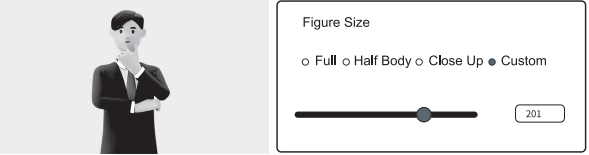
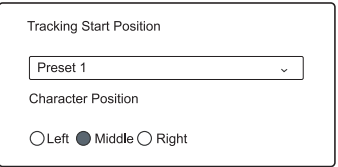


4) Custom: Adjust the tracked subject size freely. Higher values will enlarge the subject in close-up view, but may cause the camera to lag when tracking fast-moving subjects, as shown below:



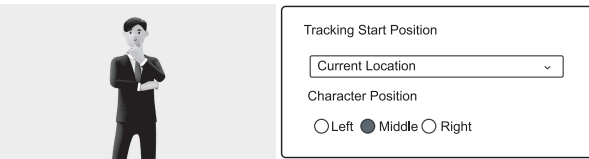
Step 4: Tracking Start Position Setting

Options: Current position and Preset position 1
If you select "Current position", the camera will only track from its current position; and return to this position when tracking stops.
If you select "Preset position 1", you must set this preset position first. The camera will move to Preset position 1 when tracking begins, and automatically track when someone enters this preset zone, and return to Preset position 1 if the tracked subject is lost (after exceeding retention time).

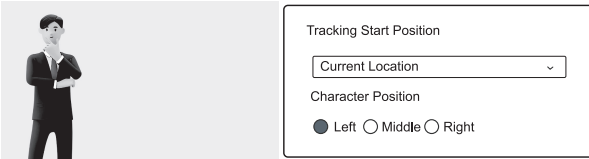


Step 5: Target Display Position Setting

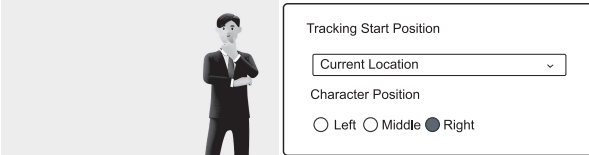
Default: Middle (Left and Right optional)
Primarily used in live broadcast scenarios
1) Middle (default):Keeps the tracked subject centered on screen during tracking.



2) Left: Maintains the tracked subject on the left side of the screen during tracking.

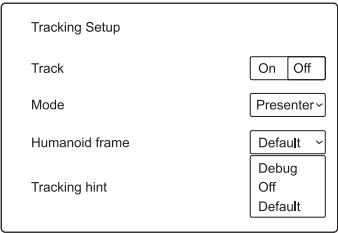


3) Right: Maintains the tracked subject on the right side of the screen during tracking.



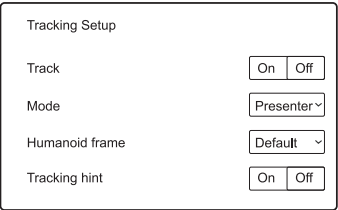
Step 6: Humanoid Frame and Tracking Hint Setting

1) Humanoid Frame (3 options: Debug, Off, Default)
Recommended: "Off" for live broadcast scenarios
Default:
• After enabling tracking:
-Select target from crowd using direction keys (auto-framing box appears)
-Press HOME to confirm → box disappears → tracking begins
Off:
• No framing box appears during target selection
• Ideal for live broadcasts
Debug:
• Framing box remains visible throughout tracking
• For debugging/demonstration only

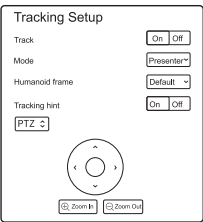


2) Tracking Hint

On:
• Displays a tracking status prompt (upper left corner) when:
-Tracking is activated
-Tracking is deactivated
Off:
• No status prompts appear
• Recommended for live broadcast scenarios

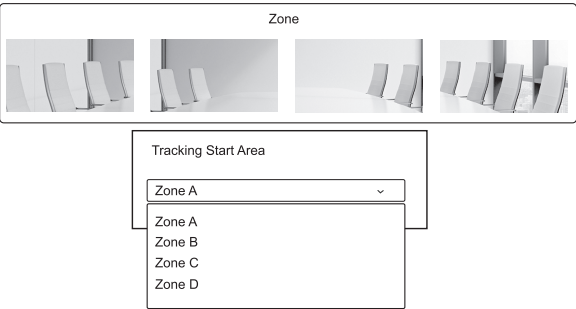


Step 7: Activate Tracking, select target using direction keys and press HOME key to confirm and begin tracking.



6.3 Zone Tracking

Functionality:
Divides the tracking target's frequent activity area into customizable zones (A, B, C, D), each linked to a preset position. When the target enters a zone, the camera automatically recalls the corresponding preset.
Operation Steps:
1) Setup Preparation:
-Navigate to the Tracking menu
-Select Zone Mode (recommended to configure with tracking disabled)
2) Zone Configuration:
-Use the WEB interface directional/zoom keys to frame each zone
-Sequentially save presets for Zone A, B, etc. (max 4 zones)
-Key Notes
(1) Zones must overlap sequentially (e.g., A→B→C or A→C allowed)
(2) Edit/delete presets if needed
3) Tracking Activation:
-Designate any zone as the start/end point
-On activation:
(1) Camera moves to the start zone
(2) Auto-triggers when a target enters
(3) Returns to start zone if target is lost



7. Common Operation Instructions

7.1 Camera Select

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

7.2 Camera Direction Control

▲ Turning up
▼ Turning down
◀ Turning left
▶ Turning right
⬅ Turning to default



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 left and right direction, just press and hold the L/R button for 10S.

7.3 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



7.4 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.



7.5 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.



8. Network Function

8.1 Equipment Installation

Connect the camera to either a PC's external network port via Ethernet cable, or an Internet network through a router/switch. Access the camera's web interface by entering its IP address in a web browser (default IP varies by model - refer to the label on the camera's bottom).

8.2 Configure Computer IP to Match Camera's Network

Purpose: Ensure computer and camera are on the same subnet for communication.

1) Open Network Adapter Settings

Navigate to:
Control Panel > Network and Sharing Center > Change adapter settings
Right-click your active connection → Select Properties

2) Configure IPv4 Settings

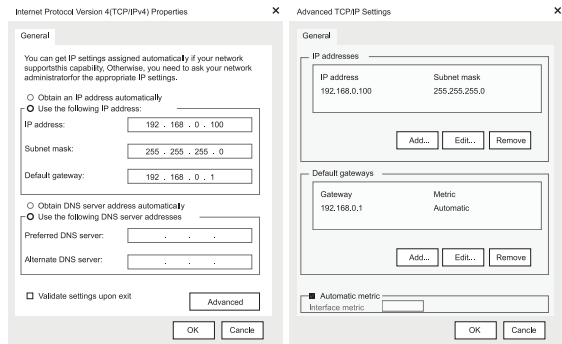
From the list, double-click:
"Internet Protocol Version 4 (TCP/IPv4)"
(or select it and click Properties)
3) Add IP Address Manually
Select:
Use the following IP address
Enter:
IP Address: 192.168.0.xxx (e.g., 192.168.0.245)
Subnet Mask: 255.255.255.0
Default Gateway: 192.168.0.xxx
(typically your router's IP, e.g., 192.168.0.1 or 192.168.0.254)

4) Finalize Changes

Click OK to close all configuration windows
Changes take effect immediately

8.3 Modify Camera's IP to Match Local Network

Purpose: Integrate camera into your existing network.



Steps:

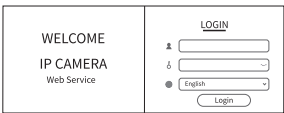
- 1) Access camera's web interface.
- 2) Enter http://192.168.0.206 in a browser.
- 3) Navigate to: Setup > Network Settings > Local Network.

Update settings:

IP Address: 192.168.x.206 (match your subnet, e.g., 192.168.1.206)
Subnet Mask: 255.255.255.0
Default Gateway: 192.168.x.xxx
(typically your router's IP, e.g., 192.168.1.1 or 192.168.1.254)

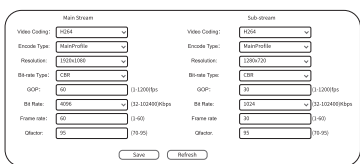
8.4 IE Login

Input http://192.168.0.206 to IE (better with IE or Google web browser), a login window will pop up, input user name: admin, password: admin, language: English. After successfully login, you can do preview, configurations, etc.



8.5 Video streaming

1) Select "Setup"- "Video Settings"- "System Settings" to enter the following interface:



2) RTSP video streaming

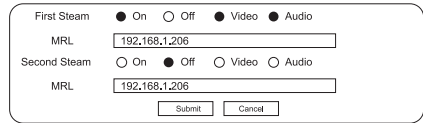
Select "Setup"- "Network Settings"- "RTSP" to enter following interface:



Configure parameters according to the network environment.
For example, Camera default IP Address: 192.168.0.206 here is the way to get RTSP video streaming,
Default RTSP main streaming address: rtsp://192.168.0.206:554/1
Default RTSP sub streaming address: rtsp://192.168.0.206:554/2

3) RTMP video streaming

Select "Setup"- "Network Settings"- "RTMP" to enter following interface:

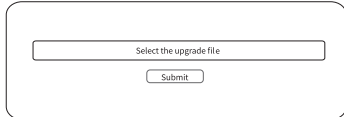


Enable and turn on the RTMP video stream to the server

Server URL: server address, which can be domain name or IP address
Streaming code: Persistent Stream Key/Name

8.6 Software upgrade (upgrade if there is a new version)

Select "Setup"—"Maintenance"—"System Upgrade" to enter the following interface:



- 1) Open the upgrade file to Upgrade automatically if needed.
- 2) Restart the camera and prompts "Upgrade succeeded". Log in to the network and check whether the software version is consistent with the upgrade file to ensure that the upgrading is successful. Then click "Restore factory default" to restart and restore the parameters to the factory default setting. (IP default: 192.168.0.206, User default: admin, password default: admin)

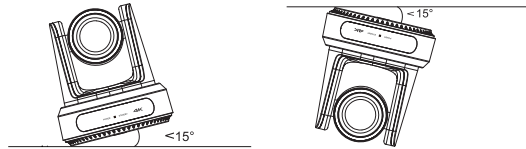
8.7 VISCA over IP

VISCA Protocol is transmitted through IP to reduce RS232/RS485 cabling(the controller must support IP communication)
Communication Port Specification:
Control Port: RJ45
IP Protocol: IPV4
Transmission Protocol: Sony VISCA;
IP address: Setting through the web
Port address: Sony VISCA(52381)
Application Range: Under the same network segment

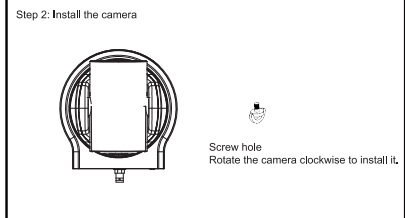
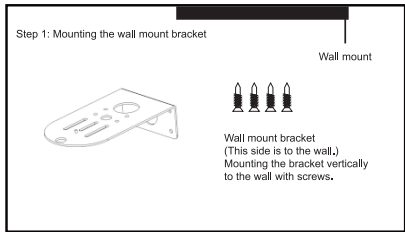
9. Installation Instructions

9.1 Surface Installation

Put the camera on the desk flatly, and make sure the camera is in a horizontal position.
If you want to put the camera on an oblique surface, please make sure the angle of inclination is less than 15 degrees to ensure the camera pan and tilt work in normal operation.



9.2 Wall Mount Installation



10. Trouble Shooting

Before requesting service to service engineer, please refer to the following methods to remove failures. If the failures still can't be solved, please contact us for assistance.

Q: The video of the camera cannot be displayed on the screen.

A: Please check the connection between power cable, video cable, camera and monitor, fix the connector on each end.

Q: It's unable to Pan, Tilt and Zoom camera.

A: Because the menu was displayed on monitor. Please re-operate after exiting the menu

Q: Why the camera rotates for about 10 seconds after power on?

A: This is the normal self-test of the camera

Q: Poor Image quality while using in church or other low-light conditions.

A: Press menu (ON/OFF) to adjust backlight effect to suit the church lighting property.

Q: Remote control is not working or insensitive.

A: ☹Not work, please replace batteries

☺Not sensitive: Choose the correct "IR select"number to correspond to the camera.

Control the camera within 10m (32.8ft). Remove the obstacles. Aim at the sensor which is in front of the camera when controlling it.

Q: USB interface is not identifiable.

A: Please check if the USB cable and extension cable are well connected or not. If yes, change to another USB interface and try to connect again.

Q: It won't be controlled via RS-232/RS-485 when camera connect to PC.

A: Make sure it is a correct connection between the camera and PC.(Reference to RS-485 and RS-232 Pins distribution on page 16).

Q: Why no ceiling mount bracket?

A: Camera comes with wall mount, ceiling mount or tripod brackets need to buy separately.

Q: Does this camera has built-in mic?

A: No, this camera comes with no built-in mic.

Q: Can we control the camera only by the remote control?

A: You can control the camera by remote control, keyboard controller (joystick), and software.