

Step 1

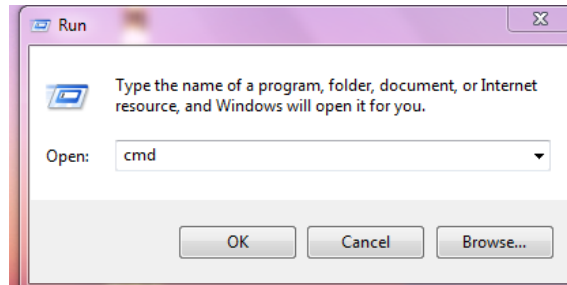
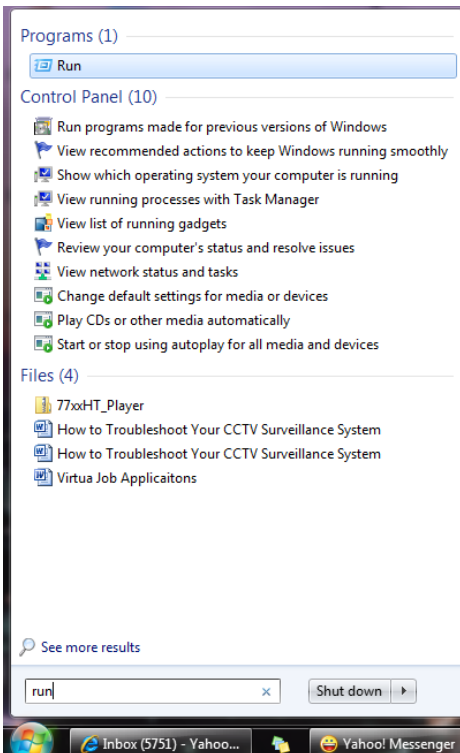
Connect your DVR into a Modem or Router using basic Ethernet / Cat-5 cable



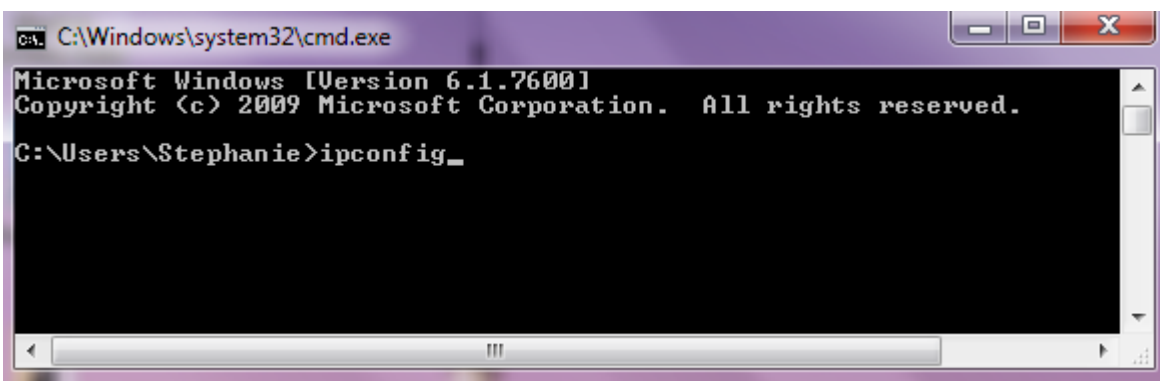
Step 2

Identify your Network IP Address

In order to identify your network IP addresses go to a computer that is connected to the same network as the DVR. On Windows, click the **start** button, select **Run** and type "CMD" as shown below, and click OK. See example below:



The command prompt below will appear. Type "ipconfig" and click Enter.



```
C:\Windows\system32\cmd.exe

Ethernet adapter Local Area Connection:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix . . . . . :

Wireless LAN adapter Wireless Network Connection:

    Connection-specific DNS Suffix . . . . . : hsd1.nj.comcast.net.
    Link-local IPv6 Address . . . . . : fe80::84ef:604e:fa:107b%11
    IPv4 Address. . . . . : 192.168.1.101
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : 192.168.1.1
```

Look for Default Gateway address which would be your Router address. **Please make a note of the Default Gateway as you will be needing it in order to access the router**

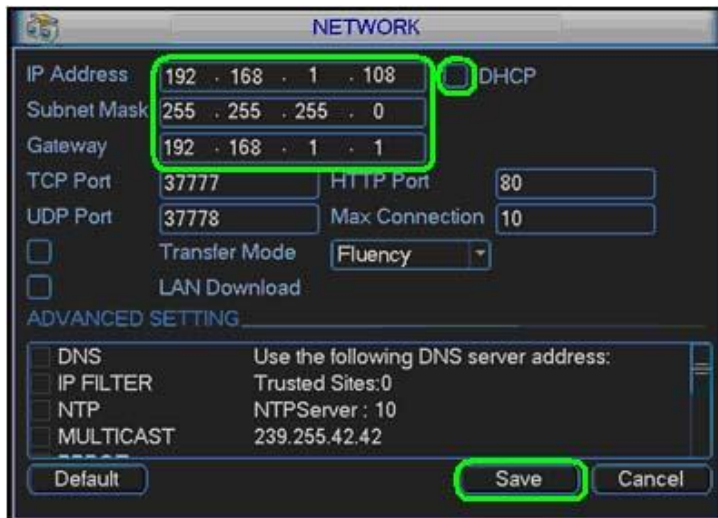
Hint: If your gateway is 192.168.1.1 you can access the DVR without changing the current IP information default IP would be 192.168.1.108 skip step 3

Step 3

Assign a unique IP Address to the DVR

Go to your DVR and right click and go to **MAIN MENU**, click on **SETTING**, and then **NETWORK**.

Set it to DHCP



Save then reboot the DVR (Once back on go back to the network settings and see it populate) again the "gateway" is your router address

Step 4 Open Ports on Router for Remote View

Log into your network Router by typing the Default Gateway IP into the Address Bar on your Internet browser (For Example: 192.168.1.1). You will be prompted to enter your Router's user name and password. **Please refer to your Router's manual to obtain this information.**

Once you get onto your router's main page the next step is to configure your network for remote access. In order to do this, you will need to configure your router's port forwarding settings.

The port forwarding process varies dependent upon router model. You can visit www.portforward.com for a list of guides by router model. You can also contact your router provider with additional questions regarding the port forwarding process. In this example we are using a AT&T or 2Wire Router.

Step 1: Click on Firewall

Step 2: Click on Firewall setting it will as for a password (please check with your internet provider if unknown)

By default, the firewall blocks all unwanted access from the Internet. You can allow access from the Internet to applications running on computers inside your secure home network by enabling firewall pinholes. Opening firewall pinholes is also known as opening firewall ports or firewall port forwarding. To do this, associate the desired application with the computer below. If you cannot find a listing for your application, you can create a user-defined application profile. (To create a user-defined profile, you will need to know protocol and port information.)

- [View firewall details](#)
- [Reset all firewall settings](#)

To Allow Users Through the Firewall to Hosted Applications...

- Select a computer**
 Choose the computer that will host applications through the firewall:
- Edit firewall settings for this computer:**
 - Maximum protection – Disallow unsolicited inbound traffic.
 - Allow individual application(s) – Choose the application(s) that will be allowed through the firewall to this computer.
 Click ADD to add it to the Hosted Applications list.

All applications	Hosted Application
<ul style="list-style-type: none"> dvr1 Age of Empires Age of Kings Age of Wonders Aliens vs Predator Anarchy Online Asheron's Call Baldur's Gate BattleCom Battlefield Communicator 	<ul style="list-style-type: none"> DVR DVR2

[Add a new user-defined application](#)

Look for the DVR on the "Select Computer list"
 Then click "add a new user-defined application"

Edit Application

Settings

Profile Name

Enter a name for the application profile that you are creating.

Application Name:

Definition

Choose a protocol and enter the port(s) for this application, then click ADD DEFINITION to add the definition to the Definition List. If the application requires multiple ports or both TCP and UDP ports, you will need to add multiple definitions.

Note: In some rare instances, certain application types require specialized firewall changes in addition to simple port forwarding. If the application you are adding appears in the application type menu below, it is recommended that you select it.

Protocol: TCP UDP

Port (or Range): From: To:

Protocol Timeout (seconds): TCP default 86400
UDP default 600

Map to Host Port: Default = the same port as defined above.

Application Type:

[ADD DEFINITION](#)

[BACK](#)

Application name: DVR

Port range: 80 to 80 / Protocol: 86400 / Map to Host Port: 80 click add definition

Port range: 37777 to 37777 / Protocol: 86400 / Map to Host Port: 37777 click add definition

Then click BACK

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[View firewall details](#)
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To Allow Users Through the Firewall to Hosted Applications...

1 **Select a computer**
 Choose the computer that will host applications through the firewall:

2 **Edit firewall settings for this computer:**

Maximum protection – Disallow unsolicited inbound traffic.

Allow individual application(s) – Choose the application(s) that you want to allow through the firewall to this computer.
 Click ADD to add it to the Hosted Applications list.

All applications	Hosted Application
<ul style="list-style-type: none"> dvrl Age of Empires Age of Kings Age of Wonders Aliens vs Predator Anarchy Online Asheron's Call Baldur's Gate BattleCom Battlefield Communicator 	<ul style="list-style-type: none"> DVR DVR2

[Add a new user-defined application](#)

In the "Allow individual applications" you will see the "DVR" on the list then click add (please make sure that the "select a computer" is still DVR).

You can check that the port is open by going to www.canyouseeme.org . Enter the port (80 & 3777) in the box and click check

CanYouSeeMe.org - Open Port Check Tool

This page will serve as a free utility for remotely verifying a port is open or closed. It will be useful for or ISP is blocking certain ports.

Your IP: **68.183.161.146**

What Port?

Common Ports

FTP	21
SSH	22
Telnet	23
SMTP	25
Web	80
Pop 3	110
IMAP	143
Other Applications	
Remote Desktop	3389
PC Anywhere	5631

Success: I could **not** see your service on **68.183.161.146** on port **(80)**

Dynamic IP Redirator

After Port Forwarding is completed, go to no-ip.com to create a free domain name to access the dvr.

www.no-ip.com

On the Home page click on NO-IP Free

FROM \$15 Register Your Domain [input] .com [Search]

No-IP Free
Create a FREE hostname to point to your dynamic IP
See what over 10+ million users are talking about. Try us for FREE!
Learn More >

POP3 / IMAP Mail
Outsource your mail service administration
Packages including 100MB to 2GB of storage, webmail access, advanced spam and virus filtering!
As low as \$19.95 per year.
Learn More >

Feature Highlight
Configure your router to work with No-IP.com
Our DDNS is included in many hardware routers. We'll help you get started.
Learn More >

Stay Connected
Upgrade your No-IP account to unlock many exciting features.
No-IP Backup DNS: Maximize uptime and add Anycast to your existing DNS infrastructure.
No-IP Monitoring: 24/7 server monitoring including automatic failover.
Mail Reflector: Run a mail server even if your ISP blocks port 25.

Creating an account is easy, simply fill out the form and be sure to include a valid email address for the confirmation email to be sent to. You must use a legitimate email address as it will request you to confirm it.

Create Your No-IP Account

If you already have an account then you can [sign in here](#).

About You:
First Name: [input]
Last Name: [input]
How did you hear about us?: [Select One]
Zip/Postal Code: [input]
Intended Use?: [Select from below]

Account Information:
Email: [input]
Password: [input]
Confirm Password: [input]

Account Access:
Security Question: [Select a Question]
Your Answer: [input]
Birthday: [Select a Month] [DD] [YYYY]

Account Verification:
30-196 atcower
Can't read this?
Get two new words
Hear a set of words
Powered by reCAPTCHA
Help
Type the two words above: [input]

Terms of Service:
Please review our Terms of Service (TOS) below. By creating an account you are agreeing to our TOS and Privacy Policy. The TOS states you may only have one (1) free account, and that creation of multiple free accounts will result in the termination of all of your accounts.
 I agree that I will only create one free No-IP account.
Terms of Service
1. ACCEPTANCE OF TERMS
No-IP.com is an Internet-based Web site that offers DNS Hosting, dynamic DNS, URL Redirection, email hosting, domain name registration, server monitoring, and software utilities (each a "Service" and collectively "Services"). Vitalwerks Internet Solutions, LLC, doing business as No-IP.com.
By clicking on "Accept" below you are agreeing to the [Terms of Service](#) above and the [Privacy Policy](#).

Once confirmed and logged in please click on Add a Host

The dashboard includes a sidebar with navigation links like '24/7 Server Monitoring and Failover', 'Need Help?', and 'Get Connected'. The main content area features a 'Usernames Now Available' section, a 'welcome to your No-IP!' message with a 'Last Login' timestamp, and a row of icons for 'Manage Domains', 'Add Domain', 'Refer Friend', 'Add a Host', and 'Manage Hosts'. Below this is a domain search bar with a 'FROM \$15' price tag and a 'Search' button. At the bottom, there are links for 'Own a domain name?' and 'Your No-IP Alerts'.

Create a Hostname (Keep the name simple this will be your permanent address)

Note: Make sure you select DNS Host(A)

The 'Add a host' page is divided into several sections. The 'Hostname Information' section contains fields for:

- Hostname: cctvsecuritypros
- Host Type: DNS Host (A), DNS Host (Round Robin), Port 80 Redirect, Web Redirect
- IP Address: 98.119.126.112
- Assign to Group: - No Group -
- Enable Wildcard: Wildcards are a Plus / Enhanced feature.

 A dropdown menu for domain selection is open, showing options like 'no-ip.info', 'myftp.biz', 'myftp.org', etc., with 'no-ip.info' selected.

 The 'Mail Options' section includes:

- Accept Mail for your Domain: Let No-IP do the dirty work. Setup POP or forwarding for your name.
- MX Record: Enter the name of your external mail exchangers (mx records) as hostnames not IP addresses.
- MX Priority: 5

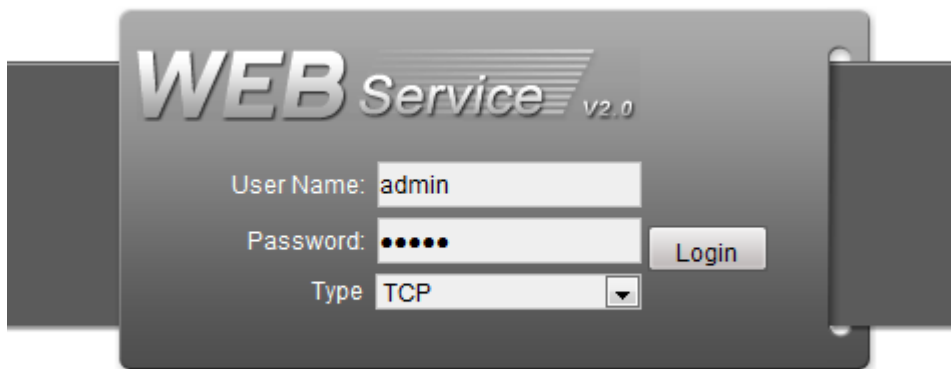
 At the bottom right, there are 'Revert' and 'Create Host' buttons. The footer contains navigation links for Home, API, Contact Us, Sitemap, Terms of Service, Privacy Policy, and Blog.

Then Click Create Host (please make a note of your email address/User name, password & hostname)

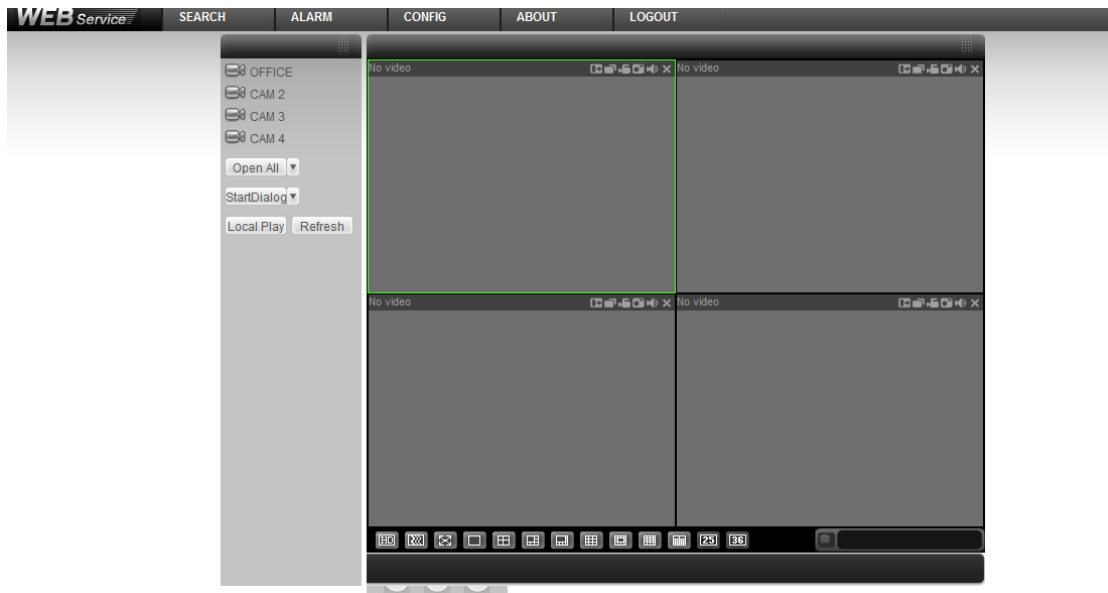
DDNS DVR Configuration

If this is the first time you have logged into your DVR Please click [HERE](#) first

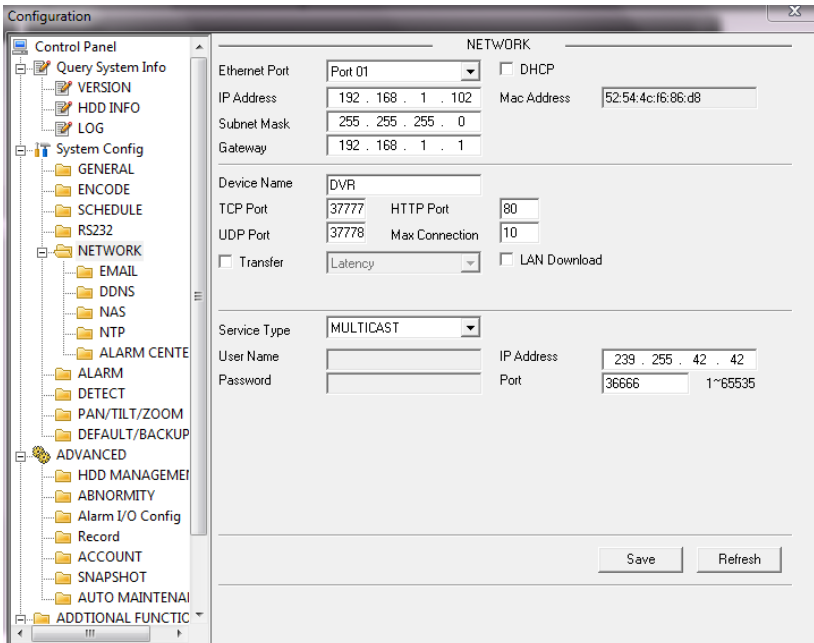
Once you hit enter it should load you to this WEB SERVICE page and the default user name and password are the same as your DVR default passwords. Click Login.



Once logged in you will have access to your cameras locally, click on CONFIG.



Then Click on network and click on the file tab for DDNS.



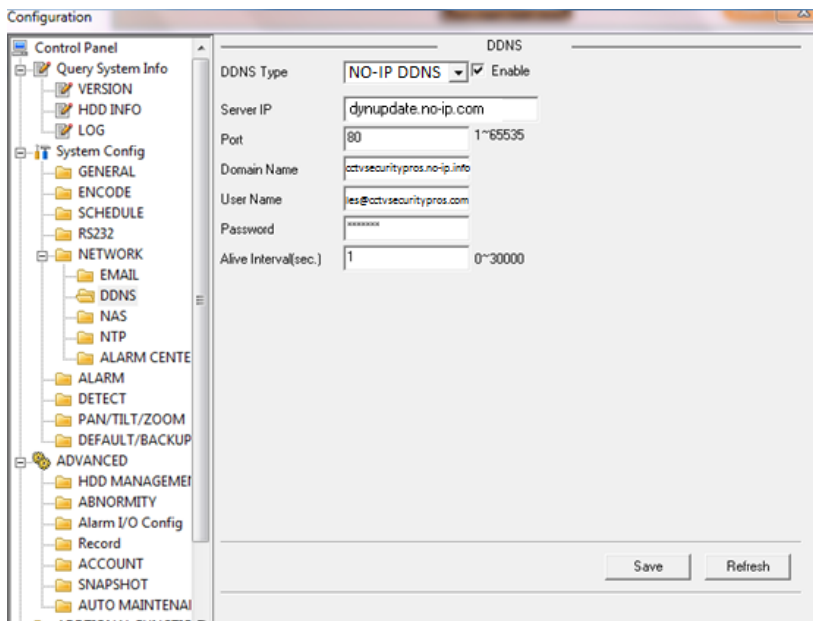
Select DDNS type “NO-IP DDNS” & Check enable

Server IP: “dynupdate.no-ip.com”

Domain name: the host name that you created in NO-IP.com (ex: cctvsecuritypros.no-ip.info)

User name: the email or user name that you created in NO-IP.com (ex: sales@cctvsecuritypros.com)

Password: the password that you created in NO-IP.com



That completes this section of the network configuration, the host name that you created ex. cctvsecuritypros.dyndns.org is best to test outside your network.

If you ever have trouble with any step of this remote viewing setup guide please don't hesitate to contact technical support at 1-888-653-2288.