

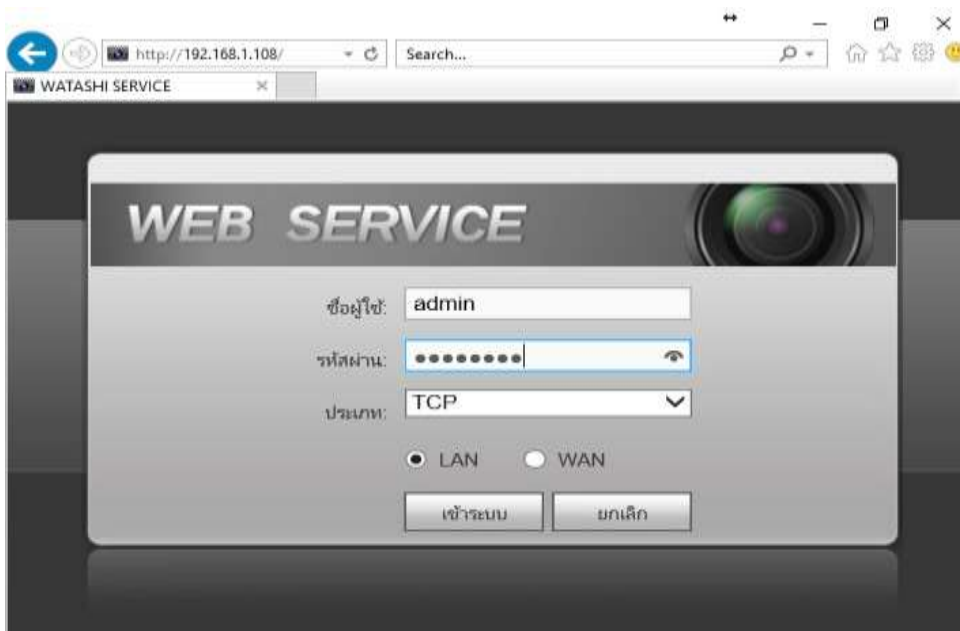
Set up ZTE F612C to use TrueDDNS with CCTV

1. Check IP Address and Port of CCTV to set Port forwarding at Router

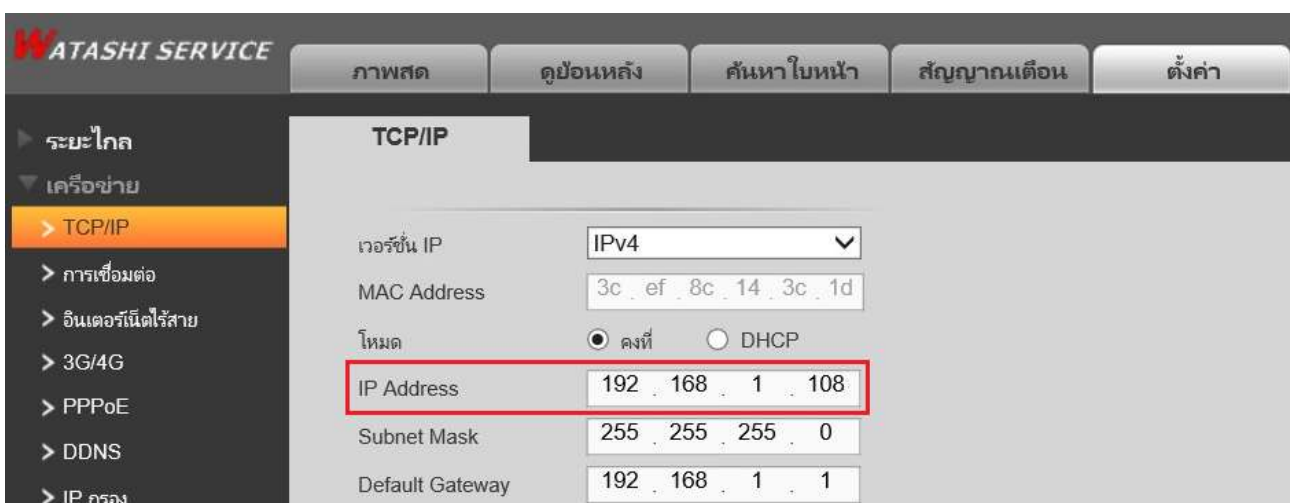
1.1. Check the setting at DVR that's used to record data from all cameras in house (ex. Watashi CCTV)

- Type IP Address of DVR at Browser, Ex. 192.168.1.108 then press Enter
- Enter Username and password of DVR then press Log in

in case don't know IP Address, Username and password of DVR, ask the technician who installs DVR



1.2. Check IP Address, go **Setting > Network > TCP/IP**: IP Address of DVR: **192.168.1.108**



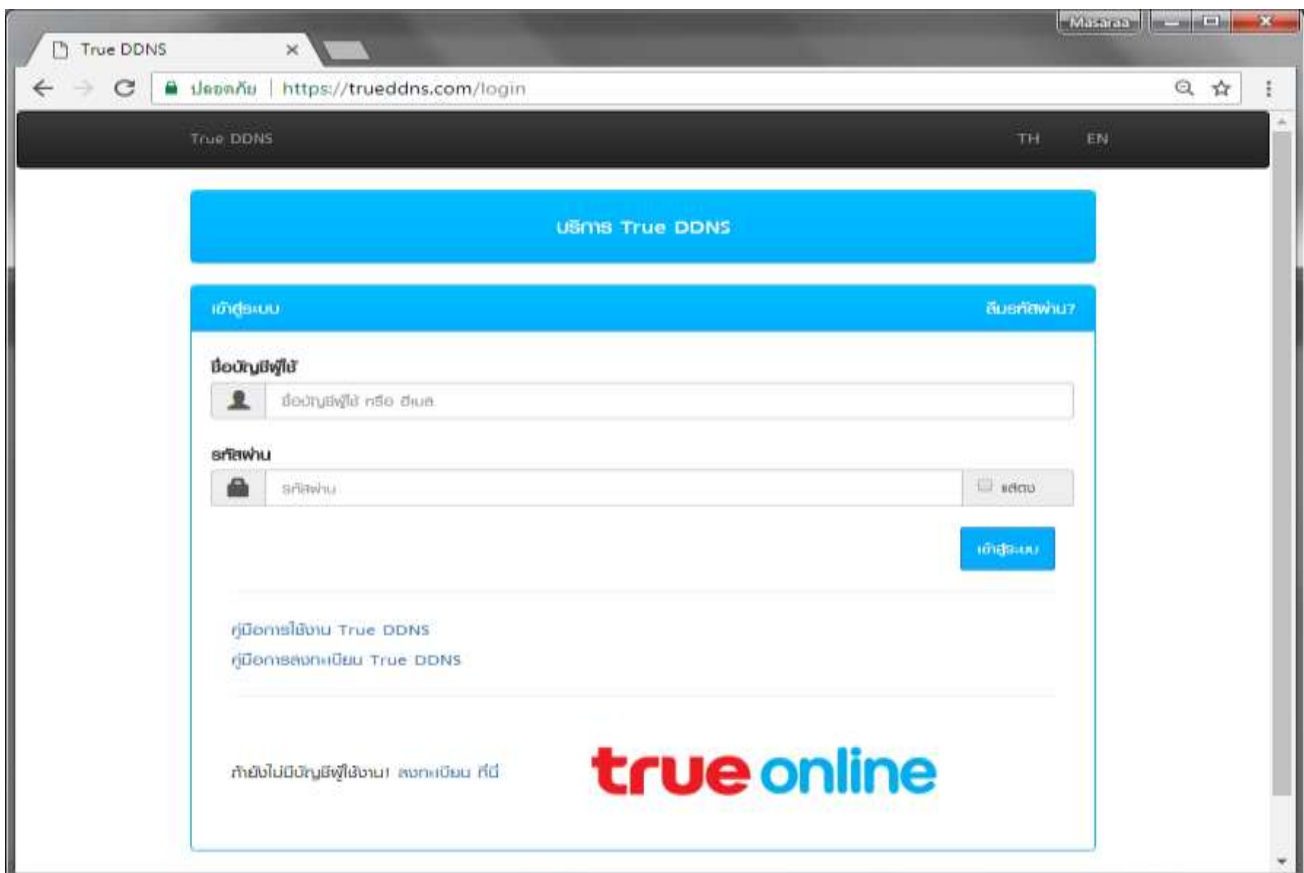
1.3. Check Port, go to Setting > Network > Connection, mostly used Ports :

- TCP Port : **37777** (Port to view camera via Application on Smart Phone)
- HTTP Port : **81** (Port to view camera via Web Browser)



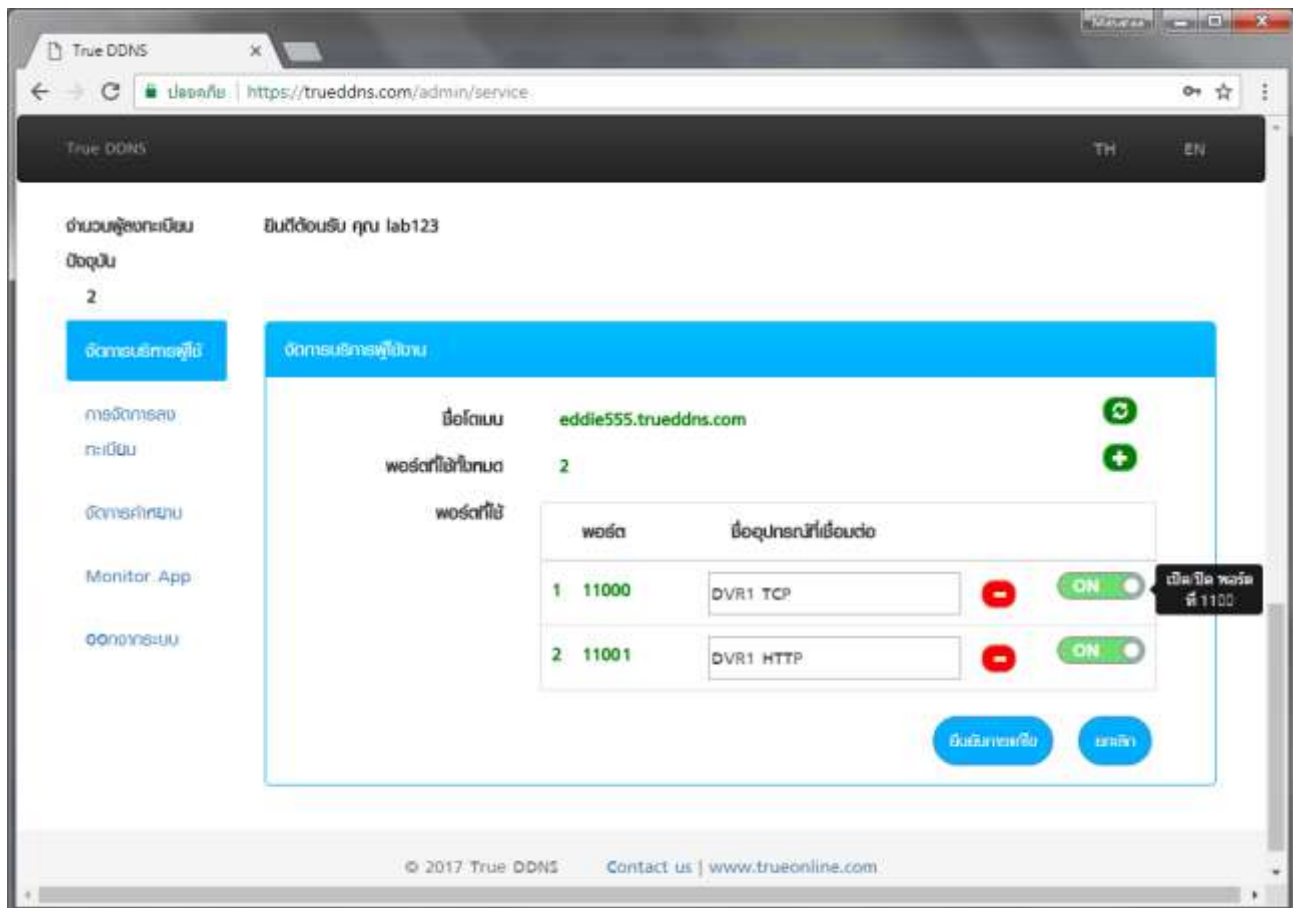
2. Set up TrueDDNS

2.1. Type <https://trueddns.com/login> at Browser and then press Enter > Login by using registered Username and password then press Log in



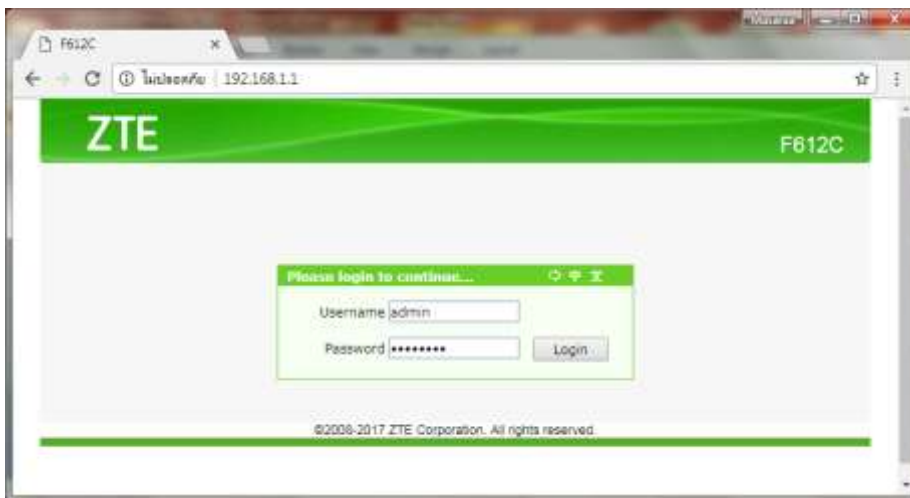
2.2. Select Service Management

- Pairing Port to align with DVR
- Port 11000 : set TCP name to be the same as TCP Port of DVR, click turn ON behind button
- Port 11001 : set HTTP name to be the same as HTTP Port of DVR, click turn ON behind button
- When finished, press Confirm

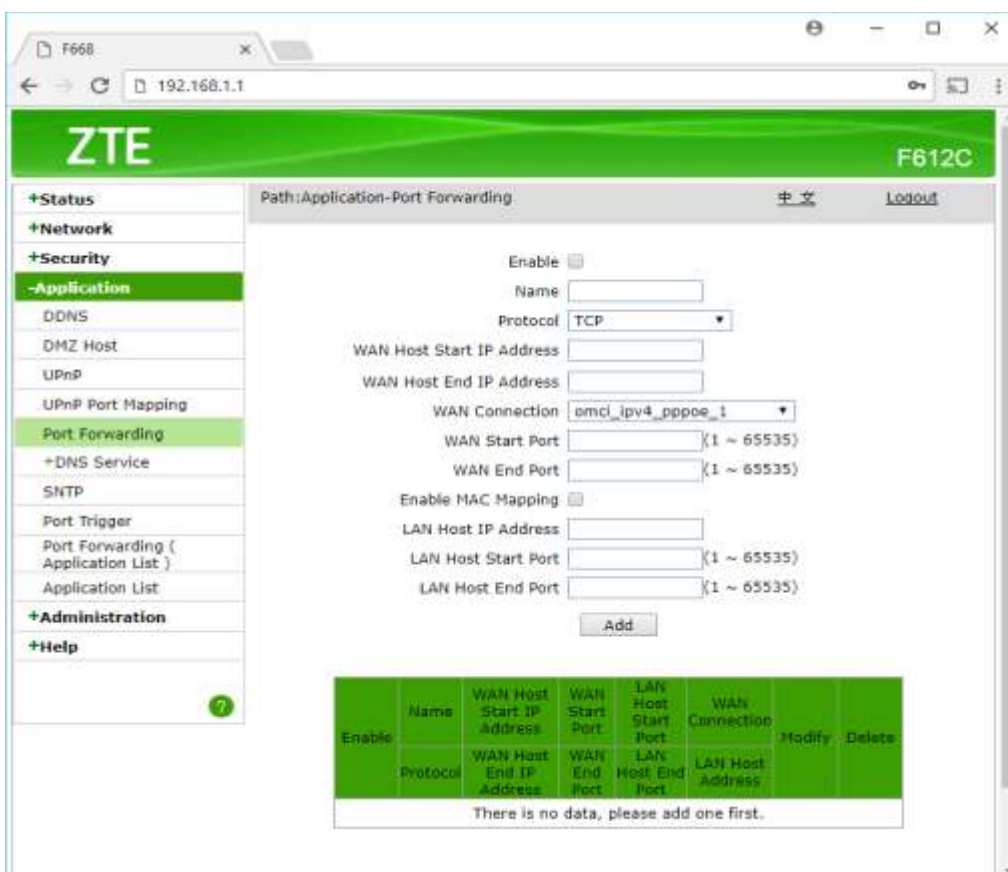


3. Set up Port Forwarding at Router

3.1. Type 192.168.1.1> Username = admin , Password = password



3.2. Application > Port Forwarding



3.3. Set up as follows:

- Enable : tick a check mark
- Name : enter name of using device (e.g. DVR1 TCP)
- Protocol : TCP
- WAN Host Start IP Address / WAN Host End IP Address : not set
- WAN Connection: omci_ipv4_pppoe_1
- WAN Start Port: 11000
- WAN End Port : 11000
- LAN Host IP Address : enter IP Address of device to forward Port e.g. 192.168.1.108
- LAN Host Start Port : Port 37777
- LAN Host End Port : Port 37777
- Press **ADD**

The screenshot shows the ZTE F612C web interface for configuring Port Forwarding. The browser address bar shows 192.168.1.1. The interface has a green header with 'ZTE' and 'F612C'. A left sidebar contains navigation menus: +Status, +Network, +Security, -Application (selected), DDNS, DMZ Host, UPnP, UPnP Port Mapping, Port Forwarding (highlighted), +DNS Service, SNTP, Port Trigger, Port Forwarding (Application List), Application List, +Administration, and +Help. The main content area is titled 'Path: Application-Port Forwarding' and includes a 'Logout' link. The configuration form is as follows:

- Enable:
- Name:
- Protocol:
- WAN Host Start IP Address:
- WAN Host End IP Address:
- WAN Connection:
- WAN Start Port: (1 ~ 65535)
- WAN End Port: (1 ~ 65535)
- Enable MAC Mapping:
- LAN Host IP Address:
- LAN Host Start Port: (1 ~ 65535)
- LAN Host End Port: (1 ~ 65535)

Below the form is an 'Add' button and a table with the following structure:

Enable	Name	WAN Host Start IP Address	WAN Start Port	LAN Host Start Port	WAN Connection	Modify	Delete
	Protocol	WAN Host End IP Address	WAN End Port	LAN Host End Port	LAN Host Address		

Below the table, it says: "There is no data, please add one first."

3.4. After pressing ADD, setup information will be shown in below table

The screenshot shows the ZTE F612C web interface for configuring Application-Port Forwarding. The configuration form includes fields for Name, Protocol (set to TCP), WAN Host Start/End IP Address, WAN Connection (set to omci_ipv4_pppoe_1), WAN Start/End Port (range 1 ~ 65535), Enable MAC Mapping, LAN Host IP Address, LAN Host Start/End Port (range 1 ~ 65535), and an Add button.

Below the configuration form, a table displays the added port forwarding rules:

Enable	Name	WAN Host Start IP Address	WAN Start Port	LAN Host Start Port	WAN Connection	Modify	Delete
✓	DVR1 TCP		11000	37777	omci_ipv4_pppoe_1		
	TCP		11000	37777	192.168.1.108		

3.5. Set up HTTP Port

- Enable : tick a check mark
- Name : enter name of using device (e.g. DVR1 HTTP)
- Protocol : TCP
- WAN Host Start IP Address and WAN Host End IP Address : not set
- WAN Connection: omci_ipv4_pppoe_1
- WAN Start Port: 11001
- WAN End Port : 11001
- LAN Host IP Address : enter IP Address of device to forward Port
- LAN Host Start Port : Port 81
- LAN Host End Port : Port 81
- Press **ADD**

The screenshot shows the ZTE F612C web interface for configuring Port Forwarding. The 'Application' section is active, showing the following settings:

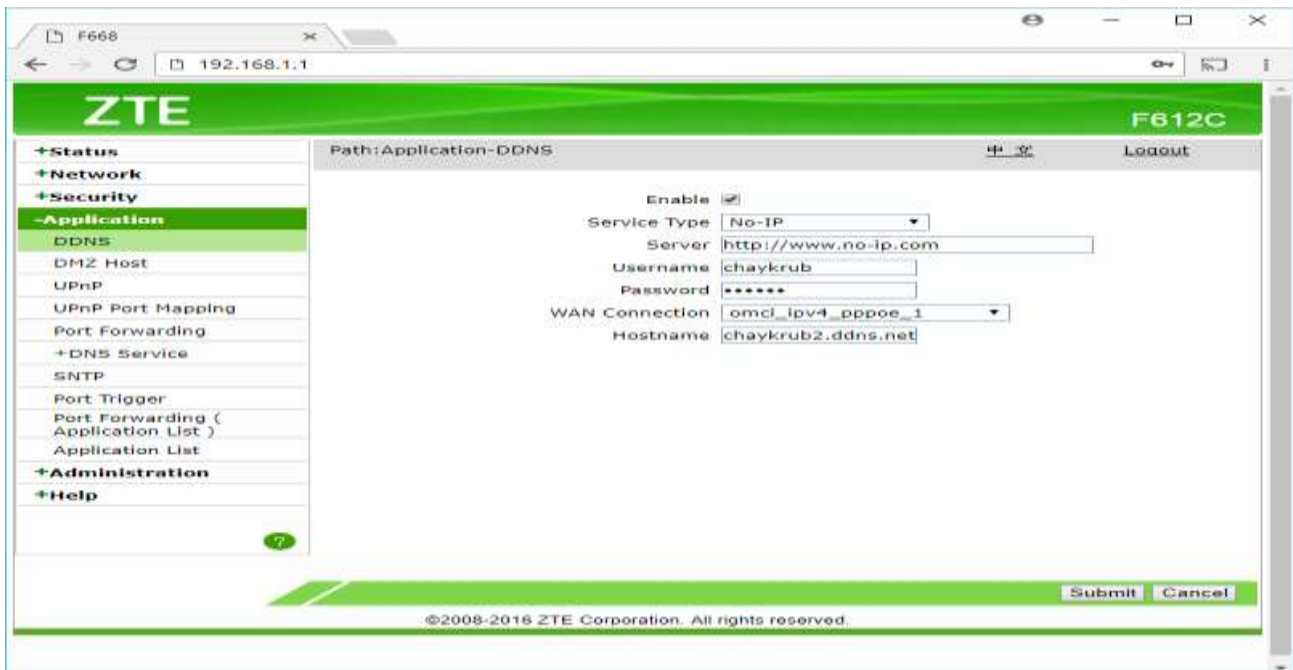
- Enable:
- Name: DVR1 HTTP
- Protocol: TCP
- WAN Host Start IP Address: (empty)
- WAN Host End IP Address: (empty)
- WAN Connection: omci_ipv4_pppoe_1
- WAN Start Port: 11001 (1 ~ 65535)
- WAN End Port: 11001 (1 ~ 65535)
- Enable MAC Mapping:
- LAN Host IP Address: 192.168.1.108
- LAN Host Start Port: 81 (1 ~ 65535)
- LAN Host End Port: 81 (1 ~ 65535)

An 'Add' button is visible below the configuration fields.

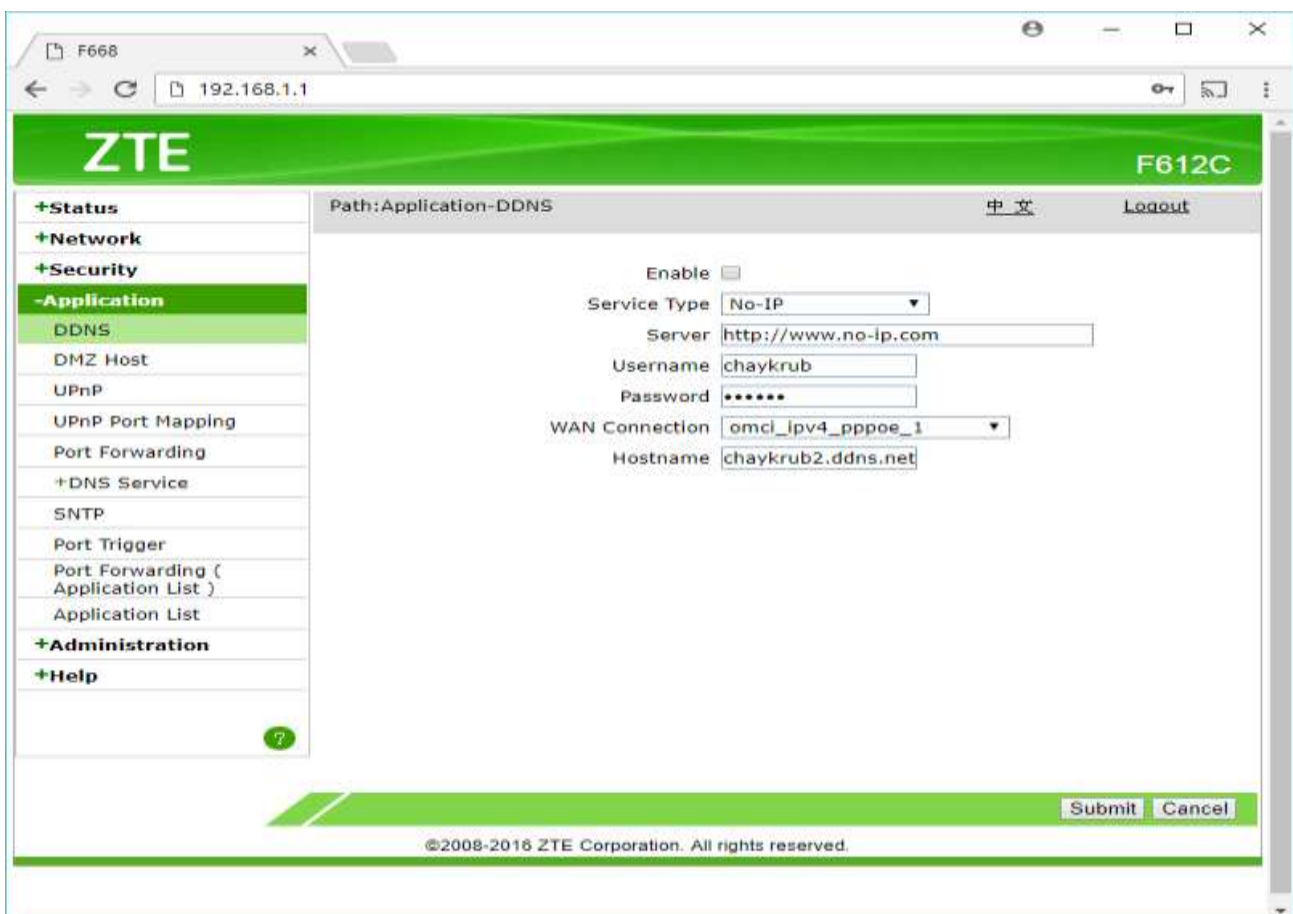
Enable	Name	WAN Host Start IP Address	WAN Start Port	LAN Host Start Port	WAN Connection	Modify	Delete
<input checked="" type="checkbox"/>	DVR1 TCP		11000	37777	omci_ipv4_pppoe_1		
	TCP		11000	37777	192.168.1.108		

4. Close DDNS setting at Router

4.1. Application > DDNS



4.2. Uncheck at Enable, press Submit

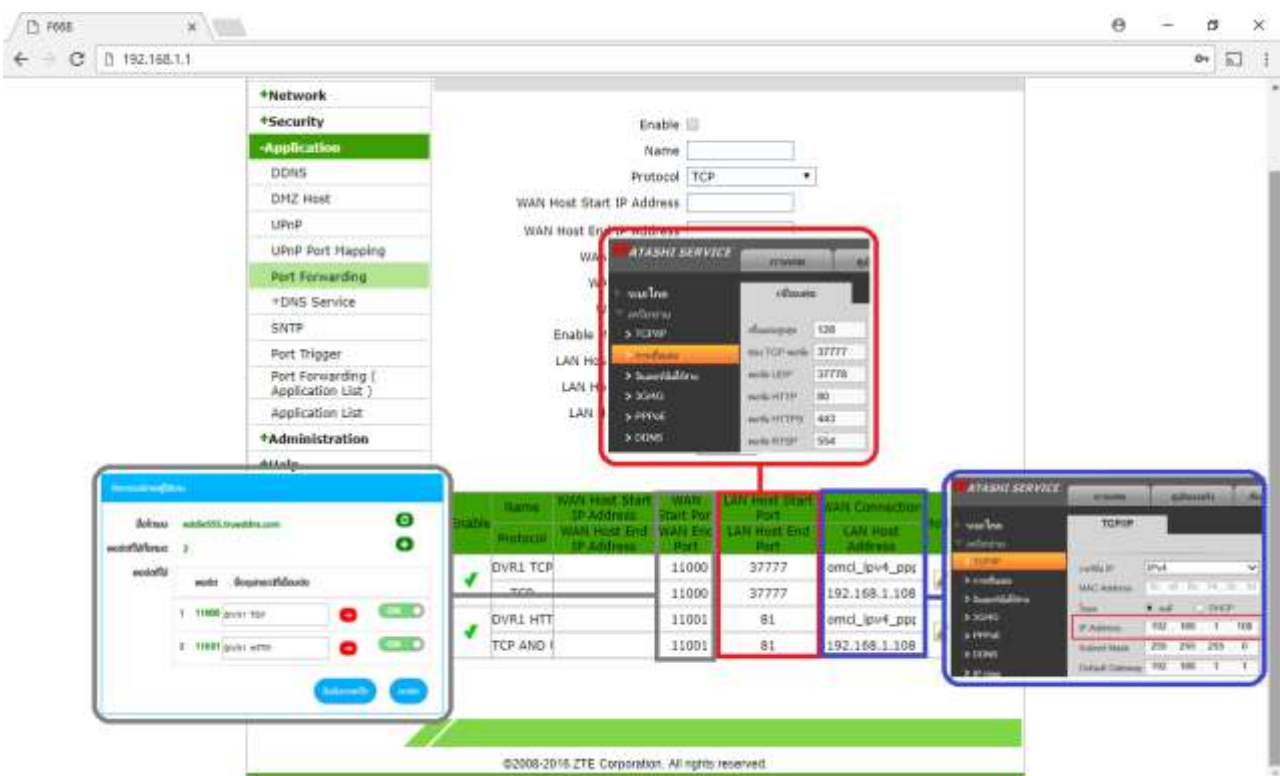


5. Close DDNS setting at DVR

- go to Setting > DDNS > remove a check mark > press Save

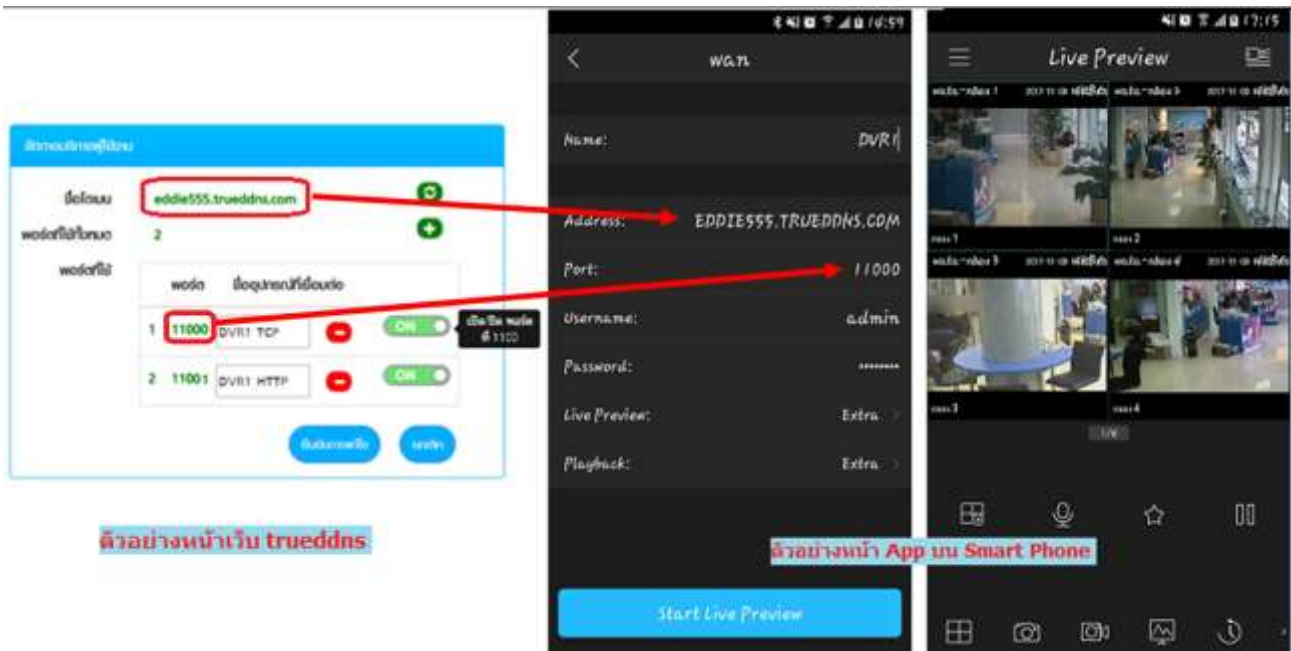


6. Overall settings



7. Test using via **Mobile Internet or Internet that is different from at home**

7.1. Test CCTV App on Smart Phone by using Domain name and Port numbers from True DDNS, if the setting is correct, you'll see pictures from camera



7.2. Test the usage via Web : enter Domain name : Port number from TrueDDNS Ex. eddie555.trueddns.com :11001 If the setting is correct, you can access CCTV Web

