

# NVR and IP Cameras

## Setting WiFi connection with wireless IP Cameras

### Before you begin you will need:

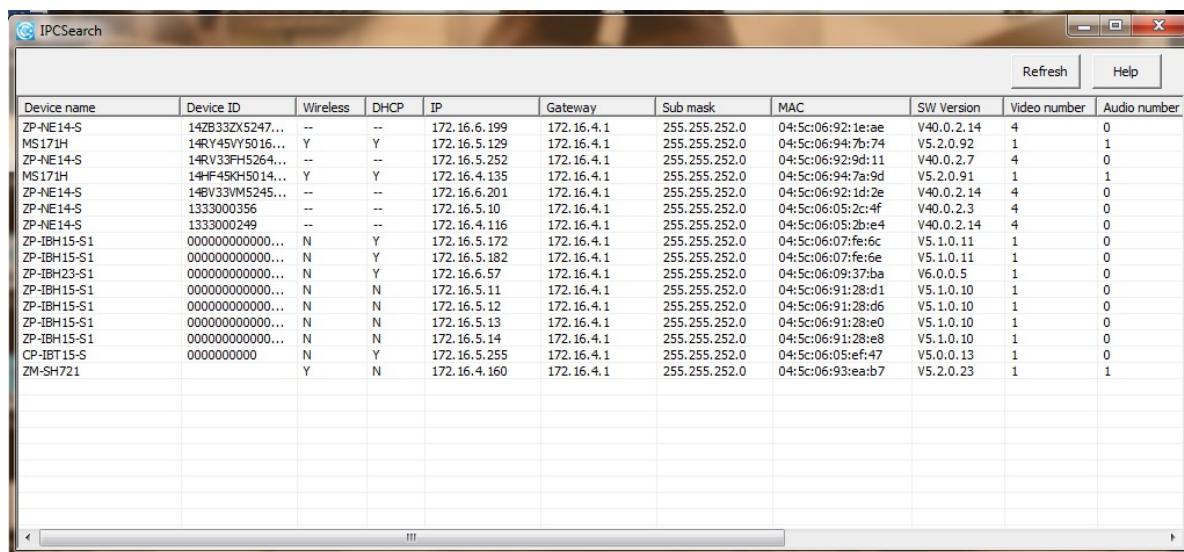
- Camera MUST be WIRED directly to your router and powered on
- Router IP address range
- Gateway address (this is your router's IP address)

>You will need to install the IPC Search software located here:

[http://files.zmodo.com/Software%20Files/NVR%20Tools/IPCSearch1.0.15\\_Setup.exe](http://files.zmodo.com/Software%20Files/NVR%20Tools/IPCSearch1.0.15_Setup.exe)

Once installed:

>Click "refresh" to find wireless devices.



The screenshot shows the IPCSearch application window. It has a title bar with 'IPCSearch' and standard window controls. Below the title bar are 'Refresh' and 'Help' buttons. The main area contains a table with the following columns: Device name, Device ID, Wireless, DHCP, IP, Gateway, Sub mask, MAC, SW Version, Video number, and Audio number. The table lists several devices, including ZP-NE14-S, MS171H, ZP-NE14-S, MS171H, ZP-NE14-S, ZP-NE14-S, ZP-NE14-S, ZP-IBH15-S1, ZP-IBH15-S1, ZP-IBH23-S1, ZP-IBH15-S1, ZP-IBH15-S1, ZP-IBH15-S1, ZP-IBH15-S1, ZP-IBH15-S1, CP-IBT15-S, and ZM-SH721. Each row contains specific details for these devices, such as their IP addresses, MAC addresses, and software versions.

Device name	Device ID	Wireless	DHCP	IP	Gateway	Sub mask	MAC	SW Version	Video number	Audio number
ZP-NE14-S	142B332X5247...	--	--	172.16.6.199	172.16.4.1	255.255.252.0	04:5c:06:92:1e:ae	V40.0.2.14	4	0
MS171H	14RY45VY5016...	Y	Y	172.16.5.129	172.16.4.1	255.255.252.0	04:5c:06:94:7b:74	V5.2.0.92	1	1
ZP-NE14-S	14RV33FH5264...	--	--	172.16.5.252	172.16.4.1	255.255.252.0	04:5c:06:92:9d:11	V40.0.2.7	4	0
MS171H	14HF49KH5014...	Y	Y	172.16.4.135	172.16.4.1	255.255.252.0	04:5c:06:94:7a:9d	V5.2.0.91	1	1
ZP-NE14-S	14BV33VM5245...	--	--	172.16.6.201	172.16.4.1	255.255.252.0	04:5c:06:92:1d:2e	V40.0.2.14	4	0
ZP-NE14-S	1333000356	--	--	172.16.5.10	172.16.4.1	255.255.252.0	04:5c:06:05:2c:4f	V40.0.2.3	4	0
ZP-NE14-S	1333000249	--	--	172.16.4.116	172.16.4.1	255.255.252.0	04:5c:06:05:2b:e4	V40.0.2.14	4	0
ZP-IBH15-S1	000000000000...	N	Y	172.16.5.172	172.16.4.1	255.255.252.0	04:5c:06:07:fe:6c	V5.1.0.11	1	0
ZP-IBH15-S1	000000000000...	N	Y	172.16.5.182	172.16.4.1	255.255.252.0	04:5c:06:07:fe:6e	V5.1.0.11	1	0
ZP-IBH23-S1	000000000000...	N	Y	172.16.6.57	172.16.4.1	255.255.252.0	04:5c:06:09:37:ba	V6.0.0.5	1	0
ZP-IBH15-S1	000000000000...	N	N	172.16.5.11	172.16.4.1	255.255.252.0	04:5c:06:91:28:d1	V5.1.0.10	1	0
ZP-IBH15-S1	000000000000...	N	N	172.16.5.12	172.16.4.1	255.255.252.0	04:5c:06:91:28:d6	V5.1.0.10	1	0
ZP-IBH15-S1	000000000000...	N	N	172.16.5.13	172.16.4.1	255.255.252.0	04:5c:06:91:28:e0	V5.1.0.10	1	0
ZP-IBH15-S1	000000000000...	N	N	172.16.5.14	172.16.4.1	255.255.252.0	04:5c:06:91:28:e8	V5.1.0.10	1	0
CP-IBT15-S	000000000000	N	Y	172.16.5.255	172.16.4.1	255.255.252.0	04:5c:06:05:ef:47	V5.0.0.13	1	0
ZM-SH721		Y	N	172.16.4.160	172.16.4.1	255.255.252.0	04:5c:06:93:ea:b7	V5.2.0.23	1	1

Next, move the mouse to the device you want to set up and right click. You will see two options, left click on "Networking".

# NVR and IP Cameras

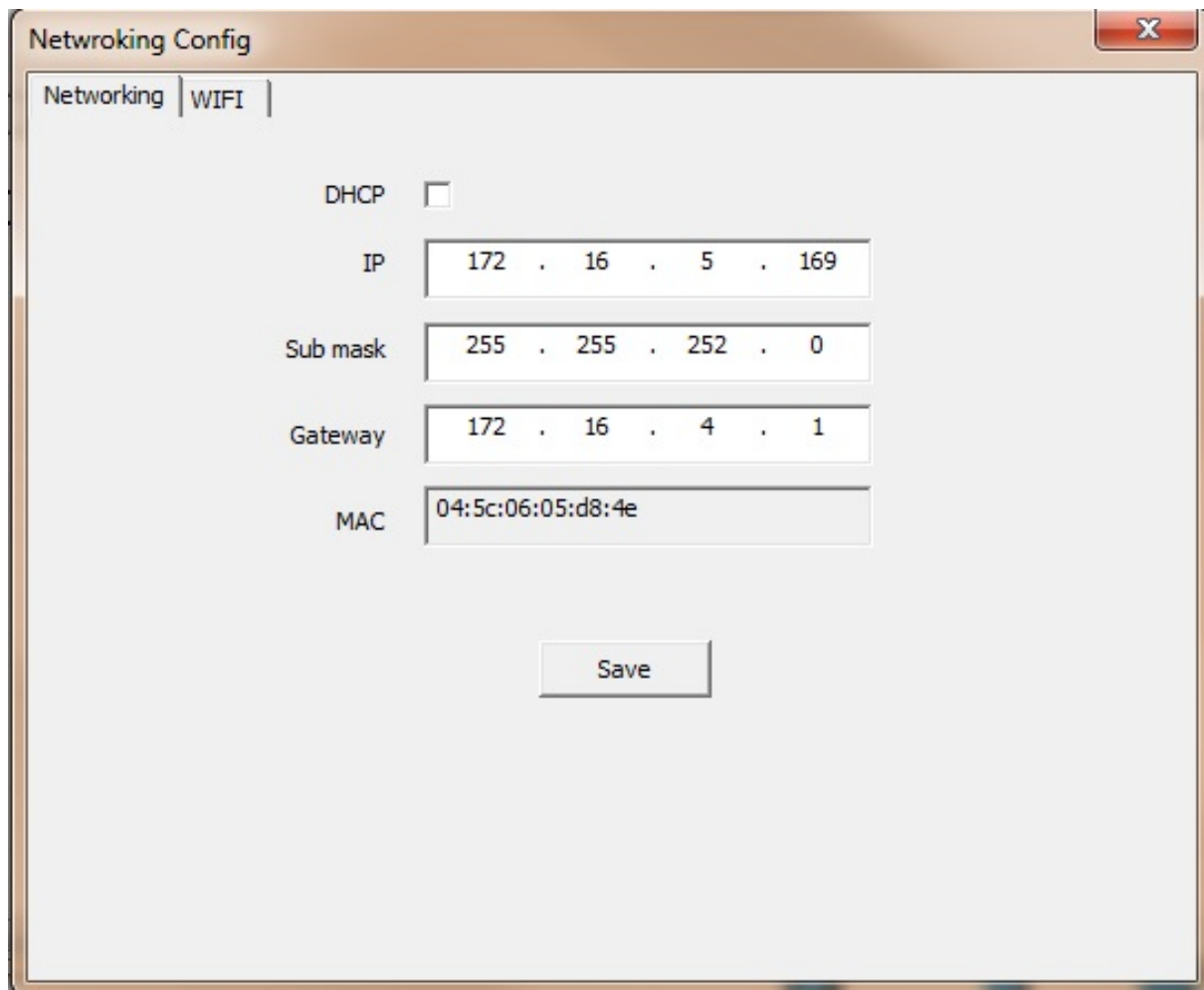
IPSearch

Device name	Device ID	Wireless	DHCP	IP	Gateway	Sub mask	MAC
ZP-NE14-S	14ZB33ZX5247...	--	--	172.16.5.95	172.16.4.1	255.255.252.0	04:5c:06
ZP-NE14-S	14RV33FH5264...	--	--	172.16.5.252	172.16.4.1	255.255.252.0	04:5c:06
ZP-NE14-S	14BV33VM5245...	--	--	172.16.6.233	172.16.4.1	255.255.252.0	04:5c:06
ZP-NE14-S	1333000356	--	--	172.16.5.10	172.16.4.1	255.255.252.0	04:5c:06
ZP-NE14-S	1333000249	--	--	172.16.4.116	172.16.4.1	255.255.252.0	04:5c:06
ZH-IXD15-WAC	1312nnnnnn	N	N	172.16.5.169	172.16.4.1	255.255.252.0	04:5c:06
ZP-IBH15-S1			Y	172.16.5.172	172.16.4.1	255.255.252.0	04:5c:06
ZP-IBH15-S1			Y	172.16.5.182	172.16.4.1	255.255.252.0	04:5c:06
ZP-IBH23-S1			Y	172.16.6.57	172.16.4.1	255.255.252.0	04:5c:06
ZP-IBH15-S1	000000000000...	N	N	172.16.5.11	172.16.4.1	255.255.252.0	04:5c:06
ZP-IBH15-S1	000000000000...	N	N	172.16.5.12	172.16.4.1	255.255.252.0	04:5c:06
ZP-IBH15-S1	000000000000...	N	N	172.16.5.13	172.16.4.1	255.255.252.0	04:5c:06
ZP-IBH15-S1	000000000000...	N	N	172.16.5.14	172.16.4.1	255.255.252.0	04:5c:06
CP-IBT15-S	0000000000	N	Y	172.16.5.255	172.16.4.1	255.255.252.0	04:5c:06
ZMD-ISV-BFS23NM		--	--	172.16.5.63	172.16.4.1	255.255.252.0	04:5c:4f:

Open  
Networking

A new window will open as shown below (notice the two tabs, Networking and WiFi). First, click on the the "WiFi tab", uncheck the DHCP option at the top. Next, enter the IP address and gateway as needed to work with your router.

# NVR and IP Cameras



The screenshot shows a window titled "Netwroking Config" with a close button (X) in the top right corner. Inside the window, there are two tabs: "Networking" and "WIFI". The "Networking" tab is selected. Below the tabs, there are several fields for network configuration:

- DHCP: A checkbox that is currently unchecked.
- IP: A text box containing the IP address "172 . 16 . 5 . 169".
- Sub mask: A text box containing the subnet mask "255 . 255 . 252 . 0".
- Gateway: A text box containing the gateway address "172 . 16 . 4 . 1".
- MAC: A text box containing the MAC address "04:5c:06:05:d8:4e".

At the bottom center of the window, there is a "Save" button.

You will want to open the camera in an Internet Explorer browser. Example, if the IP address you gave the camera was 192.168.1.50, then you will type <http://192.168.1.50> in the browser's address bar and then hit enter. Once you get to the login screen, be sure to enable compatibility view in the browser settings (In IE, tools>compatibility view). You will need to login with your username and password.

**Default username: admin Password: 111111**

Click on the gear(settings) the go to the Network section and make sure you uncheck DHCP and save the settings. You then want to click on Wireless Settings. You may need to fill in the proper IP address information to match the settings you entered earlier. You will then double click on the wireless router that should have come up in the list below. You will enter your wireless password and choose connect. It should say succeed and then you will choose save. After both options succeed you can close out of that configuration box.

**\*\*\*\*WEP is not an acceptable security key option and the camera will not accept any WiFi network with this type of security encryption. You must use WPA/WPA2.**

# NVR and IP Cameras

Unique solution ID: #1094

Author: Jamie Alksnis

Last update: 2015-04-23 14:34