Professional Camera Network Controller

CATx G2



User Manual

V1.3 (English)

Preface

Thank for using walogy profesional CATx G2 Camera Network Controller.

This product is specially for multi-IP PTZ cameras realize unified control and R&D (Research and developed) IP keyboard controller in the same (LAN).This equipment adopts ONVIF protocol to starting communication, connection, and control etc operation which application in most of this industry. Can compatible different kinds of IP PTZ cameras. Embedded Web Server can support user through browser easy manage and maintenance products. In order to suitable different operate systems, This products Support all of main browser, such as: Internet Explorer, Firefox, Chrome, Safari, etc.

Network Keyboard can be applied to installed in Multi-IP PTZ camera places, such as school, hospital, hotel, factory, workshop, etc. More important is equipment can change control freedom, will be more convenient and quick.

Before installation, please check whether all of products accessories are complete. If missing any packing accessories. Please contact local distributor in time.

Precautions

This product can only be used in the specified conditions in order to avoid any damage to the camera IP controller:

- Don’t subject the camera network controller to rain or moisture.
- Don’t remove the cover. Otherwise, you may get an electric shock. In case of abnormal operation, contact the authorized distributor.
- Never operating under unspecified temperature, humidity and power supply.
- Please use the soft dry cloth to clean the CATx G2. If it is very dirty, clean it with diluted neutral detergent, do not use any type of solvents, which may damages the surface.

Note:

This is class A production. Electromagnetic radiation at the specific frequency may affect the image quality of TV in home environment.

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Note

- **Electric Safety**
  Installation and operation must accord with electric safety standard.
- **Caution to transport**
  Avoid stress, vibration and soakage in transport, storage and installation.
- **Polarity of power supply**
  The power supply of the product is +12V, the max electrical current is 2A.Polarity of the power supply plug drawing as follows.



- **Careful of installation**
  - Don’t apply in corrosive liquid, gas or solid environment to avoid damaging the cover which is made up of plastic material.
  - Never power on before installation is not completed.

- **Don’t dismantle the controller**
  We are not responsible for any unauthorized modification or dismantling.

CAUTION!

The specific frequency of electromagnetic field may affect correct works!

Supplied Accessories

When you unpack, check that all the supplied accessories are included:

- Network Controller..... 1PCS
- AC Power Adaptor..... 1PCS

Product Overview

Description

● Network keyboard covered with painted iron, high grade, The unique surface hardening can prevent scratches.

● Adopt industrial grade LCD modules, have better display.

● Support ONVIF protocol, good Compatibility, high Scalability, built-in web server, which made through configuration interface concise, easy to use, and easy to control the IP camera.

Product Features

Support ONVIF protocol.

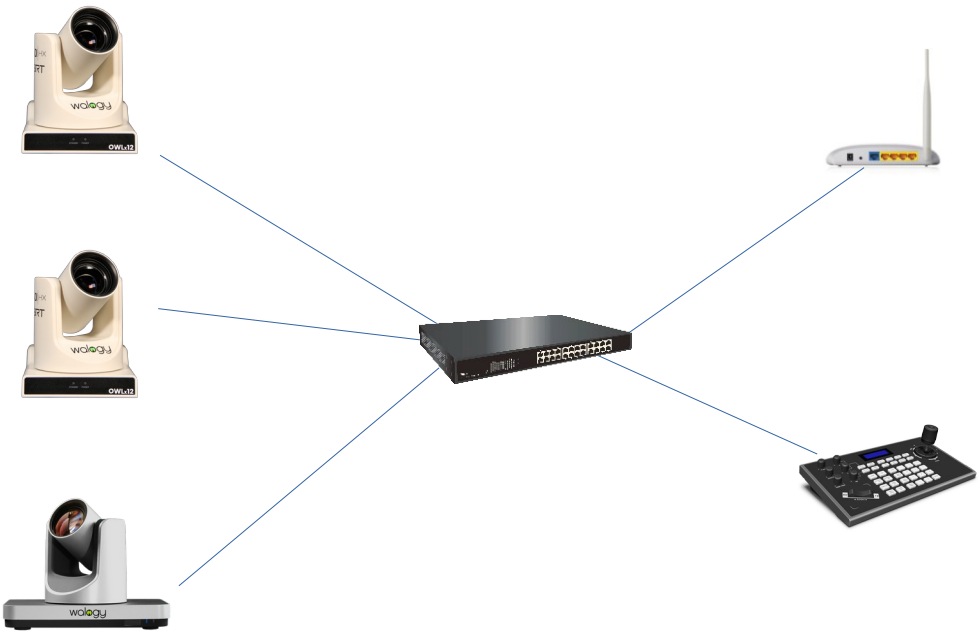
Support offline search and add equipment.

Support multi-brand ip PTZ camera.

Support Operating presets patrols and patterns. Support setting the configuration parameters.

4D joystick

Connection diagram



The connection between the keyboard and the camera is in the same LAN, and ensure that network segment of IP address is consistent such as: 192.168.1.200 belong to the same network segment; At this point you need to modify the IP address of the keyboard or the camera. The default mode which keyboard gets IP is dynamically obtain.

Installation and Settings

Connection and landing

Connect the keyboard with the power supply, and the network cable. When the keyboard start up the screen displays local IP.

Search and add

Use the keyboard to add LAN equipments as followed

1. When the device normally get the IP, please press "Search" button on your keyboard
2. The device will automatically display all the devices which support ONVIF protocol in the LAN, after completing the search.
3. Flip the page through the joystick down and up to select the equipment you need and press ADD to add.
4. Need enter the current user name and password when you add devices distinctive.
5. Press "save" button to save after input.
6. When you add a device, multiple devices can be added continuously.

Query and Control

1. By pressing the "Search" button to view the added equipment
2. By pressing the "Enter" button to select the corresponding device
3. When the screen display “Destination IP:192.168.x.xxx”, indicate the successful connection. Then you can operate such as controlling PTZ, zoom and so on.
   4.When the screen displays “Equipment offline”, Please check if the connection of the device is normal in LAN
4. When the screen displays “Username or Password Error”, Please check if the added device’s user name and password are correct or not.

Web Configuration

Switch

1. When add multiple devices the user can press the camera number to switch quickly.
2. Can control directly movement in booth axis X and Y as well as zoom after switching.

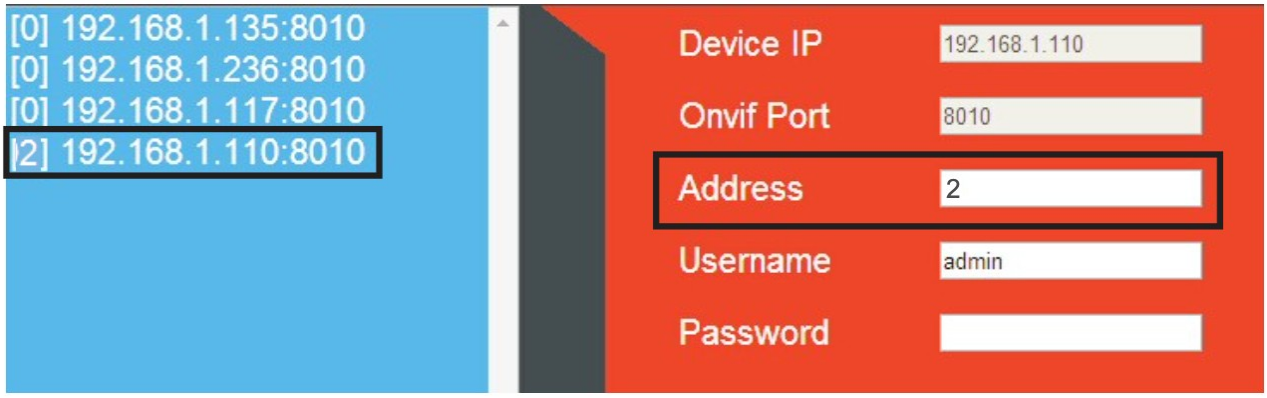
Home page

1. Using the IP address of the keyboard displayed be able to access it by web browser.
2. The default user name: **admin** Password: **empty**
3. Enter the main page of device, the screen displays as followed:



4. Enter the main page of device, there are three lists:
    1. Search Equipment List (green frame)
    2. Added Device List (blue frame)
    3. Equipment details (orange frame)
    4. Manual add (yellow frame).
    5. Click the "Search" button to search in LAN, it will be displayed automatically in the green box after the search completed.

6. Select the device you want to add in the search list, then click the "Add" button. By pressing "Ctrl" to multiple choice.
7. Selected the device you want to delete in the "Add Device List", then click delete. By pressing "Ctrl" to multiple choice.
8. After adding the device, click the IP of the device in the "Add Device List"(blue frame), and edit information such as accounts and ports.



9. Select a different Address for each camera.
10. Please click on "Save" after adding.

Ps: Change configuration and parameters in main menu, you must click Save, otherwise the changes will not be modified.

Factory Reset

In case any improper setting or configuration wrongly operated, Select factory reset function to ensure the normal working again. Be careful of it!

There is a button at the back of the equipment press it up to the controller blink the light and restart.

Restart

After long time working, Select restart function to ensure the device get the proper maintenance.

Technical Specification

Power supply	DC12V-1A/ positive outside negative inside
RS485	3.81 pitch terminal ， TA,TB
RS232	Db9 male port
Ethernet	RJ45 ，IEEE 802.11b/g/n
Support protocol	Onvif 2.4
browser	IE 、 Firefox 、 Chrome 、 Safari and so on.
Work temperature	0°C~55°C / 14°F~131°F
Work humidity	20%~80%(frostless)
Storage Temperature	-10°C~60°C / 14°F~140°F
Storage humidity	0~90%(frostless)
Weight	3kg
certification	CE 、 FCC 、 RoHS
warranty	One year

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