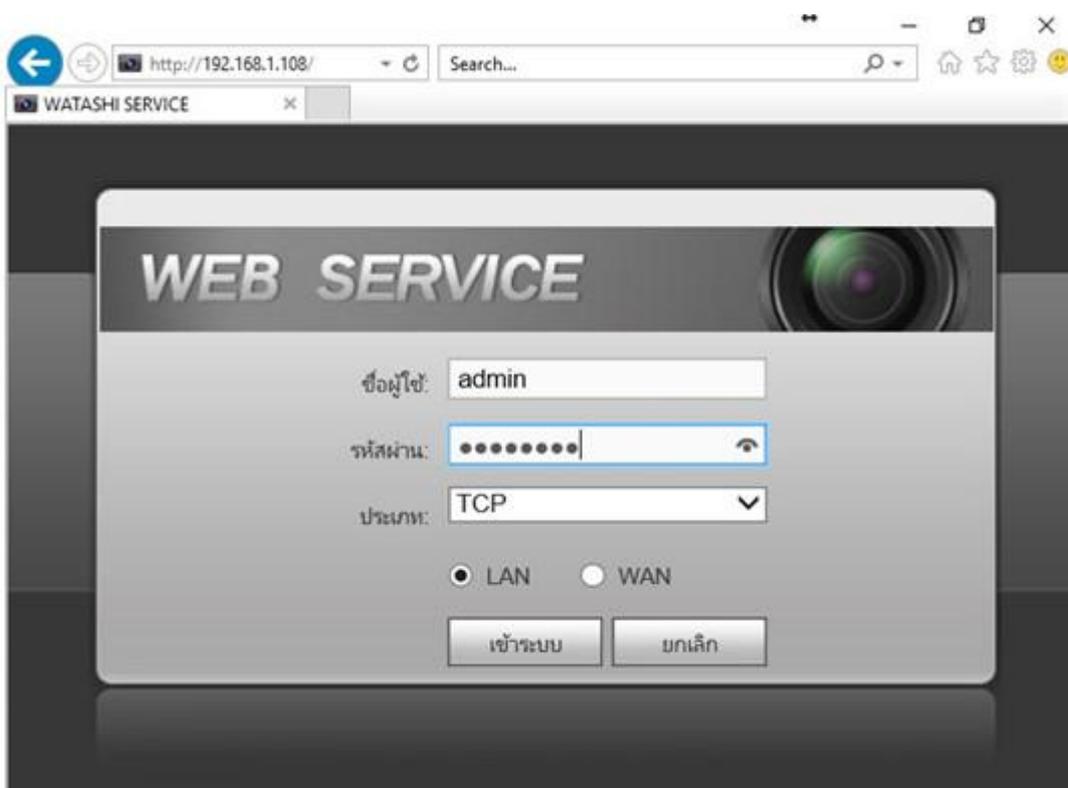


## Set up ZTE F688 to use True DDNS with CCTV

### Check IP Address and Port of CCTV to forward Port at Router

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

- Type IP Address of DVR at Browser ex. 192.168.1.108 then press Enter, it'll lead to Login page
- Enter Username and password of DVR then press Log in
- in case you don't know IP Address, Username and password of DVR, ask the technician who installs DVR

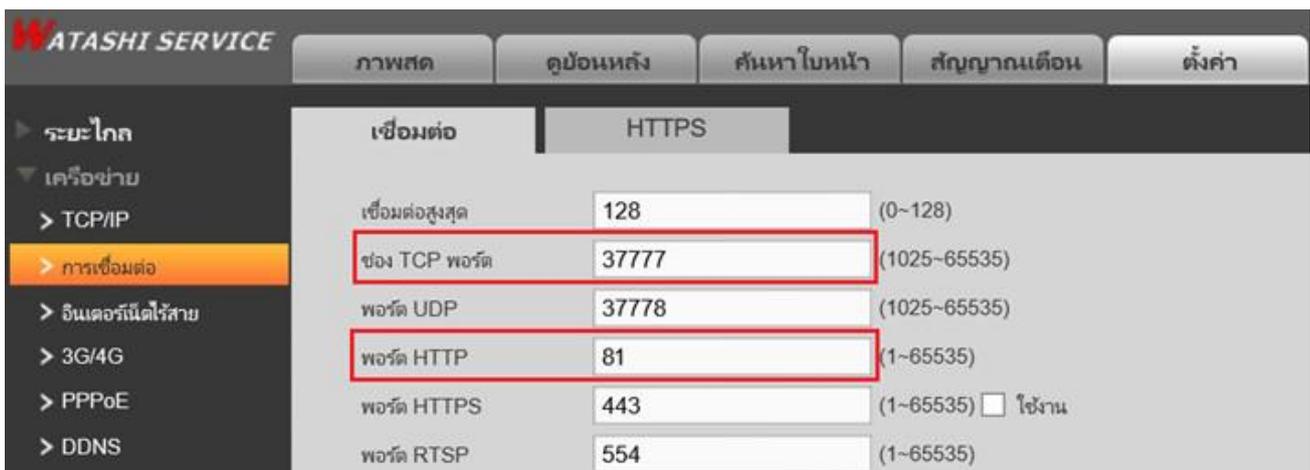


2. Check IP Address, go Setting > Network > TCP/IP: IP Address of DVR: 192.168.1.108



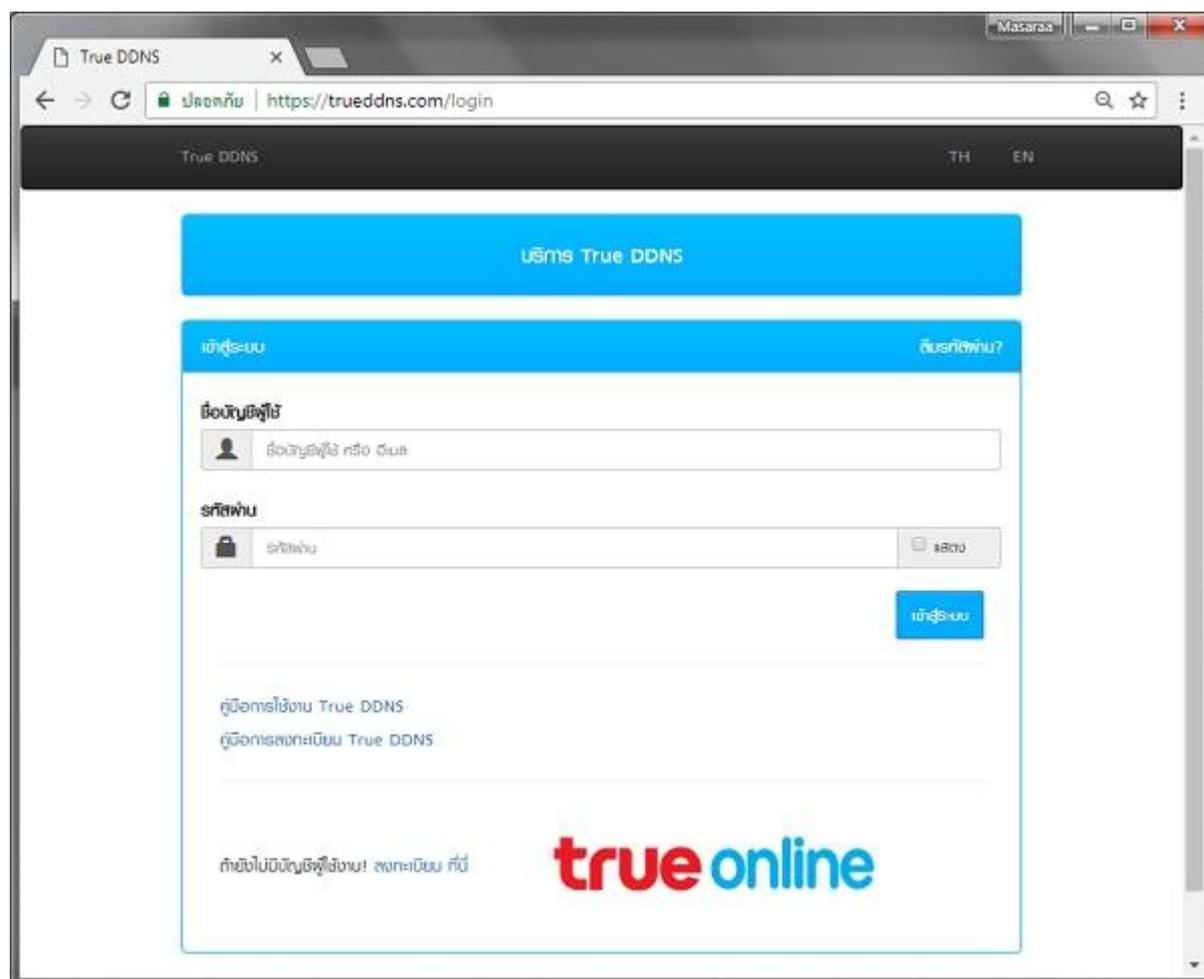
3. Check Port, go to Setting > Network > Connection, mostly used Ports :

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



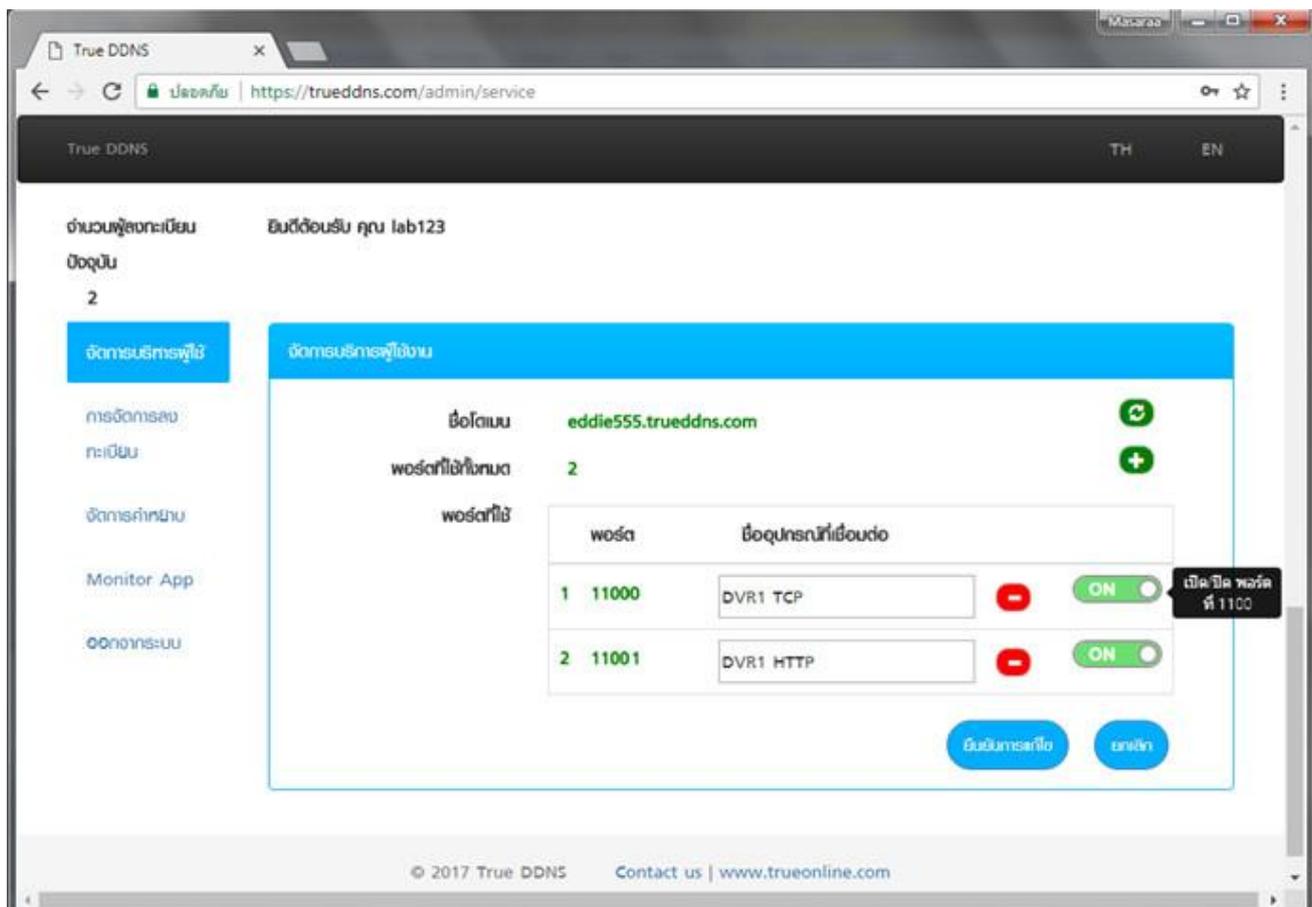
## Set up TrueDDNS

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



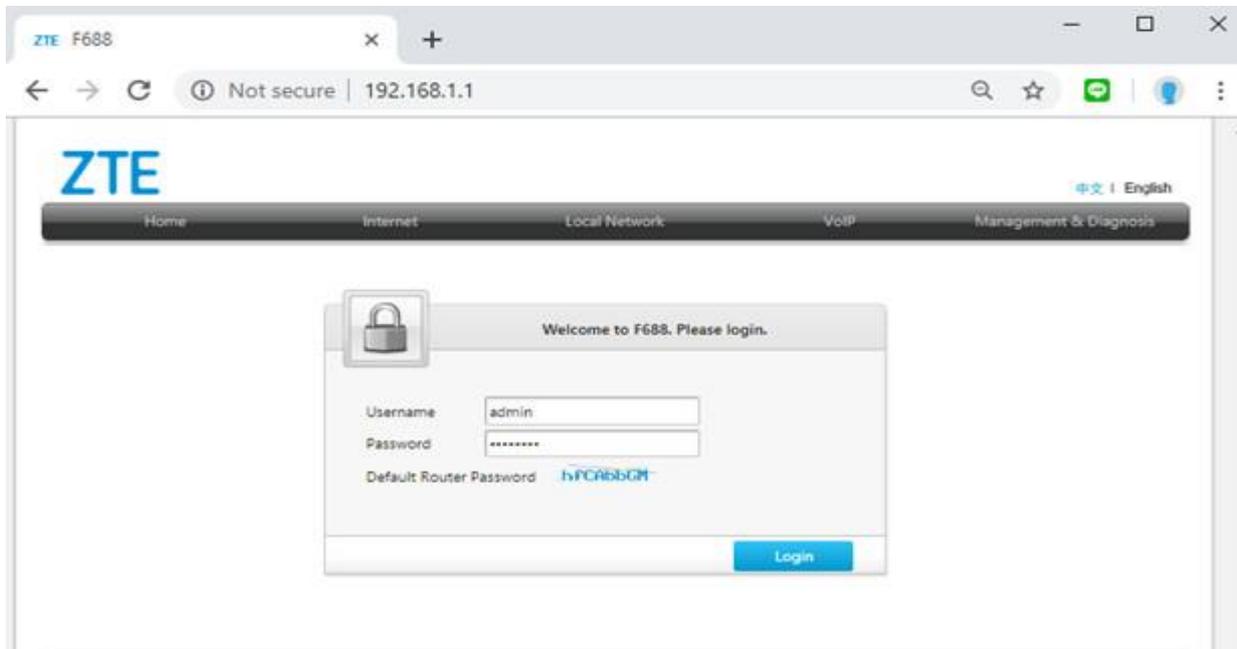
## 2. Select Service Management for Pairing Port to align with DVR

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

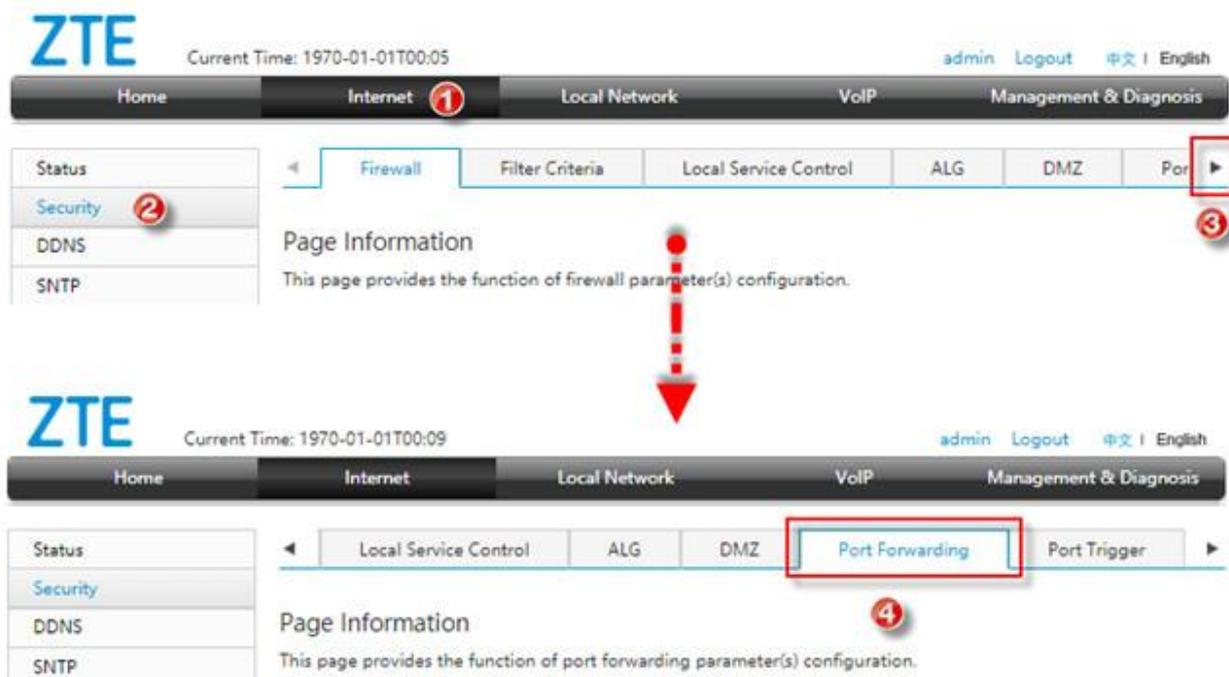


## Set Port Forwarding at Router

1. Type 192.168.1.1 , enter Username = admin / Password = letters as shown below then press Login



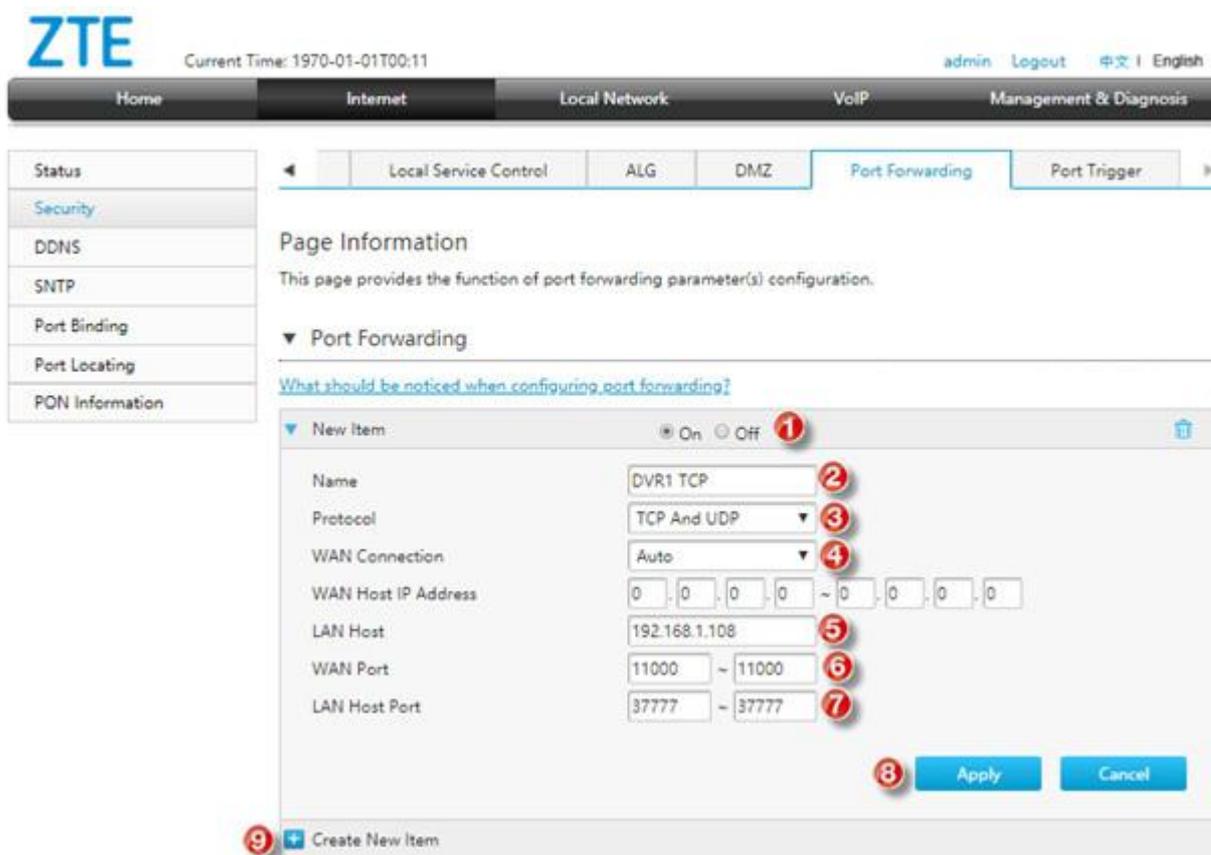
2. Go to Internet > Security > Port Forwarding



### 3. At Port Forwarding Virtual Server

#### 3.1. View via App on Smart Phone

- New Item : select On to enable this Profile
- Name : name the Profile e.g. “DVR1 TCP”
- Protocol : select protocol per usage, if do not sure, choose TCP And UDP
- WAN Connection : select Auto
- LAN Host : 192.168.1.108
- WAN Port : 11000
- LAN Host Port : 37777
- Once finished, press Apply
- To add Port Forwarding, press Create New Item



### 3.2. View via Web Browser

- New Item : select On to enable this Profile
- Name : name the Profile e.g. “DVR1 HTTP”
- Protocol : select protocol, if do not sure, choose TCP And UDP
- WAN Connection : Auto
- LAN Host : 192.168.1.108
- WAN Port : 11001
- LAN Host Port : 81
- Once finished, press Apply

The screenshot shows the ZTE web interface for configuring Port Forwarding. The page title is "Page Information" and it states: "This page provides the function of port forwarding parameter(s) configuration." Under the "Port Forwarding" section, there is a link: "What should be noticed when configuring port forwarding?".

The configuration table is as follows:

Item	Value
DVR1 TCP	<input checked="" type="radio"/> On <input type="radio"/> Off
New Item	<input type="radio"/> On <input checked="" type="radio"/> Off
Name	DVR1 HTTP
Protocol	TCP And UDP
WAN Connection	Auto
WAN Host IP Address	0 . 0 . 0 . 0 ~ 0 . 0 . 0 . 0
LAN Host	192.168.1.108
WAN Port	11001 ~ 11001
LAN Host Port	81 ~ 81

Buttons: Apply, Cancel

Numbered callouts (1-8) in the image point to: 1. New Item radio button, 2. Name field, 3. Protocol dropdown, 4. WAN Connection dropdown, 5. LAN Host field, 6. WAN Port range, 7. LAN Host Port range, 8. Apply button.

4. After setting, setup data will be shown in below table

**remarks:** number of Port to forward will depend on device, may be 1 port or more

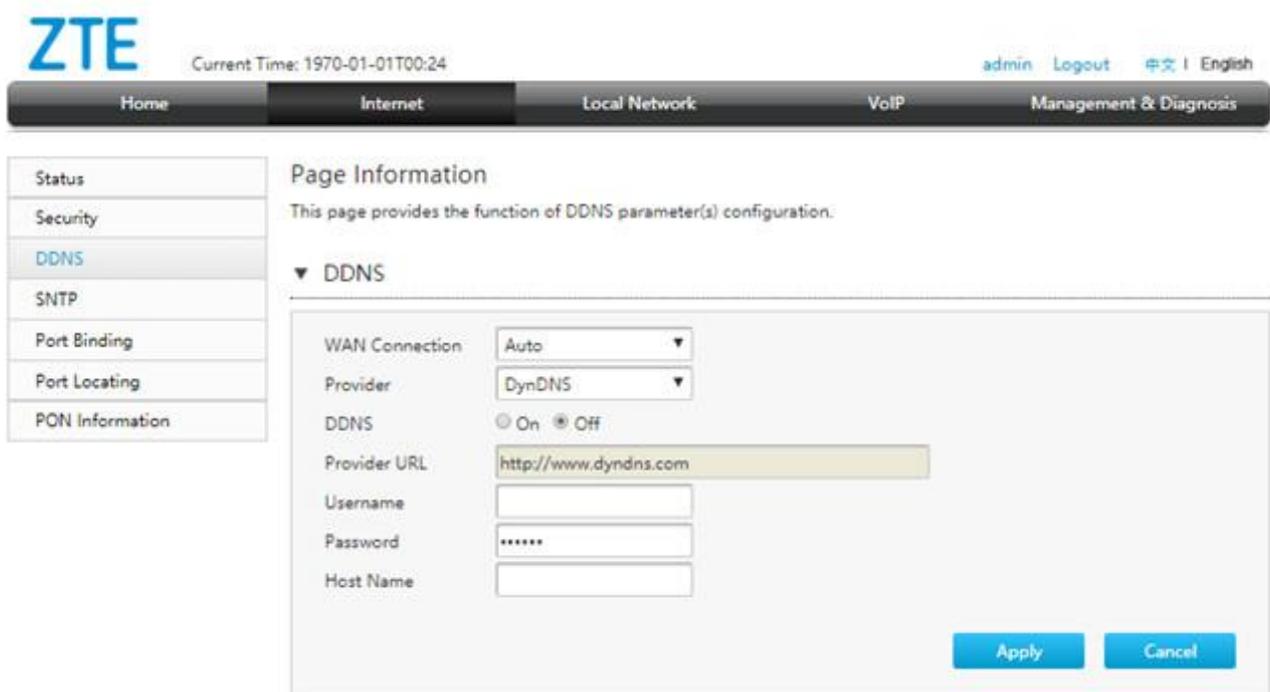
▼ Port Forwarding

[What should be noticed when configuring port forwarding?](#)

▼ DVR1 TCP <span style="float: right;">On <input checked="" type="radio"/> Off <input type="radio"/></span>	
Name	DVR1 TCP
Protocol	TCP And UDP
WAN Connection	Auto
WAN Host IP Address	0 . 0 . 0 . 0 ~ 0 . 0 . 0 . 0
LAN Host	192.168.1.108
WAN Port	11000 ~ 11000
LAN Host Port	37777 ~ 37777
<input type="button" value="Apply"/> <input type="button" value="Cancel"/>	
▼ DVR1 HTTP <span style="float: right;">On <input checked="" type="radio"/> Off <input type="radio"/></span>	
Name	DVR1 HTTP
Protocol	TCP And UDP
WAN Connection	Auto
WAN Host IP Address	0 . 0 . 0 . 0 ~ 0 . 0 . 0 . 0
LAN Host	192.168.1.108
WAN Port	11001 ~ 11001
LAN Host Port	81 ~ 81
<input type="button" value="Apply"/> <input type="button" value="Cancel"/>	
<input type="button" value="Create New Item"/>	

## Close DDNS setting at Router

1. Go to Internet
2. Click DDNS
3. At DDNS, select Off
4. Press Apply



The screenshot shows the ZTE router's web interface. The top navigation bar includes 'Home', 'Internet', 'Local Network', 'VoIP', and 'Management & Diagnosis'. The 'Internet' tab is selected. On the left, a sidebar menu lists 'Status', 'Security', 'DDNS', 'SNTP', 'Port Binding', 'Port Locating', and 'PON Information'. The 'DDNS' option is highlighted. The main content area is titled 'Page Information' and states: 'This page provides the function of DDNS parameter(a) configuration.' Below this, the 'DDNS' section is expanded, showing the following configuration:

WAN Connection	Auto
Provider	DynDNS
DDNS	<input type="radio"/> On <input checked="" type="radio"/> Off
Provider URL	http://www.dyndns.com
Username	
Password	*****
Host Name	

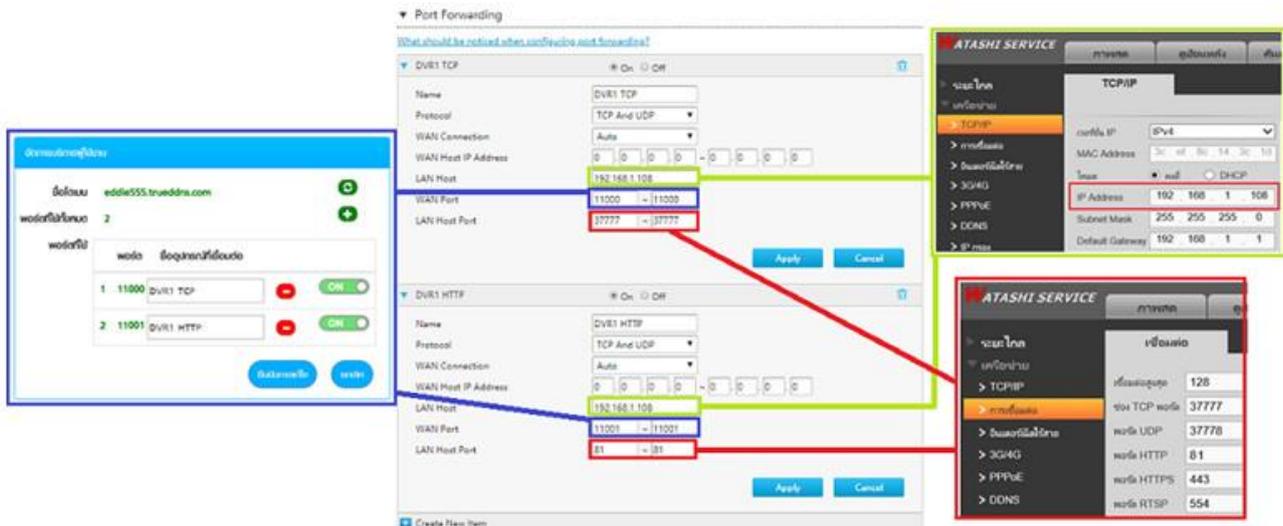
At the bottom right of the configuration area, there are two buttons: 'Apply' and 'Cancel'.

## Close DDNS setting at DVR

1. Go to Setting > DDNS
2. Remove a check
3. Press Save

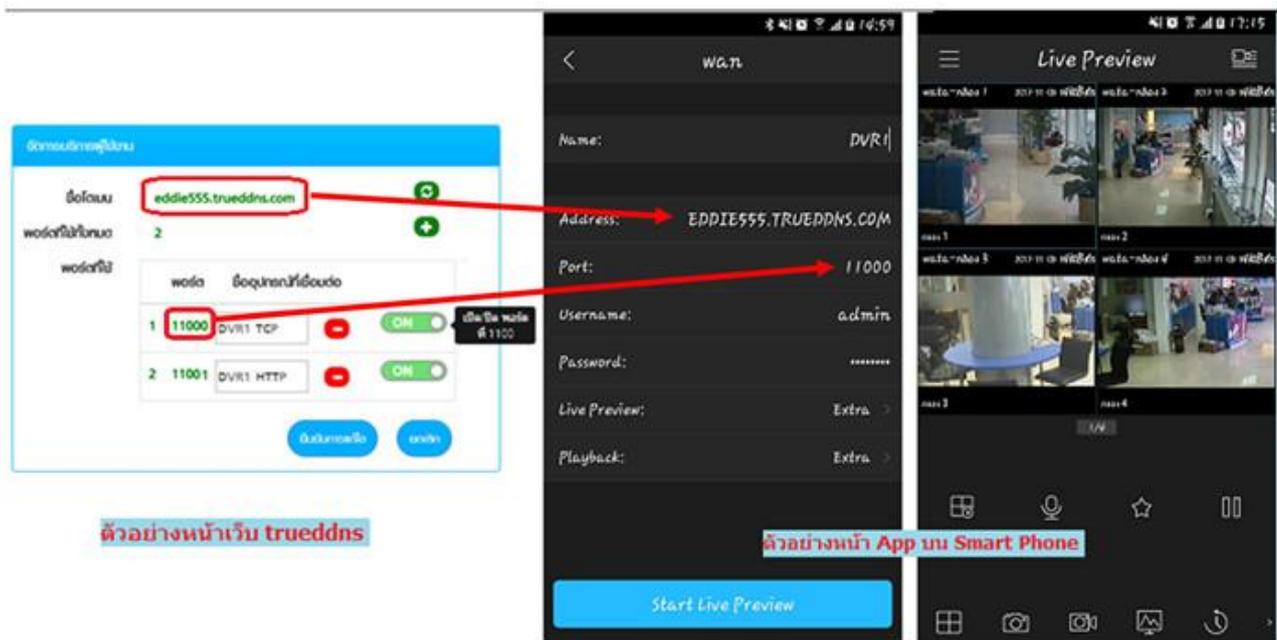


## Overall settings



## Test using via Mobile Internet or Internet that is different from at home

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



### 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 camera's Web page

