

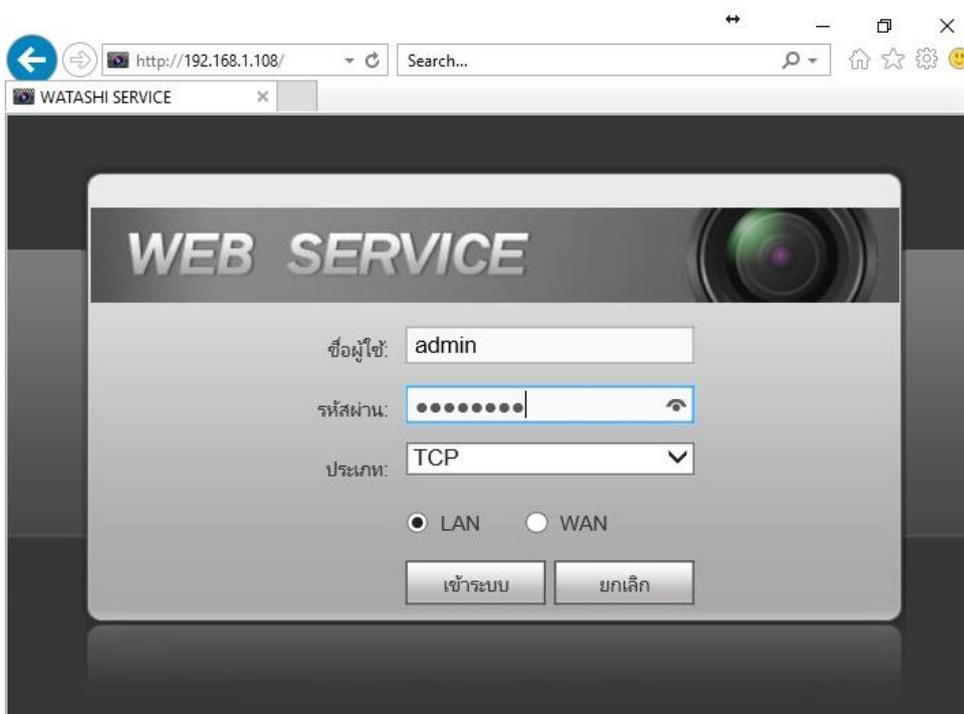
Set up HUAWEI HG8122 to use True DDNS with CCTV

1. Check IP Address and Port of CCTV for setting Port forwarding at Router

Check the settings at DVR that used to record video from all cameras in house (example: Watashi CCTV)

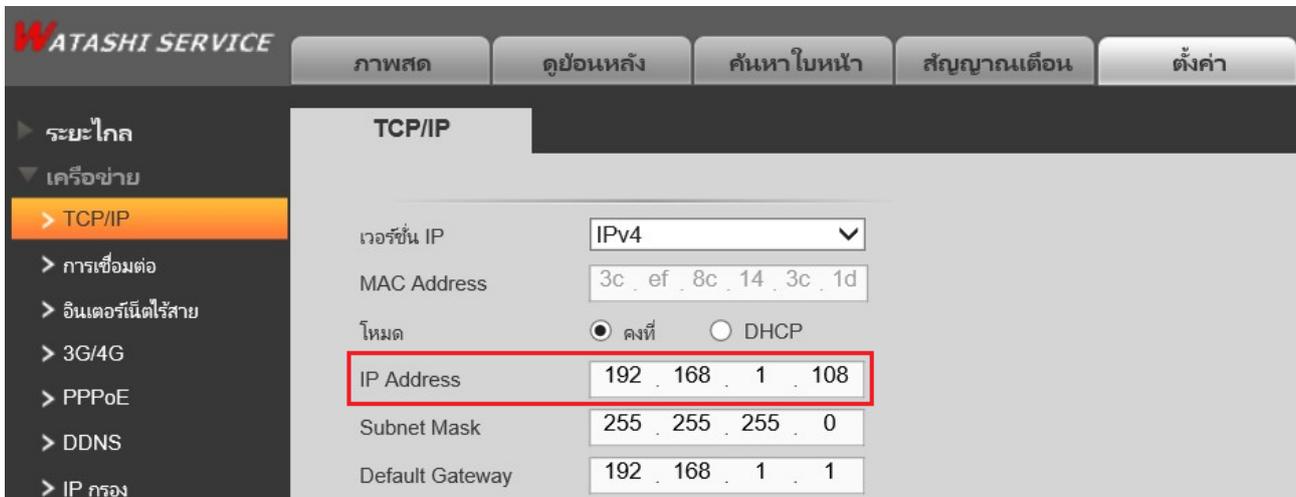
- Type IP Address of DVR at the Browser ex: 192.168.1.108 then press Enter
- you'll find a Login page to enter DVR's username and password and press login

If do not know IP Address, username and password of DVR, ask the technician who installed DVR



2. To check IP Address , select Setting > Network > TCP/IP: DVR

IP Address is 192.168.1.108



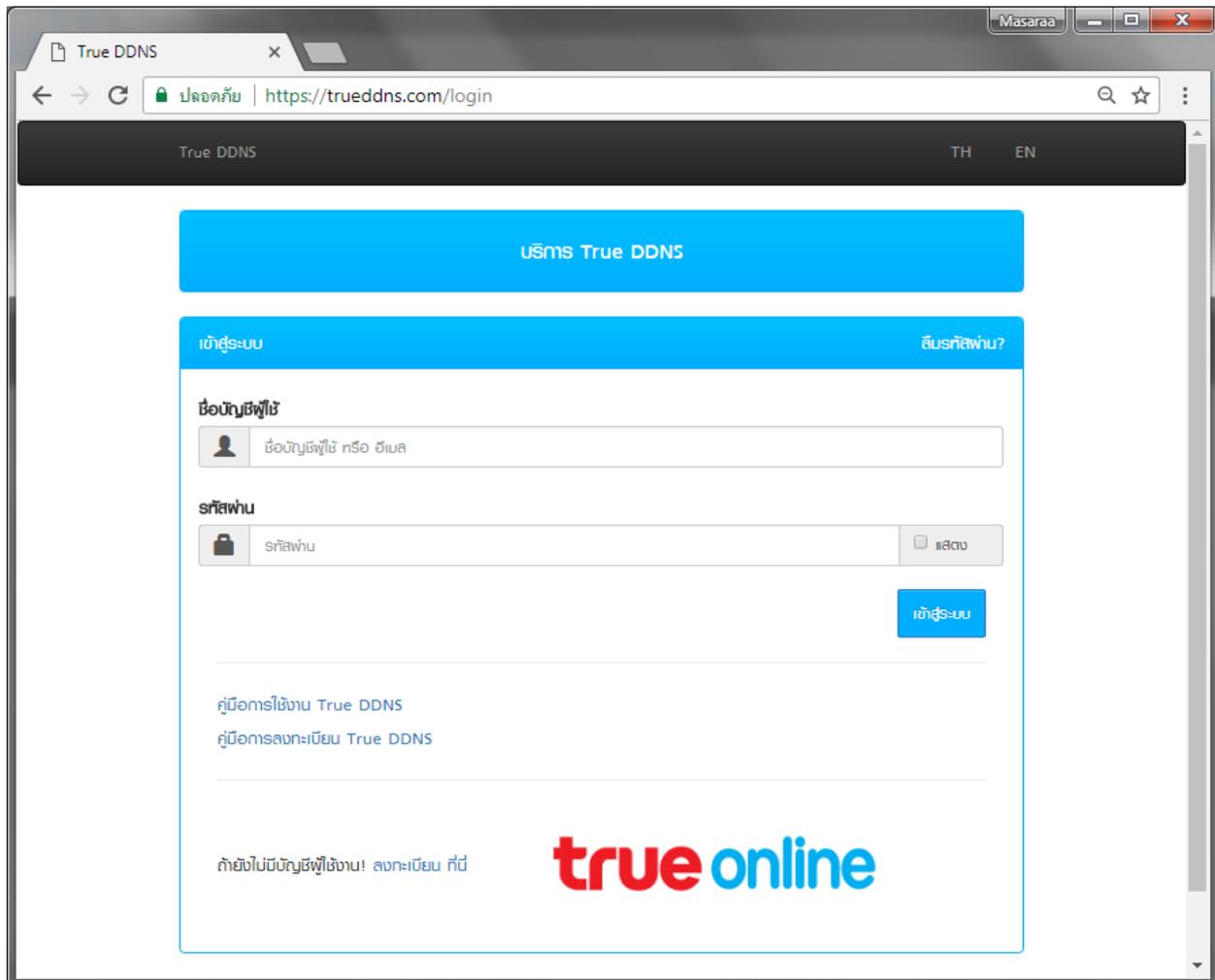
3. To check Port, go to Setting > Network > Connection : most used Port is

- TCP Port : **37777** (Port for watching camera via Application on Smart Phone)
- HTTP Port : **81** (Port for watching camera through Web Browser)

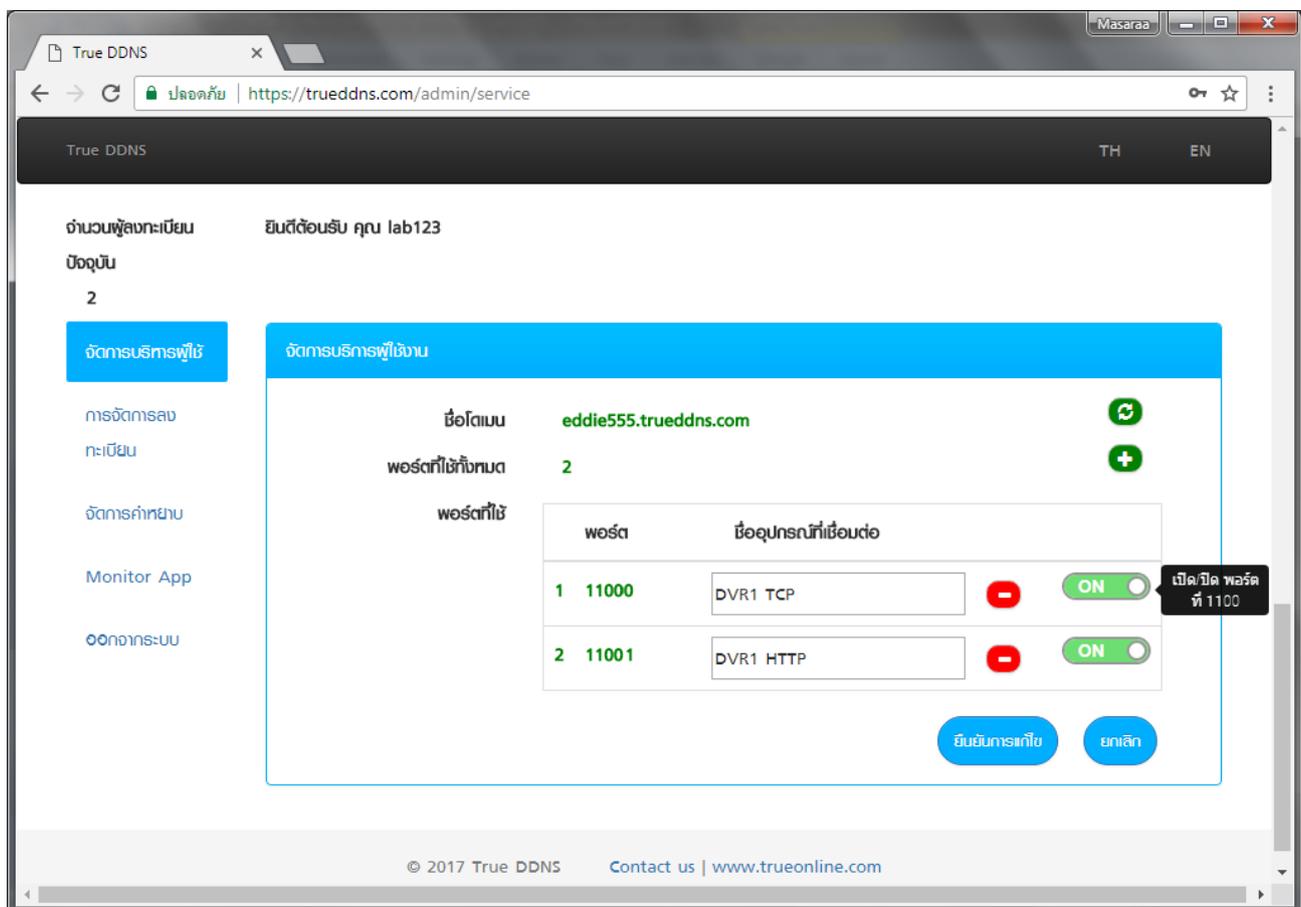


Go to True DDNS web to set up

- Type <https://trueddns.com/login> at Web Browser then press Enter > Login by registered username and password and press login



- Select Service Management
 - Pairing Port to align with DVR
 - Port 11000 : enter TCP to align with TCP Port of DVR , click behind button to turn it ON
 - Port 11001 : enter HTTP to align with HTTP Port of DVR , click behind button to turn it ON
- Press Confirm



Port Forwarding at Router

Login steps

Type 192.168.1.1 at Browser and press Enter, to log in can be :

Login first time

1. Enter information

- Account : admin
- Password : password
- Validate Code : enter letters shown below, if they're not clear, press Refresh to change them
- Press Login



HUAWEI HG8122

Account:

Password:

Validate Code:

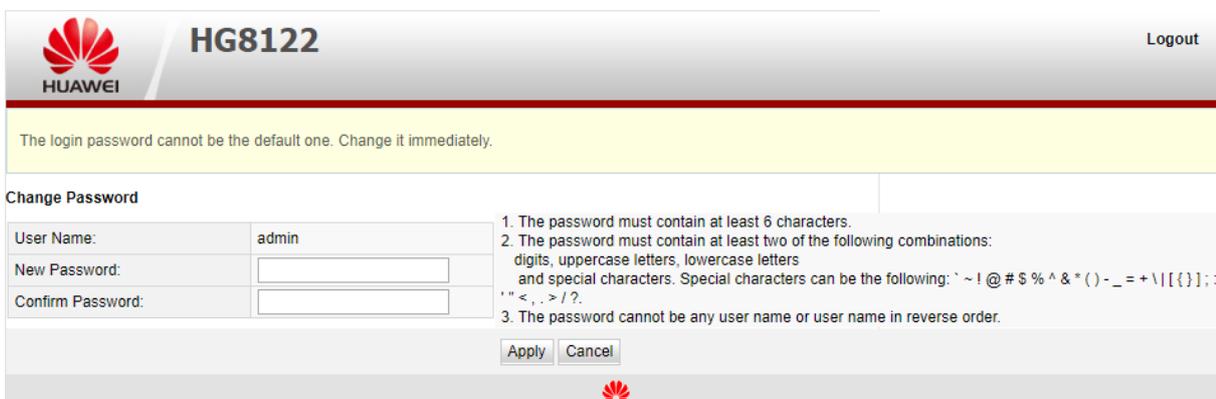
VJKUH Refresh

Login

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2. Page to change Password, with following conditions:

- Password : should contain at least 6 letters
- Comply with at least 2 from 4 combinations: number, lowercase letter, uppercase letter and special characters e.g. ` ~ ! @ # \$ % ^ & * () - _ = + \ | [{ }] ; : ' " < , . > / ?.
- Should not repeat with any word in Username
- Press Apply



HUAWEI **HG8122** Logout

The login password cannot be the default one. Change it immediately.

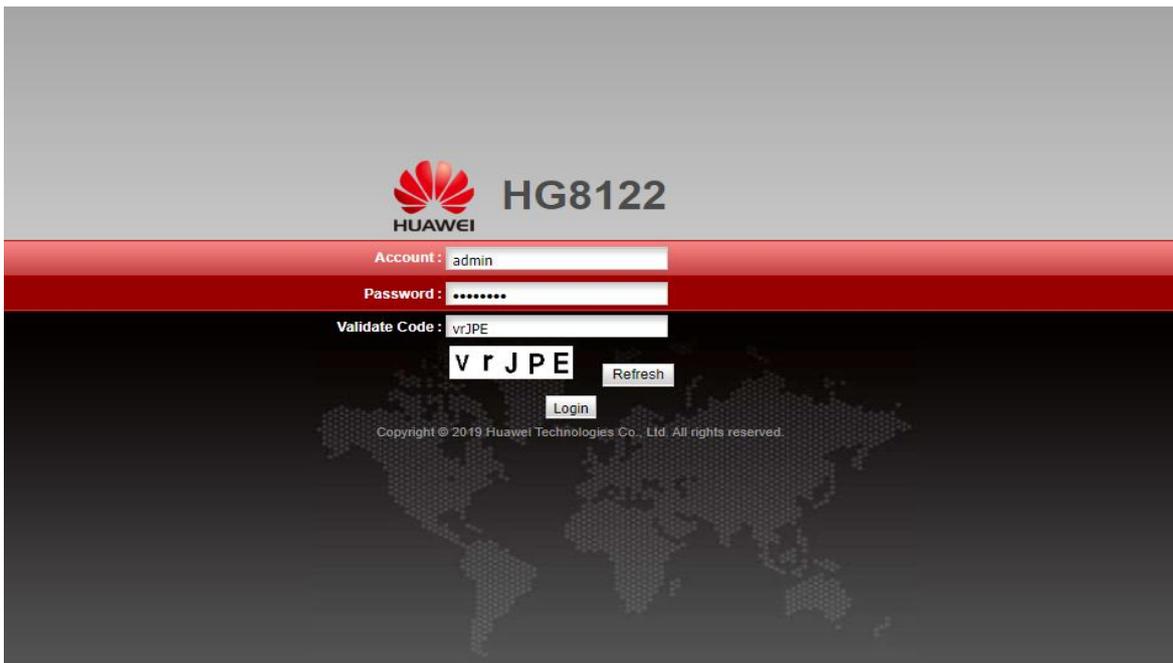
Change Password

User Name:	admin	<p>1. The password must contain at least 6 characters.</p> <p>2. The password must contain at least two of the following combinations: digits, uppercase letters, lowercase letters and special characters. Special characters can be the following: ` ~ ! @ # \$ % ^ & * () - _ = + \ [{ }] ; : ' " < , . > / ?. * * < , . > / ?.</p> <p>3. The password cannot be any user name or user name in reverse order.</p>
New Password:	<input type="password"/>	
Confirm Password:	<input type="password"/>	

Apply Cancel

3. Go back to Login page, enter the information

- Account : admin
- Password : enter the Password
- Validate Code : enter letters shown below, if they're not clear, press Refresh to change them
- Press Login

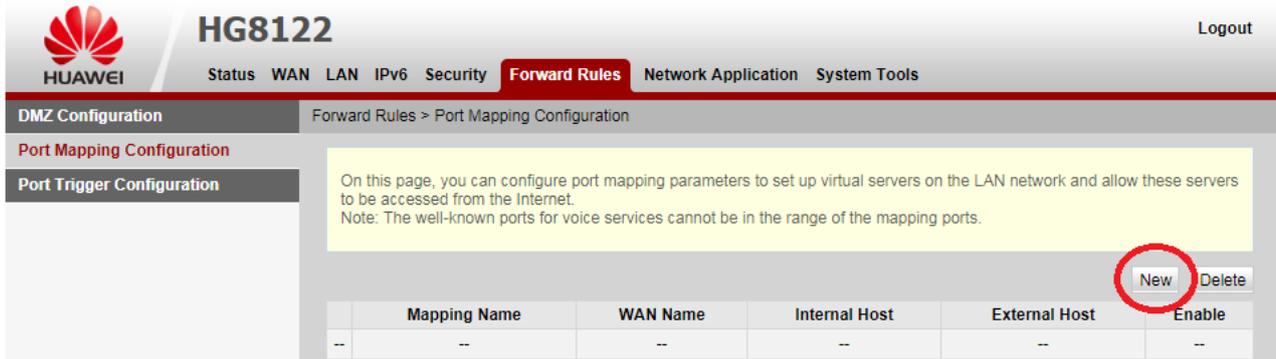


If passed first time Login, enter information

- Account : admin
- Password : enter the Password
- Validate Code : enter letters shown below, if they're not clear, press Refresh to change them
- Press Login

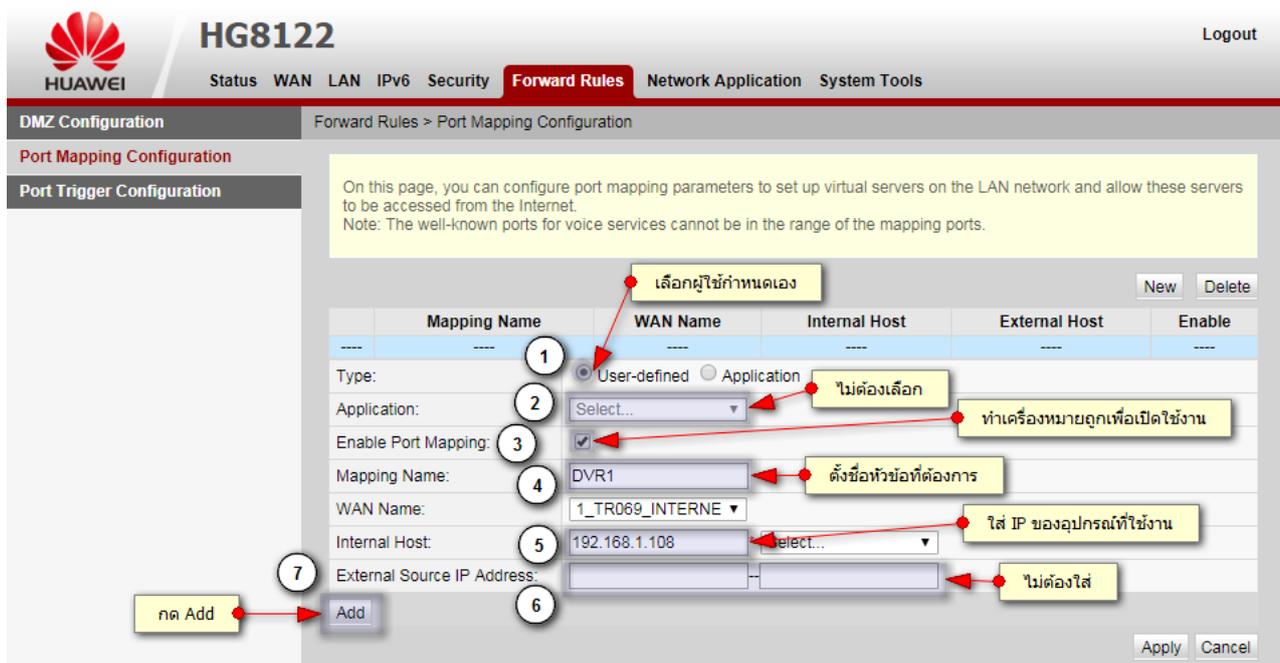


1. Forward Rules > Port Mapping Configuration > press New



2. Forward Rules > Port Mapping > set up as follows:

- Type : select User-defined
- Application : do not choose
- Enable Port Mapping : tick a check mark to enable
- Mapping Name : enter name
- Internet Host : enter IP Address of device to forward port
- External Source IP Address : leave it blank
- Press Add



3. After pressing Add, set up 2 ports as follows:

TCP Port : 37777 to watch camera via App on Smart Phone

- Protocol : select TCP/UDP
- Internal Port : select Port 37777
- External Port : select Port 11000
- External source port number : enter 0

HTTP Port : 81 to watch camera via Web Browser

- Protocol : select TCP/UDP
- Internal Port : select Port 81
- External Port : select Port 11001
- External source port number : enter 0
- Once finished, press Apply

Remarks : number of Port Forwarding will depend on using device that may be 1 port or more

The screenshot shows the Huawei HG8122 web interface. The top navigation bar includes 'Status', 'WAN', 'LAN', 'IPv6', 'Security', 'Forward Rules' (selected), 'Network Application', and 'System Tools'. The sidebar on the left has 'DMZ Configuration', 'Port Mapping Configuration' (selected), and 'Port Trigger Configuration'. The main content area is titled 'Forward Rules > Port Mapping Configuration' and contains a yellow note: 'On this page, you can configure port mapping parameters to set up virtual servers on the LAN network and allow these servers to be accessed from the Internet. Note: The well-known ports for voice services cannot be in the range of the mapping ports.' Below the note is a table with columns: Mapping Name, WAN Name, Internal Host, External Host, and Enable. There are 'New' and 'Delete' buttons above the table. The table contains two entries:

Mapping Name	WAN Name	Internal Host	External Host	Enable
DVR1	1_TR069_INTERNE	192.168.1.108	11000	
		81	11001	

Below the table, there are configuration fields for each entry, including 'Type' (User-defined or Application), 'Application', 'Enable Port Mapping', 'Mapping Name', 'WAN Name', 'Internal Host', 'External Source IP Address', 'Protocol', 'Internal port number', 'External port number', and 'External source port number'. The 'Add' button is at the bottom left, and 'Apply' and 'Cancel' buttons are at the bottom right.

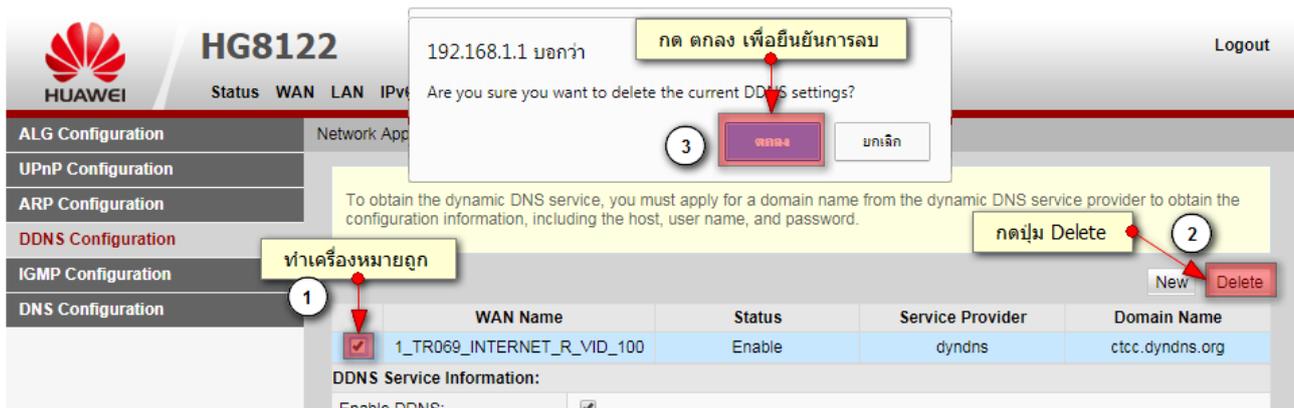
4. After pressing Apply, IP address that's forwarded will be shown in top table, to add IP address to forward, press New again

Close DDNS settings at Router

- Network Application > DDNS Configuration

Set up as follows:

- Click a check mark in front of preferred Profile
- Press Delete
- A pop up to confirm deletion, press OK



Close DDNS setting at DVR

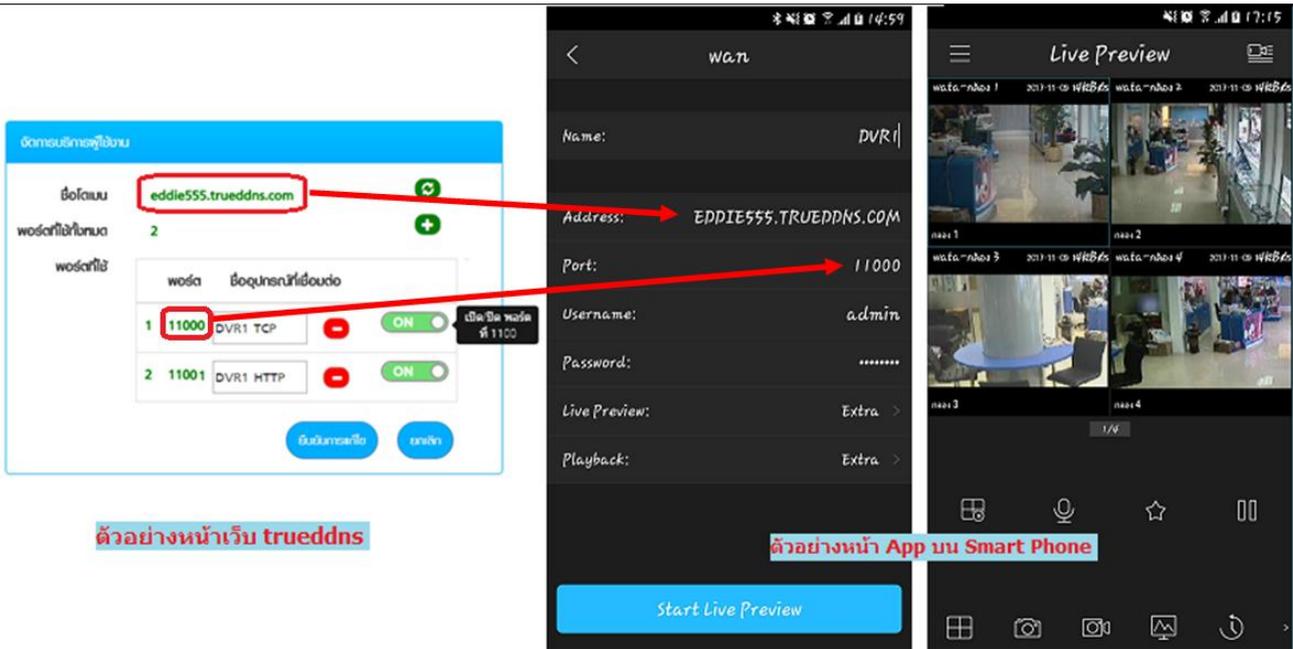
- Go to Setting > DDNS
- Remove a check mark
- Press Save



Overall settings

Test using through **Mobile Internet** or **Internet** at different place from **home**

- Test using Camera App on Smart Phone by Domain created and port from True DDNS, if the setting is correct, you can see picture from camera



ตัวอย่างหน้าเว็บ trueddns

ตัวอย่างหน้า App บน Smart Phone

- Test using through Web : enter Domain name follow by Port numbers from True DDNS e.g. `eddie555.trueddns.com:11001` , if the setting is correct, you can access camera's Web page

