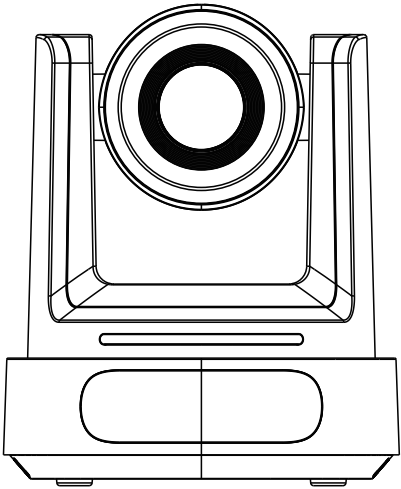


HD PTZ Camera

User Manual



Version V1.0-05.02.0347

Note: Product features are continuously updated.
For the latest manual, please download from our official website or contact our sales.
This manual was updated on Jan 13, 2026.

Warranty Card

Thank you so much for choosing our products.

User's Info

Name: _____ Tel: _____

Email: _____ Postal Code: _____

Address: _____

Product's Info

Product Name: _____

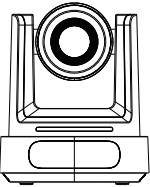
Factory Serial Number: _____

Fault Description

Attention

1. This card is considered as the protection to fix warranty, so please reserve it carefully. Please fill in truthfully.
2. Please indicate the model number, factory serial number and the detailed description of the fault information.

1. Packing List



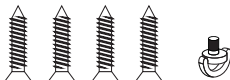
HD PTZ Camera



DC 12V power supply



Wall mount



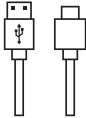
Mounting screws



User manual



Remote control



USB cable

3. Remote Control Button Description

No.	Name	Function
1	Lunch Window	Remote control launch window
2	Power Key	Enter into standby mode by pressing it
3	Camera Select Key	Select the camera need to control
4	Preset Position	Preset position setup keys, include 【PRESET】 and 【RESET】 Set the preset position Reset the preset position
5	AI	Turn on AI and enter Multi-human tracking; Turn off AI
6	Frame	Select a single tracking target person, blue frame indicates selected, green frame indicates locked
7	Lock	Lock and track target person
8	Exit Frame	Press 【Frame】 and then press 【Exit Frame】 to end target lock
9	Up	Installed direction
10	Down	Camera rotates horizontally in reversed installed direction
11	PTZ Control Key	PTZ move according to the arrow indicates. Press 【↵】 PTZ will return to the middle position
12	Return Key	Return to the previous operation
13	Menu	Enter or exit OSD Menu after pressed it
14	ZOOM Slow Key	Zoom in + or out - slowly
15	ZOOM Fast key	Zoom in + or out - quickly
16	L/R Set Key	Long press 10 Seconds to switch the left and right directions
17	Backlight KEY	Turn on/off backlight compensation
18	PTZ Reset Key	The camera returns to its original position
19	Auto Focus	Auto/far/near/manual Default: Auto focus

★Attentions for Remote Control

1. Please check whether the indicator corresponding to the camera selection area is on or not.
2. If the remote control doesn't work, please replace batteries.
3. Make sure the Number keys on the camera selection area are consistent with the remote control address in the menu.
4. Fast/Slow Zoom Keys and Manual/Auto Focus Keys are not applicable for the fixed focus model.

4. Indicator Description

Equipment Status	Indicator Statuses
Power-on initialization	Blue lights flashes in a cycle
Operating Normally	Blue light stays on
Operation Successful	Blue light flashes once
AI Activated	Green light stays on
Target Locked	Green lights flashes once
Target Lost	Green lights flashes three times
Firmware Upgrading	Blue/Green flashes alternately
Operation Failed / Upgrade Error	Red light flashes
Device in fault	Red light stays on

5. Camera Menu Setup

When operating remote control, press 【MENU】 to enter main menu of the video camera.

5.1 Level 1 Menu-Main Menu

Main Menu	
→ Exposure	
Color	
Image	
P/T/Z	
Communication	Off
Tracking	
Information	
Restore Default	
Language	English
[Home]	Enter
[Menu]	Back

Language: Support Chinese/English

Press the 【↵】 button on the Remote to enter level 2 sub-menu.

Press the 【Menu】 button on the Remote to exit menu.

5.2 Level 2 Menu-Exposure

Exposure	
→ Mode	
Auto	
Backlight	Off
ExpComp	00
Flicker	50Hz
[Return]	

Mode: Auto/Manual/SAE/AAE/Bright

Backlight: On/Off(only effective under Auto mode)

ExpComp: Optional item is -7~+7 (only effective under Auto mode)

Flicker: Off/50Hz/60Hz

5.3 Level 2 Menu-Color

Color	
→ Brightness	
50	
Contrast	50
Hue	50
Saturation	50
Sharpness	50
WB Mode	Auto
Rtuning	00
Btuning	00
[Return]	

Brightness: Optional item is 0-99

Contrast: Optional item is 0-99

Hue: Optional item is 0-99

Saturation: Optional item is 0-99

Sharpness: Optional item is 0-99

WB mode: Auto/Manual/VAR/Indoor/Outdoor/Onepush

When the WB mode is Auto, the Rtuning and Btuning value can be tuning.

The range is 0 to 99.

When the WB mode is Manual, the sub-menu will be as shown below.

Color	
→ Brightness	
50	
Contrast	50
Hue	50
Saturation	50
Sharpness	50
WB Mode	Manual
Rgain	40
Bgain	30
[Return]	

When the WB mode is VAR, the sub menu will be as follows:

Color	
→ Brightness	
50	
Contrast	50
Hue	50
Saturation	50
Sharpness	50
→ WB Mode	VAR
Color Temp	5600
[Return]	

The range for the color temp can be adjusted between 2500K to 9000K.

5.4 Level 2 Menu-Image

Image	
→ Flip	
Off	
Mirror	Off
Video Format	4K30
Menu Mirror	Off
USB Mode	BULK
UVC Format	YUY2
Style	Normal
HDMI Mode	Force
[Return]	

Flip: Enable or disable vertical image flip(up/down)

Mirror: Enable or disable horizontal image flip(left/right)

Video Format(HDMI): 4K Camera: 4KP30/4KP25/1080P30/1080P29.95/

1080P25/720P30/720P25

Menu Mirror: Off/On

USB Mode: ISOC/BULK

USB mode: Switch between Isochronous transfers mode and Bulk

transfers mode

UVC Format: YUY2, MJPG

Style Mode: Normal, PC, Bright

HDMI Mode: Force, Auto

5.5 Level 2 Menu-P/T/Z

P/T/Z	
→ Acc Curve	
Middle	
L/R SET	Off
ZOOM Speed	7
AF Zone	Center
AF Sense	Normal
AF Scene	Normal
[Return]	

Acc Curve: Fast/Middle/Slow

L/R SET: On/Off

Zoom Speed: Optional items are 1-8

AF Zone: Bottom/Left/Right/Wide/Front/Top/Center

AF Sense: Normal/High/Low

AF Scene: Normal/Macro

5.6 Level 2 Menu-Communication

Communication	
→ Protocol	
Auto	
→ Baudrate	9600
RC Address	All
Visca ACK	On
[Return]	

Protocol: Option are Auto/Visca/PELCO-D/PELCO-P

Baudrate: Option are 2400/4800/9600/38400

RC Address: Set the IR remote control address to control the

corresponding camera.

Option are ALL/1/2/3/4.

Visca ACK: On/Off

Address: Set the camera's address. Option are 1-7 for Visca, 0-255 for

PELCO-D, 0-31 for PELCO-P.

5.7 Level 2 Menu–Tracking

Main Menu	

→ Exposure	
Color	
Image	
P/T/Z	
Communication	
Tracking	Auto Framing
Information	
Restore Default	
Language	English
[Home]	Enter
[Menu]	Back

Tracking: Off/Presenter/Auto Framing

5.8 Level 2 Menu–Information

Information	

Model	4K Camera
PTZ Version	1.0.2.5
SOC Version	1.2.02
AF Version	3.22
→ IQ Version	1.04.001
HW Version	1.2
[Return]	

Notice:

The version number shown is for reference only. Please refer to the actual parameters for accuracy.

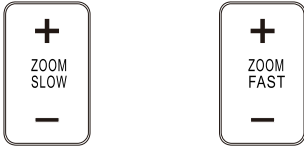
5.9 Level 2 Menu–Restore Default

Restore Default	

Yes	
No	
→ [Return]	

6.4 Camera Zoom Control

Press any one of the four 【ZOOM】 buttons to activate zoom functioning. These buttons are not applicable for fixed focus cameras.



6.5 Preset Setup, Call, Cancel

- (1) Set Preset: Press 【PRESET】 , then press a number key (0-9) to save the current position as a preset corresponding to that number.
Note: You can set up to 10 presets using the remote control.
- (2) Press a number key (0-9) directly to call the corresponding preset.
Note: This will not work if no preset has been set for that number.
- (3) Press 【RESET】 , then press a number key (0-9) to delete the preset assigned to that number.



6.6 Camera AI Tracking by Remote Control

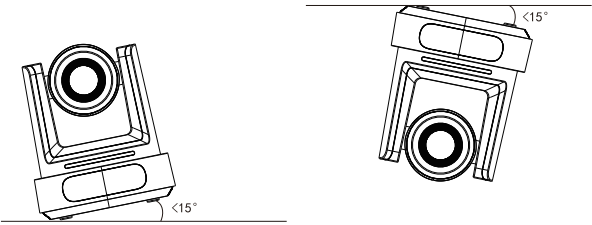


- (1) Enable/Disable AI Tracking: Press the 【 AI 】 button, the AI tracking mode is activated. Press the 【 AI 】 button again, the AI tracking mode is deactivated.
- (2) Selecting a Single Person in Multi-Person Frame:
① When there are multiple people in the camera frame, press 【□】 to enter the selection mode. The person currently being tracked by default will be highlighted with a blue frame. Use the left and right buttons to switch the blue frame to the person you want to lock onto, then press 【👁️】 . The blue frame will disappear, tracking has started.
② In the case of locked AI tracking, press 【□】 , and a green frame will appear around the currently locked-on person. Press 【👁️】 to end the lock-on, and the selection frame will disappear.

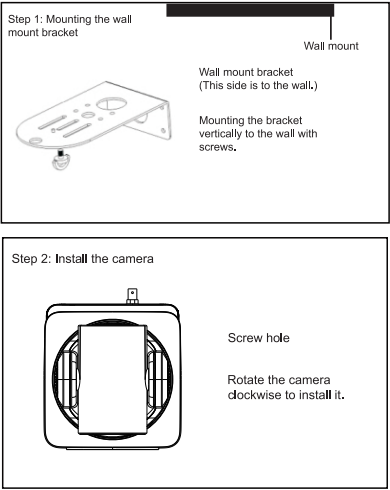
7. Installation Instructions

7.1 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.



7.2 Wall Mount Installation



8. Troubleshooting

- 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 properly.
- Q: Remote control is not working or insensitive.
A: ① Not work, please replace batteries. ② 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. (Refer to RS-485 and RS-232 Pins distribution on page 12).
- Q: Why no ceiling mount bracket?
A: Camera comes with wall mount only. 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.

9. Maintenance Services

- All products purchased from our company are guaranteed to keep in good repair for 36 months. If there are any quality problems during the guarantee period, we will maintain them for free.
- Under any of the following warranties, related maintenance costs will be collected:
1. Product was not normally used.
 2. Fire, electric shock, outside object collapse or other natural disasters causing the equipment damaged.
 3. Unauthorized repair, misuse, abuse or change.

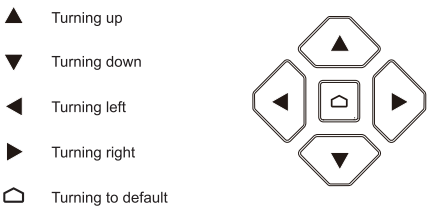
6. Common Operation Instructions

6.1 Camera Select

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



6.2 Camera Direction Control

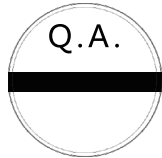
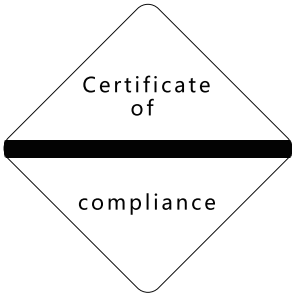


Note: Press the direction key when you need to adjust the angle. To move the camera slowly, just click the direction key; To move the camera quickly over a larger distance, press and hold the direction key.

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



材质:100g书纸, 黑白双面印刷

尺寸: 说明书大小 495*297(w*h)左右4折5页再对折
折叠后 99*148.5mm(w*h)