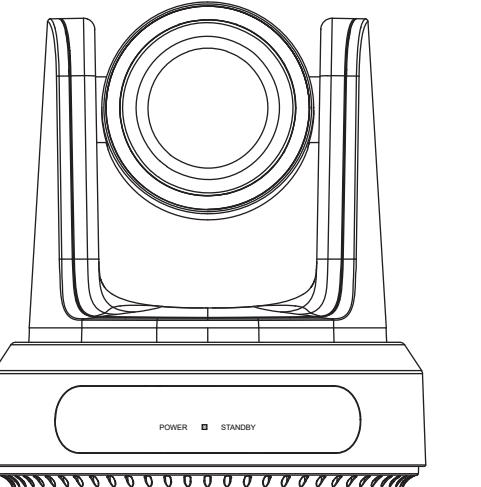


HD AI Auto Tracking PTZ Camera

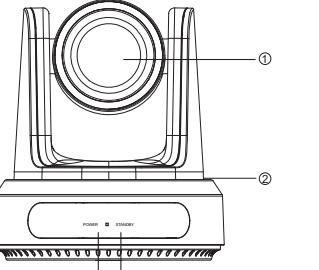
User Manual



Version V1.0

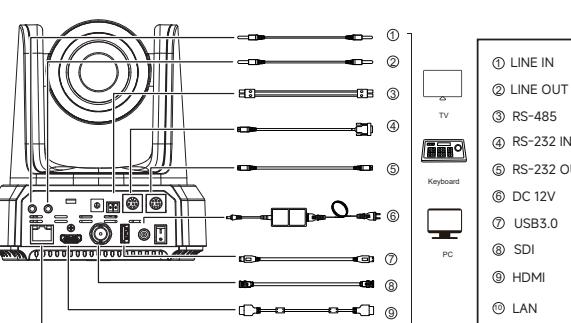
1. Product Description

1.1 Front



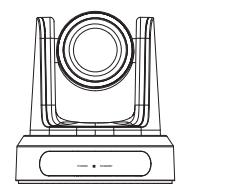
- ① Lens
- ② Pan&Tilt
- ③ Power
- ④ Standby

1.2 Back



- ① LINE IN
- ② LINE OUT
- ③ RS-485
- ④ RS-232 IN
- ⑤ RS-232 OUT
- ⑥ DC 12V
- ⑦ USB3.0
- ⑧ SDI
- ⑨ HDMI
- ⑩ LAN

2. Packing List



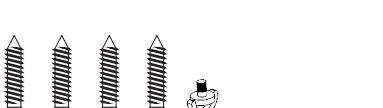
HD AI Auto Tracking PTZ Camera



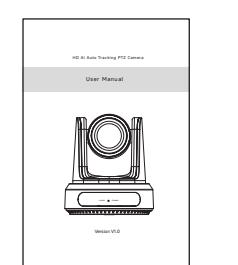
DC 12V Power Supply



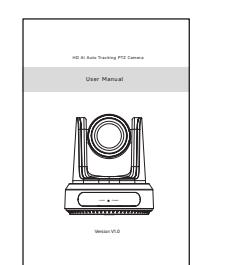
Wall Mount



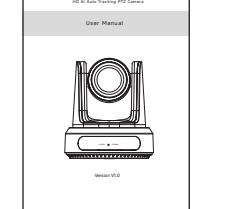
Mounting Screws



User Manual



Remote Control



USB Cable

3. Performance Characteristics

Port Name	Port Type	Usage	Features
LINE IN	Audio Input Port	Used as an audio input, such as from a microphone, for capturing sound during video conferences.	The 3.5mm LINE IN and LINE OUT interfaces provide convenience, standard audio connections for clear communication in video conferencing.
LINE OUT	Audio Output Port	Used to send audio output to external speakers or audio systems during video conferences.	
RS485	RS-485 Port	Used for long-distance, multi-device control, allowing multiple PTZ cameras to be controlled in a daisy-chain setup.	RS485 supports longer communication distances up to 30-8000 meters, multi-device connection, and has strong resistance to interference.
RS232 IN	RS-232 Input Port	Receives control signals from the joystick to adjust the camera's movement and zoom.	RS232 provides reliable, short-distance communication for joystick control.
RS232 OUT	RS-232 Output Port	Sends camera status or position information back to the joystick.	
DC12V	Power Input	Provides a 12V power supply for the device.	Requires a standard power adapter.
ON/OFF	Power Switch	Controls the power on/off of the device.	Simple and intuitive operation for power control.
USB3.0	USB Port	Connect to your pc (laptop, desktop)	for USB Video Output and the USB Extension cable support to 20m.
3G-SDI	SDI Video Output	For connecting professional equipment (e.g., broadcasting systems) for video transmission.	Supports long-distance, low-delay transmission, widely used in professional video systems. SDI Cable supports to 100m+.
HDMI	HDMI Video Output	For video display output (e.g., TV, monitor), outputs high-definition video signals.	Supports high-definition video output, suitable for local monitoring and display. The HDMI Cable supports to 30m.
LAN	Ethernet Port	Used for network transmission of video streams and remote device control (IP management).	Supports IP network control and remote access to video streams.

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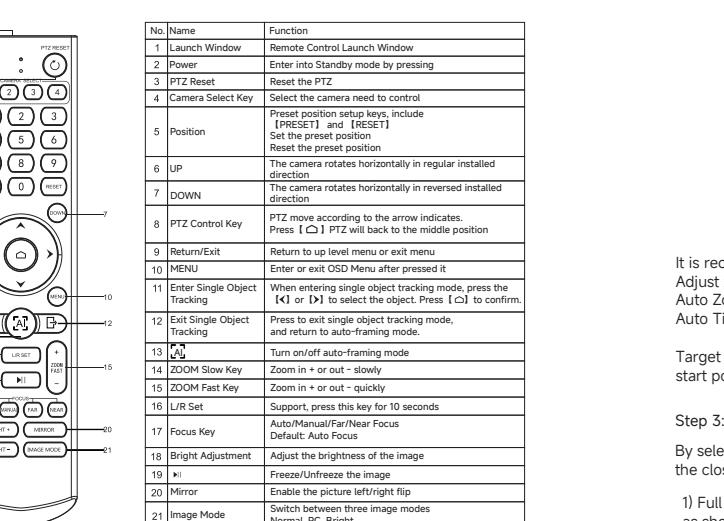
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4. Remote Control Button Description



- ★ Attenions for Remote Control
- 1. Ensure the indicator light for the selected camera is on.
- 2. If the remote control doesn't work, please replace batteries.
- 3. The camera number on the remote must match the camera's address.
- 4. In the [AI] mode, manual zooming is not available. Therefore, when you need to zoom, please make sure that auto tracking is turned off.

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5. AI Tracking Setting from WebUI

From the WebUI, users can set different proportions for close-up images, tracking on/off, tracking zone, tracking target display position,etc.

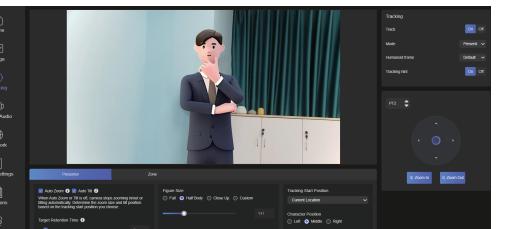
The setting procedures are as follows (it is recommended to set the tracking parameters when the tracking function is turned off):

5.1 Accessing the Camera's WebUI

- 1) Enter the camera's IP address (default: 192.168.0.206) in a browser.
- 2) Log in with the default credentials: Username: admin, Password: admin.



2) Half Body: the close-up includes the half of the tracking target above its knee, as shown below:



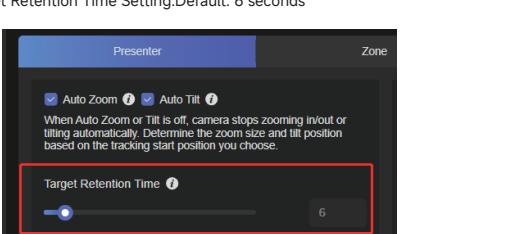
3) Close up: the close-up image includes the target's waist and above, as shown below:



4) Custom: freely set the tracking target size. When the size value is high, the tracking target will be larger in close-up image, which may make the camera not keeping up when the tracking target moves quickly, as shown below:



Step 2: Target Retention Time Setting, Default: 6 seconds



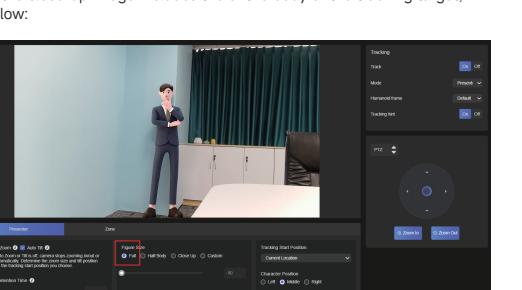
It is recommended to disable tracking during setup. Adjust zoom and tilt settings: Auto Zoom: Enabled by default; adjusts the target size dynamically. Auto Tilt: Enabled by default; keeps the target centered vertically.

Target Retention Time: Set how long the camera head returns to the set tracking start position after the tracking target is lost. Default: 6 seconds.

Step 3: Figure Size (Close-up) Setting

By selecting different modes, users can customize the proportion of the figure in the close-up image, and the setting will take effect immediately.

1) Full Body: the close-up image includes the entire body of the tracking target, as shown below:



Step 4: Tracking Start Position Setting

Options: Current position and Preset position 1

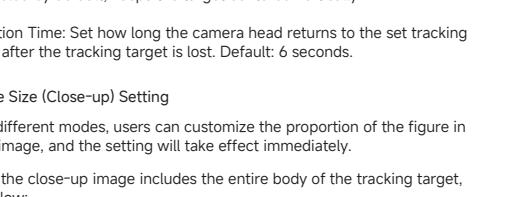
If you select "Current position", then the camera will only track from current position. Similarly, when tracking is stopped, the camera head will return to this position.

If you select "Preset position 1", you need to set preset position 1 for the camera. When tracking is turned on, the camera head will first move to preset position 1. If someone enters the preset position, the camera will automatically track. When the tracking target is lost (exceeding the target retention time), the camera will automatically return to preset position 1.

Step 5: Target Display Position Setting

Default: Middle, optional for Left and Right. This feature is mostly used in live broadcast scenarios.

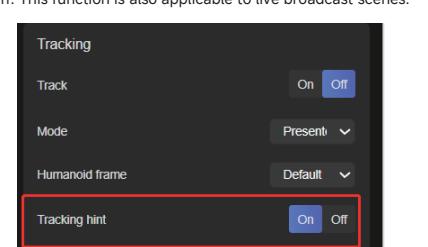
1) Middle: the default position, which keeps the tracking target at the middle of the screen during tracking.



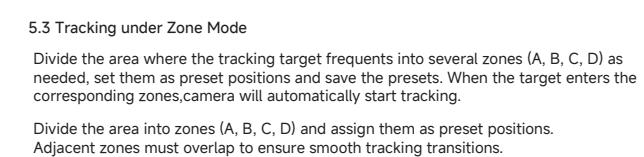
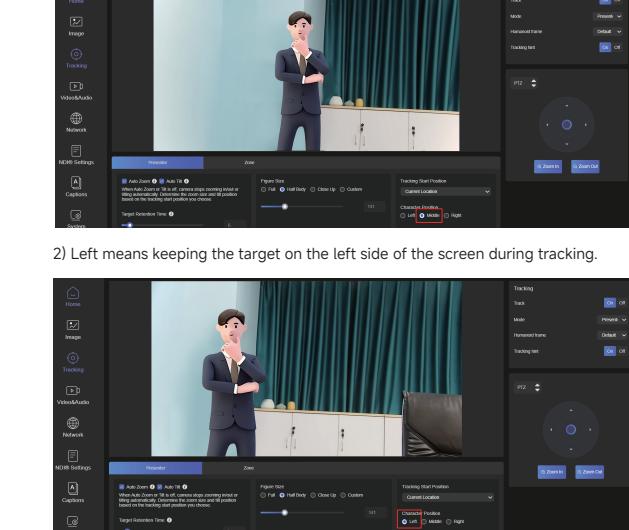
2) Tracking Hint

On: There will be a prompt in the upper left corner of the video screen when tracking is turned on or off.

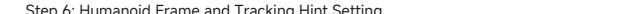
Off: There is no prompt in the upper left corner of the video screen when tracking is turned on or off. This function is also applicable to live broadcast scenes.



Step 7: Turning on Tracking, select tracking target and confirm with Home key.



3) Right means keeping the target on the right side of the screen during tracking.



4) Left means keeping the target on the left side of the screen during tracking.



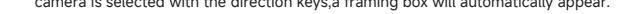
5) Right means keeping the target on the right side of the screen during tracking.



6) Left means keeping the target on the left side of the screen during tracking.



7) Right means keeping the target on the right side of the screen during tracking.



8) Left means keeping the target on the left side of the screen during tracking.



9) Right means keeping the target on the right side of the screen during tracking.

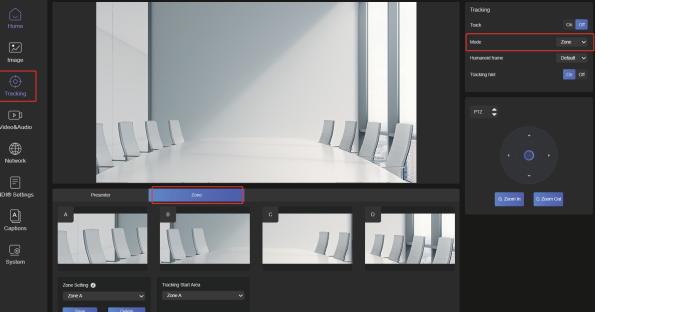


10) Left means keeping the target on the left side of the screen during tracking.

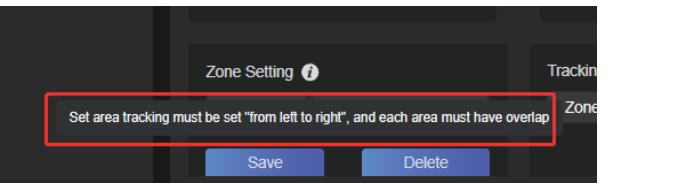


Setting procedures are as below:

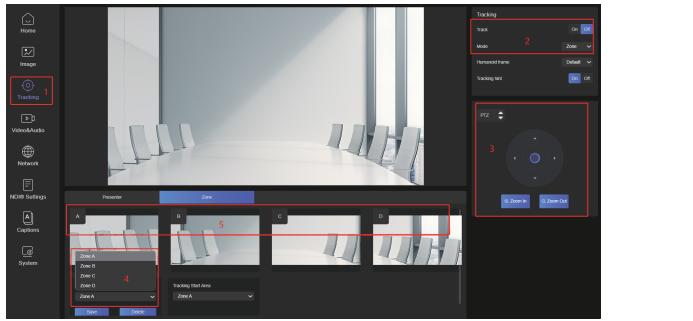
Step 1: Tacking-Mode(Zone).



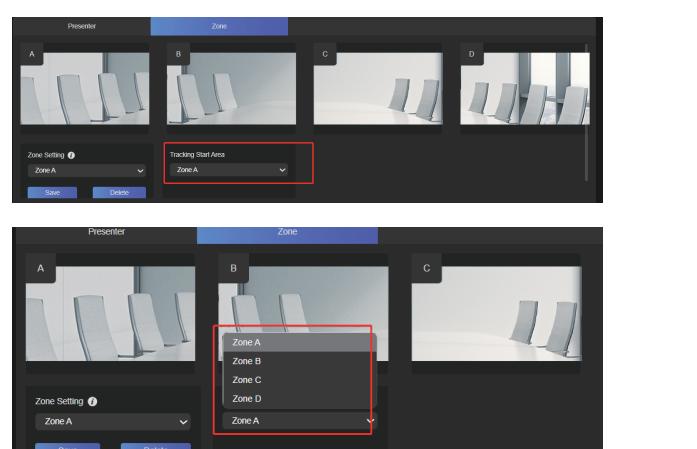
Step 2: Use the arrow keys and zoom keys on the WebUI to adjust the camera head's position, set multiple preset positions such as Zone A, and select "Save". Amount of preset positions depends on actual application needs. Currently, a maximum of 4 zones can be set. If the setting is wrong, it can be deleted or reset. The adjacent zones must overlap with each other and be arranged in sequence, but the serial letters assigned to name them may jump the alphabetical order (it can be C after A, not strictly B after C).



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Step 3: Tracking Start Area Setting: You can select any Zone as the tracking start area. When tracking is turned on, the camera will move to the tracking start area first if someone enters the area, the camera will automatically track. When the tracking target is lost, the camera will automatically return to the tracking start area.



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6. Common Operation Instructions

6.1 Camera Select

Set the IR remote control's address to control the corresponding camera, option item 1/2/3/4

CHANN SELECT
1 2 3 4

6.2 Camera Direction Control



Note: Press the direction key when you need to adjust the angle.

If you want to move the camera slowly, just click the direction key;

If you want to move the camera fast at a large scale, just long-press the button;

If you want to adjust the Pan-Tilt direction, just press and hold the L/R button for 10S.

6.3 Camera Focusing Mode Control

[AUTO FOCUS] Switch the focus mode to AUTO
[MANUAL FOCUS] Switch the focus mode to MANUAL
[FAR] Far focus manually
[NEAR] Near focus manually

6.4 Camera Zoom Control

Press any one of the 4 [ZOOM] to make the zoom functioning.
These 4 keys are not applicable for fixed focus cameras.



6.5 Preset Setup, Call, Cancel

(1) Reserve Preset: Press [PRESET], then press one of the numbers (0~9) to reserve a preset that correspond to the NUMBER.

Note: You can setup 10 presets at most by the remote control.

(2) Call Preset: Press the NUMBER (0~9) directly to call the reserved preset.

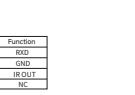
Note: It won't work if there's no preset reserved in the corresponded number.

(3) Remove Preset: Press [RESET], then press one of the number (0~9) to remove a preset that corresponds to the NUMBER.



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6.8 RS-232 Interface Distribution



No. Function No. Function
1 GND 2 DTR IN 3 TXD 4 GND
5 GND 6 GND 7 RXD 8 GND

6.9 RS-485 Interface Distribution



7.2 How to add networking:

7.2.1 Open the computer network local connection attribute window select "Internet Protocol Version 4: TCP/IPv4";

7.2.2 Double-or-right-click "Internet Protocol Version 4 (TCP/IPv4)";

7.2.3 Enter the Internet Protocol Version 4 (TCP/IPv4) window.

7.2.4 Change the computer's IP to 192.168.0.206 so that the computer IP and camera IP are on the same network segment.

PS: If no network segment is added, You will fail to login. The default IP address of the product is 192.168.0.206. "0"network segment needs to be added to the computer.

The IP address cannot conflict with the IP address of other computers or products. Before adding, please verify whether the IP already exists.

7.2.5 Click "OK" to save the settings.

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