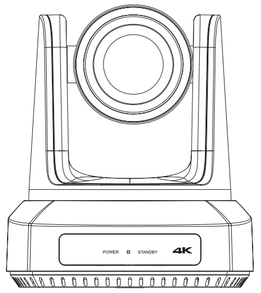
4KP60 AI Auto Tracking PTZ Camera

User Manual



Version V1.0-05.02.0262

Warranty Certificate

(Please keep this for warranty claims)

User Information

Name: _____ Phone: _____

Email: _____ Postal Code: _____

Address: _____

Product Information

Model: _____

Barcode: _____

Fault Description

_____

_____

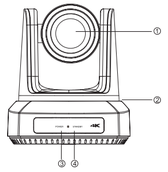
_____

Notes

1. Please fill in your user information accurately and completely to ensure the repaired device can be returned to you promptly.
2. Specify the model, barcode, and provide a detailed description of the malfunction.

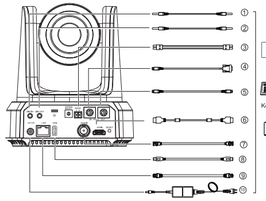
1. Product Description

1.1 Front



① Lens
② Pan&Tilt
③ Power
④ Standby

1.2 Back



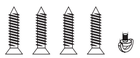
① LINE IN
② LINE OUT
③ RS-485
④ RS-232 IN
⑤ RS-232 OUT
⑥ HDMI
⑦ SDI
⑧ USB
⑨ LAN
⑩ DC 12V

2. Packing List

4KP60 AI Auto Tracking PTZ Camera

DC 12V Power Supply

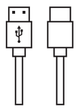
Wall Mount



Mounting Screws

User Manual

Remote Control

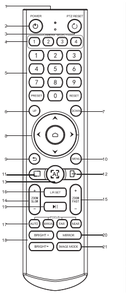


USB Cable

3. Performance Characteristics

Model No.	4KP60 AI Auto Tracking PTZ Camera
Sensor	1/1.8"
Effective Pixels	8.42MP
Video Signals	HDMI: 4KP60, 4KP59.94, 4KP50, 4KP30, 4KP25, 4KP29.97, 1080P60, 1080P50, 1080i60, 1080i50, 1080P30, 1080P29.94, 1080i59.94, 1080P29.97, 720P60, 720P59.94, 3G-SDI: 1080P60, 1080P50, 1080P30, 1080P29.97, 1080P59.94, 1080P25, 1080i60, 1080i50, 1080i59.94, 720P60, 720P59.94.
Zoom	20x optical zoom
Lens	f=6.25mm ~ 125mm
Aperture	F1.58 ~ F3.95
Horizontal Angle	59.6° ~ 3.5°
Vertical Angle	35.7° ~ 2.0°
Diagonal Angle	66.6° ~ 4.0°
Digital Zoom	16X
Video Output	USB 2.0, HDMI, RJ45, SDI
Signal Standard	NTSC/PAL
Control Interface	RS232, RS485, USB, NET
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual, VAR
Backlight Compensation	Support
Digital Noise Reduction	3D Digital Noise Reduction
Baud Rate	9600/38400/24004800
Control Protocol	VISCA, Pelco-D, Pelco-P
USB Protocol	UVC 1.1~1.5
Minimal Illumination	0.5 Lux @ (F1.8, AGC ON)
SNR	≥55dB
Horizontal Rotation	350° (±175°) 0.1°/s ~ 100°/s
Vertical Rotation	180° (-90°) 0.1°/s ~ 80°/s
H & V Flip	Support
Image Freeze	Support
PoE	Support
IPC Features（IP Camera）	
Video Encoding Format	H.264/H.265/MJPEG
Video Stream	Main Stream, Sub Stream
Main Stream Resolution	3840x2160, 1920x1080, 1280x720, etc.
Sub Stream Resolution	720x480, 320x240, etc.
Video Bit Rate	32Kbps ~ 20480Kbps
Bit Rate Type	Variable Rate, Fixed Rate
Frame Rate	50Hz: 1fps ~ 50fps; 60Hz: 1fps ~ 60fps
Audio Compression	AAC, G711A
Audio Bit Rate	96Kbps, 128Kbps
Network Protocol	NDI|HX2, SRT, TCP/IP, HTTP, RTSP, RTMP(S), Onvif, DHCP, GB/T28181, Multicast
Input/Output Interface	
HD Output	1x HDMI 1x3G-SDI: BNC type, 800mV/p-p, 75Ω, Along to SMPTE 424M standard
LAN	1xRJ45: 10M/100M Ethernet Interface
Audio Interface	1-ch: 3.5mm Audio Interface, Line in; 1-ch: 3.5mm Audio Interface, Line Out
USB	1xUSB2.0: Type A
Communication Interface	1xRS232 in: 8pin Min DIN, Max Distance: 30m, Protocol: VISCA/Pelco-D/Pelco-P 1xRS232 Out: 8pin Min DIN, Max Distance: 30m, Protocol: VISCA network use only 1xRS485: 2pin Phoenix Port, Max Distance: 1200m, Protocol: VISCA/Pelco-D/Pelco-P
Power Jack	JEITA type (DC IN 12V)
General Specification	
Power Supply	DC 12V/2A(MAX)
Power Consumption	24W(Max.)
Work Temperature	0°C ~ 40°C
Work Humidity	20% ~ 80% RH
Store Temperature	-20°C ~ 60°C
Store Humidity	20% ~ 90% RH
Product Size	156.1*176.4*175.3mm/289*217*197mm(before / after packing)
Product Weight	1.51kg/2.6kg (net / gross weight)

4. Remote Control Button Description



No.	Name	Function
1	Launch Window	Remote Control Launch Window
2	Power	Enter into Standby mode by pressing
3	PTZ Reset	Reset the PTZ
4	Camera Select Key	Select the camera needs to control
5	Position	Preset position setup keys, include【PRESET】and【RESET】 Set the preset position Reset the preset position
6	UP	The camera rotates horizontally in regular installed direction
7	DOWN	The camera rotates horizontally in reversed installed direction
8	PTZ Control Key	PTZ move according to the arrow indicates. Press【⌂】PTZ will back to the middle position
9	Return/Exit	Return to up level menu or exit menu
10	MENU	Enter or exit OSD Menu after pressing it
11	Enter Single-person Tracking	When entering Single-Person tracking mode, press【◀】or【▶】to select the person.Press【OK】to confirm.
12	Exit Single-Person Tracking	Press to exit Single-Person tracking mode, and return to Multi-Person tracking mode.
13		Turn on/off Multi-Person tracking mode.
14	ZOOM Slow Key	Zoom in + or out - slowly
15	ZOOM Fast Key	Zoom in + or out - quickly
16	LR Set	Support, press this key for 10 seconds
17	Focus Key	Auto/Manual/Far/Near Focus Default: Auto Focus
18	Bright Adjustment	Adjust the brightness of the image
19	•	Freeze/Unfreeze the image
20	Mirror	Enable the picture left/right flip
21	Image Mode	Switch between three image modes Normal, PC, Bright

★ Attentions 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.

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

MENU
- ▶ Exposure
- Color
- Image
- P/T/Z
- Setup
- Tracking Config
- Communication Setup
- Version
- Restore Default

[Home] Enter
[Menu] Exit

5.2 Level 2 Menu - Exposure

EXPOSURE

▶ Mode	Auto
ExpCompMode	On
ExpComp	+2
Backlight	Off
Gain Limit	10
Anti-Flicker	50Hz
Meter	Average
DRC	1

Mode: Auto/Manual/SAE/AAE/Bright
ExpcompMode: On(-7~+7)/Off
Blacklight: Off/On
Gain Limit: 0~15
Anti-Flicker: 50Hz/60Hz/Off
Meter: Average/Center/Smart/Top/Buttom
DRC: 0~8

EXPOSURE

▶ Mode	Manual
Iris	F1.8
Shutter	1/125
Gain	2
DRC	8

Mode-Manual
Iris: F1.8, F2.0, F2.4, F2.8, F3.4, F4.0, F4.8, F5.6, F6.8, F8.0, F9.6, F11.0, Close
Shutter: 1/30, 1/60, 1/90, 1/100, 1/125, 1/180, 1/250, 1/350, 1/500,1/725, 1/1000, 1/1500, 1/2000, 1/3000, 1/4000, 1/6000, 1/10000
Gain: 0~7
DRC: 0~8

Mode-SAE/AAE/Bright

EXPOSURE

▶ Mode	SAE
Shutter	1/10000
Gain Limit	15
Meter	Top
DRC	0

EXPOSURE

▶ Mode	AAE
Iris	F11.0
Gain Limit	15
Anti-Flicker	50Hz
Meter	Top
DRC	0

EXPOSURE

▶ Mode	Bright
Bright	7
Gain Limit	15
Anti-Flicker	50Hz
Meter	Top
DRC	0

5.3 Level 2 Menu - Color

COLOR

▶ WB Mode	Auto
RG Tuning	0
BG Tuning	0
Saturation	100%
Hue	7

WB Mode: Auto/Indoor/Outdoor/One Push /Manual/VAR
R-Tuning: -10~+10
B-Tuning: -10~+10
Saturation: 60%~200%
Hue: 0~14

COLOR

▶ WB Mode	Indoor
Saturation	60%
Hue	1

COLOR

▶ WB Mode	Outdoor
Saturation	60%
Hue	1

COLOR

▶ WB Mode	OnePush
RG Tuning	+10
BG Tuning	+10
Saturation	60%
Hue	1

COLOR

▶ WB Mode	Manual
RG	56
BG	43
Saturation	60%
Hue	1

COLOR

▶ WB Mode	VAR
Color Temp	6500K
RG Tuning	+10
BG Tuning	+10
Saturation	60%
Hue	1

Color Temp: 2500K~8000K

5.4 Level 2 Menu-Image

IMAGE

▶ Luminance	7
Contrast	7
Sharpness	6
Flip-H	Off
Flip-V	Off
B&W-Mode	Off
Gamma	Default
Style	Default

Luminance: 0~14
Contrast: 0~14
Sharpness: 0~11
Flip-H: Off/On
Flip-V: Off/On
B&W-Mode: Off/On
Gamma: Default/0.45/0.48/0.5/0.56/PC
Style: Default/Norm/Bright/PC

5.5 Level 2 Menu-P/T/Z

P/T/Z

▶ SpeedBy Zoom	On
AF-Zone	Front
AF-Sense	High
L/R Set	STD
Digital Zoom	Off
Horizontal Speed	16
Vertical Speed	18
Zoom Speed	5

SpeedByZoom: On/Off
AF-Zone: Front/Top/Center/Buttom
AF-Sense: High/Low/Normal
L/R Set: STD/REV
Digital Zoom: Off/2x/4x/8x/16x
Horizontal Speed: 0~23
Vertical Speed: 0~19
Zoom Speed: 0~7

5.6 Level 2 Menu-Setup

SETUP

▶ Language	EN
DVI Mode	HDMI
Video Format	1080P60
Auto Patrol	Off
Noise Reduction	
Video Mode	
Other	

Language: EN/Chinese
DVI Mode: HDMI/DVI
Video Format:HD1080P60/HD1080P50/HD 1080I60/HD1080I50/HD1080P30/720P60/ 1080P29.97/1080I59.94/1080P59.94/720P59.94/ 4KP29.97/4KP59.94/4KP25/4KP30/4KP50/4KP60
Auto Patrol: Off/On
Residence Time: 1~60
Call Preset Speed: 1~24
Noise Reduction-NR3D-Level: Off/1-9

NOISE REDUCTION

▶ NR3D-Level	9

Noise Reduction-NR3D-Level: Off/1-9

Video Mode

▶ SDI-3G Mode	LEVEL-A
Video Output	HDMI

Video Mode
SDI-3G Mode: LEVEL-A/LEVEL-B
Video Output: HDMI/SDI

Other

▶ Auto Inversion	On
Pre Attr	Off
Display Info	On
Image Freeze	Off

Other
Auto Inversion: On/Off
Pre Attr: Off/On
Display Info: On/Off
Image Freeze: Off/On

5.7 Level 2 Menu - Tracking Config

TRACKING CONFIG

▶ Tracking	Off
Tracking Mode	Presenter
Figure Size	Full

Tracking: Off/On
Tracking Mode: Presenter/Zone/Auto Framing
Figure Size: Full/Half Body/Close Up/Custom(This function is only for Presenter Tracking Mode)

5.8 Level 2 Menu - Communication Setup

COMMUNICATION SETUP

▶ Protocol	Auto
V_Address	1
V_AddrFix	On
Net Mode	Paral
P_D_Address	1
P_P_Address	0
Baudrate	9600
IR Addr	1
DHCP	Off
IP	192.168.0.206

Protocol: Auto/VISCA/PECLP-D/PELCO-P
V_Address: 1-7
V_AddrFix: On/Off
Net Mode: Paral/Serial
P_D_Address: 0~254
P_P_Address: 0~31
Baudrate: 9600/38400/2400/4800
IR Addr: 1/2/3/4/ALL
DHCP: Off/On
IP: 192.168.0.206

5.9 Level 2 Menu - Version

VERSION

ARM	6.0.29
SOC	0.0.08
Model	F51,TV
Date	2025-07-01
AF	3.5.21
Video Format	1080P60
Lens	Z 20X

5.10 Level 2 Menu - Restore Deafult

RESTORE DEAFULT

Restore?	No

Restore?: No/Yes

6. AI Tracking Setting from WebUI

This camera offers three tracking modes: Presenter, Zone, Autoframing. Through the WebUI, users can adjust settings such as: Close-up image proportions, Tracking activation (On/Off), Tracking zone configuration, Display position of the tracking target, etc.

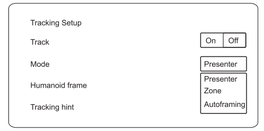
The setting procedures are as below (It is recommended to set the tracking parameters when the tracking function is turned off.):

6.1 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.

6.2 Tracking under Presenter Mode

Step 1: Tracking-Mode(Presenter)



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

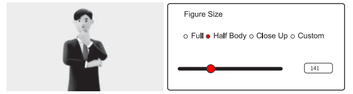
It is recommended to disable tracking during setup.
Adjust zoom and tilt settings:
Auto Zoom: Enabled by default; adjusts the target size dynamically.
Auto Tilt: Enabled by default; keeps the target centered vertically.
Target Retention Time: Set how long the camera head returns to the set tracking start 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 person in the close-up frame, with changes taking effect immediately.

1) Full Body: The close-up frame includes the entire body of the tracked subject, as shown in the image below:

2) Half Body: The close-up frame captures the upper half of the tracked subject, from the head down to the knees, as shown below:

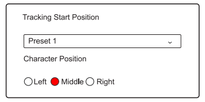


3) Close-Up: The frame captures the tracked subject from the waist up, as shown below:

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

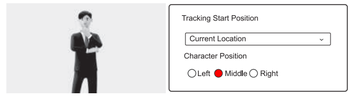
Options: Current position and Preset position 1
If you select "Current position", the camera will only track from its current position; and return to this position when tracking stops.
If you select "Preset position 1", you must set this preset position first, The camera will move to Preset position 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.

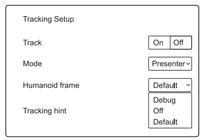


2) Left: Maintains the tracked subject on the left side of the screen during tracking.

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

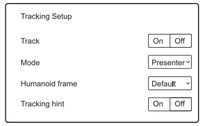
Step 6: Humanoid Frame and Tracking Hint Setting

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

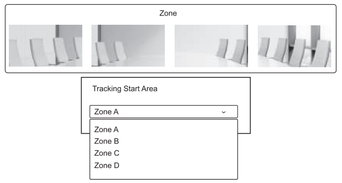


Step 7: Activate Tracking, select target using direction keys and press HOME key to confirm and begin tracking.

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.

7.6 AI Mode

1) Press【AI】button to enter Multi-Person tracking mode and start auto-tracking. Press【AI】button again to exit Multi-Person tracking mode.
2) While in Multi-Person tracking mode, press【C】button to enter Single-Person tracking mode.In Single-Person tracking mode, a green frame will appear when there are two or more people present.Use the left and right buttons to select the person you want to track, then press【C】button to confirm and begin tracking.
3) Press【D】button to exit Single-Person tracking mode and return to Multi-Person tracking mode.

7.7 DIP Switch Settings

DIP	HDMI	SDI
0	1080P60	1080P60
1	1080P50	1080P50
2	1080I60	1080I60
3	1080I50	1080I50
4	1080P30	1080P30
5	720P60	720P60
6	1080P29.97	1080P29.97
7	1080I59.94	1080I59.94
8	1080P59.94	1080P59.94
9	720P59.94	720P59.94
A	4KP29.97	1080P29.97
B	4KP59.94	1080P59.94
C	4KP25	1080P25
D	4KP30	1080P30
E	4KP50	1080P50
F	4KP60	1080P60

1) Default Mode: DIP switch priority
2) Configuration Path: Web Interface → Video Settings → "Video Standard"
3) Available Options: DIP Switch Priority (default),50Hz,60Hz

7.8 RS-232 Interface Distribution

No.	Function	No.	Function
1	DTR	5	RXD
2	DSR	6	GND
3	TXD	7	5V OUT
4	GND	8	NC

7.9 RS-485 Interface Distribution

PIN NUM	FUNCTION
A	DTR B+ (connect to RS-485)
B	DSR B- (connect to RS-485)

8. Network Function

8.1 Equipment Installation

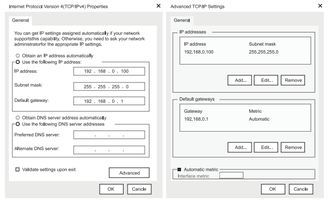
Connect the camera to either a PC's external network port via Ethernet cable, or an Internet network through a router/switch. Access the camera's web interface by entering its IP address in a web browser (default IP varies by model - refer to the label on the camera's bottom).

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

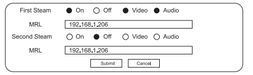
8.3 Modify Camera's IP to Match Local Network

Purpose: Integrate camera into your existing network.



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/live/av0(avO Main)
Default RTSP sub streaming address: rtsp://192.168.0.206:554/live/av1(av1 Sub)

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

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

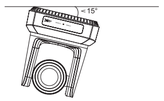
1) Select "Setup"- "Video Settings"- "System Settings" to enter the following interface:

2) RTSP video streaming
Select "Setup"- "Network Settings"- "RTSP" to enter following interface:

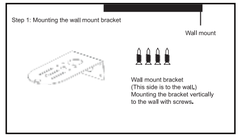
9. Installation Instructions

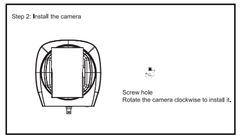
9.1 Surface Installation

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: ①Not work, please replace batteries
②Not sensitive: Choose the correct "IR select"number to corrspond 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.

材质:100g书纸，黑白双面印刷
尺寸: 说明书大小 594*297(w*h)左右5折6页再对折
折叠后 99*148.5mm(w*h)