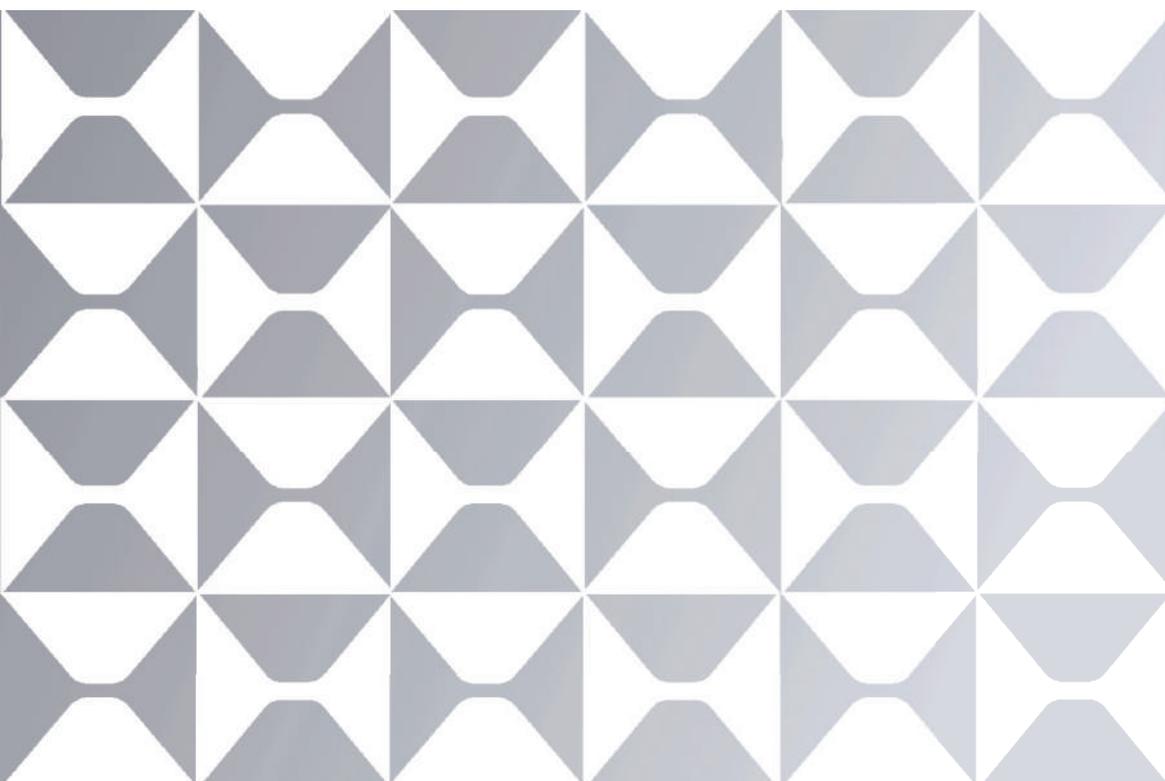


# **MAXHUB Capture System**

**Model: EW30S, EP30**



## **Installation Guide**

V1.0

**MAXHUB**

# **Table of Contents**

<b>1. EW30S Installation .....</b>	<b>01</b>
1.1 Wall Mounting.....	01
1.2 Connection.....	01
1.3 Configuration.....	02
1.4 Verification.....	04
<b>2. EP30 Installation.....</b>	<b>05</b>
2.1 Wall Mounting.....	05
2.2 Connection.....	05
2.3 Configuration.....	05
2.4 Verification.....	08

# 1. EW30S Installation

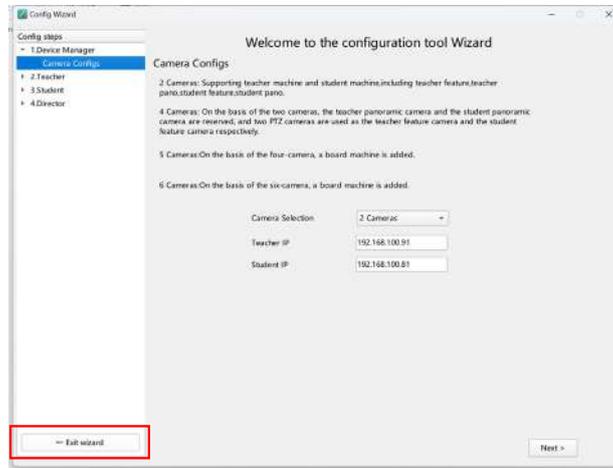
## 1.1 Wall Mounting

It is recommended to install the EW30S Student Camera:

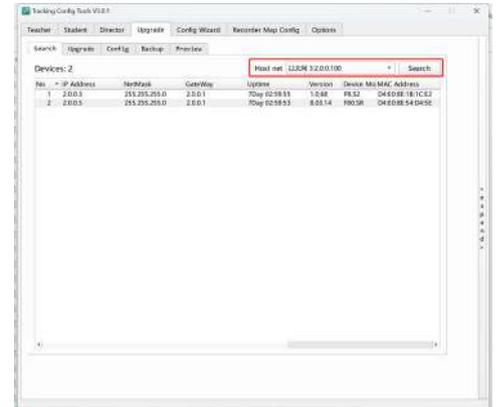
1. Horizontally.
2. At the center of the front wall of the classroom.
3. 2 m (7.22 ft) above the ground.

## 1.2 Connection

1. Use an Ethernet cable to connect EW30S camera to the PoE port of the capture host.
2. Exit wizard after opening the assistant.



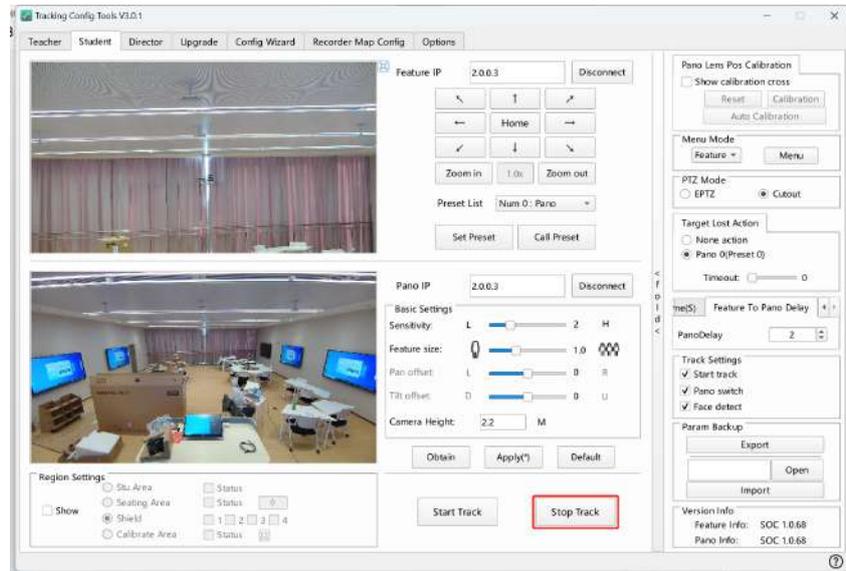
3. Use an Ethernet cable to connect your PC to the PoE port of the capture host. Set the network segment of your PC and modify the network card to ensure that the network card's network segment is in the same network segment as the camera (the default segment is 2.0.0.X).



### 1.3 Configuration

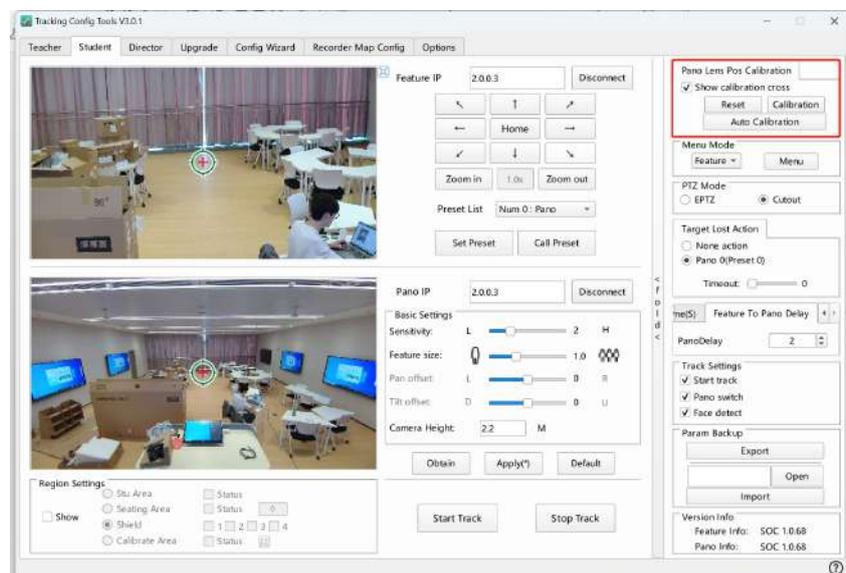
1. Unzip and open the configuration tool "TrackingConfigTools\_V9\_240403". (Click pass if there is a firewall prompt. If not pass, just close the WINDOWS firewall.)

2. In the Student Camera Page, connect to the Feature IP and Pano IP. Then click "Stop Tracking" to enter the debug state, as shown below. (Make sure that the camera version information is displayed normally in the lower right corner.)



3. Panoramic Lens Calibration:

- 1) Check "Show calibration cross", the calibration icon will be displayed on the close-up/panoramic preview image.
- 2) Use the gimbal to control the up, down, left, and right directions to ensure that the center of the close-up image coincides with the center of the panoramic image.
- 3) Then click "Calibration" to calibrate the panoramic camera lens.
- 4) Click "Reset" to return to the current calibration position.



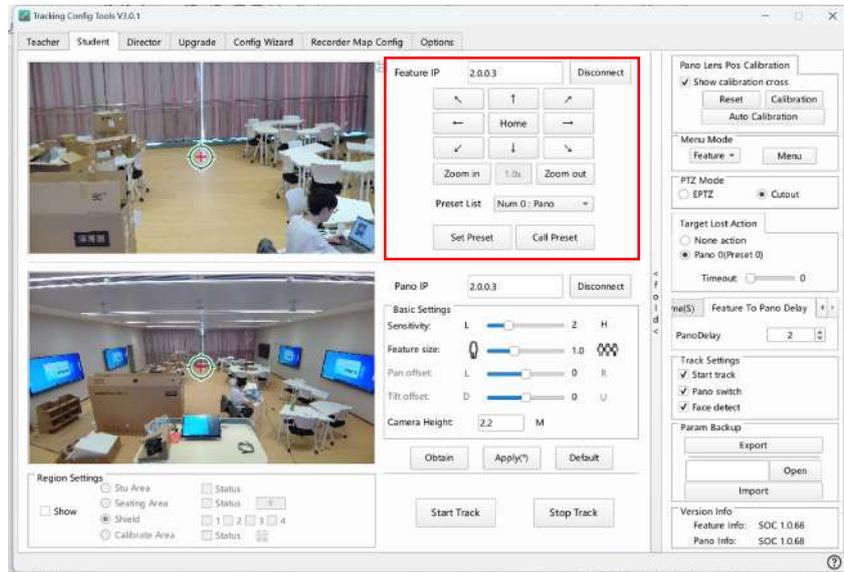
#### 4. Set Preset Position

- 1) Call the panoramic position to verify whether it is valid.
- 2) Use [↑][↓][←][→] [Zoom in] [Zoom out] to adjust the close-up direction.

**Num:0** Panoramic position: close-up of the camera display when the target is lost.

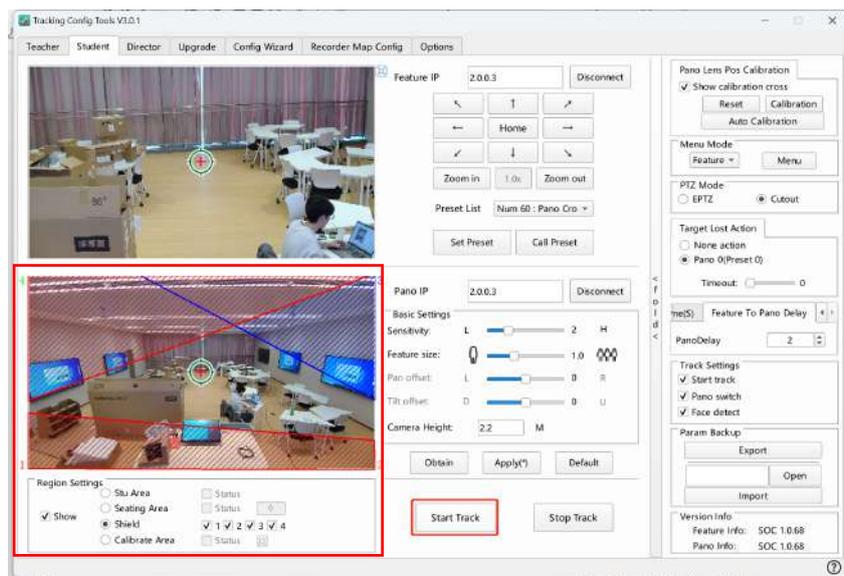
**Num:60** Panorama cropping: Crop the panorama image.

The panorama image after cropping will be displayed on the recording host. (If not set, it will be the default home position.)



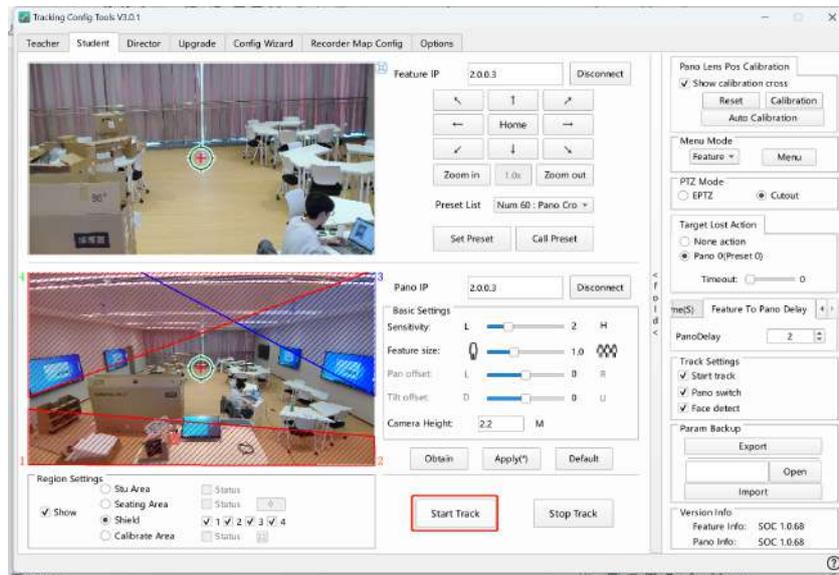
#### 5. Set up shielded areas

- 1) Check "Show", and click "v" to select the shielding area number to be set, such as shielding area 1.
- 2) Click the left border of shielding area 1 with the mouse, and drag the mouse counterclockwise to the adjacent edge or the partition boundary, as shown below:

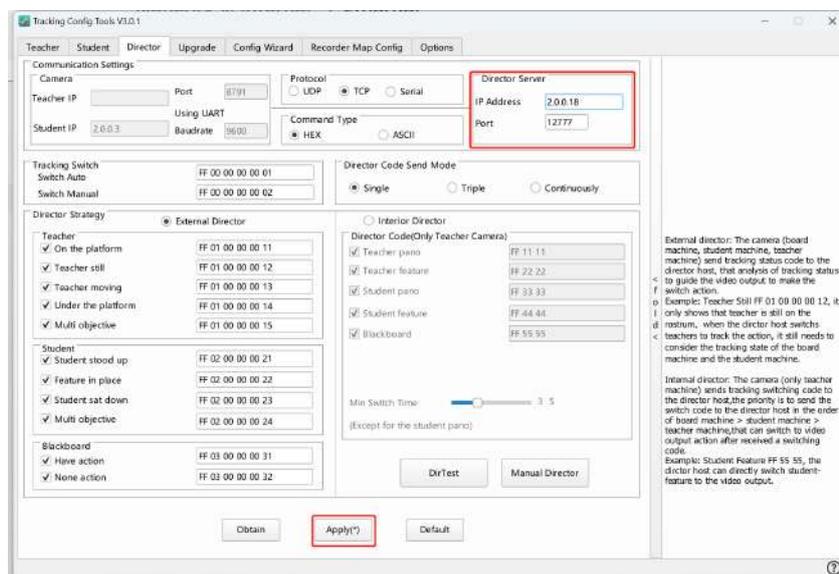


6. Start Tracking

When configuration is complete, click Apply - Start Tracking.



7. Then click the director, confirm that the server address is 2.0.0.18, the server port is 12777, and click Apply.



1.4 Verification

1. Stand in the student area, it can track on the person.
2. Then sit down or move around, it can return to the panoramic view.

## 2. EP30 Installation

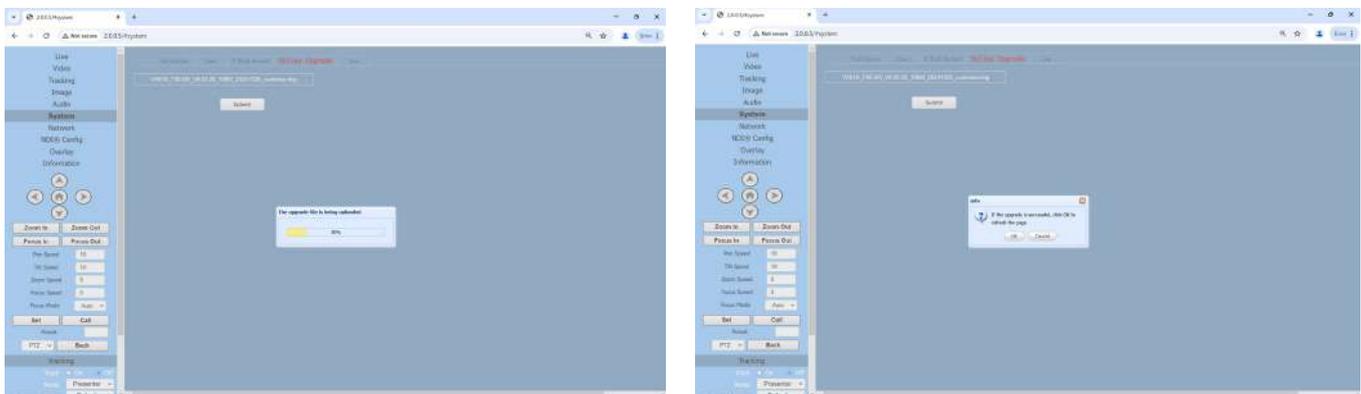
### 2.1 Wall Mounting

It is recommended to install the EP30 PTZ Camera:

1. Horizontally.
2. At the center of the front wall of the classroom.
3. 2 m (7.22 ft) above the ground.

### 2.2 Connection

1. Use an Ethernet cable to connect the EP30 PTZ Camera to the POE port of the host computer.
2. Go to "System -> Online Upgrade" to upgrade firmware to the latest version. (If there is no upgrade option, please check if the firmware version is 20241028 or newer.)

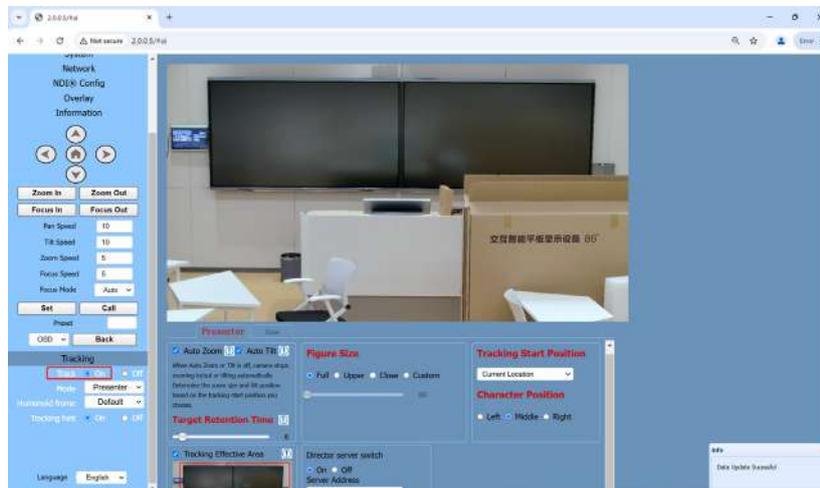


### 2.3 Configuration

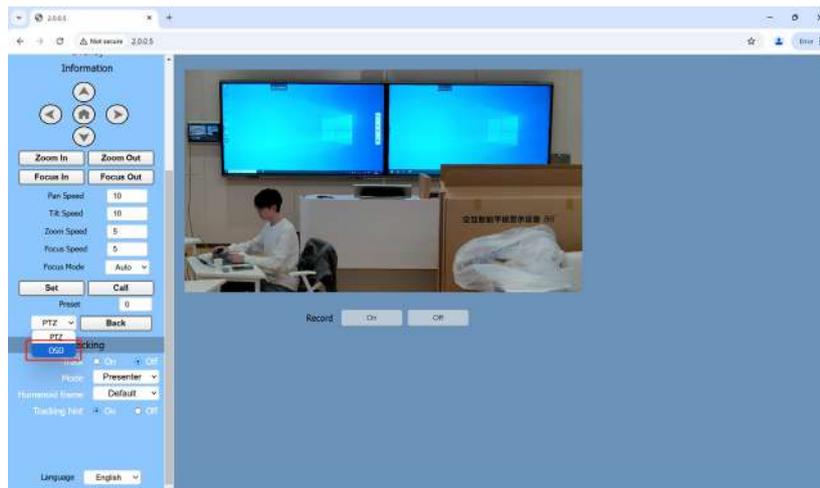
1. Enter the EP30 IP address on the browser (by default: 2.0.0.5) and enter the account number/password (admin/admin) to login to the web server.



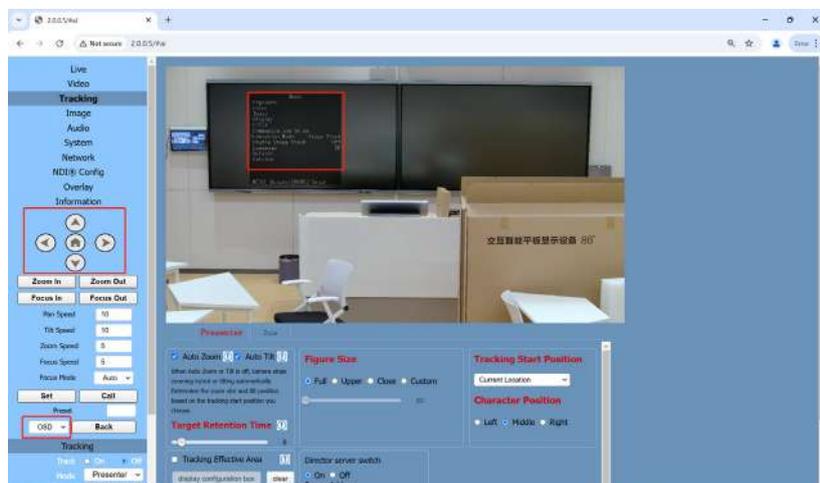
2. Use [↑][↓][←][→][Zoom In][Zoom Out] to adjust the direction of the panoramic lens. Make sure that the vertical direction of the teacher is in the center of the picture and that the horizontal direction of the teacher includes the movement range on the lecture. Then set a preset position 0 as shown below:



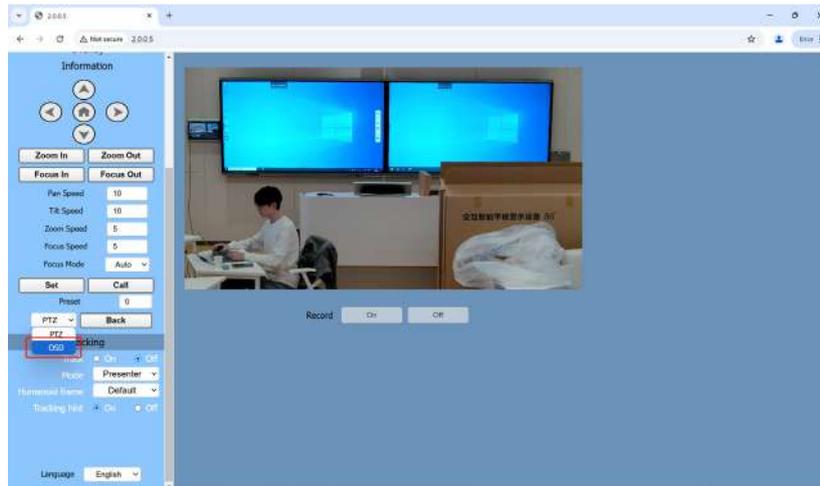
3. Click "PTZ" to select "OSD".



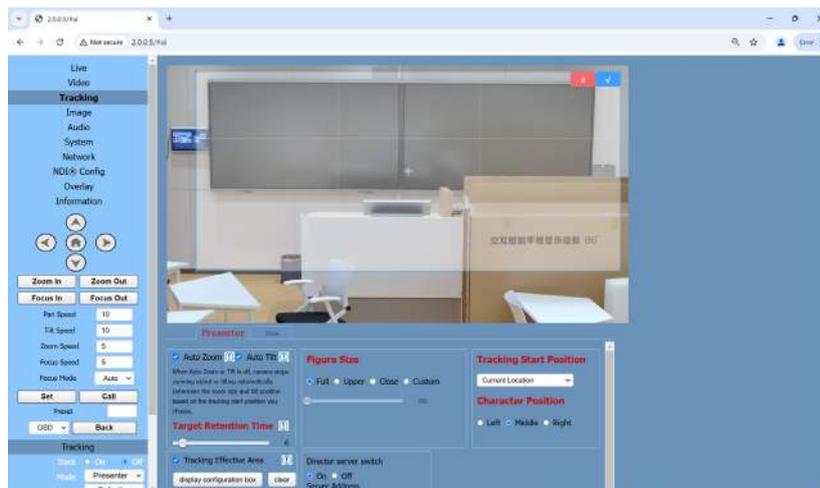
4. Use [↑][↓][←][→][HOME] to adjust the tracking mode to Stage Tracking.



5. Click "PTZ" again to exit the menu.



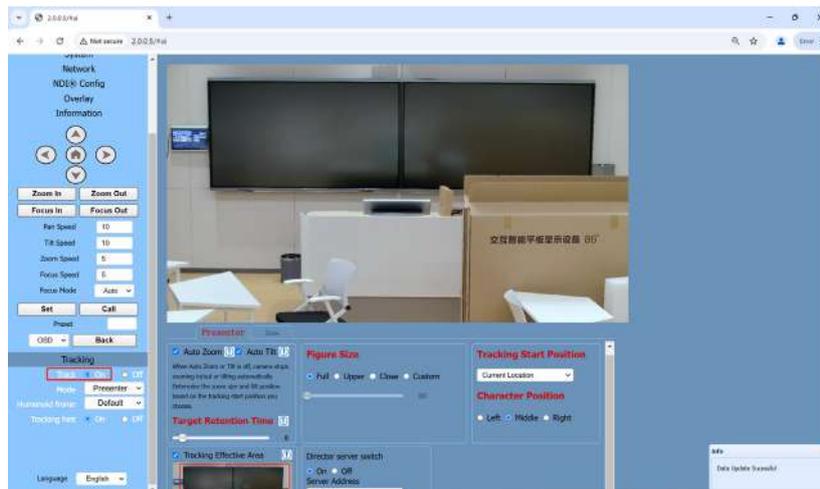
6. Go to "Tracking -> Tracking Effective Rrea -> Display Configuration Box -> Draw a tracking area in the picture -> Confirm".



## NOTE

1. The tracking frame includes the movement range of the teacher on the stage. The upper frame is higher than the teacher's height, and the lower frame is lower than the blackboard.
2. Make sure that when the teacher is on the stage, the body above the waist is within the tracking area.

7. Click Tracking On. The configuration is complete.



## 2.4 Verification

1. Walk up to the stage, it can follow your movement.
2. Walk down from the stage, it still can follow your movement, and will return to preset position 0 after at least 120 seconds.

# MAXHUB

