

3.4 System Set

Device List	System	
Search Device	language	English
	sound	OFF
Manually Add	System	factory reset
		restart upgrade
System Set	version	V5.4.3-20250526
Network Set	☐ visca echo code opened	
exit	Save Cancel	

Item	Description
Language	English/ Chinese
Sound	On/Off for the Keyboard sound
System	Factory Reset / restart/Upgrade When executing the factory reset, do not move the PTZ joystick and the ZOOM in/out button
Version	Keyboard Version

3.5 Network Set

Device List	Network	
Search Device	type	DHCP
	ip	192.168.0.113
Manually Add	mask	255.255.255.0
	gateway	192.168.0.196
System Set	DNS	192.168.0.196
Network Set		
exit	Save Cancel	

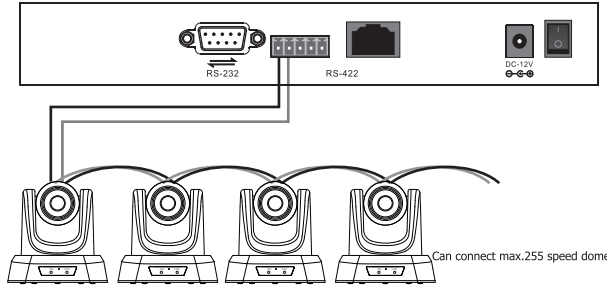
Item	Settings	Description
Type	STATIC/DHCP	Specify a static IP or let DHCP to assign an IP to the keyboard
IP Address	192.168.0.179	For a static IP, specify the IP address in this field
Mask	255.255.255.0	For a static IP, specify the mask in this field
Gateway	192.168.0.1	For a static IP, specify the gateway in this field
DNS	192.168.0.179	For a static IP, specify the DNS in this field

4. Camera Connection Description

4.1 Analog Connection

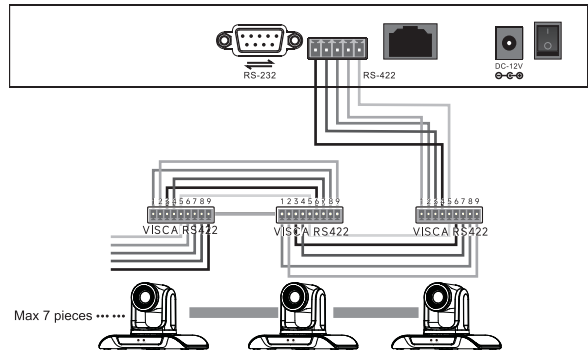
4.1.1 RS485 Connection

Analog Mode: Connection diagram of controlling PTZ camera Via RS485.



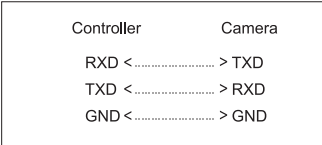
RS485 Control Output: RS485+ of PTZ camera connects to Ta of RS422 on the joystick controller and RS485- of PTZ camera connects to Tb of RS422 on the Joystick controller.

4.1.2 RS422 Connection



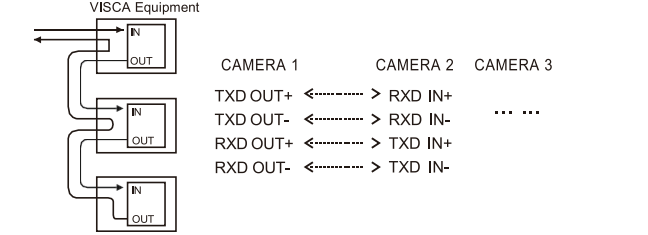
4.1.3 RS232 Connection

The first pin RXD of joystick controller (10pin terminal) connects to the Input interface TXD of camera, the second pin TXD of joystick controller connects to RXD of camera, the third pin of joystick controller connects to GND of camera (also can use the standard RS232 interface (DBO) of joystick controller to connect the camera.)

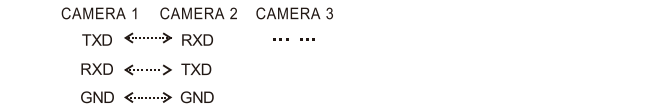


4.1.4 Connection Between Cameras

Use the RS485 bus cascade connection method. The output of camera #1 connects to the input of camera #2 and the output of camera #2 connects to the input of camera #3 and so on as shown in the diagram below:

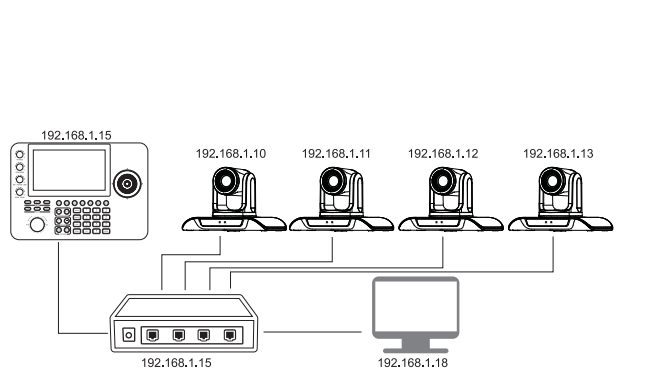


The RS232 cascade connection method is essentially the same as that for RS485: connect the output of camera #1 to the input of camera #2, the output of camera #2 to the input of camera #3, and so on.



4.2 Network Connection

Network Mode: Connection diagram of controlling PTZ camera via VISCA, NDI, ONVIF.



Connect the camera and joystick controller in the same LAN and ensure their IP address in the same network segment, such as 192.168.1.123 and 192.168.1.111 belong to the same network segment, while 192.168.1.123 and 192.168.0.125 do not belong to the same network segment, so you need to modify the joystick controller or the ptz camera IP address. The joystick controller gets its IP address dynamically.

5. Network Configuration

5.1 Home connection & Login

Please connect the power cable and then the network cable to the joystick controller.

The initial username: admin; password: blank.

1. Connect the joystick controller and computer to the same LAN segment, enter the joystick controller IP address (The default IP address: 192.168.0.180) to the browser.

The page display as follows:

PTZ Controller

Login

English

Login

2. Default username: admin; password: blank.

3. Enter device web interface, the page display as follows:

Channel	IP	Port	Protocol(network)	Baudrate	Address	Protocol(analog)	Operate
1	192.168.0.205	52381	SONY VISCA(UDP)	9600	1	PELCO-D	
2	192.168.0.206	52381	SONY VISCA(UDP)	9600	2	PELCO-D	
3	192.168.0.207	52381	SONY VISCA(UDP)	9600	3	PELCO-D	
4	192.168.0.208	52381	SONY VISCA(UDP)	9600	4	PELCO-D	
5	192.168.0.209	52381	SONY VISCA(UDP)	9600	5	PELCO-D	
6	192.168.0.210	52381	SONY VISCA(UDP)	9600	6	PELCO-D	
7	192.168.0.211	52381	SONY VISCA(UDP)	9600	7	PELCO-D	

Search Type

ONVIF

NDI

Camera: 1

Type: Network Protocol

Network:

Protocol: SONY VISCA(UDP)

IP: 192.168.0.205

Port: 52381

rtsp url: rtsp://192.168.0.205:554/live/av1

rtsp user: admin

rtsp password: admin

Analog:

Protocol: PELCO-D

Baudrate: 9600

Address: 1

4. After entering the device home page, you can view the details of the device parameters, which can be changed.

5. Click to add and modify the device parameters in the LAN. Input the device number corresponding IP address, port number and user name and click save.

Note: When entering the joystick controller web interface to add a device successfully, which will be displayed on the LCD screen of the joystick controller. After adding the device on the web interface successfully, click the joystick controller corresponding number to control the camera.

5.2 WEB Interface setup

Network settings can modify the device's IP acquisition method and port parameters, as shown below:

Network

Network Type: STATIC

IP Address: 192.168.0.11

Netmask: 255.255.255.0

Gateway: 192.168.0.1

DNS1: 8.8.8.8

DNS2: 114.114.114.114

MAC: 3A:2D:75:FB:9B:2E

Save

Dynamic Address(DHCP)(Default acquisition method):The joystick controller will request an IP address from the router automatically. After the request is successful, it will be displayed on the joystick controller's display.

The display format is: " Local IP: 192 .168 .x . xxx ". Static Address(STATIC): When the user wants to set the network segment by himself modify the network type to a static address and fill in the information of the network segment that requires to be modified.

5.3 System upgrade

Upgrade

Browse Upgrade

Upgrade function is used as the maintenance and update joystick function. After entering the upgrade page, select the correct upgrade file and click "start". The device will automatically restart after the upgrade is completed.

Note: Do not perform any operations against the device during its upgrade process, and do not power off or disconnect the network!

5.4 System Reset

Reset

Reset

When clicking the device to reset, the joystick controller will remove all data, and the network will automatically default to a static IP. Recommended caution operation.

5.5 Account

Network	Settings				
Upgrade	☐	ID	Username	Password	Modify
Reset	☐	1	admin1		
Restart	☐	2	admin2		
Import	☐	3	admin3		
Export	☐	4	admin4		
Account	☐	5	admin5		
Calibrate	☐	6	admin6		
Version	☐	7	admin7		
Multiview	Add Delete				

5.6 Joystick/Rocker calibration

Network	Joystick calibration Rocker calibration	
Upgrade	Manual Calibration	
Reset		
Restart		
Import		
Export		
Account		
Calibrate		
Version		
Multiview		

5.7 Restart & Version

Reset

Reset

Reset

Hardware: V1.0.1-190823

Software: V5.3.2-20250918

Web: V3.0.6-20250918

After the device is used for a long time, you need to restart it for maintenance. Click Restart to restart the camera.

5.8 Multi-View Setting

There are 4 zones on the screen, select the IP address of the camera you want to display the camera screen in the corresponding zone.

Multiview

1

2

3

4

ID1-192.168.0.205

ID2-192.168.0.206

ID3-192.168.0.207

ID4-192.168.0.208

ID5-192.168.0.209

ID6-192.168.0.210

ID7-192.168.0.211

6. Trouble Shooting

Q1: LCD Display shows "Control Failure"

This can occur when the controller doesn't receive a response from the camera.

- Please check that the network jacks you are using are active.
- Please check that the network cable you are using is not failing.
- Please check that the camera is supplying an Acknowledgement and Completion response.

Q2: The joystick isn't controlling any cameras at all

This can occur when the camera(s) and/or joystick aren't properly set up.

- Check that the network jacks you are using are active.
- Check that the network or serial cables you are using are not failing.
- Check that the camera control address matches the joystick control address.
- Check that you are in the correct control mode. Hold the Joystick Controller button for 3+ seconds to toggle between serial and Network control.

Q3: Multiple cameras are being controlled at once

This can occur when multiple cameras are set to the same joystick control address.

Check the camera's control addresses and ensure that each camera has a unique address.

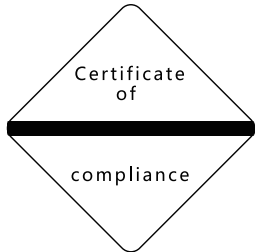
- Open the joystick OSD menu and select option 3. Device List: Inquire. Check that none of the connected cameras have the same control address.
- Log into the Web UI and select Devices. Check that none of the connected cameras have the same control address.

Note:

- Add device for manual addition.
- Enter the correct port number and device connection protocol in Add Device.

When the screen displays "Incorrect username and password", please check whether the username and password of the added device are correct.

When use ONVIF protocol but fails to add devices of other brands, please check.



材质:100g书纸, 双面黑白印刷

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)