

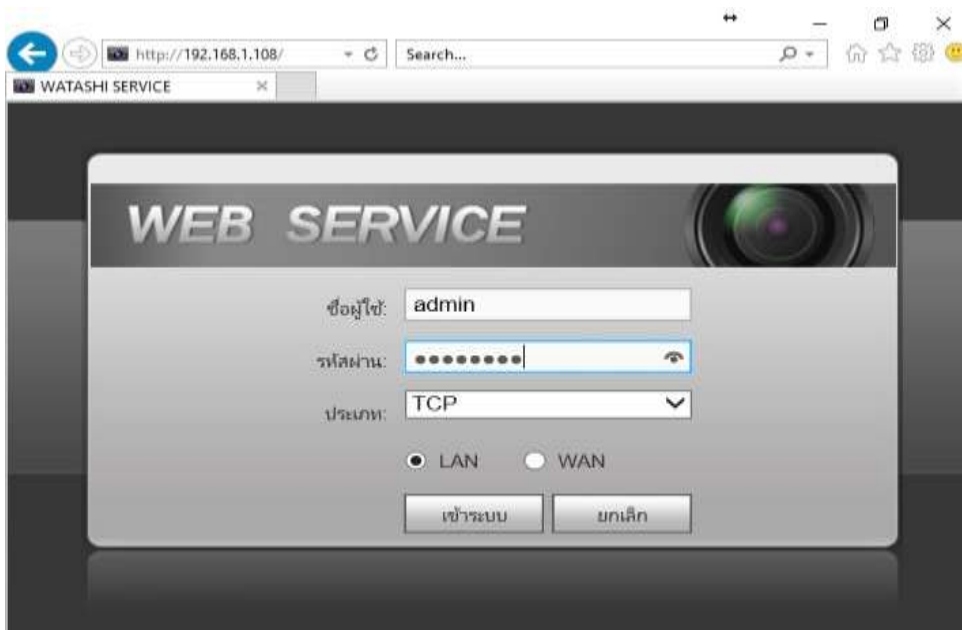
How to fix Problem when configure ZTE F668 to use TrueDDNS with CCTV

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

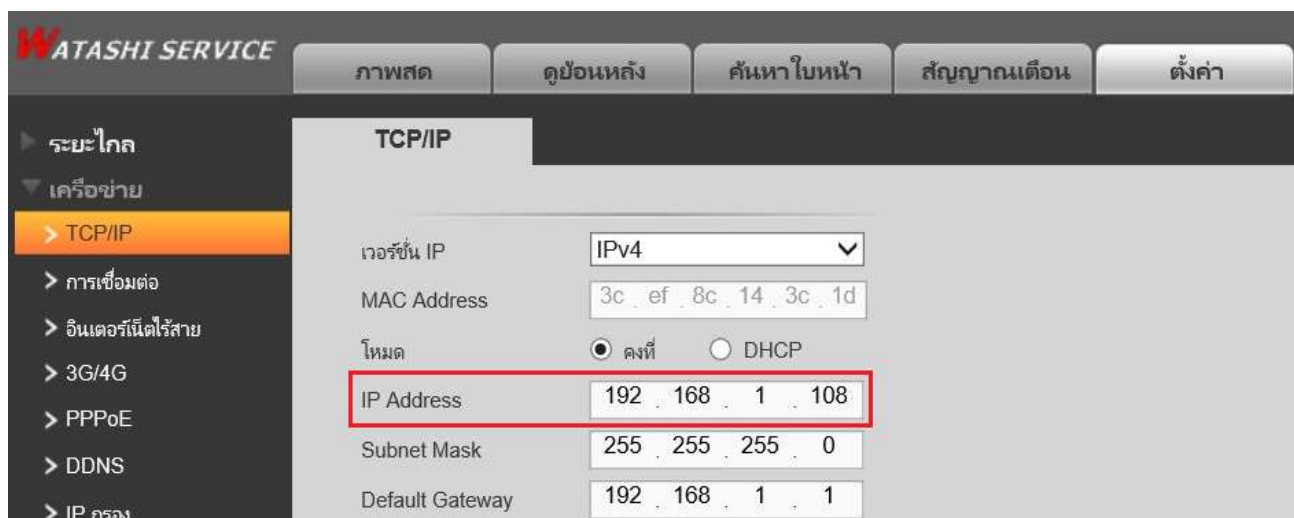
1.1. Check the setting at DVR that's used to record data from all cameras in house (ex. Watashi CCTV)

- 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

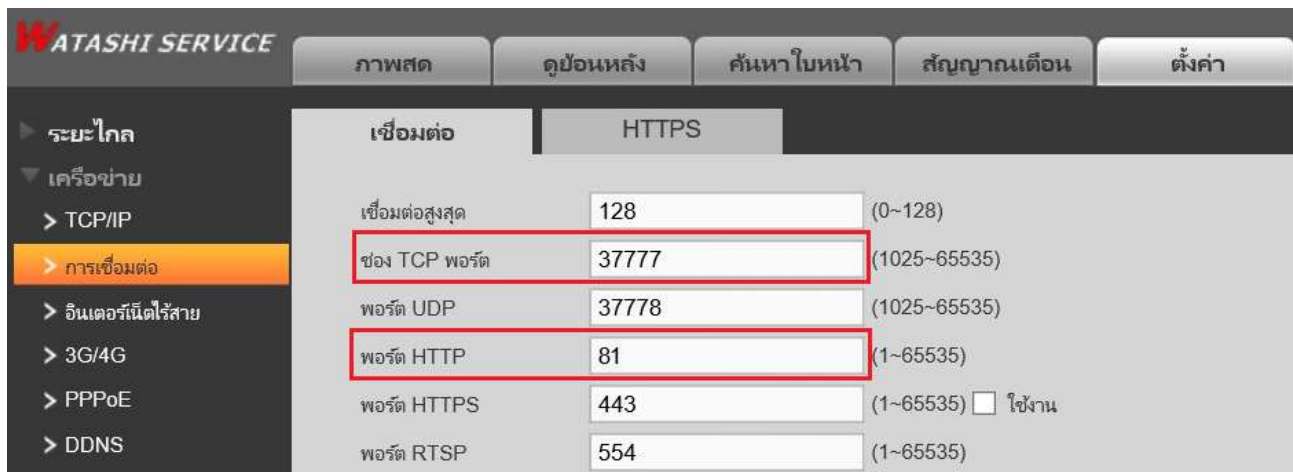


1.2. Check IP Address, go **Setting > Network > TCP/IP**: IP Address of DVR: **192.168.1.108**



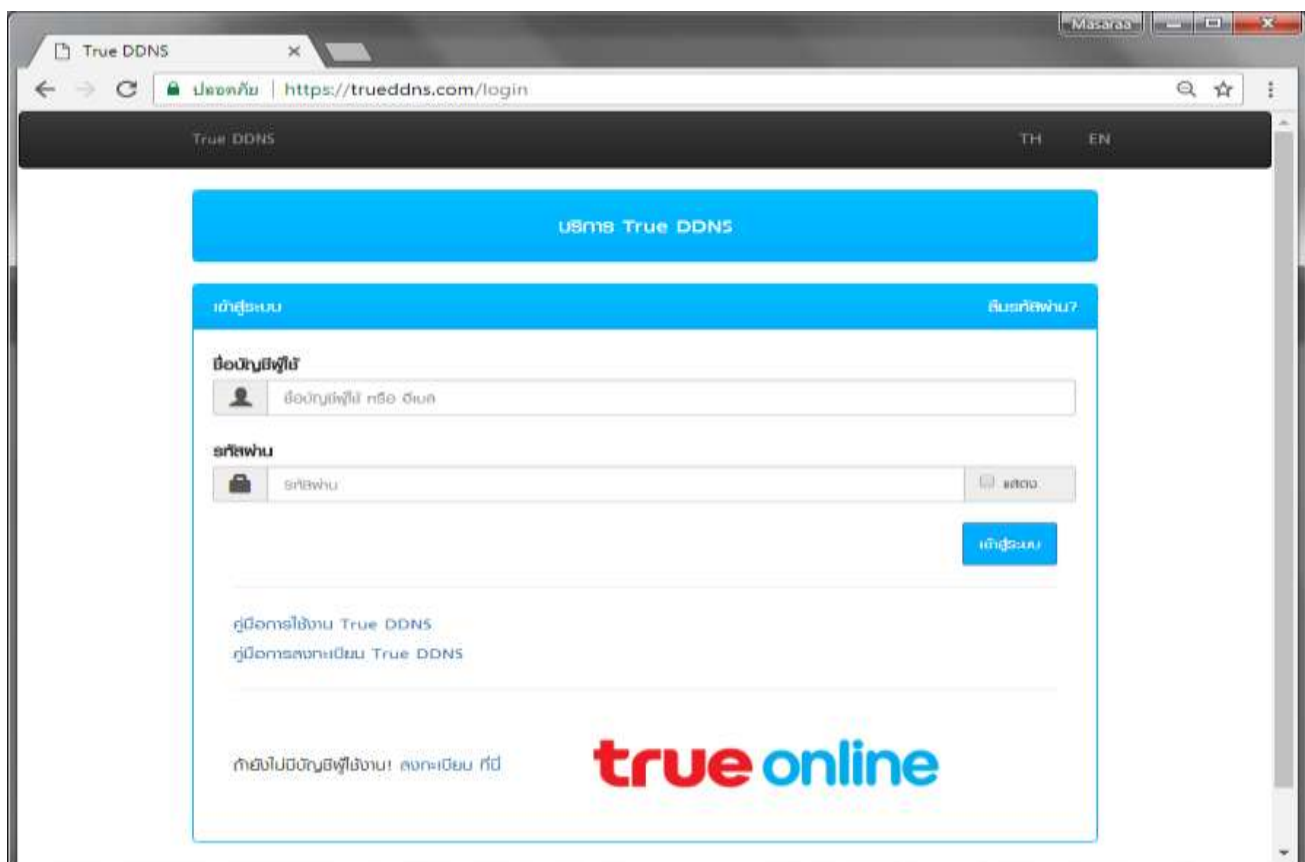
1.3. Check Port, go to Setting > Network > Connection : mostly used Ports:

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



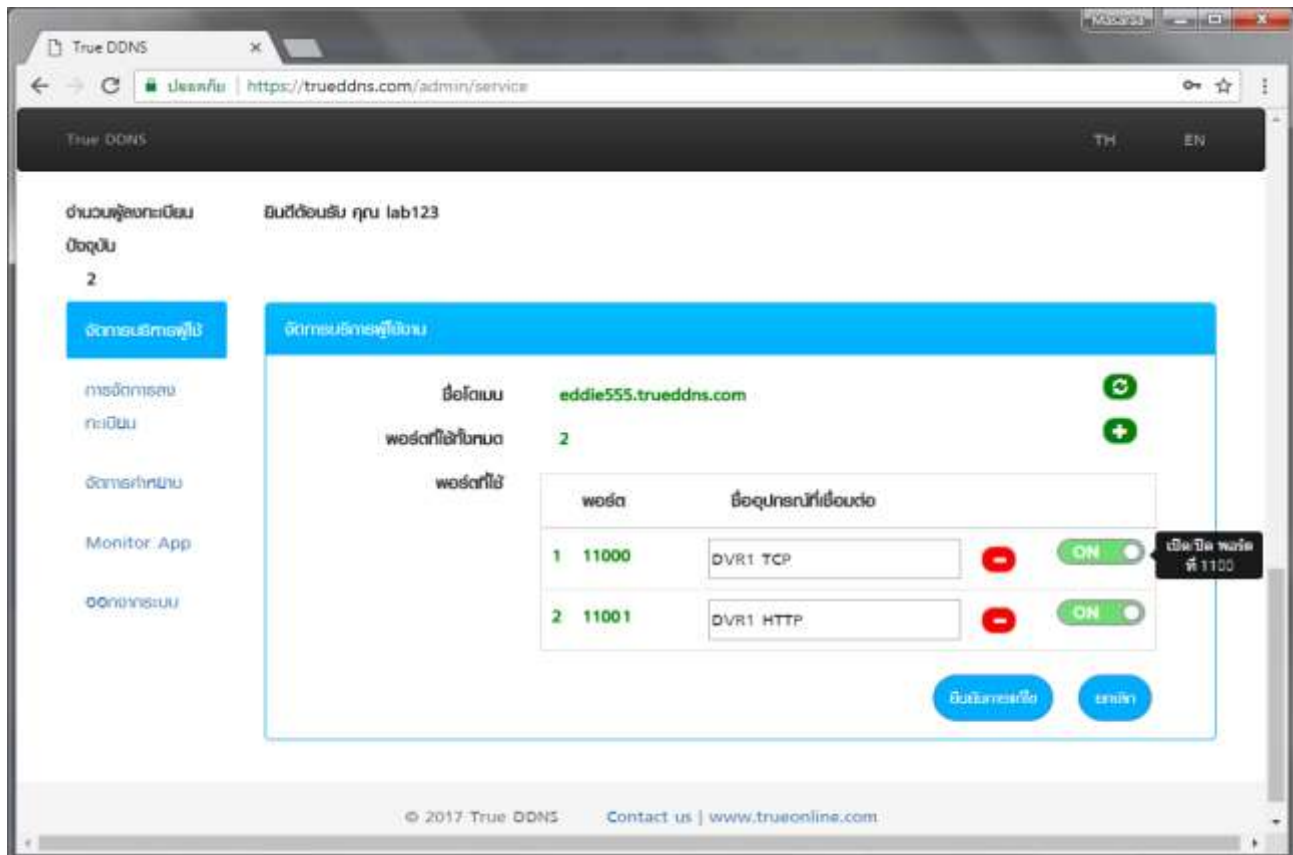
2. Set up TrueDDNS

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



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

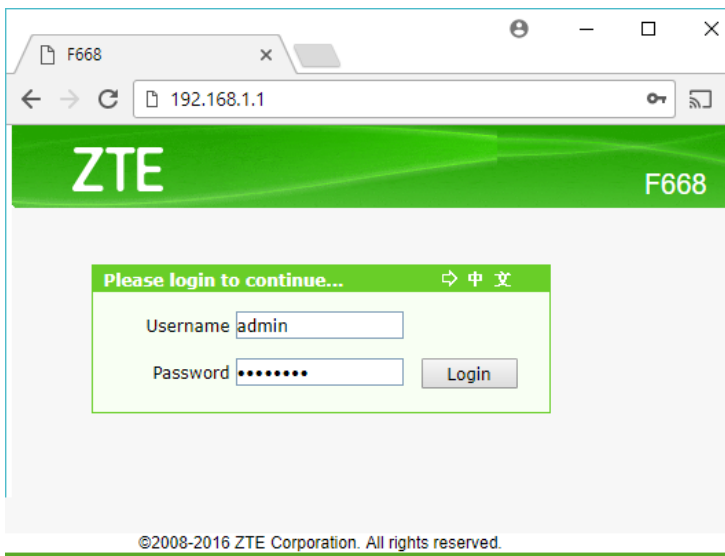


3. Input Port numbers received from TrueDDNS to replace old Port numbers of DVR and then press Save

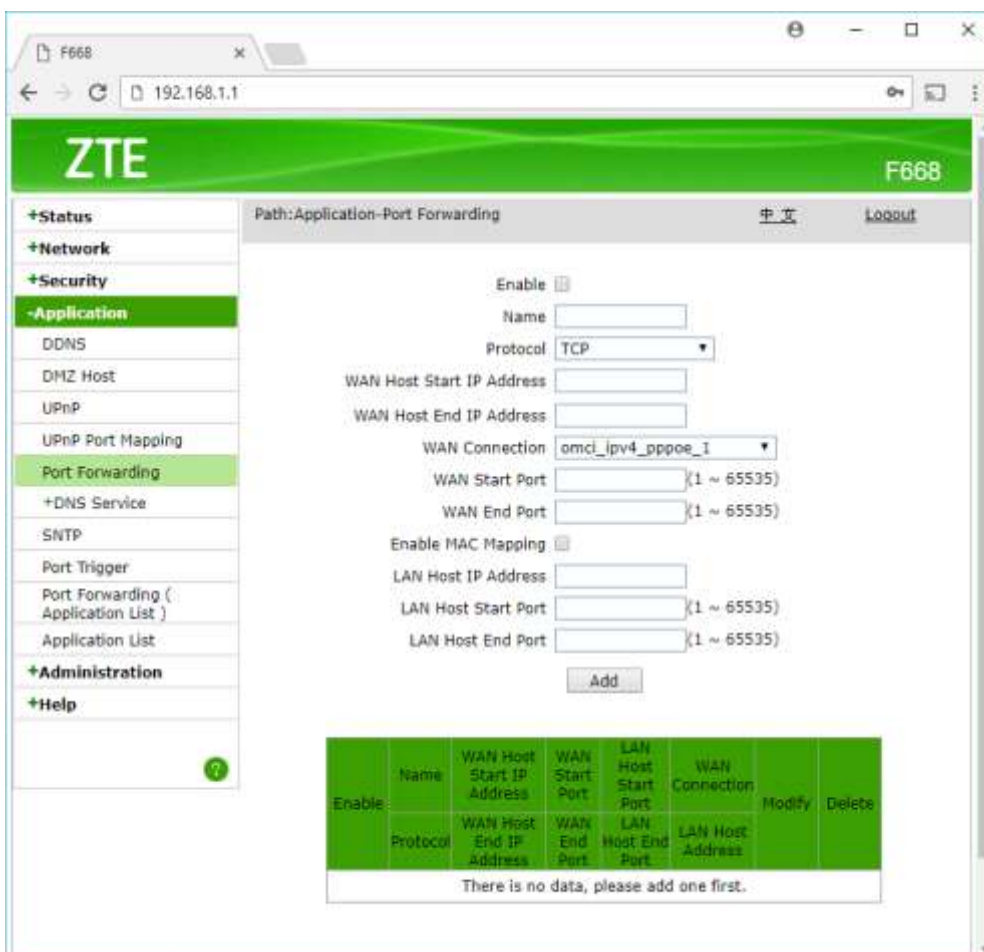


4. Set up Port Forwarding at Router

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



4.2. Go to Application > Port Forwarding



4.3. Set up as follows:

- Enable : tick a check
- 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: choose omci_ipv4_pppoe_1
- WAN Start Port: 11000
- WAN End Port : 11000
- LAN Host IP Address : enter IP Address of device to forward Port
- LAN Host Start Port : Port 11000
- LAN Host End Port : Port 11000
- Press **ADD**

The screenshot shows the ZTE F668 web interface for configuring Port Forwarding. The browser address bar shows 192.168.1.1. The page title is 'ZTE F668'. The navigation menu on the left includes: +Status, +Network, +Security, -Application (selected), DDNS, DMZ Host, UPnP, UPnP Port Mapping, Port Forwarding (selected), +DNS Service, SNTP, Port Trigger, Port Forwarding (Application List), Application List, +Administration, and +Help.

The main configuration area is titled 'Path: Application-Port Forwarding'. It contains the following fields and options:

- 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)

At the bottom of the configuration area is an 'Add' button.

Below the configuration area is a table with the following columns: Enable, Name, WAN Host Start IP Address, WAN Start Port, LAN Host Start Port, WAN Connection, WAN Host End IP Address, LAN Host End Port, Modify, and Delete. The table is currently empty, and a message below it reads: 'There is no data, please add one first.'

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

The screenshot shows the ZTE F668 web interface for Port Forwarding configuration. The 'Add' button is highlighted, and a table of added rules is shown at the bottom of the configuration page.

Enable	Name	WAN Host Start IP Address	WAN Start Port	LAN Host Start Port	WAN Connection	Modify	Delete
✓	DVR1 TCP		11000	11000	omci_ipv4_ppr		
	TCP		11000	11000	192.168.1.108		

4.5. Set up HTTP Port

- Enable : tick a check
- Name : enter name of using device (e.g. DVR1 HTTP)
- Protocol : TCP
- WAN Host Start IP Address / WAN Host End IP Address : not set
- WAN Connection: choose 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 11001
- LAN Host End Port : Port 11001
- Press ADD

The screenshot shows the ZTE F668 web interface for configuring Port Forwarding. The page title is "ZTE F668" and the breadcrumb is "Path: Application-Port Forwarding". The "Application-Port Forwarding" section is active, showing the following configuration:

- 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: 11001 (1 ~ 65535)
- LAN Host End Port: 11001 (1 ~ 65535)

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

Below the configuration form is a table listing the added port forwarding rules:

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	11000	omci_ipv4_pppoe_1		
	TCP		11000	11000	192.168.1.108		

5. Close DDNS setting at Router

5.1. Application > DDNS

The screenshot shows the ZTE F668 router's web management interface. The browser address bar shows the IP address 192.168.1.1. The page title is 'ZTE F668'. The left sidebar contains a navigation menu with the following items: +Status, +Network, +Security, -Application (highlighted), DDNS (highlighted), DMZ Host, UPnP, UPnP Port Mapping, Port Forwarding, +DNS Service, SNTP, Port Trigger, Port Forwarding (Application List), Application List, +Administration, and +Help. The main content area is titled 'Path:Application-DDNS' and includes a language selector for '中文' and a 'Logout' link. The DDNS configuration is as follows:

- Enable:
- Service Type: No-IP
- Server: http://www.no-ip.com
- Username: chaykrub
- Password: [masked]
- WAN Connection: omci_ipv4_pppoe_1
- Hostname: chaykrub2.ddns.net

At the bottom right of the configuration area, there are 'Submit' and 'Cancel' buttons. The footer of the page contains the copyright notice: ©2008-2016 ZTE Corporation. All rights reserved.

5.2. Uncheck at Enable, press **Submit**

The screenshot shows the ZTE F668 web interface for configuring DDNS. The left sidebar contains a menu with categories: +Status, +Network, +Security, -Application (selected), +Administration, and +Help. Under -Application, the following options are listed: DDNS (selected), DMZ Host, UPnP, UPnP Port Mapping, Port Forwarding, +DNS Service, SNTP, Port Trigger, Port Forwarding (Application List), and Application List. The main content area is titled 'Path:Application-DDNS' and includes a language selector '中文' and a 'Logout' link. The configuration fields are as follows:

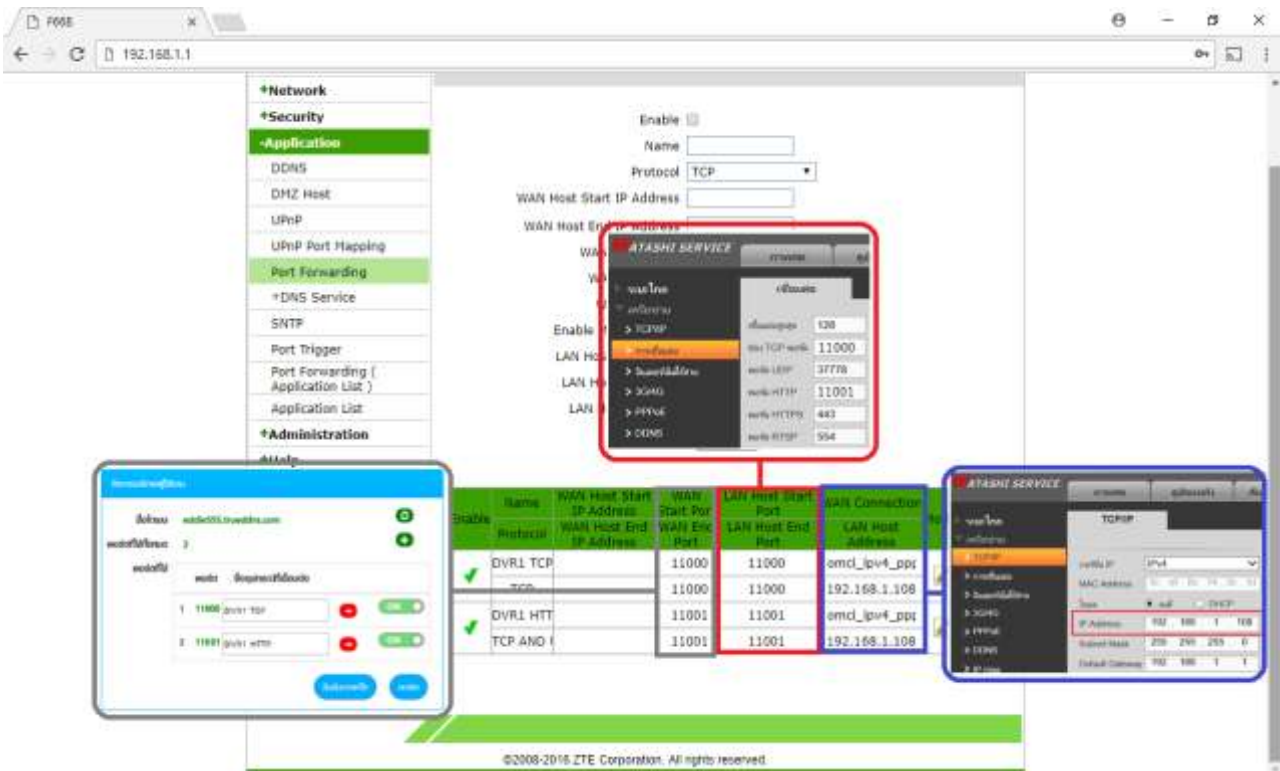
- Enable:
- Service Type:
- Server:
- Username:
- Password:
- WAN Connection:
- Hostname:

At the bottom right, there are 'Submit' and 'Cancel' buttons. The footer contains the copyright notice: ©2008-2016 ZTE Corporation. All rights reserved.

6. Close DDNS setting at DVR: go to Setting > DDNS > remove a check mark > press Save

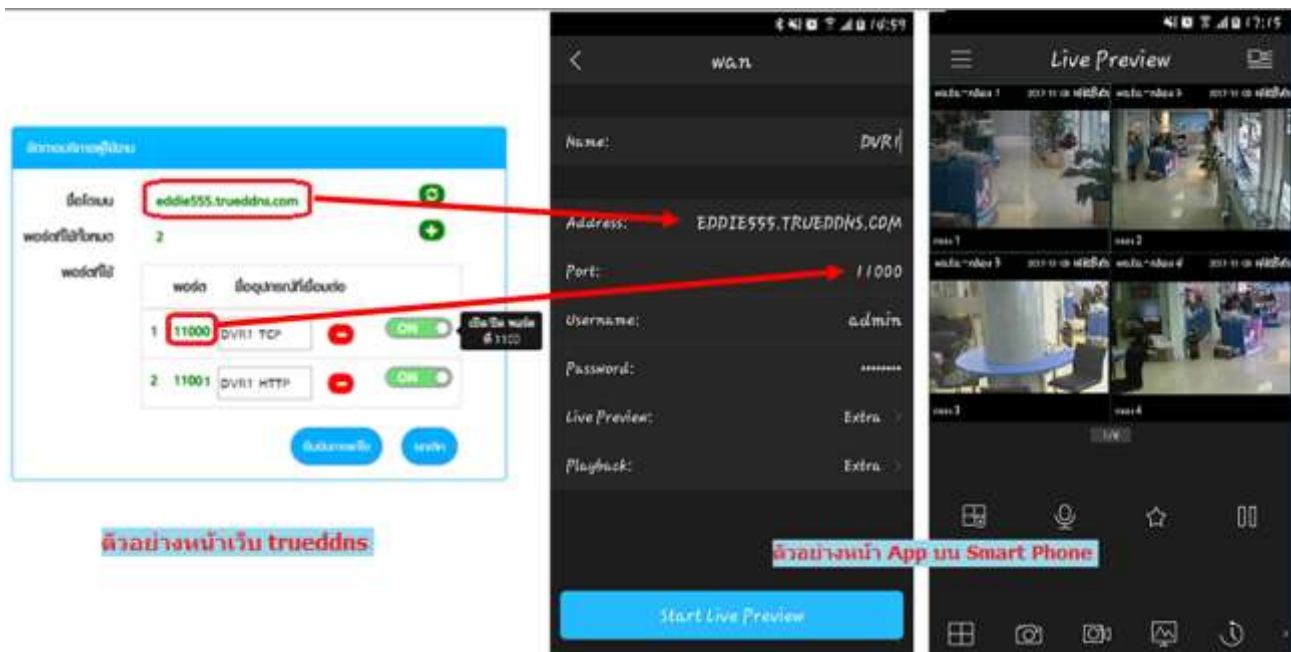


7. Overall settings



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

8.1. 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



8.2. 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

