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Prisual
NDI PTZ Camera

Prisual NDI PTZ Camera User Guide

Contents

Prisual

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Product Information

Specifications:

- Auto Tracking Function
- **Target Retention Time:** Default 6 seconds, maximum 10 seconds
- **Close-up Effect Options:** Full Body, Half Body, Close-up, Custom
- **Character Position:** Centered, Left, Right
- **Humanoid Frame Options:** Debug/Off/Default
- **Tracking Hint Options:** On/Off
- **Maximum Preset Positions:** 4

Product Usage Instructions

AI Auto Tracking Function Setup:

1. Access the Tracking option and select Presenter Mode.
2. Configure tracking parameters in the Track off state.
3. Adjust Target Retention Time if needed.
4. Select the desired close-up effect (Full Body, Half Body, Close-up, or Custom).
5. Choose Character Position (Centered, Left, Right).
6. Enable or disable Humanoid Frame and Tracking Hint based on scenario requirements.
7. Select the tracking target using directional keys and press Home to confirm.

Zone Mode Setup:

1. Switch to Zone Mode in the Tracking option.
2. Adjust camera position using direction keys and zoom function on the Web interface.
3. Set multiple preset positions (Zone A, Zone B, etc.) and save them.

4. Select the starting zone for tracking and initiate tracking.

Frequently Asked Questions

How many preset positions can I set for tracking?

The maximum number of preset positions that can be set is currently 4.

Can I adjust the proportion size of the close-up shot?

Yes, you can customize the proportion of the person in the close-up shot by selecting different modes such as Full Body, Half Body, Close-up, or Custom.
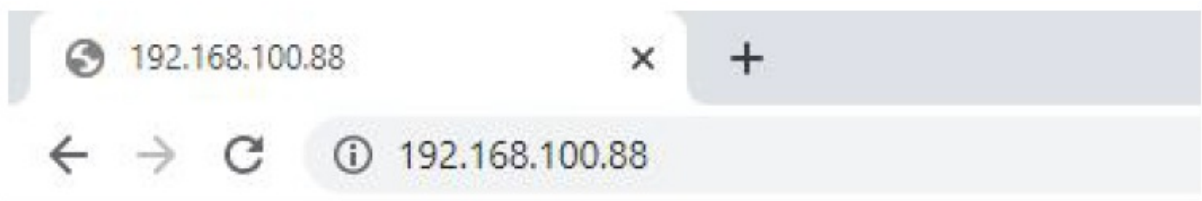
What is the default timeout duration for target retention?

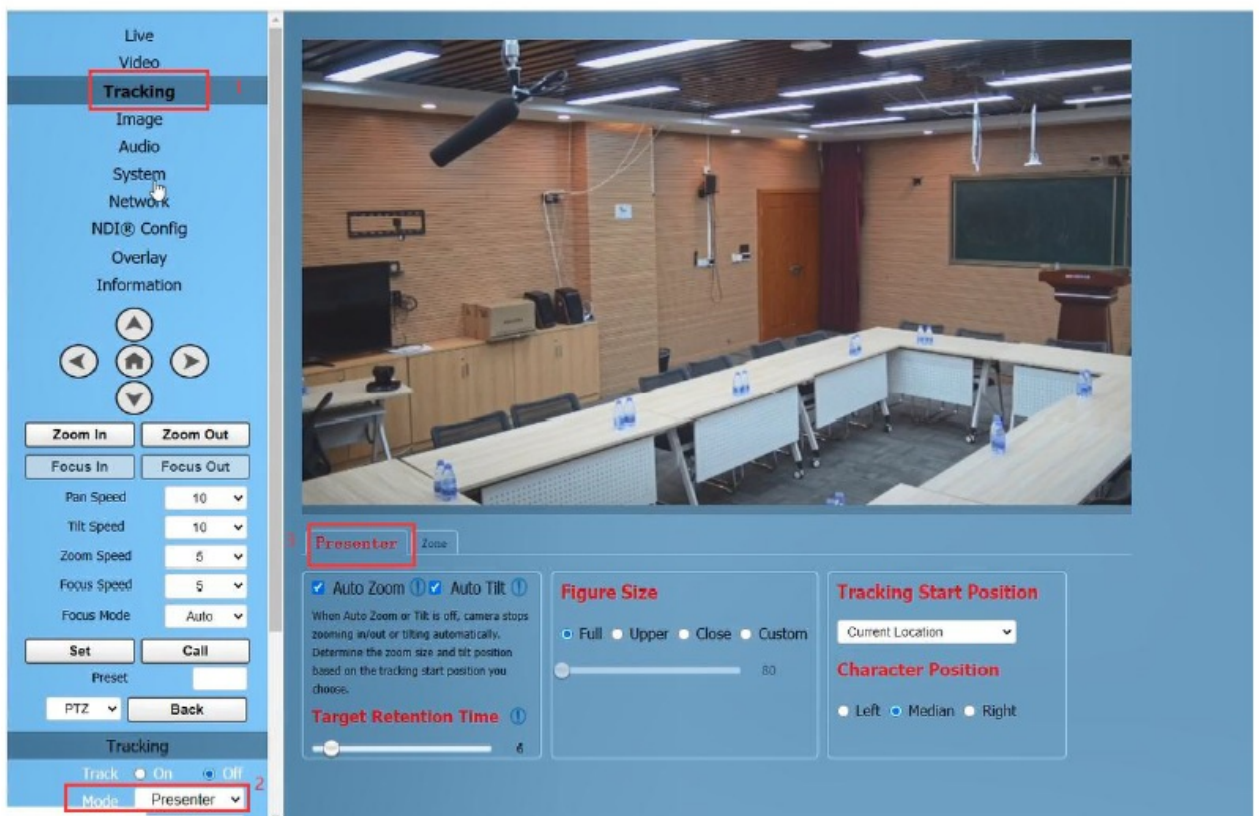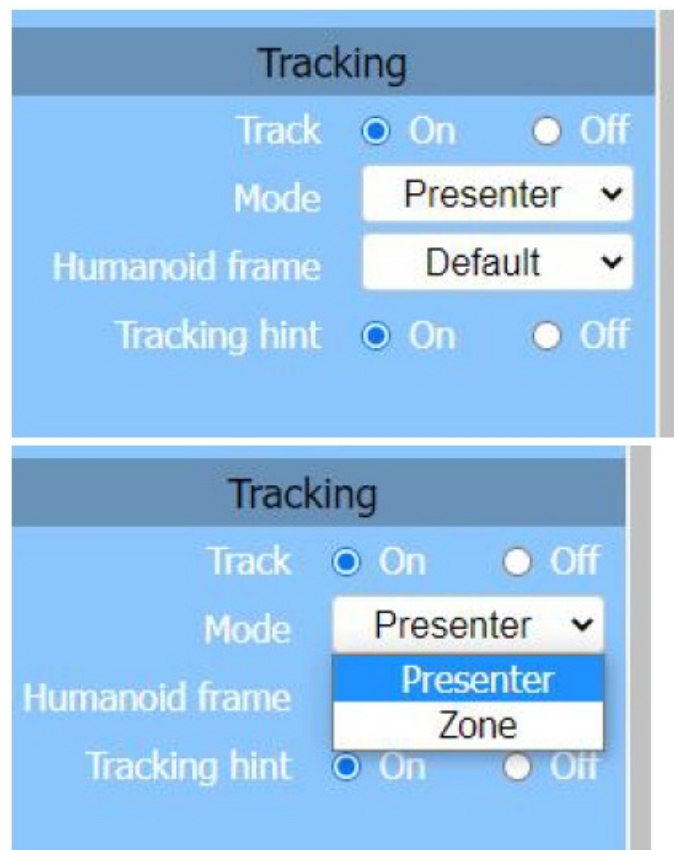The default timeout duration for target retention is 6 seconds, with a maximum of 10 seconds.

AI auto-tracking function instructions

Currently, this camera model supports two AI tracking modes, namely speaker (human) tracking and area tracking. These can be switched and configured through the web interface and remote control. Let's explore them further below."
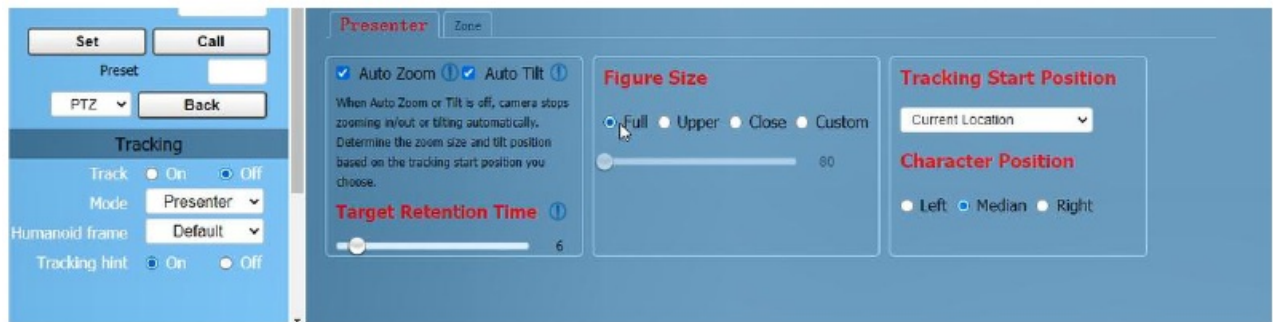
1. Logging into the Web Interface for Control
2. Presenter/Person Tracking: Purpose: By modifying parameters in the web interface, different close-up ratios can be achieved, and settings for enabling/disabling tracking in specific areas, displaying the person's position, etc., can be configured. If needed, you can also choose whether to display tracking-related prompt information. Operational steps are as follows: (1) Enter the current IP address of the camera, along with the account and password (refer to the user manual), in the browser to log in to the camera's web interface.

1. Go to the "Tracking" option, select "Presenter Mode," and, in the tracking stopped (Track off) state, configure the tracking parameters. Tracking Modes: Presenter/Zone Tracking, two options; The default mode is Presenter Mode
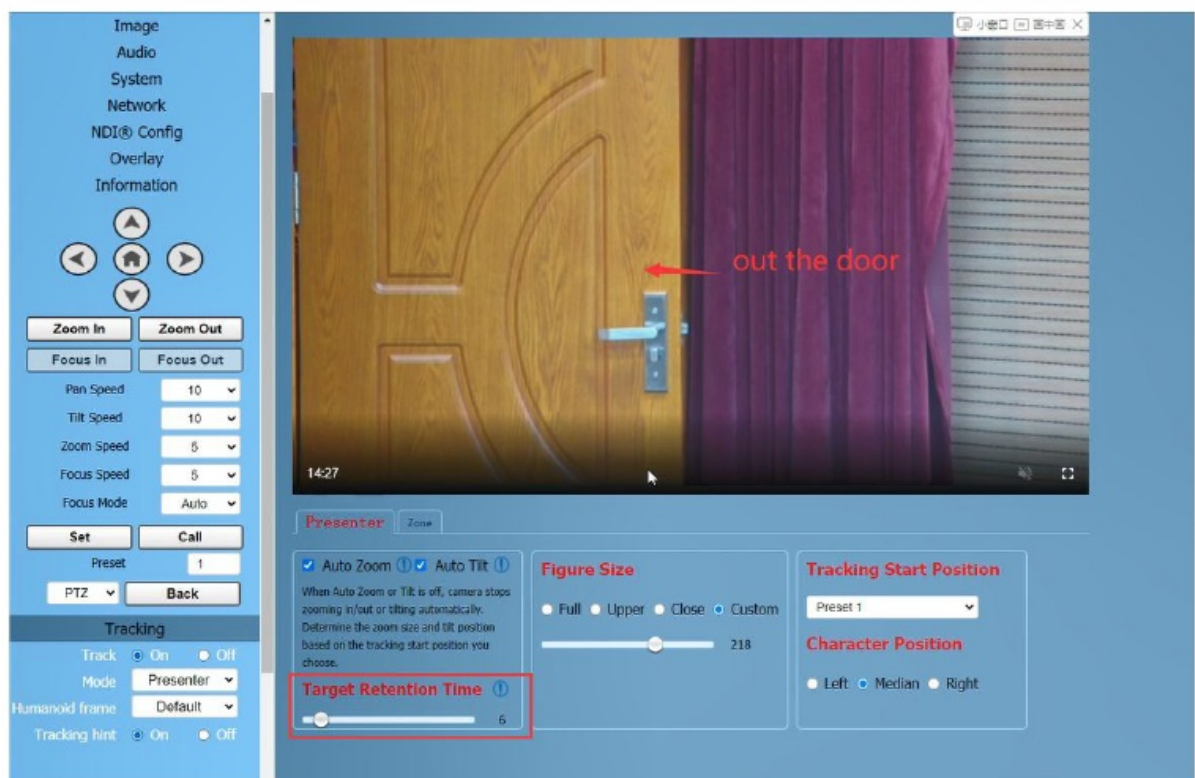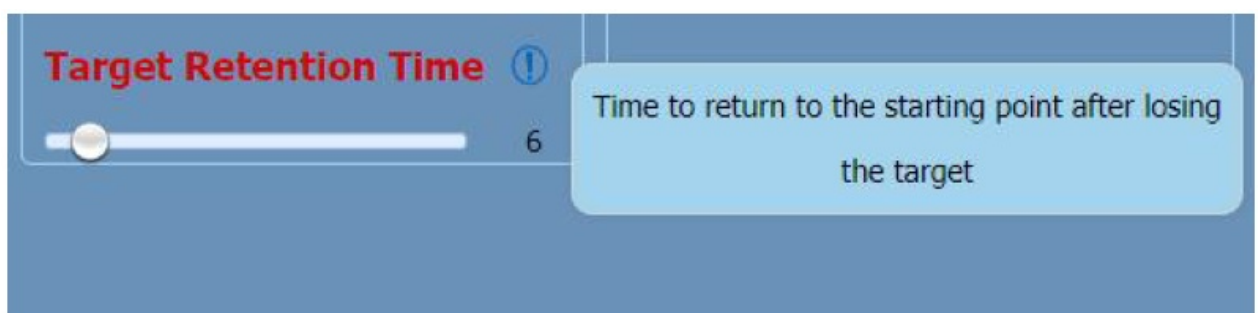
3. Next, we can consider the desired timeout duration (Target Retention Time), which is set to a default of 6 seconds, with a maximum of 10 seconds.
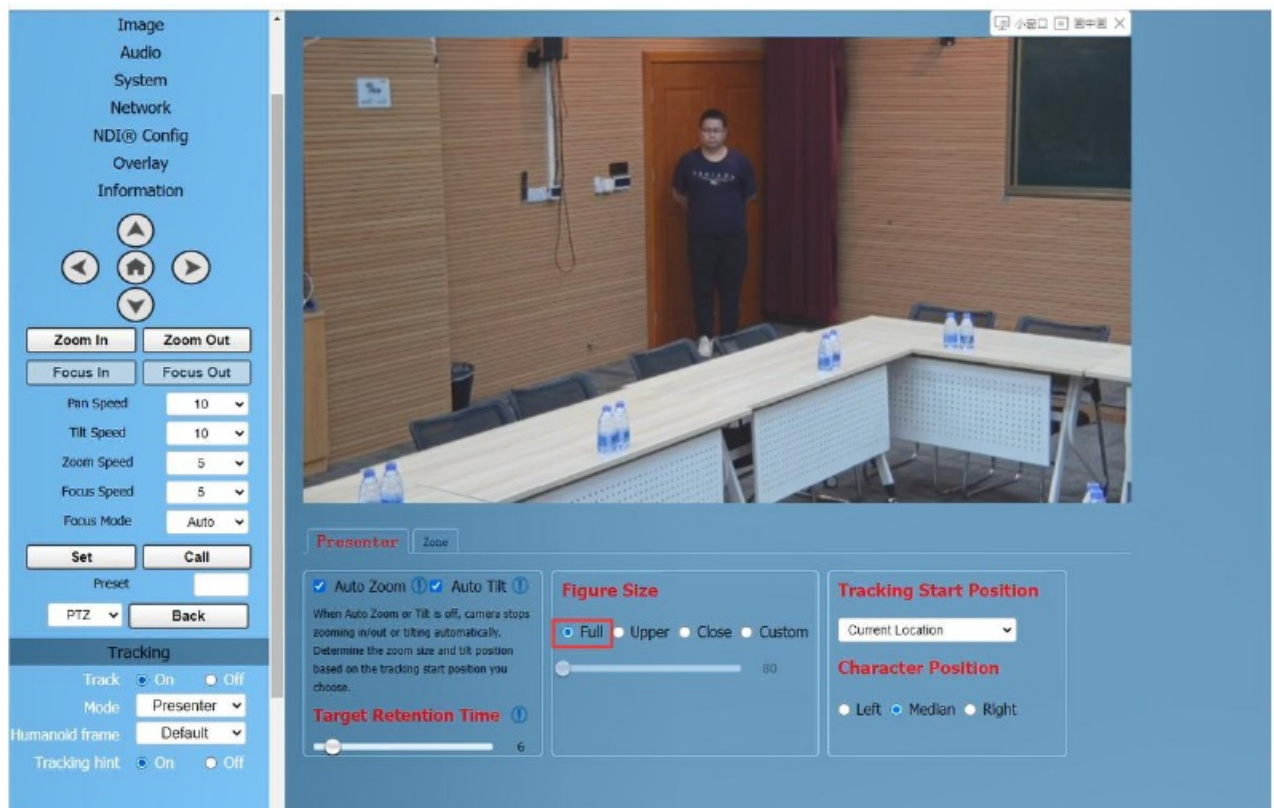
- **Auto Zoom:** Typically, keep the default setting. When "Auto Zoom" is turned off, the camera lens can still move but will maintain the current magnification and cannot zoom in or out.
- **Auto Tilt:** Usually, keep the default setting. When "Auto Tilt" is turned off, the camera lens can only move horizontally.
- **Target Retention Time:** You can keep the default setting.
  It is a crucial function to set how long the camera lens should return to the home position or starting position after losing track of the target. Changes made here take effect immediately.

4. Choose the desired close-up effect; Figure Size: By selecting different modes, users can customize the proportion of the person in the close-up shot, which is a crucial function. Changes made here take effect immediately. Full Body (Full): The close-up shot includes the entire body of the tracked target, as shown in the image below.
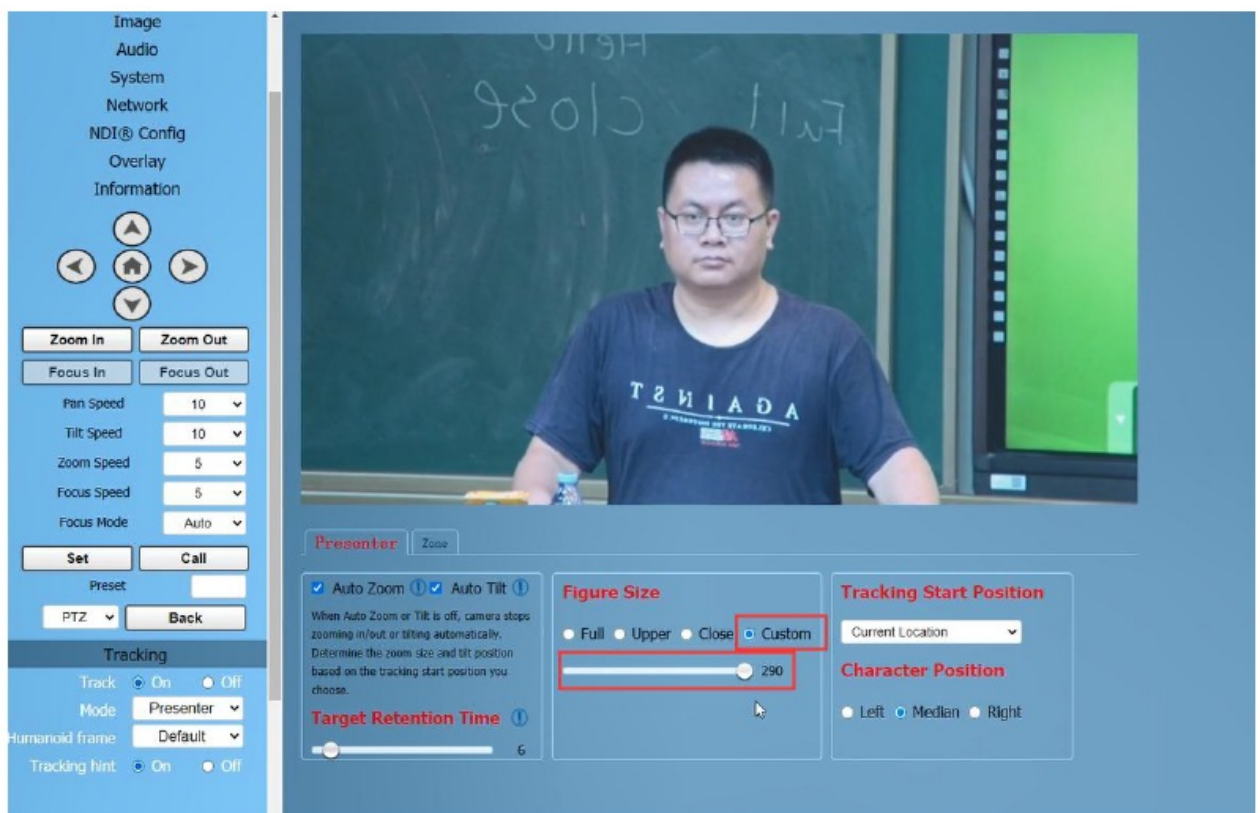
- **Half Body (Upper):** The close-up shot includes the portion of the tracked target from the knees up, as shown in the image below.

- **Close-up (Close):** The close-up shot includes the portion of the tracked target from the waist up, as shown in the image below.
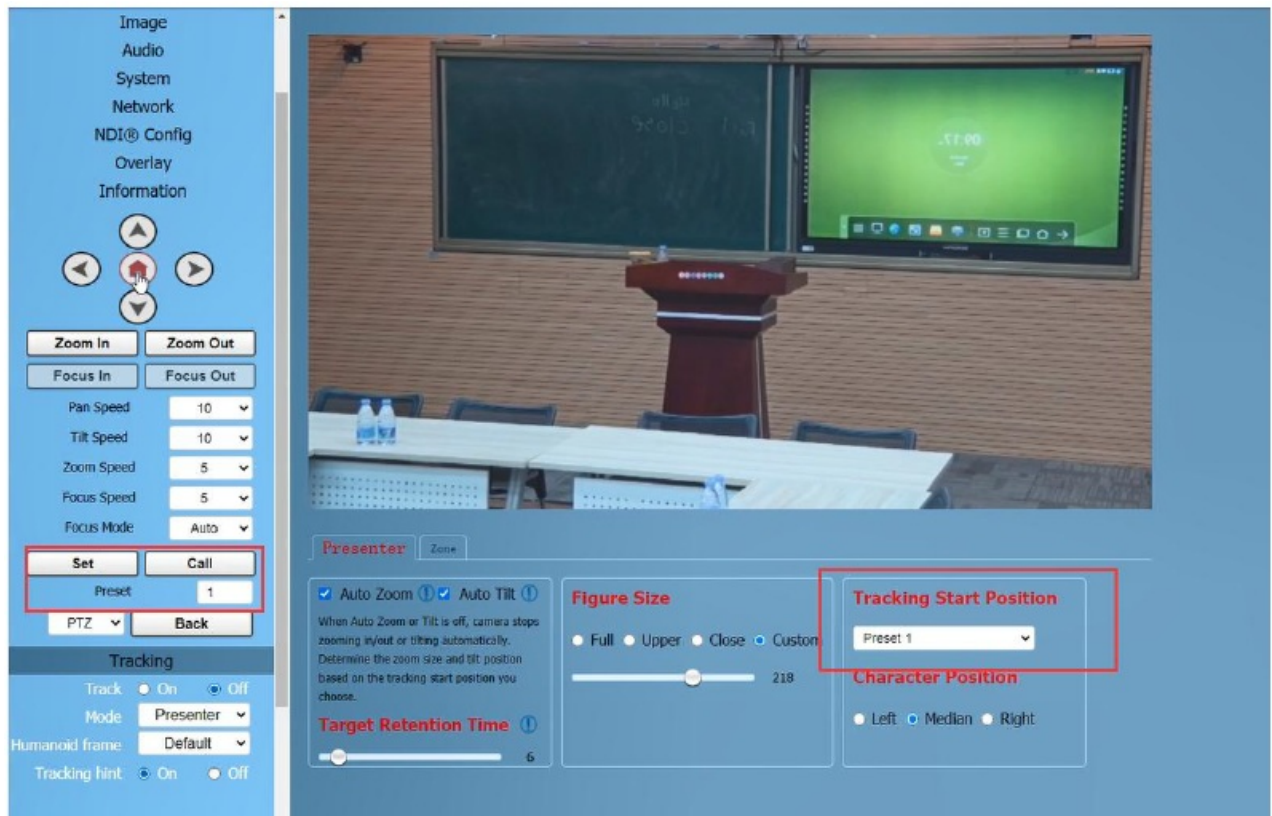
- **Custom:** Selecting this option allows you to adjust the proportion size below. Note that if the set proportion is large, the tracked target's proportion in the camera frame will also be larger. When the tracked target moves rapidly, the lens may not keep up.
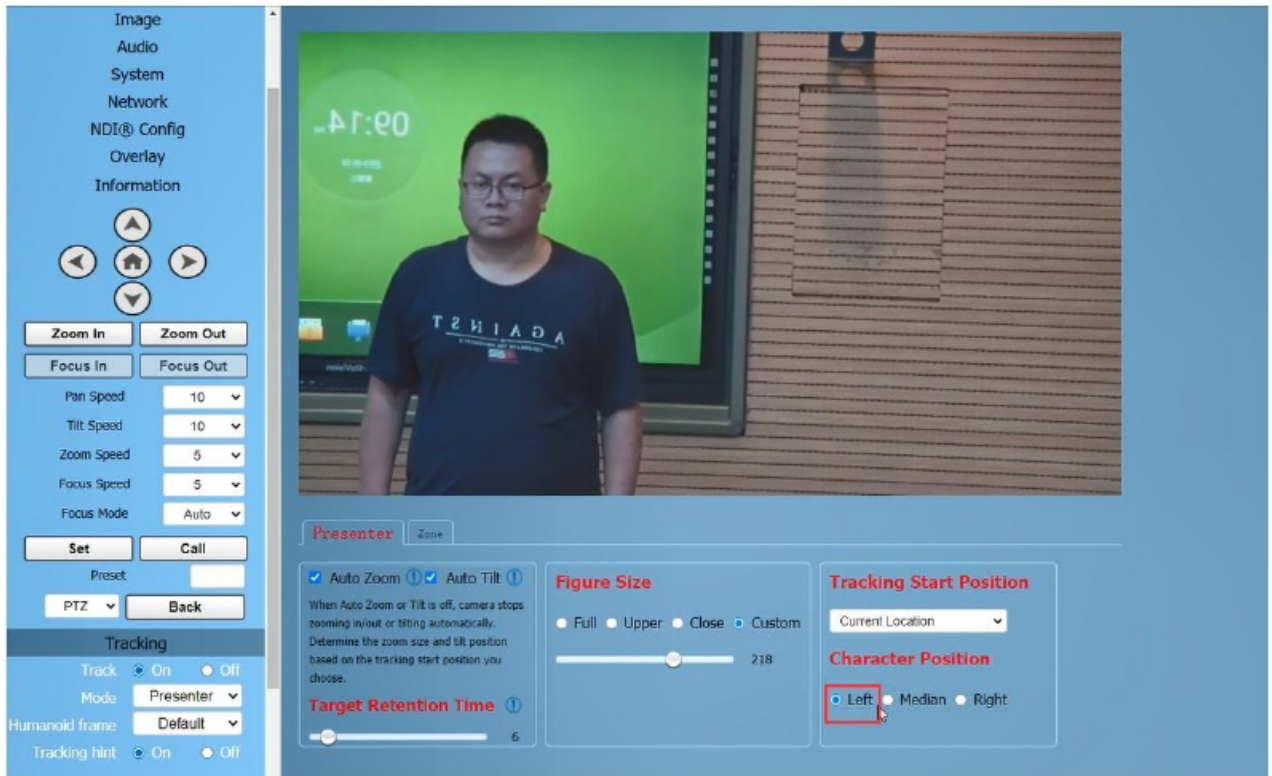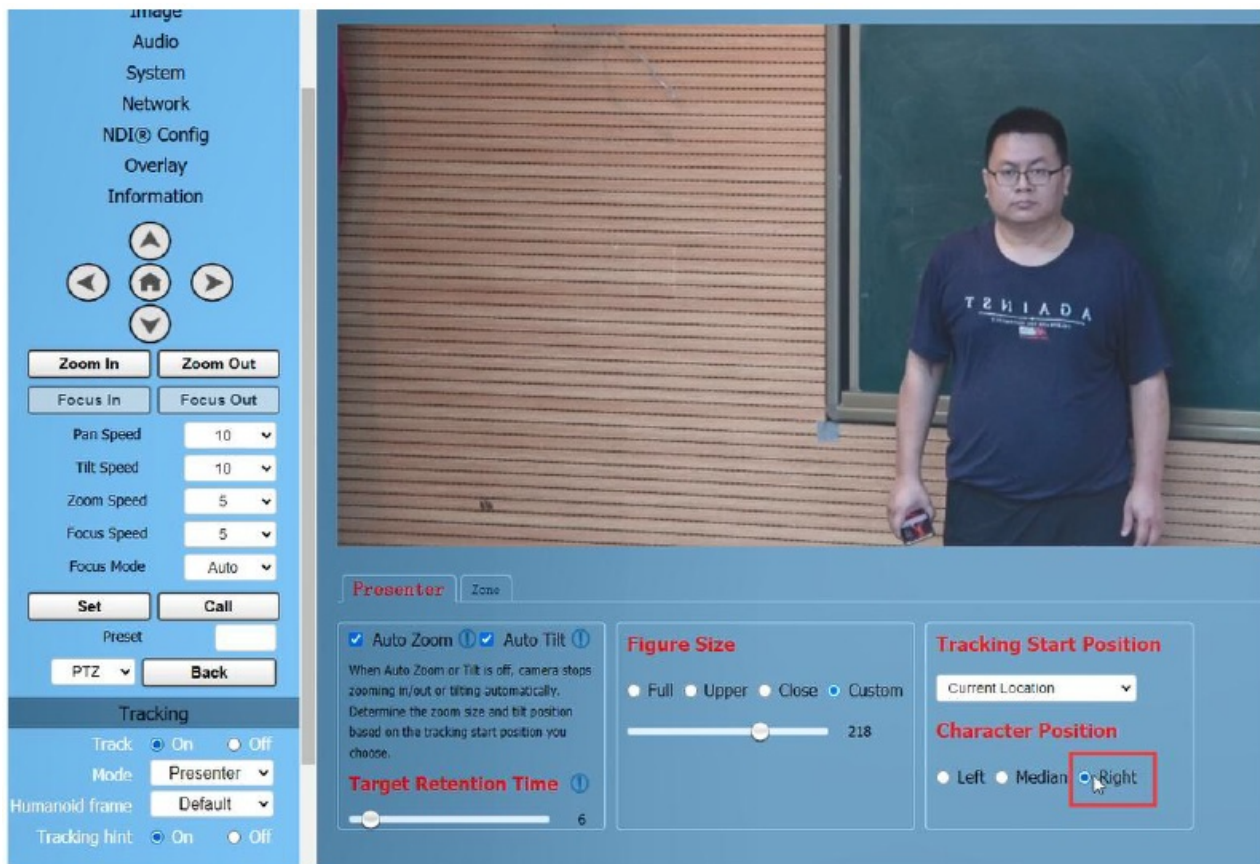

5. Select the tracking start position; Tracking Start Position: Users can choose the position of the camera lens when tracking starts and stops. Currently, two modes are provided: "Current Position" and "Preset 1." If "Current Position" is selected, the camera lens position at the start of tracking will be the current location; similarly, the lens position at the end of tracking will stop at the current location. If "Preset 1" is selected, an additional preset position needs to be set for the camera. When tracking is initiated, the lens will first move to preset position 1. If

someone enters the video frame at this point, the camera will automatically track. After losing the tracked target (exceeding the timeout duration), the lens will automatically move to preset position 1.
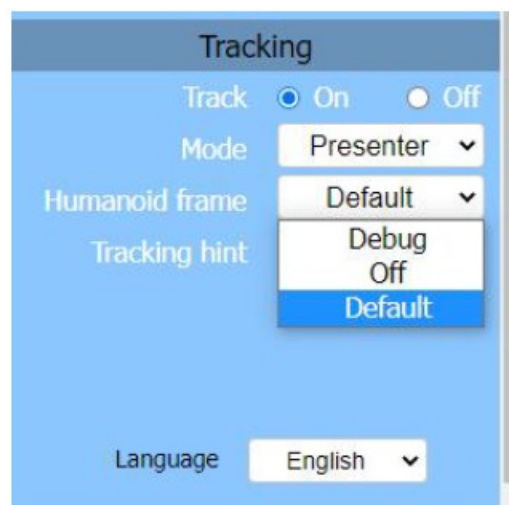

6. Choose the position of the person in the close-up shot; Character Position: Default is centered. Left or right alignment is optional, and this function is often used in live broadcasting scenarios.
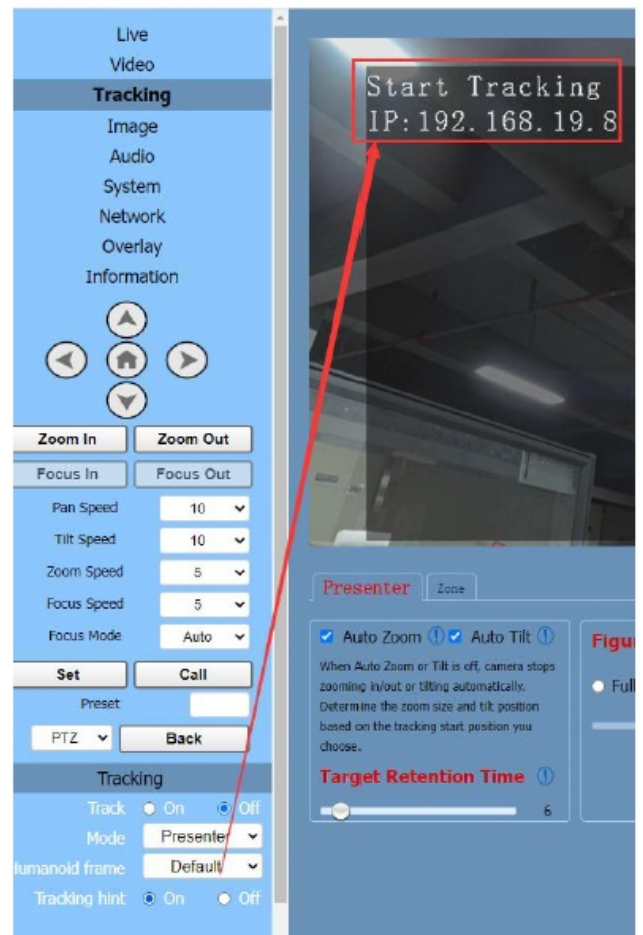
7. According to the requirements of the application scenario, you can choose whether to enable "Humanoid Frame" and "Tracking Prompt," with default settings. However, in live broadcasting scenarios, these are often not activated for easy on-the-fly adjustments during the broadcast. Humanoid Frame: Provides three options – Debug/Off/Default;
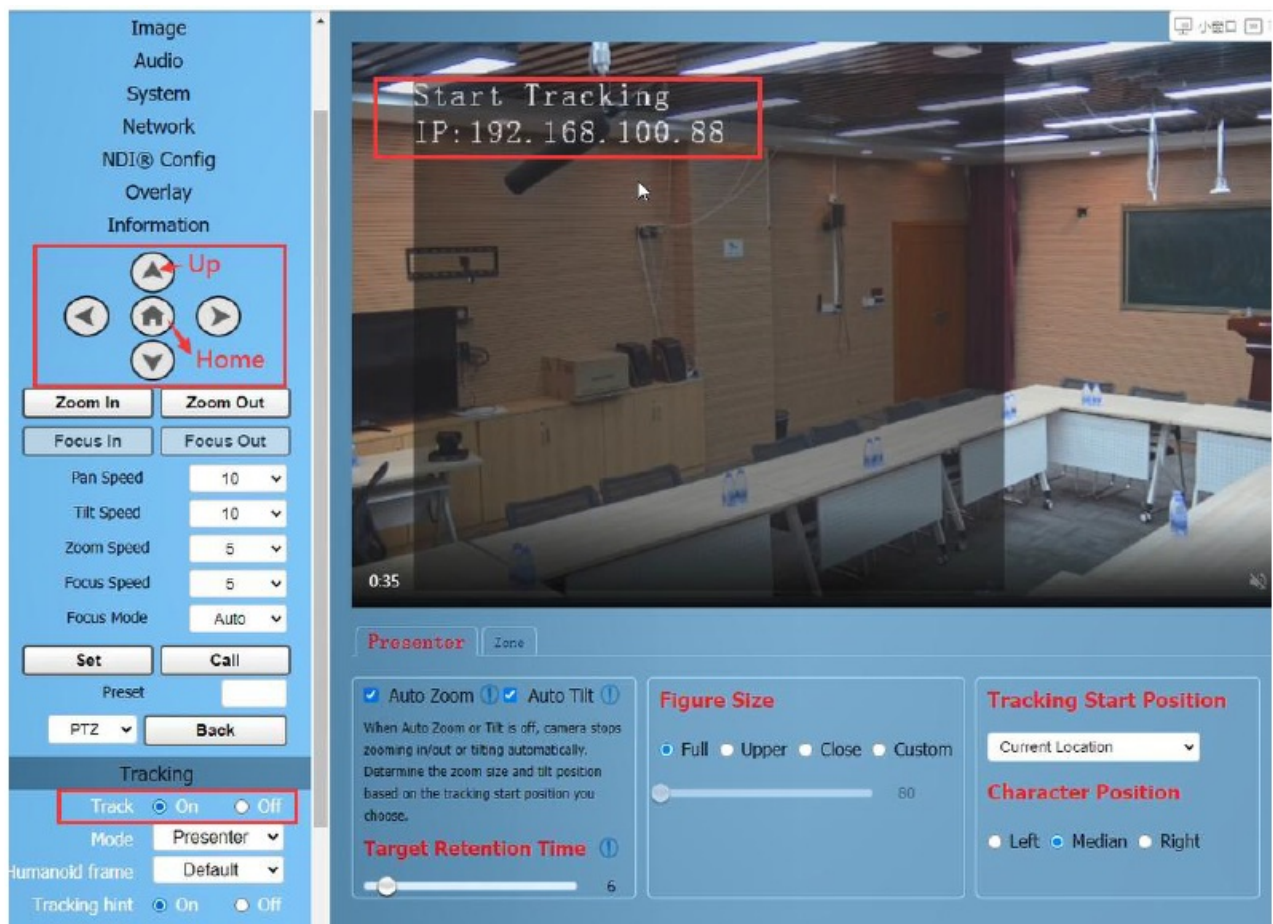
- **Default:** When tracking is initiated and there are multiple people in front of the camera, this frame automatically appears. After selecting the tracking target using the directional keys and confirming with Home, the frame disappears, and the camera starts tracking.
- **Off:** When selecting the tracking target, the humanoid frame is not displayed at all. This feature is suitable for live broadcasting scenarios.
- **Debug:** As long as tracking is enabled, the humanoid frame will continuously appear on the tracking target. This feature is only suitable for debugging or demonstrations.

- **Tracking Hint:** Provides two modes – On/Off; On When toggling tracking, there will be a hint in the upper left corner of the video. Off: When toggling tracking, there will be no hint in the upper left corner of the video. This feature is also suitable for live broadcasting scenarios.
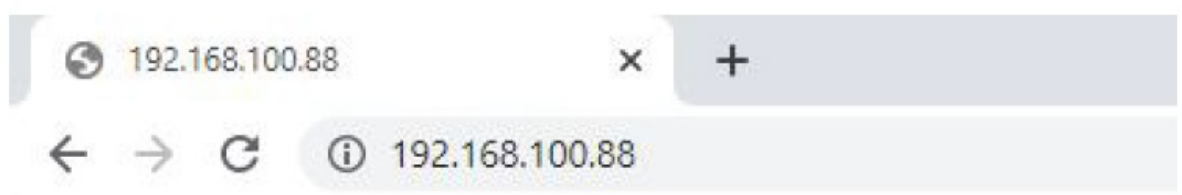
8. Start tracking, select the tracking target using the directional keys, and then press Home to confirm.
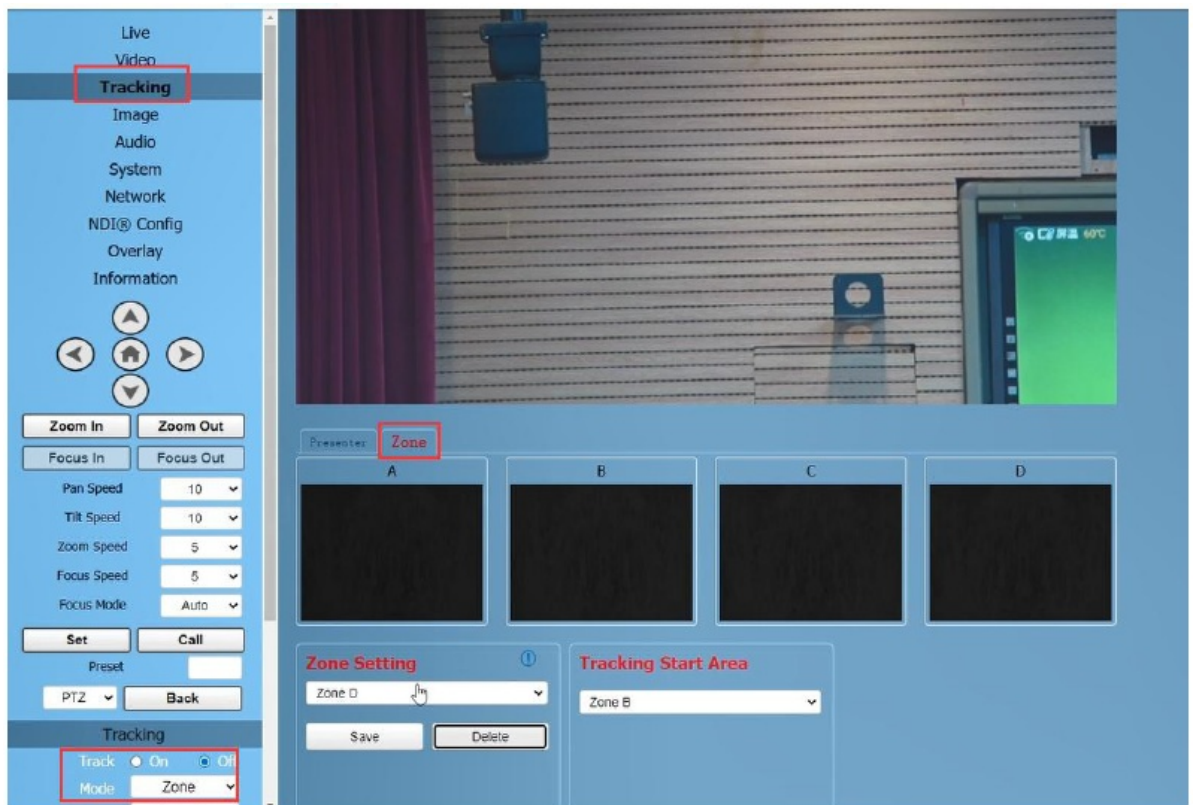
2. Zone Tracking (Zone); Purpose: Divides the frequently active area of the tracked target into several zones (A, B, C, D) as needed, each with corresponding preset positions saved. When the tracked target enters a specific zone, the camera will automatically invoke the corresponding preset position, enabling tracking.
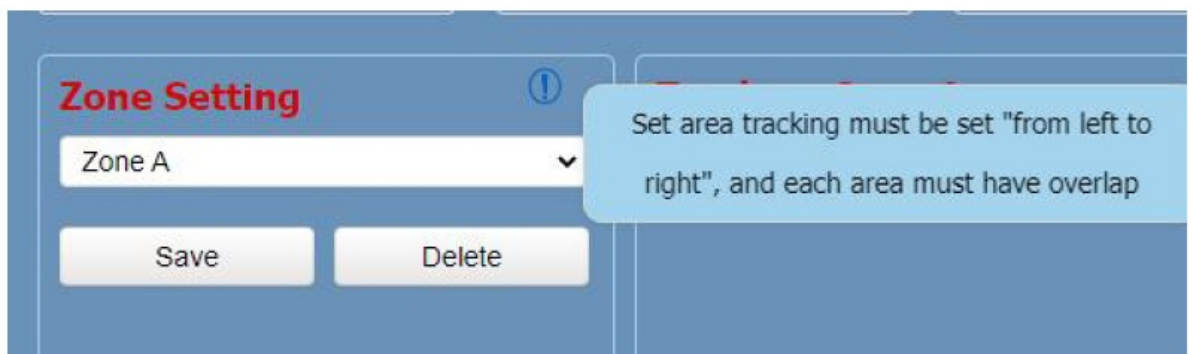
1. **Operational Steps:**
    1. Enter the current IP address of the camera, along with the account and password (refer to the user manual), in the browser to log in to the camera's web interface.
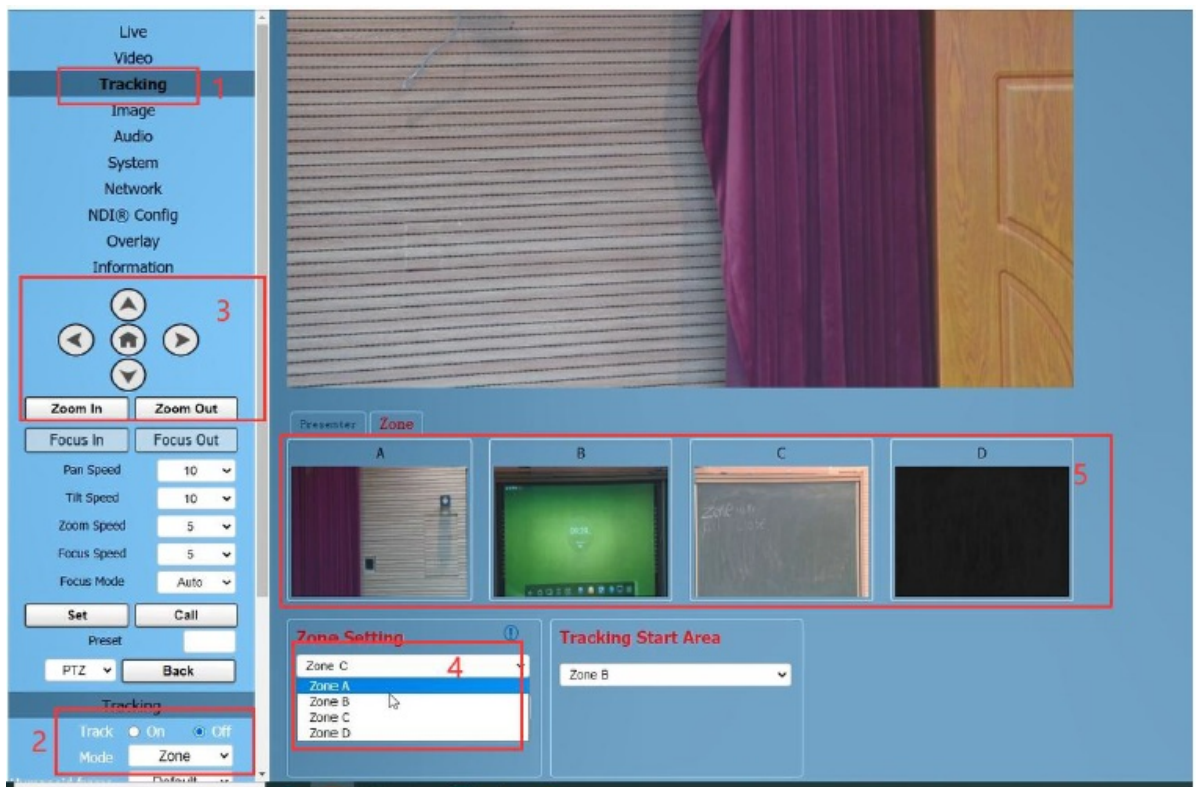

    2. Enter the "Tracking" option, select "Zone Mode," and, in the tracking stopped (Track off) state, configure the tracking parameters.
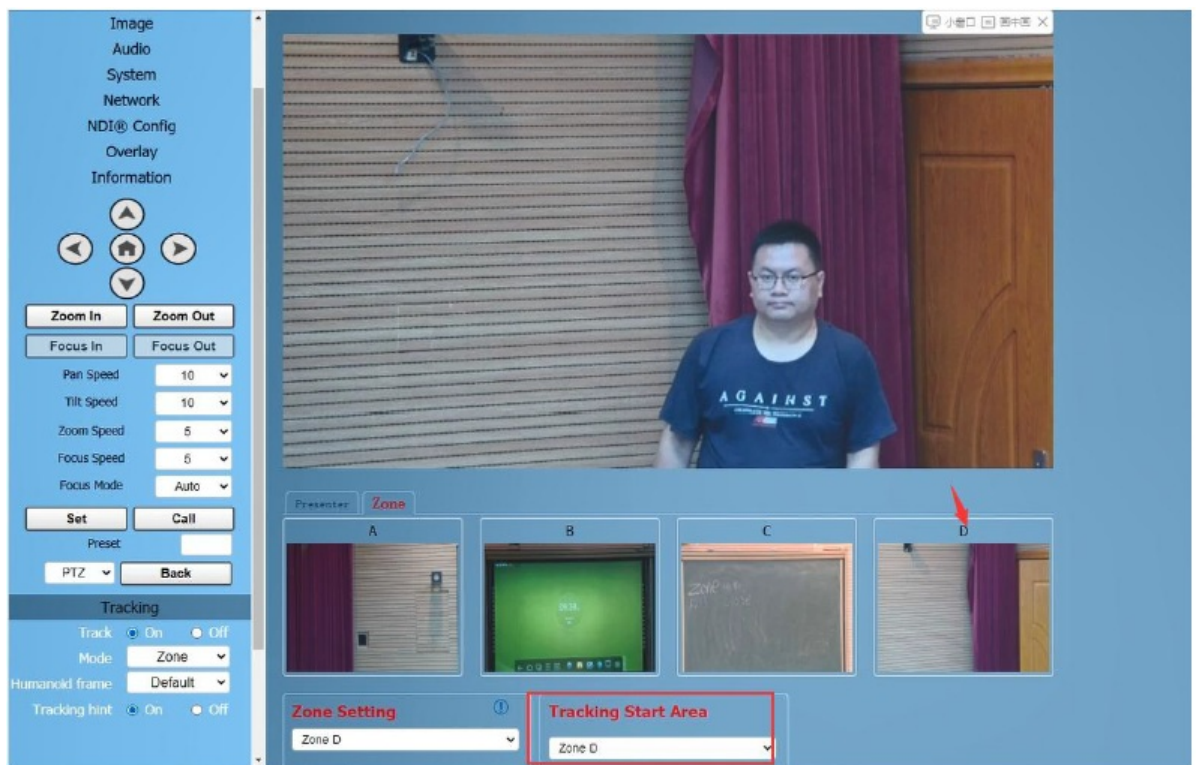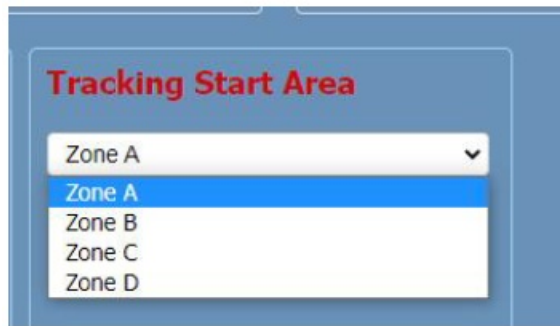
3. Use the direction keys and zoom in/out function on the Web interface to adjust the camera position. Set multiple preset positions such as Zone A, Zone B, etc., and click "Save." The number of preset positions used in actual scenarios is at the discretion of the user, but currently, the maximum is 4. If there are errors in the settings, they can be deleted or reset.
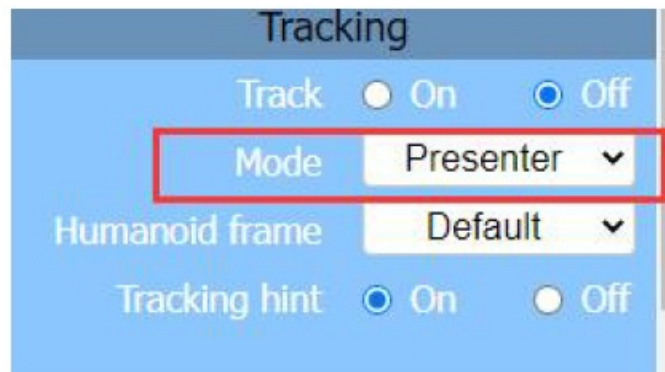
4. Set the tracking starting zone and initiate tracking; Tracking Start Area: You can choose any Zone position as the starting or ending position for tracking. When tracking is initiated, the lens will first move to this Zone position. If someone enters the video frame at this point, the camera will automatically track it. After losing the tracked target, the lens will automatically move to this Zone position.

2. **IR remote control**

1. **Person Tracking;** The camera is set to default for speaker (person) tracking, and you can check the current settings from the web interface.

Purpose: This method allows for quick toggling of tracking, as well as selecting the tracking target. (1) Single-Person Scenario Press the F3 key on the remote control to initiate tracking and press F4 to exit tracking mode. When there is only one person in the scene, press the F3 key on the remote control (Figure 1) to start tracking. The camera will lock onto the target and begin tracking directly. The screen will display as shown in the figure below, indicating that the tracking program has been successfully initiated. Users can press F4 to exit tracking mode.

Figure 1   Figure 2

2. Multiple-Person Scenario If there are multiple people in the scene, press the F3 key on the screen first (Figure 1). After initiating tracking with the remote control, if there are multiple people in front of the lens, use the left and right buttons on the remote control to select the target to track. Then press the Home key to confirm, and the camera will start tracking. Users can press F4 to exit tracking
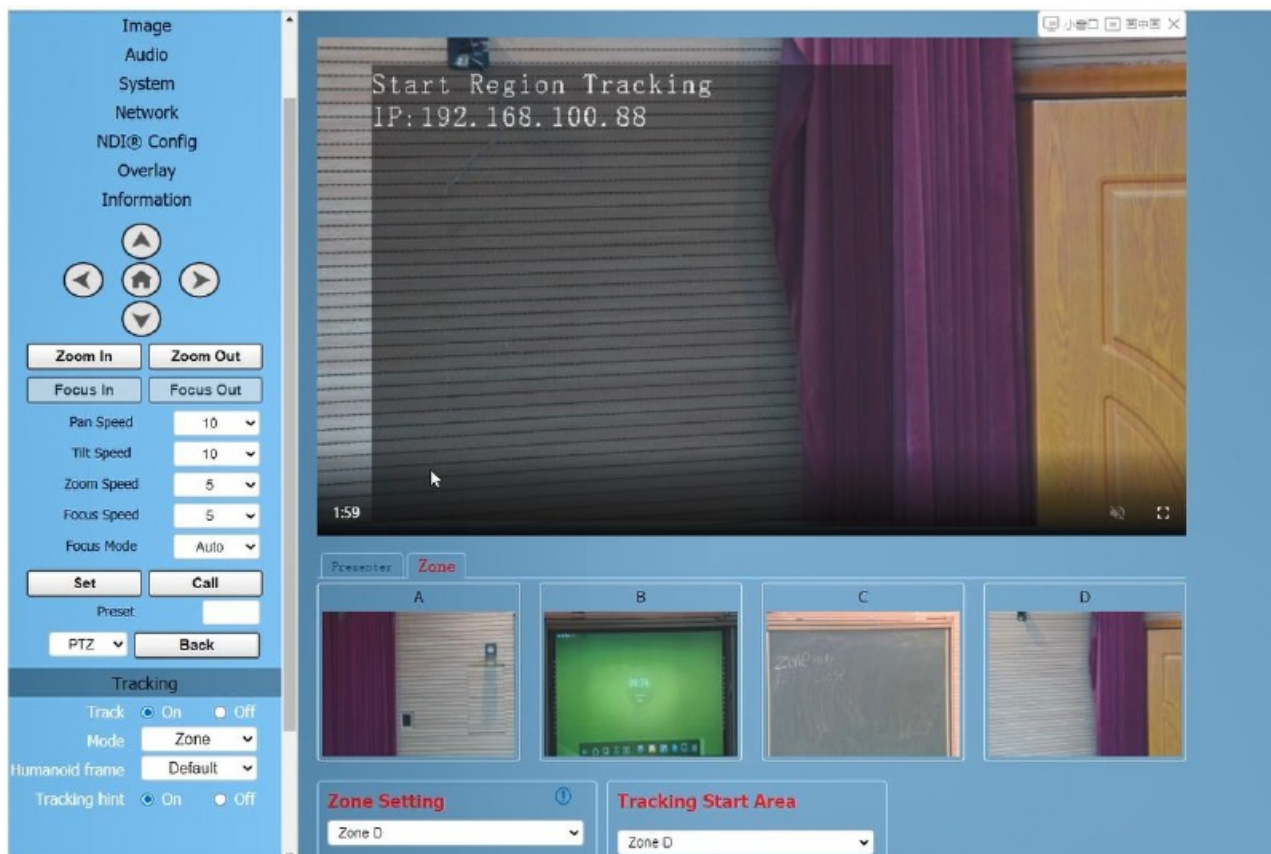
mode.

Firgure3

Zone Tracking

The camera is set to default for speaker (person) tracking, so it must be switched to zone tracking from the web interface and configured first. Please refer to the previous instructions for specific setup steps. Purpose: This method allows for quick toggling of tracking; Press the F3 key on the remote control to initiate tracking and press F4 to exit tracking mode.

Need some help

for user guides, FAQs, warranty & more.

Documents / Resources

	Prisual NDI PTZ Camera [pdf] User Guide NDI PTZ Camera, PTZ Camera, Camera

References

- 🌐 **PTZ Camera Supplier - Prisual**
- **User Manual**