



# MT300N

## Training Session

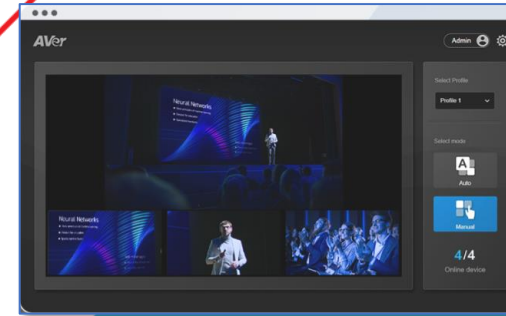


# What is MT300N

## MT300N

## Matrix Tracking

## NDI<sup>®</sup>HX



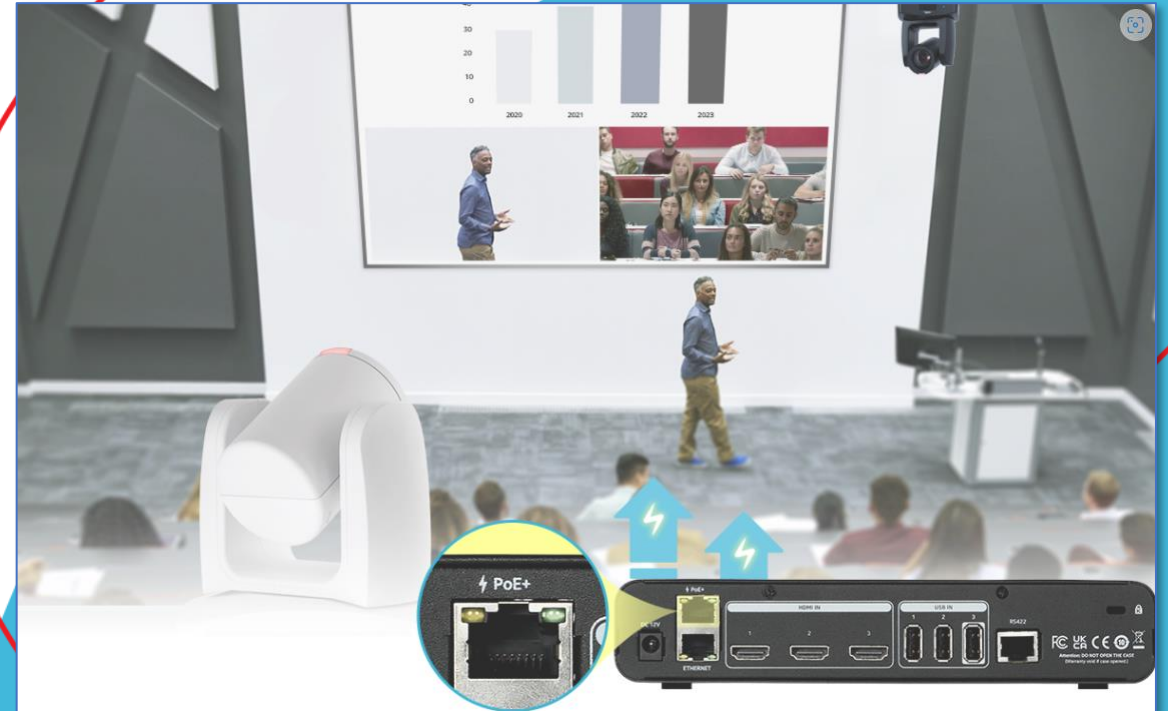
**Video Matrix: Easily combine different video sources to enhance presentations, lectures, training sessions, etc.**



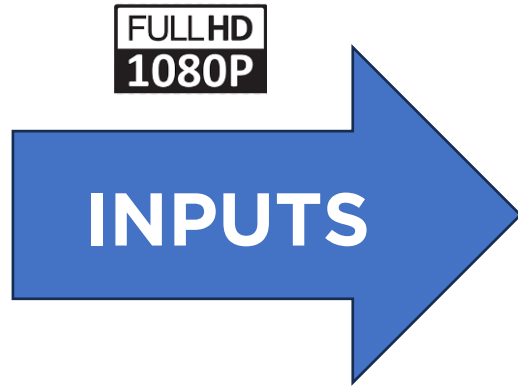
**Audio Tracking: Easily turn AVer's PTZ Cameras into a voice tracking camera**

# Applications

- **Rooms with multiple cameras that require switching different layouts with minimum effort**
- **Meeting and training spaces that need speaker tracking with multiple camera auto/switching**
- **Rooms that require unifying different format video signals into a true 4K plug & play solution**
- **Large spaces looking for multiple camera streaming with one single click**



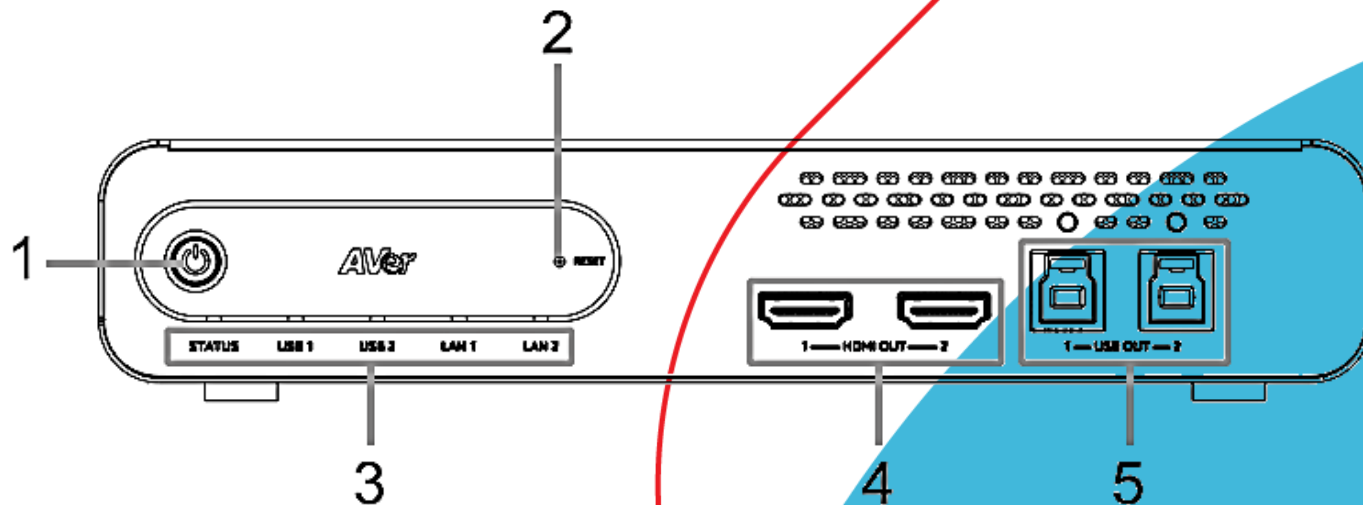
# Inputs & Outputs



- Up to 7 video signals
- Combining HDMI, USB, IP/RTSP and NDI<sup>®</sup> HX3

- Layouts combining multiple video signals
- Manual or audio tracking based
- HDMI, USB, IP/RTSP and NDI<sup>®</sup> HX2

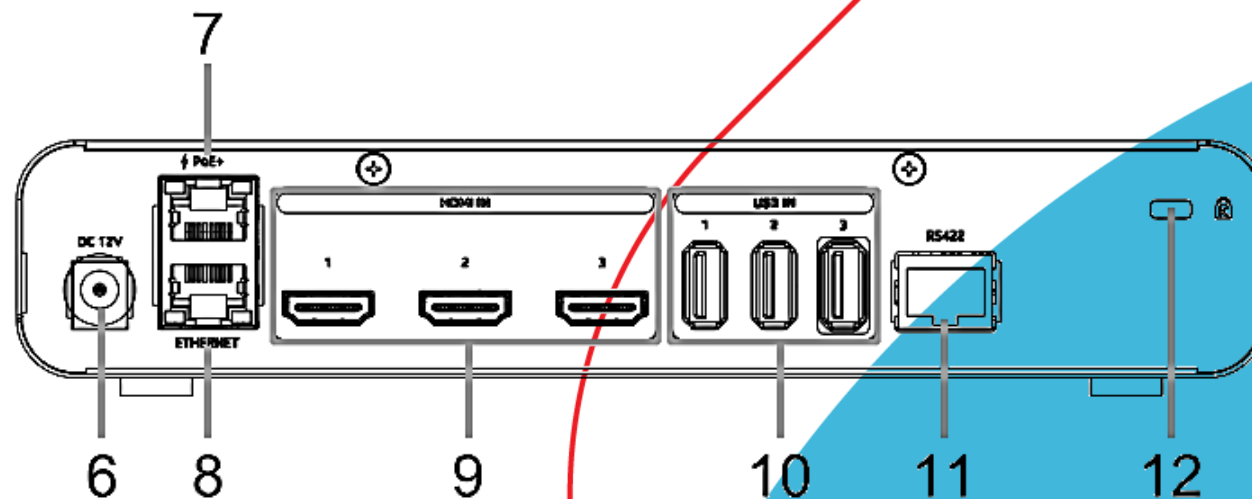
# Inputs & Outputs



## Front Panel

1. Power Button
2. Reset Button
3. Status LEDs
4. HDMI Out Port\*2
5. USB Out 3.0 Port (Type-B)\*2  
(Only 1 USB output each time)

# Inputs & Outputs



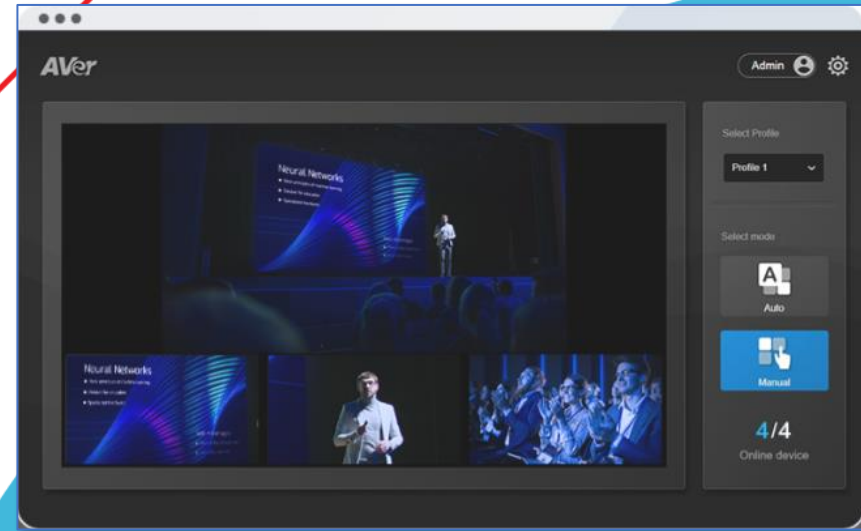
## Back Panel

- 6. DC Power Jack
- 7. PoE+ Port IEEE 802.3AT
- 8. Ethernet Port
- 9. HDMI In Port\*3
- 10. USB In 2.0 Port (Type-A)\*3
- 11. RS-422 Port
- 12. Kensington Lock

**Recommendation: use POE+ connector to link with the rest of room devices**

# Control

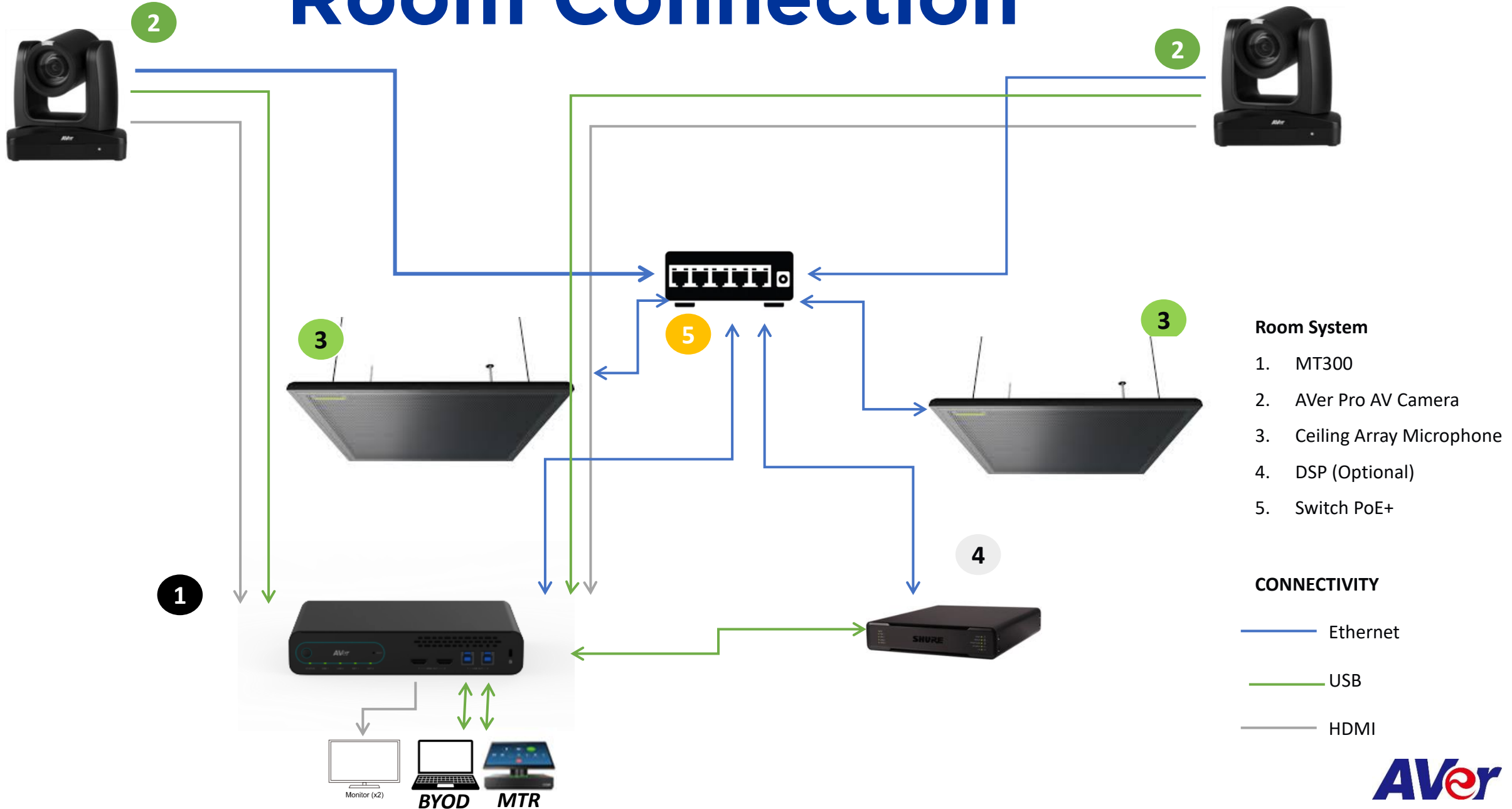
- **Web User Interface**
- **Thrid party integration via API**



Set Profile

`http://[account]:[password]@[IP Address]:[port]/request= setProfile&profile=[number]`

# Room Connection





# Main Concepts

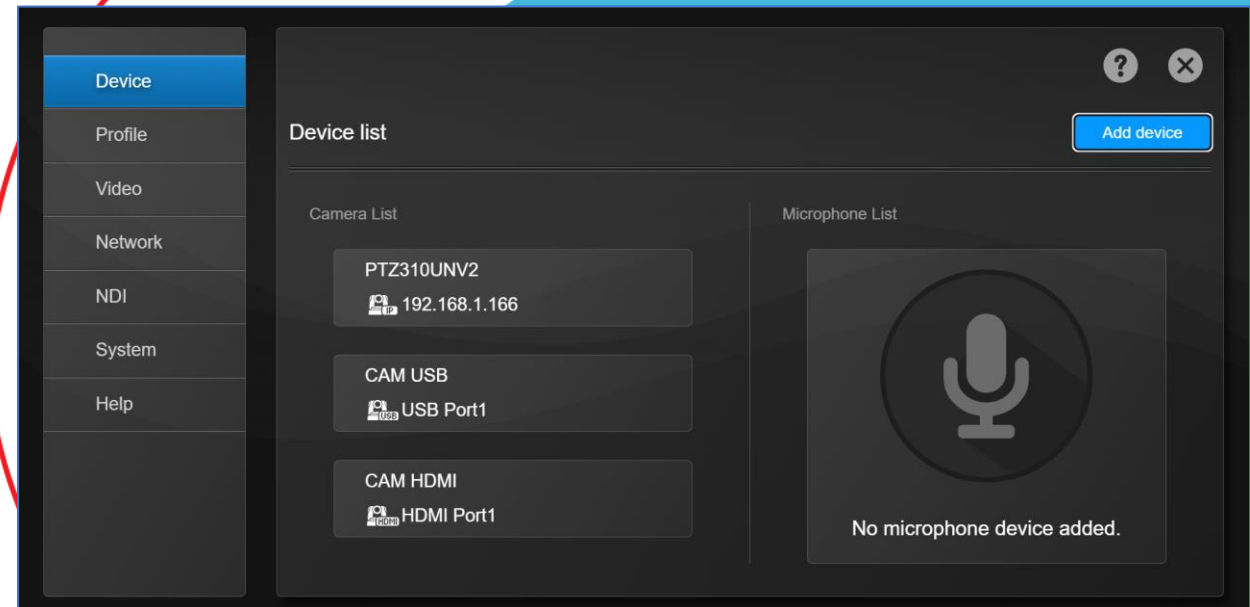
- **INPUT DEVICES**

- **CAMERAS**

- USB (video + control)
    - HDMI (video)
    - IP RTSP or IP NDI (video + control)
    - RS422 (control)

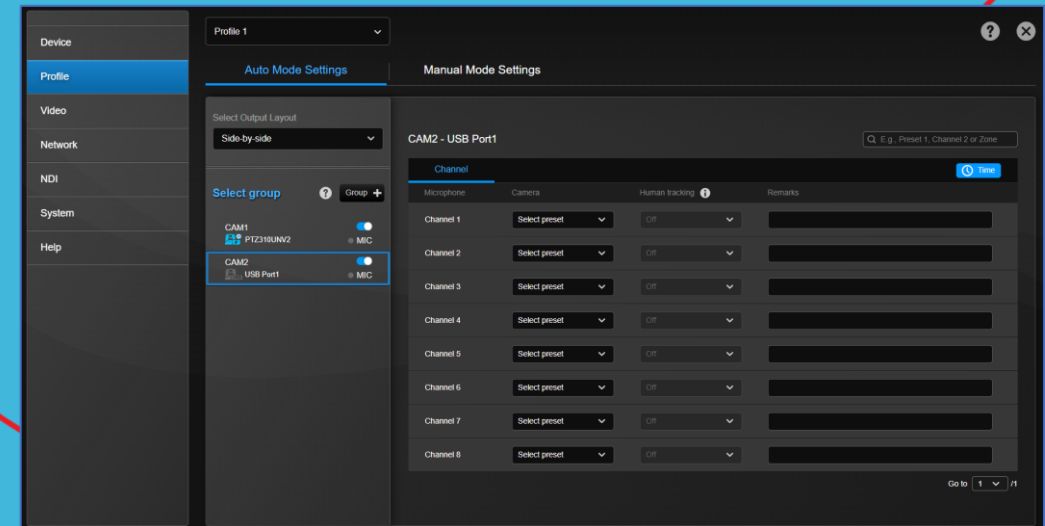
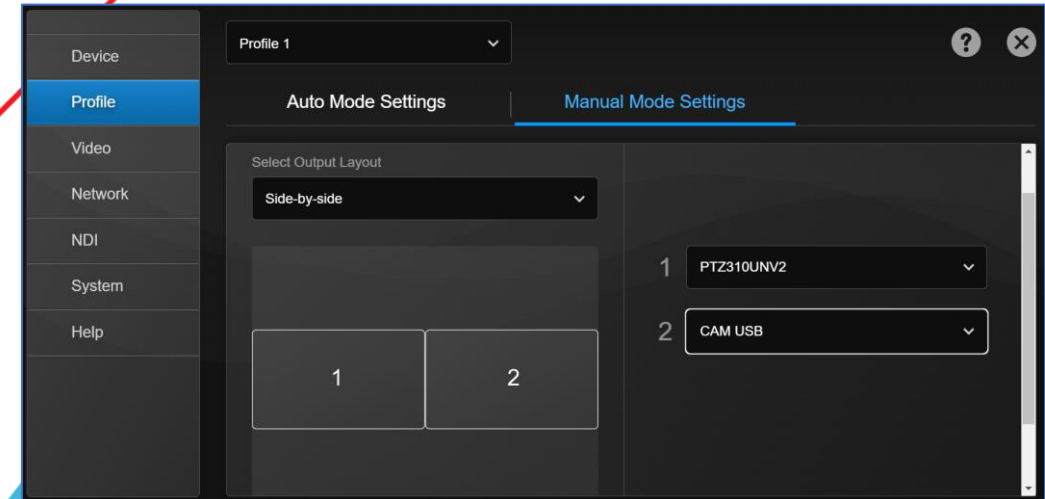
- **MICROPHONES**

- IP (control)
    - USB (audio, only USB port 3)



# Main Concepts

- **PROFILE (defines the output)**
  - **MANUAL**
    - Fixed layouts defined by user
  - **AUTO**
    - Layouts activated by audio
    - **Group (combination of camera + mic)**
      - Defines what camera/preset is triggered by mic/channel
      - Defines other parameters (e.g. Timer)



# Main Concepts

- **OUTPUTS**

- All shows same content
- Embeds audio if mic is connected to USB port 3 (AVC)

- **USB**

- Port 1 highest priority (ideal for BYOD)
- Port 2 lowest priority (ideal for MTR/Room PC)

- **HDMI**

- Both ports are simultaneous
- Can be converted to USB (BU110 Avermedia converter, e.g.)



# Main Concepts

- **OUTPUTS**

- **NDI HX2**

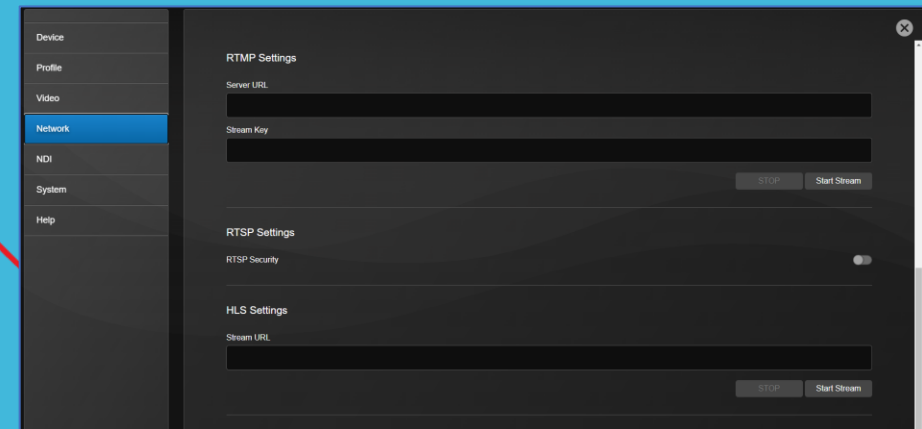
- Multiple end points
    - Adjustable quality
    - Very low latency

- **RTSP**

- Multiple end points
    - Adjustable quality
    - Can be protected by password
    - Syntax: `rtsp://192.168.1.168/live_st1`

- **RTMP/HLS**

- Streaming to platforms as Youtube



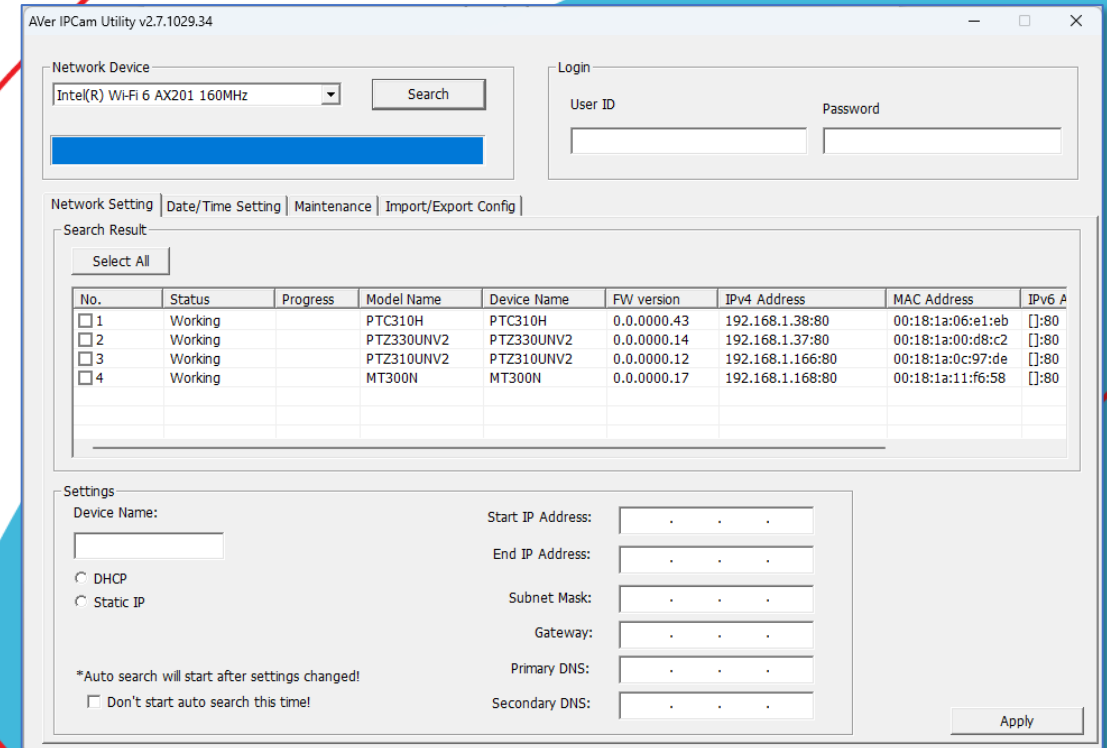
# Quick start for set up

## Needed materials:

- **MT300N**
- **Network Switch (POE+ preferred)**
- **Cameras(s)**
- **Microphone(s) / DSP (optional)**
- **Computer for set up**

## IMPORTANT:

- **IP adress of the microphone(s)**
- **Use IP Cam Utility to set IP address for cameras and MT300N**
- **Open web browser**



# Resources

## Website

<https://presentation.aver europe.com/model/mt300n>

## One Drive

[MT300-MT300N Materials](#)

## iConnect

- Collaterals

<https://iconnect.aver.com/MKTCollateral/List?d=002&l=04&s=04005&p=04005002>

- Images

<https://iconnect.aver.com/Gallery/List?d=002&l=04&s=04005&p=04005002>

# AVer

