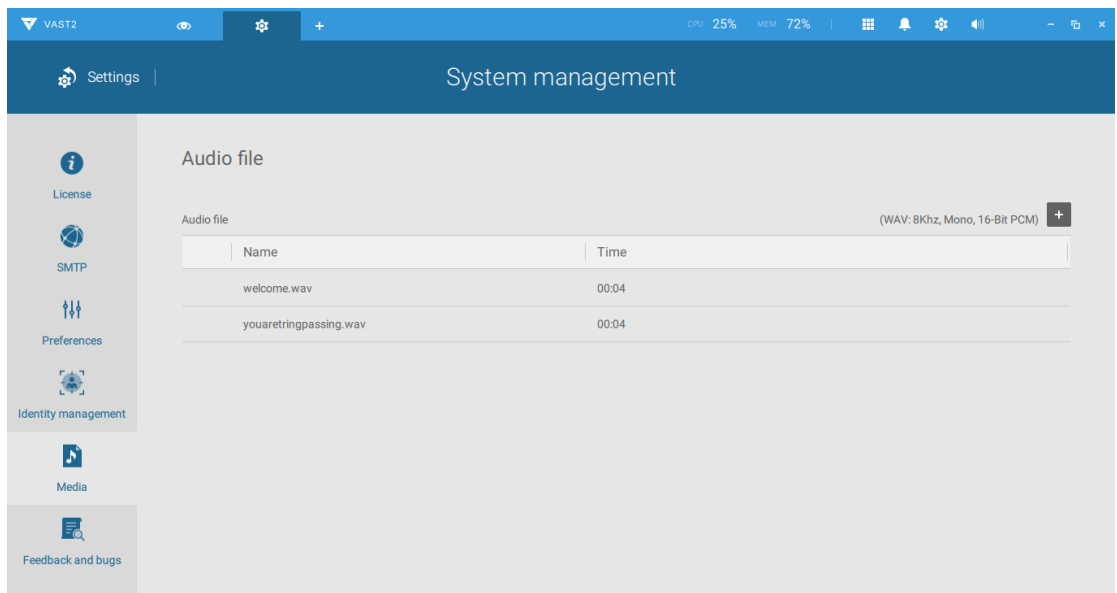
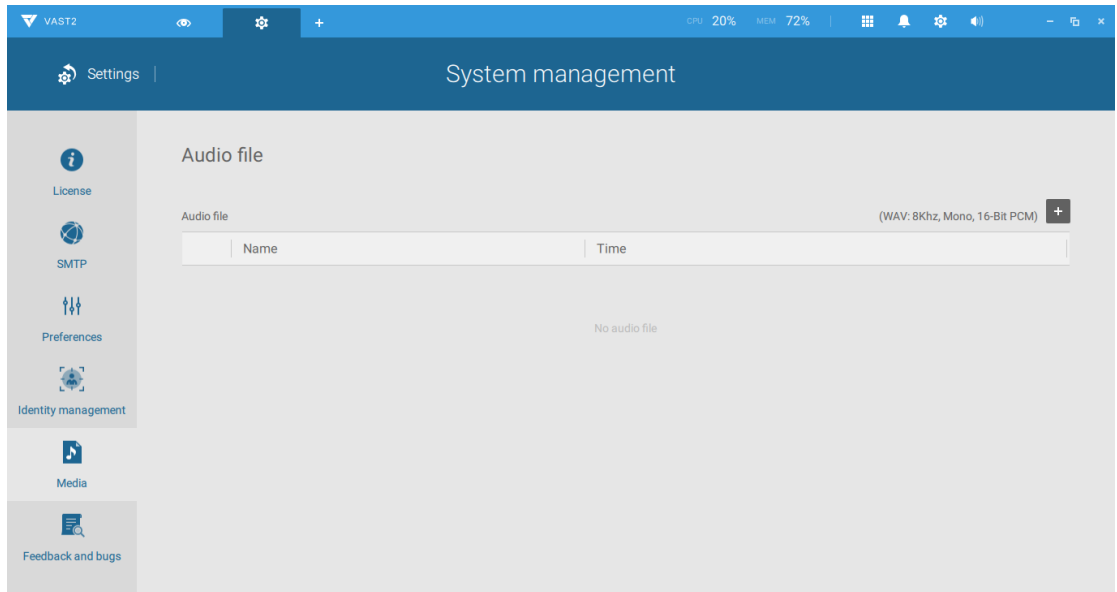
e. One more click to stop the broadcast.

f. Upload your broadcast audio files.

Go to System / Media.



Click on Audio file to upload your audio clip file.



Please note that the audio format must be WAV with 8Khz, Mono, 16-Bit PCM.

You can use this website for free converter <https://g711.org/>.

Choose Standard Definition WAV (8Khz, Mono, 16-Bit PCM)

G711 File Converter

This free tool will convert just about any DRM-free media file into audio that's compatible with most telephony vendors' Music on Hold and IVR Announcements.

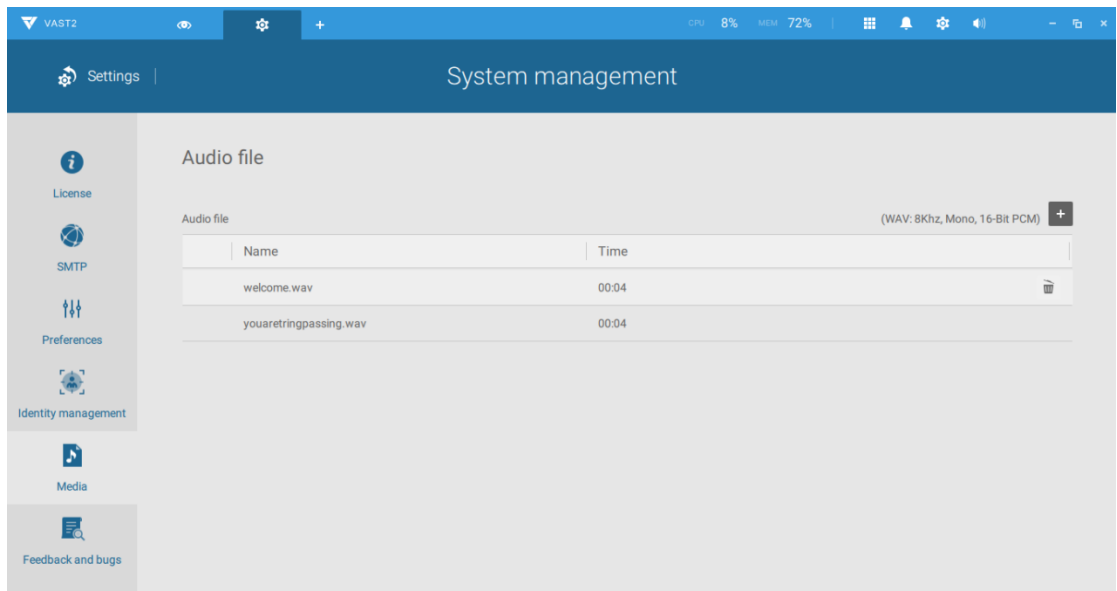
Source File

Note: 50MB Maximum File Size

Output Format

- u-law WAV (8Khz, Mono, u-law)
- a-law WAV (8Khz, Mono, a-law)
- Standard Definition WAV (8Khz, Mono, 16-Bit PCM)
- High Definition WAV (16Khz, Mono, 16-Bit PCM)
- Asterisk G.722 (16Khz, Mono, G.722)
- Asterisk G.729 (8Khz, Mono, G.729)
- Asterisk RAW (8Khz, Mono, RAW)
- Development (Non-Functional: Coming Soon)

You can delete the file by a click on the trash can icon at the right side of file.



g. Test the sound on speaker.

Go to External Devices\Network Audio and select your speaker, then scroll down to the bottom.

Choose the file you want to test and click on play, VAST2 will broadcast the file to speaker.

Network audio device

Device name

IP/Domain name


Port

User name

Password

Broadcast

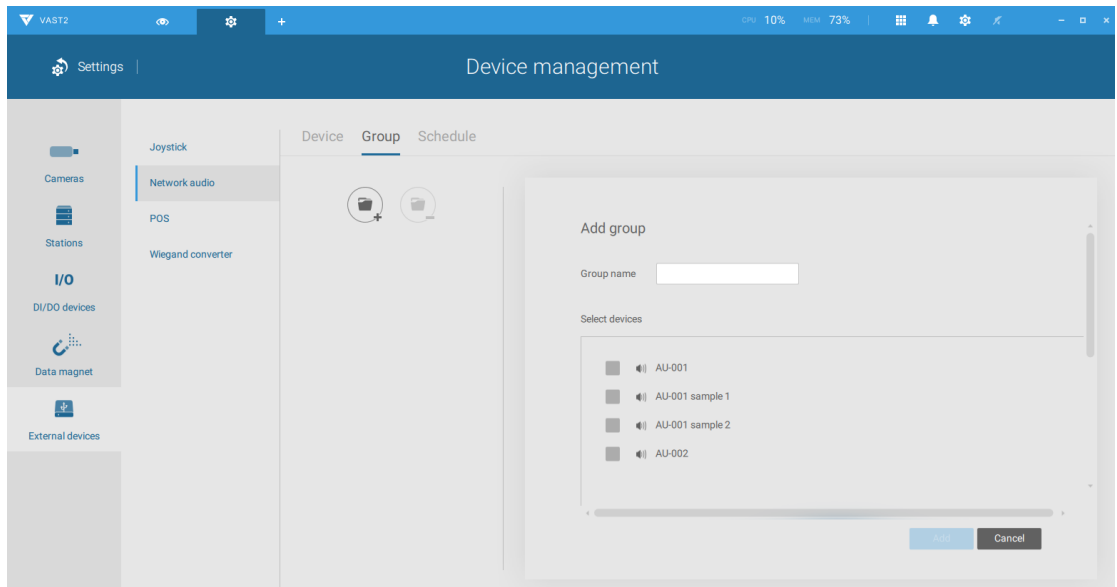
Play audio file



h. Add broadcast group

Go to Device / External Devices / Network audio / Group

Fill in a new group name and you can select which audio devices to join this new group.



VASTZ Settings | Device management

Joystick
Cameras
Stations
I/O
DI/DO devices
Data magnet
External devices

Network audio
POS
Wiegand converter

Device Group Schedule

Add group

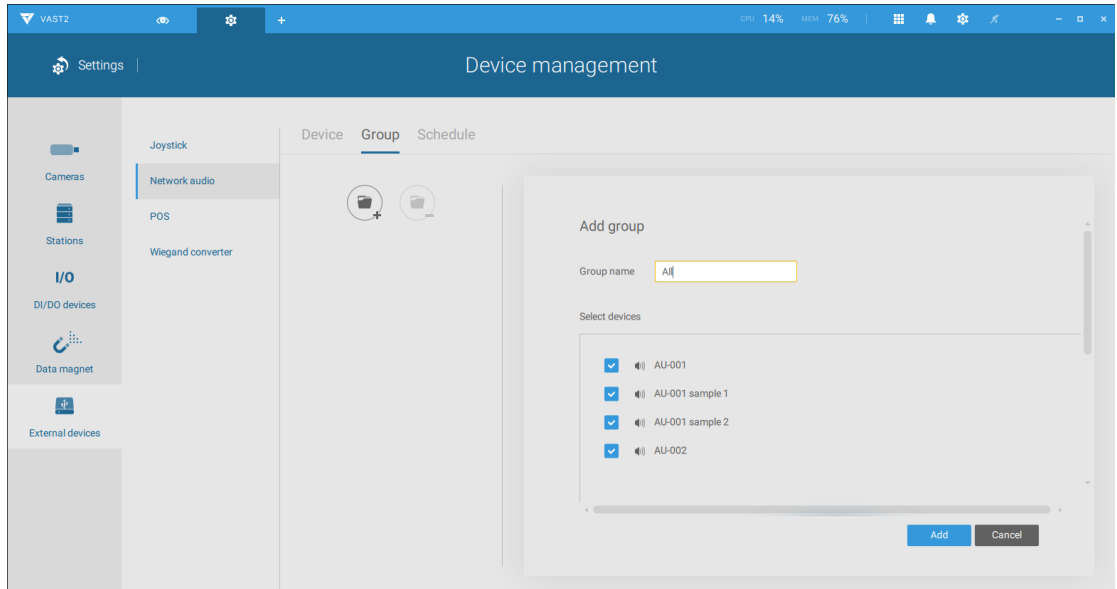
Group name

Select devices

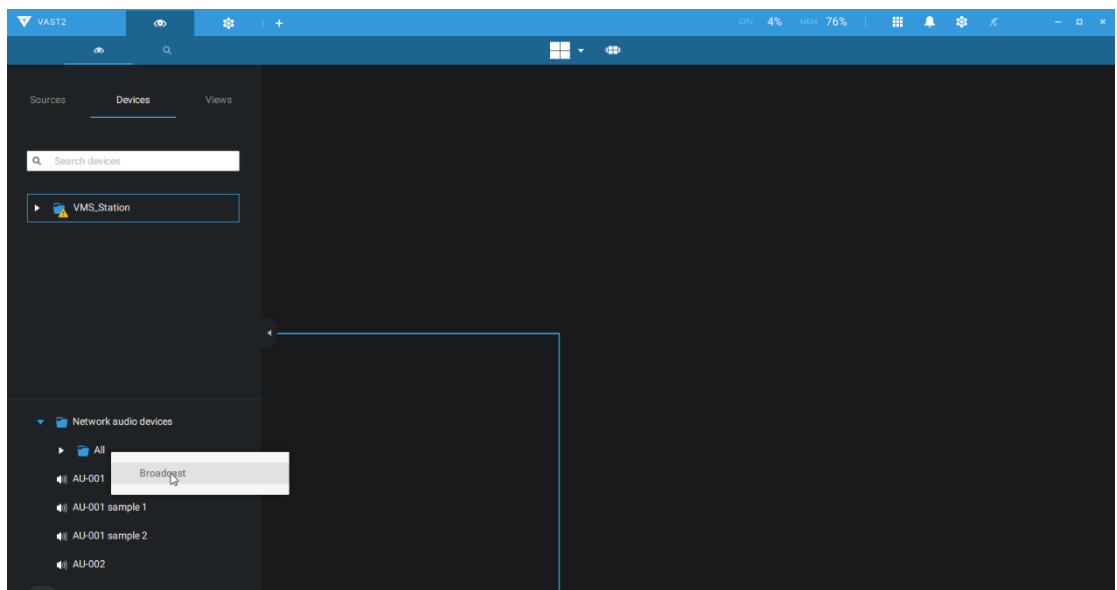
- AU-001
- AU-001 sample 1
- AU-001 sample 2
- AU-002

Add Cancel

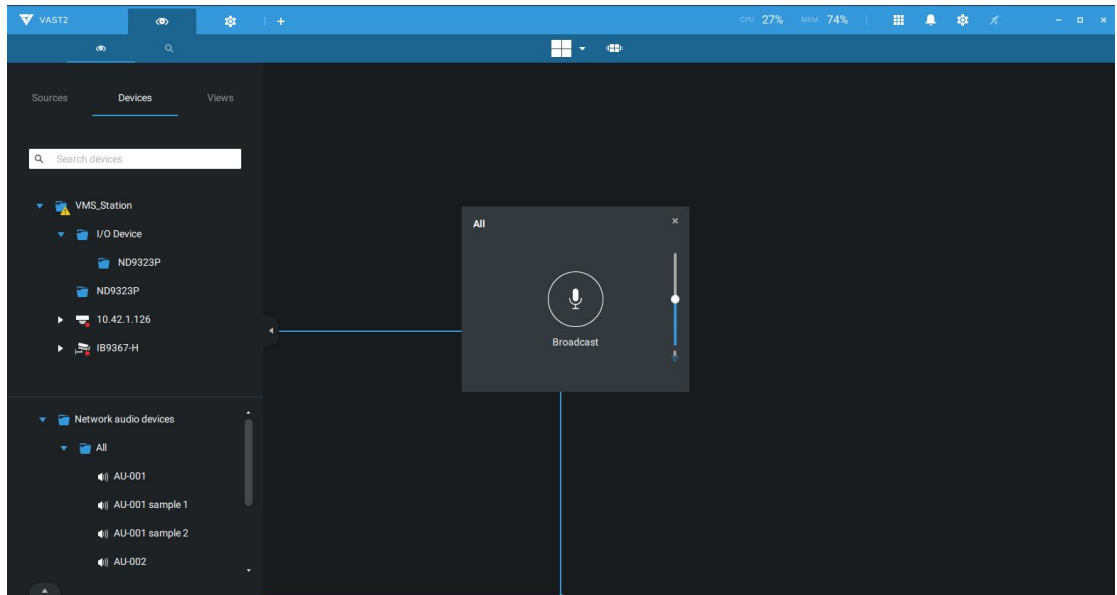
Press Add



Go to VAST 2 Live view and choose the left side sidebar. Select the tab of Devices, find your Network audio devices group and right-click choose Broadcast.

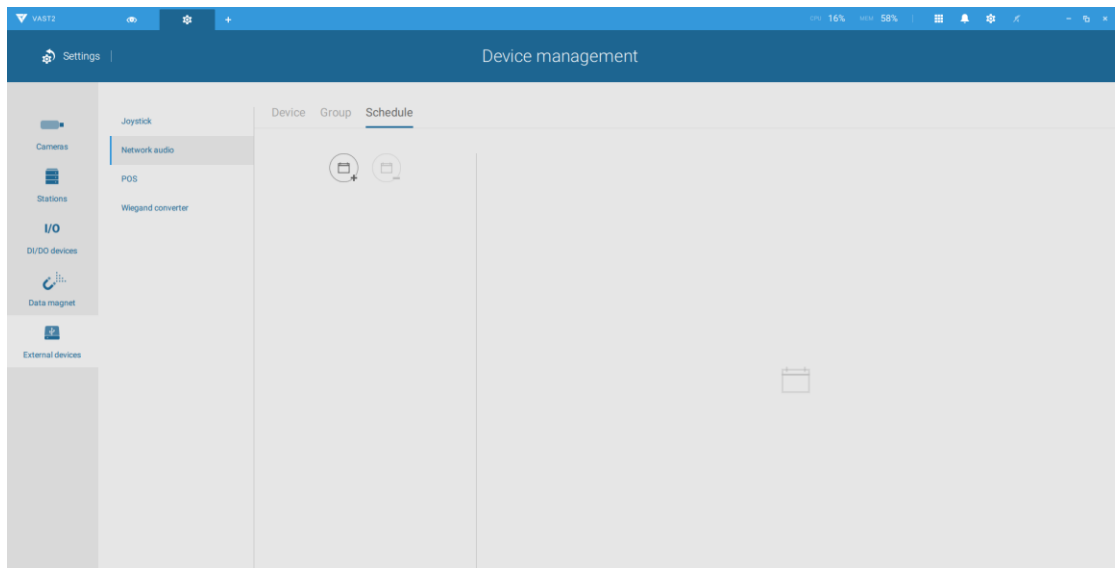


You can then see the microphone icon in the middle of VAST2. Click on Broadcast and you can speak to the audio device of the group.



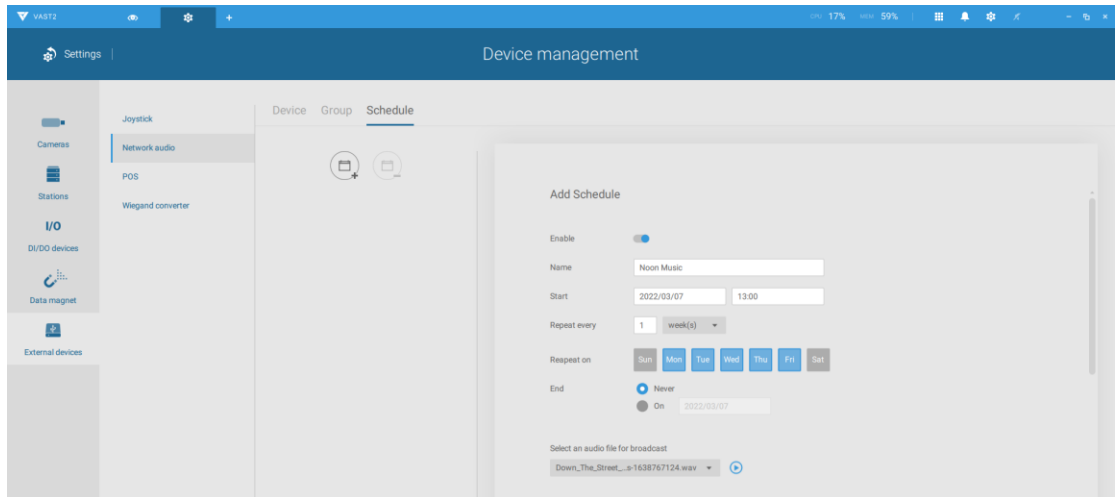
i. Add Schedule broadcast

Go to Device / External Devices / Network audio / Schedule

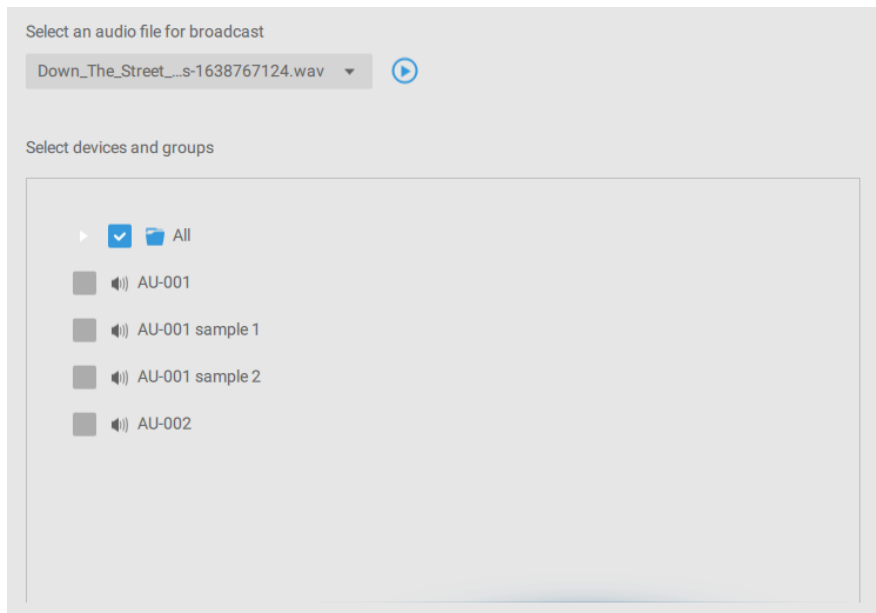


Create a name for your schedule and choose which time you want to automatically run this schedule broadcast in the Start section and please choose which days you want the end of this schedule.

If you want to repeat this broadcast Monday to Friday at 13:00, please choose Repeat every week and click Repeat on Mon to Fri, last make it never end of this schedule.



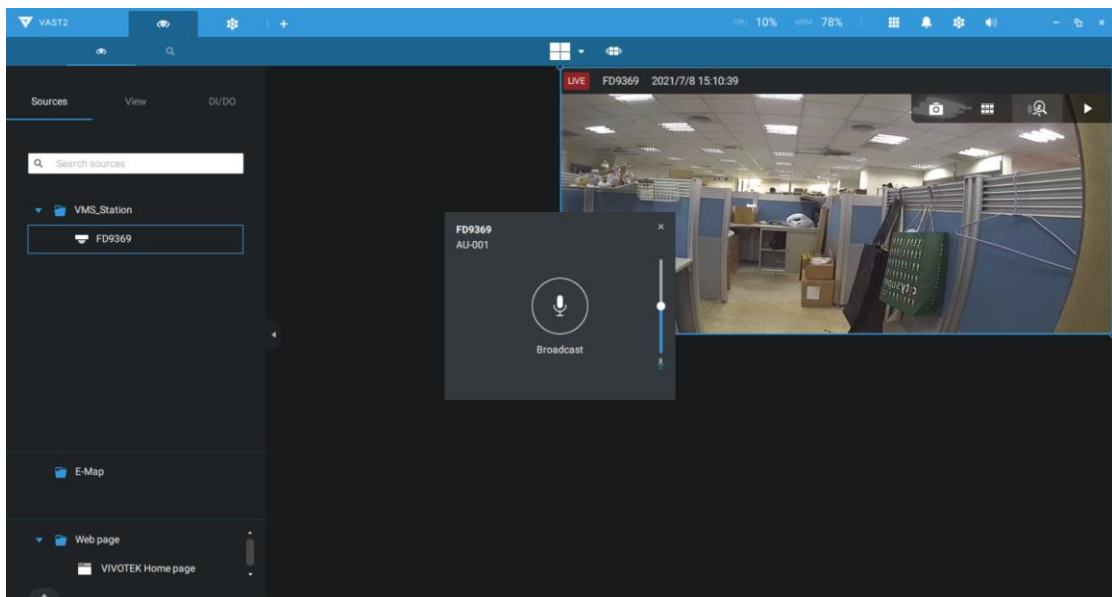
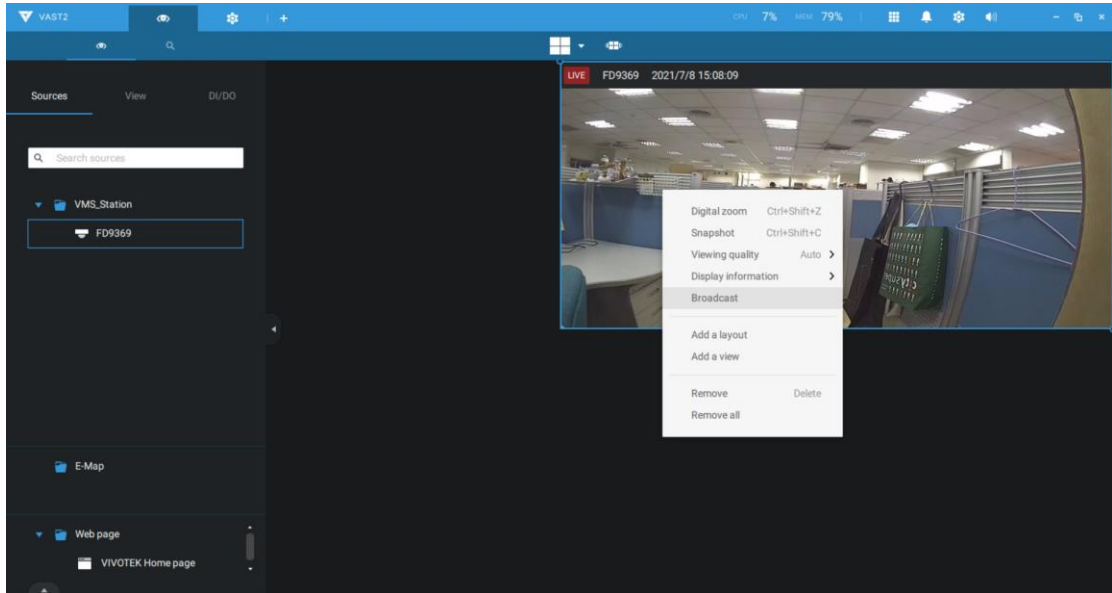
Furthermore, you can choose which audio file and audio group you want to run up with this schedule.



6. VAST2 Live view Broadcast

Go to Live view and drag the camera which have already been bound with a speaker on the view cell.

Right click on the view and choose Broadcast.

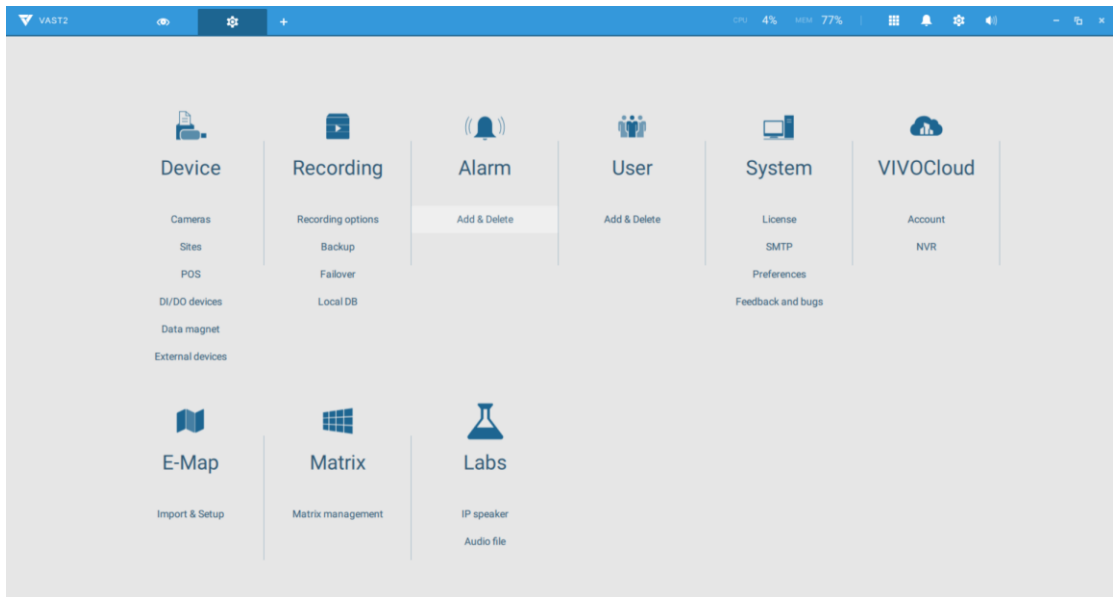


You can then see the microphone icon in the middle of VAST2.

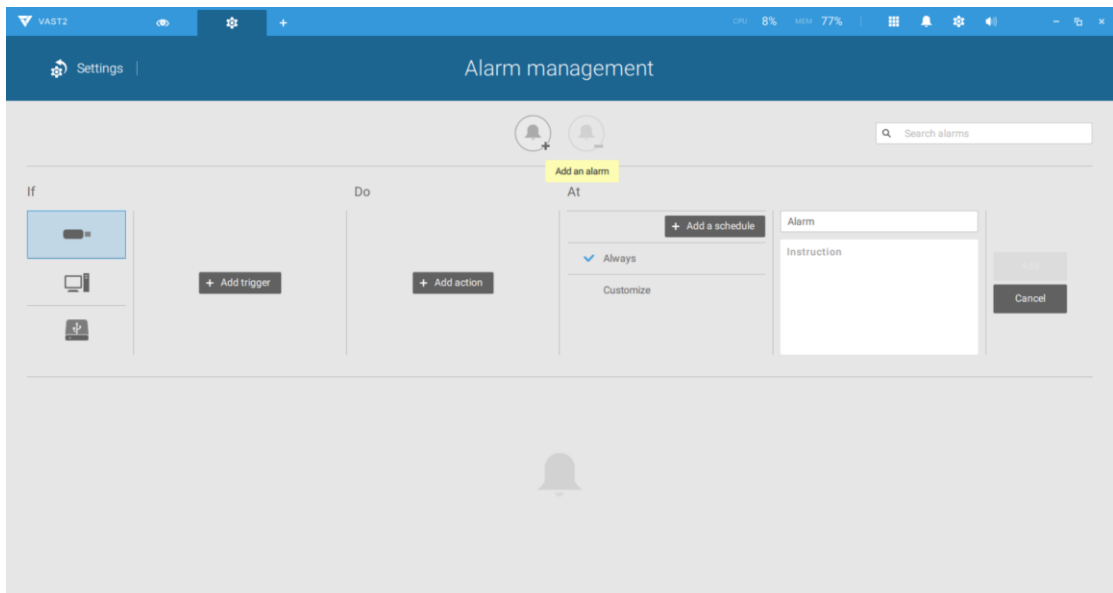
Click on Braodcast and you can speak to the audio device.

7. VAST2 Alarm Setting

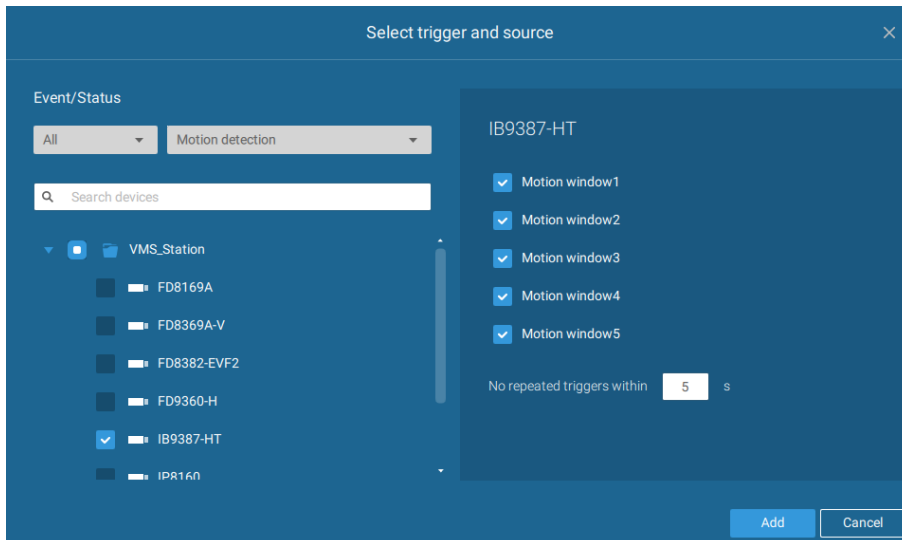
Go to Settings and click on Add & Delete.



Click on Add an alarm.

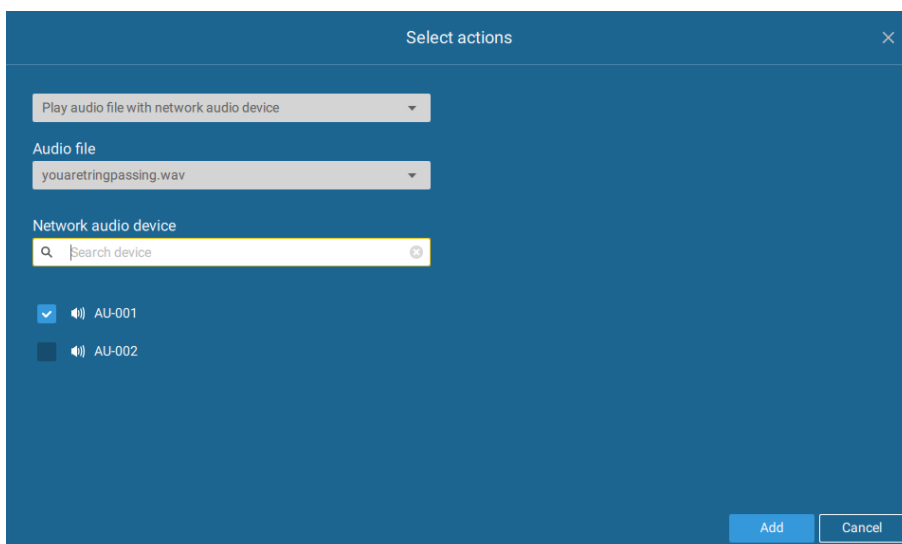


Add a triggering event and the camera you want to configure.

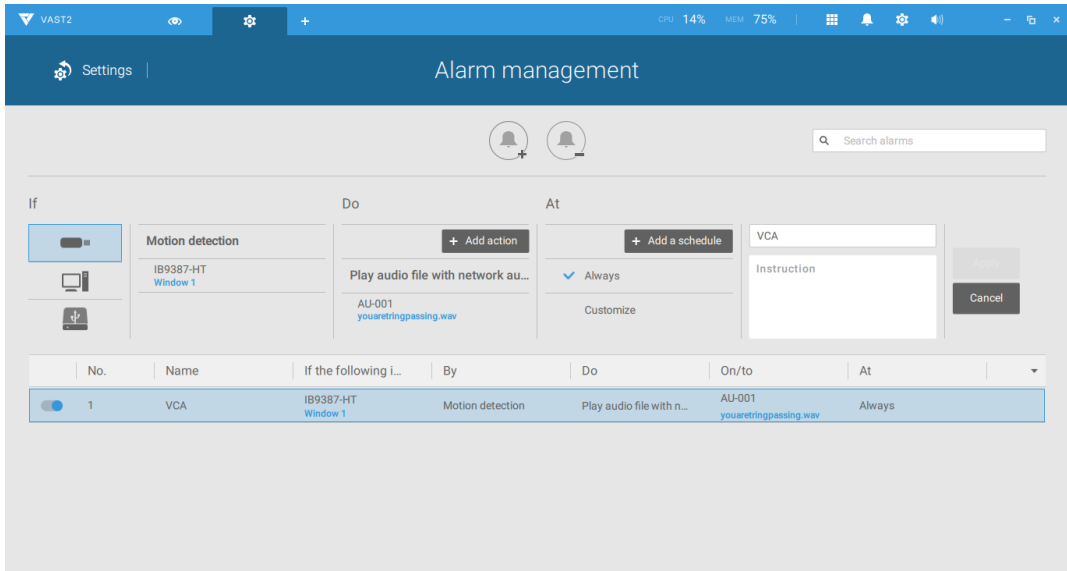
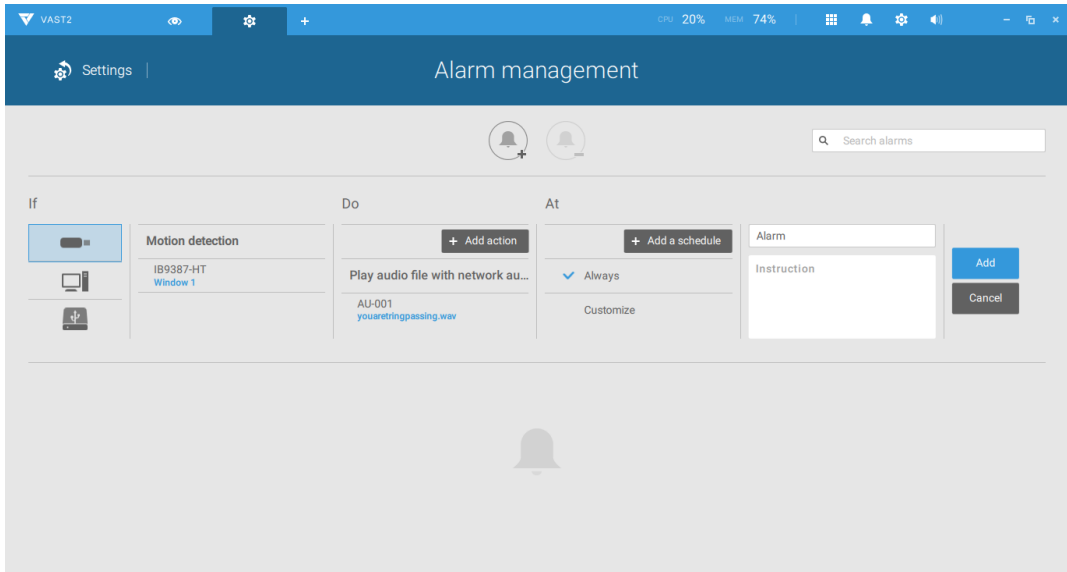


Add action.

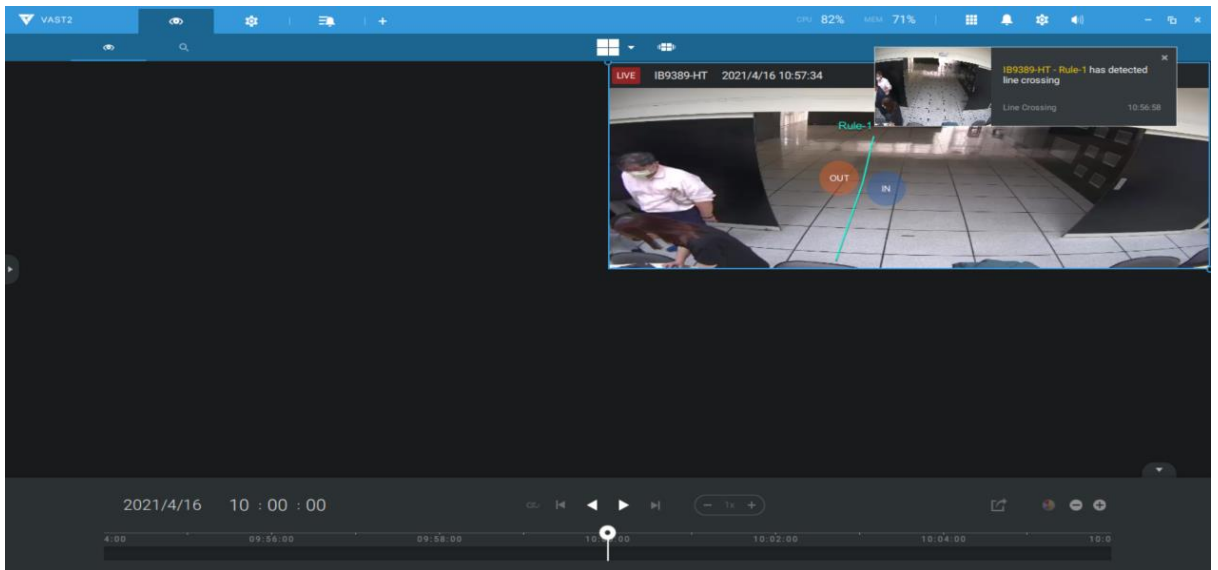
Select Play audio file with IP speaker then choose the audio file and device.
(Please upload audio file first, refer to section3-d.)



Choose a schedule and enter alarm name/instruction, then click Add.



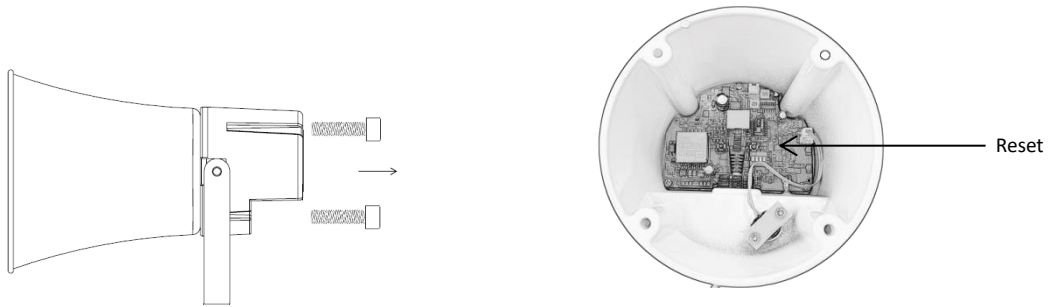
When an alarm is triggered, VAST2 will pop up with a recording clip and the IP speaker will broadcast the selected audio file automatically.



8. Reset to default

AU-001

Please remove the back cover from Network Audio Hom Speaker, you will find the reset button on the PCB board. Power on AU-001, make sure the status green LED is on, press and hold the reset button for 5 seconds until the green LED turns Red and blinks and then release.



AU-002

Please find the reset button on the AU-002 rear side, power on the AU-002, make sure the status green LED is on, press and hold the reset button for 5 seconds until the green LED turns Red and blinks then release.

