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HD IR Waterproof Eyeball Network Camera

Quick Start Guide
Important Notice

1. Please don’t update the firmware as it is updated from Chinese version and don’t support update.

2. This user manual is taking IPC-HDW4431C-A as an example, but applies to other models (IPC-HDBW4431R-S, IPC-HDBW4431R-AS, IPC-HDBW4431R-ZS, IPC-HFW4431R-Z, IPC-HFW4431M-I2, IPC-HDW4433C-A, IPC-HDBW4433R-(R-AS),(R-ZS)).

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1. Network Configuration

Note: Camera power is DC 12V or POE 803.2a.f

In order to make the camera get access to the network smoothly, please plan the useable IP segment reasonably according to the actual network environment.

1.1 Modify IP Address

IP address can be acquired and modified through quick configuration tool for the cameras which are accessed via wired network. In this chapter, it will introduce the approach of modifying IP address via “Quick Configuration Tool”; also you can modify the IP address in the network parameters of the WEB interface.

Note: Currently the quick configuration tool only supports the cameras which apply to the same network segment with computer IP address.

Step 1: Install ConfigTooL (download the ToolBox via official website, login the ToolBox, then install the ConfigTool.)
Open the ConfigTool. If the camera is connected correctly, it will show as Figure 1-1.

Figure 1-1

**Step 2:** Click the icon [ ], input the IP address, which must be the same network segment with your computer, to target IP as below. Input Subnet Mask and Gateway, and then click [ ]. Please refer to Figure 1-2 for more details.

Figure 1-2

After entering all information correctly, you will get the dialogue box as Figure 1-3:
1.2 Login WEB Interface

Note: Different devices may have different WEB interfaces, the figures below just for reference. Install WEB plug-in when you use WEB client for the first time, the exact operation steps are shown as follows:

**Step 1:** Two ways can open web interface successfully

1): Based on above steps, click icon , then it will connect IE directly. Please refer to Figure 1-4.

2): Open IE and input the modified camera IP address in the address bar.
**Step 2:** Page turn to the login interface shown as below, input your user name and password. Default factory user name and passwords is admin, (new model camera is uninitialized, Need to set a new password to initialize it) then click “login”. See Figure 1-5 for more details.

![Figure 1-5](image)

**Note:** The system will display “Update Password” prompt box for your first login, users need to modify the password and save it properly. Write it down in case forget.. See Figure 1-6.

![Figure 1-6](image)
**Step 3:** After logging successful, you may see the interface shown as in Figure 1-7.

![Figure 1-7](image1.png)

Click on “Please click here to download and install the plug-in”. The system pops up a warning information said “do you want to run or save this file?”. See Figure 1-8

![Figure 1-8](image2.png)
Click the “run” directly or save the file, then install it. Follow the following steps, see Figure 1-9 and Figure 1-10.
When plug-in installation is completed, the page will close directly followed by the web-end refreshment, then video captured will be shown.

Conditions

Conditions: Adjust image quality—see Figure 1-11.

Figure 1-11

Zoom and Focus—see Figure 1-12 (Note: Only motorized vari-focal devices support focus and zoom function, like IPC-HDBW4431R-ZS, IPC-HFW4431R-Z)

Adjust focal length: after zoomed, set “Speed” and press “+”, “-” or drag the sliding block directly.

Adjust definition: after focused, set “Speed” and press “+”, “-” or drag the sliding block directly.

Note: SPEED is to set the length by pressing “+” and “-”.

When adjusting the focal length of the lens or click “Auto Focus”, the image definition will be changed. In this case, implementation other lens operation is not allowed during auto focus.

After try many times, the image may fails to be adjusted clearer, click “Restore All” to reset the lens to zero and remove the accumulative error of the lens.
Click “Refresh”, device will automatically synchronize the hardware to the location of sliding block of lens zoom and focus.

**Video**

Set the Camera Parameters:

Select “Setup > Camera > Video > ” and the system will display the interface of “Video”. See Figure 1-13

![Figure 1-12](image1)

![Figure 1-13](image2)
SMTP (e-mail)

The SMTP interface --See Figure 1-14

![Figure 1-14]

Motion Detection

Select “Setup > Event > Video Detection > Motion Detection” and the system will display the interface of “Motion Detection” -- see Figure 1-15 and Figure 1-16

![Figure 1-15]

Select “Area setup” to set the motion detection area --see Figure 1-16

![Figure 1-16]
IVS

IVS included some events. --see Figure 1-17

2. Connect to NVR

There are two ways that connect to NVR (two types of NVR), shown in Figure 2-1

NVR:
Connect camera to NVR, the NVR will auto adjust to camera IP, don’t need modify camera IP.

ONVIF NVR (Third-party brand)
1) Camera connect to NVR that have POE Ports, the camera IP Network Segment must be same as the NVR Port’s. (e.g.: Hikvison NVR Port’s IP Network Segment is 192.168.254.XX, so the camera IP must be 192.168.254.XX.)
2) Camera connect to NVR via POE switch or router (NVR have not POE ports), the camera IP Network Segment Should be same as the POE switch or router’s. (e.g.: router’s IP is 192.168.1.1, so the camera IP must be 192.168.1.XX).

2.1 NVR Configuration

Search the IP by the Configtool. If your NVR is uninitialized, you need to initialize the device. Login the NVR via browser, install the plugins.

2.1.1 Cameras that have default password “admin” (Model as IPC-HDW4431C-A, 4431R-ZS, 4431R-Z)

Cameras can plug and play.

2.1.2 Uninitialized camera (Model as IPC-HDW4433C-A, IPC-HDBW4433R-AS).

Cameras can plug and play, and the uninitialized camera will initialized via NVR, and the password is same as the NVR’s.

2.1.3 Camera password is not the “admin”

Cameras can’t plug and play, Need connect it to NVR by manual.

Select “Setting > Camera > Registration > modify”, enter the camera password to add it, then Camera connecte to NVR. --See Figure 2-2 and Figure 2-3, Figure 2-4.

Figure2-2
2.2 ONVIF NVR Configuration (Hikvison NVR for example)

2.2.1 Camera connect to Hikvison NVR POE Ports. (NVR have POE Ports)

Note: Check your NVR preview and playback max resolution supported before configuration.

**Step1:** Log in the camera via browser. Adjust camera resolution is higher than NVR max preview resolution, and Synchronize Time in accordance with your local time. See Pics Figure 2-5, Figure 2-6
**Step 2:** Hikvision NVR POE Ports’s IP Segment is 192.168.254.XX, Change camera IP to 192.168.254.XX, shown in Figure 2-7, then connect camera to NVR port.

**Step 3:** Manual add camera to NVR
Log in the Hikvision NVR, Select “Configuration> Camera Management > Registration, See Figure 2-8
Click camera channel, then click “modify”, adding method select “manual”, enter camera IP, protocol select “ONVIF”, Port “80”, enter the camera password, click “OK”. Shown in Figure 2-9

Figure 2-9

Refresh several times, status will be online, connected successful. Shown in Figure 2-10.

Figure 2-10

2.2.2 Camera connect to Hikvision NVR via Router or POE Switch (NVR haven’t POE Ports)

The camera, NVR and router IP must be in same Segment, such as the Router IP is 192.168.1.1, the camera and NVR IP have to be 192.168.1.XX. Log in the NVR, Select “Configuration> Camera Management > IP camera, See Figure 2-11
Click the camera channel, then click “Quick Add”, select the camera, click “ok”, then click “modify”, enter the camera IP, Protocol select “ONVIF”, Port is “80”, enter the camera password, click “OK”. Shown in Figure 2-12, Figure 2-13

Refresh several times, it will be online status, connected successful. Shown in Figure 2-14
3. Mobile Phone APP

3.1 Downloading and Installation

The product has Android and iOS versions

Android:
Open Google Play app in your smart phone. In Google Play, search gDMSS Plus. The first app searched out should be this software. See Figure 3-1.

iOS:
Open App Store APP in smart phone. search iDMSS Plus. The first app searched out should be this software. See Figure 3-2.
3.2 Add Device

Open the APP, touch Device Manager icon to manage devices, shown in Figure 3-3.

Select the P2P, DDNS, IP/Domain to add the device,

If you select the P2P, you can Scan QR Code to add device, the QR Code is on the camera body. If there have no QR Code, have to manual add the camera serial number (serial number in the SADP, show in Figure 3-4)

Scan the QR Code or manual add the Serial Number, enter the name and the camera password, touch the Start Live Preview, the camera will be previewed in the APP. Shown in Figure 3-5.
Anymore Questions Met, pls contact our technician:

Damon

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