

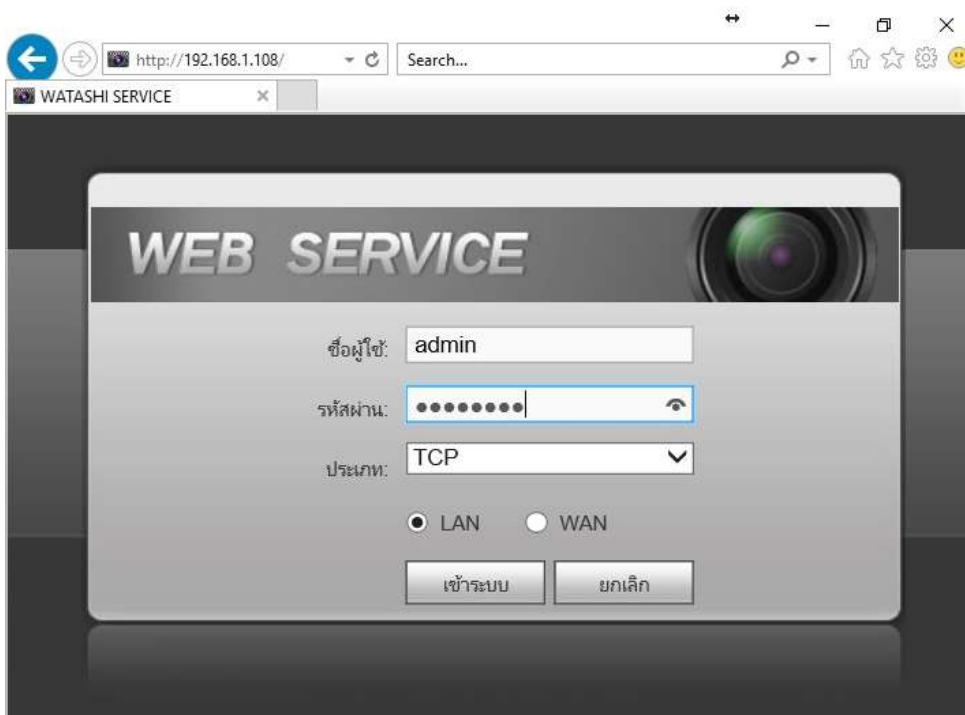
Set up HUAWEI HG8247H to use True DDNS with CCTV

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

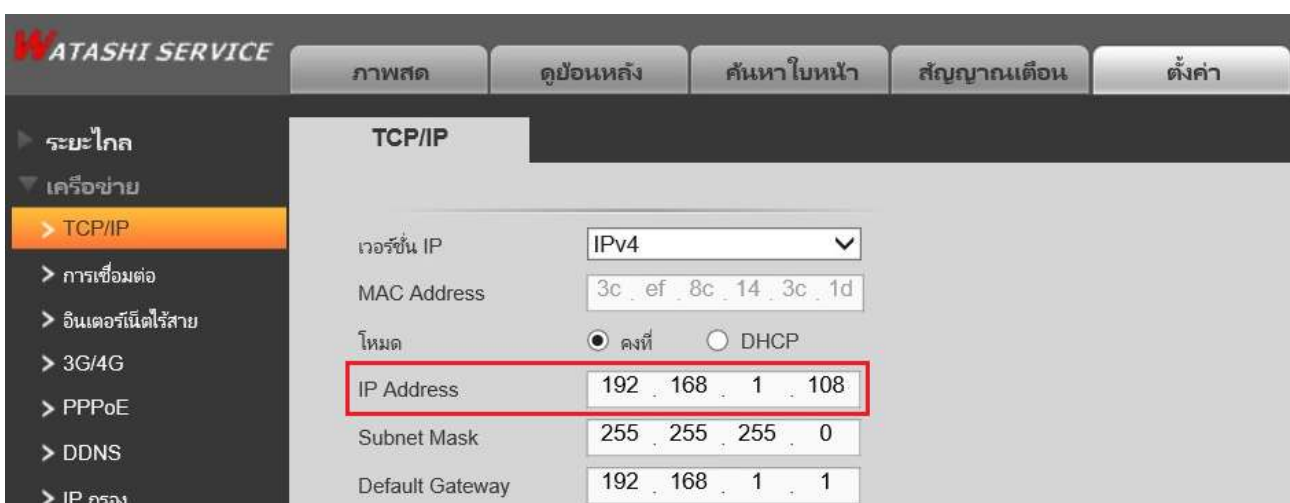
1.1. Check the settings at DVR that used to record video from all cameras in house (example: Watashi CCTV)

- 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



1.2. To check IP Address , select Setting > Network > TCP/IP: DVR IP Address is **192.168.1.108**



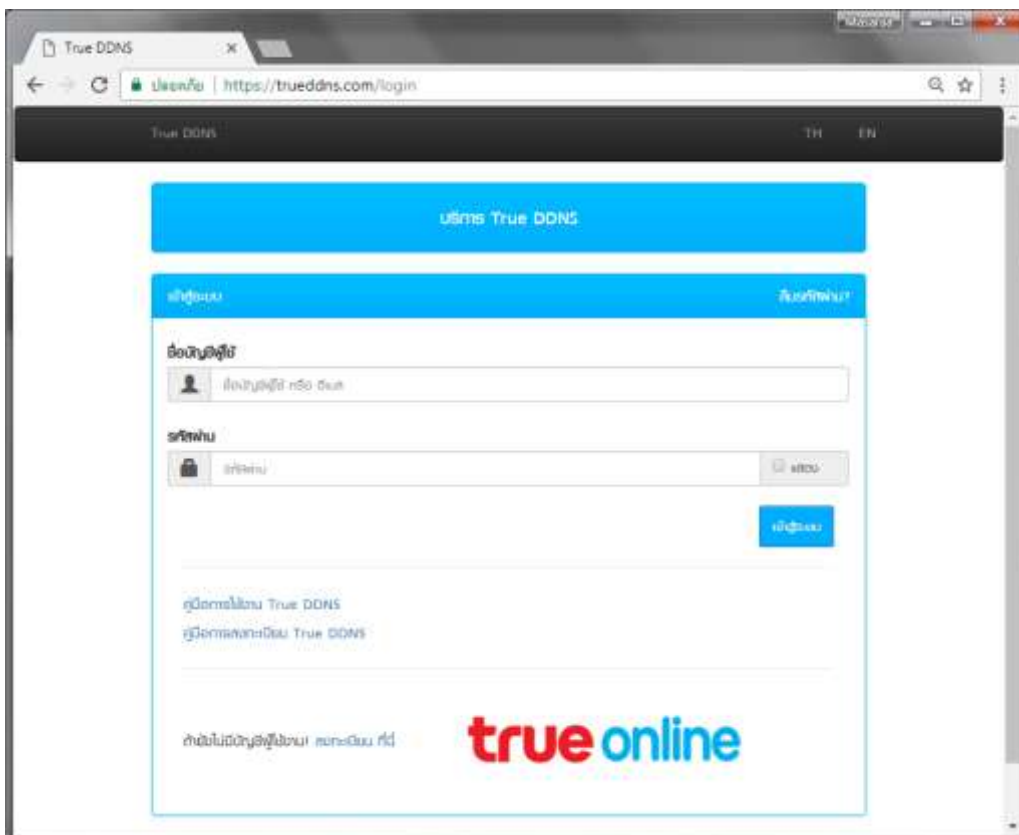
1.3. To check Port, select Setting > Network > Connection : most used Port is

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



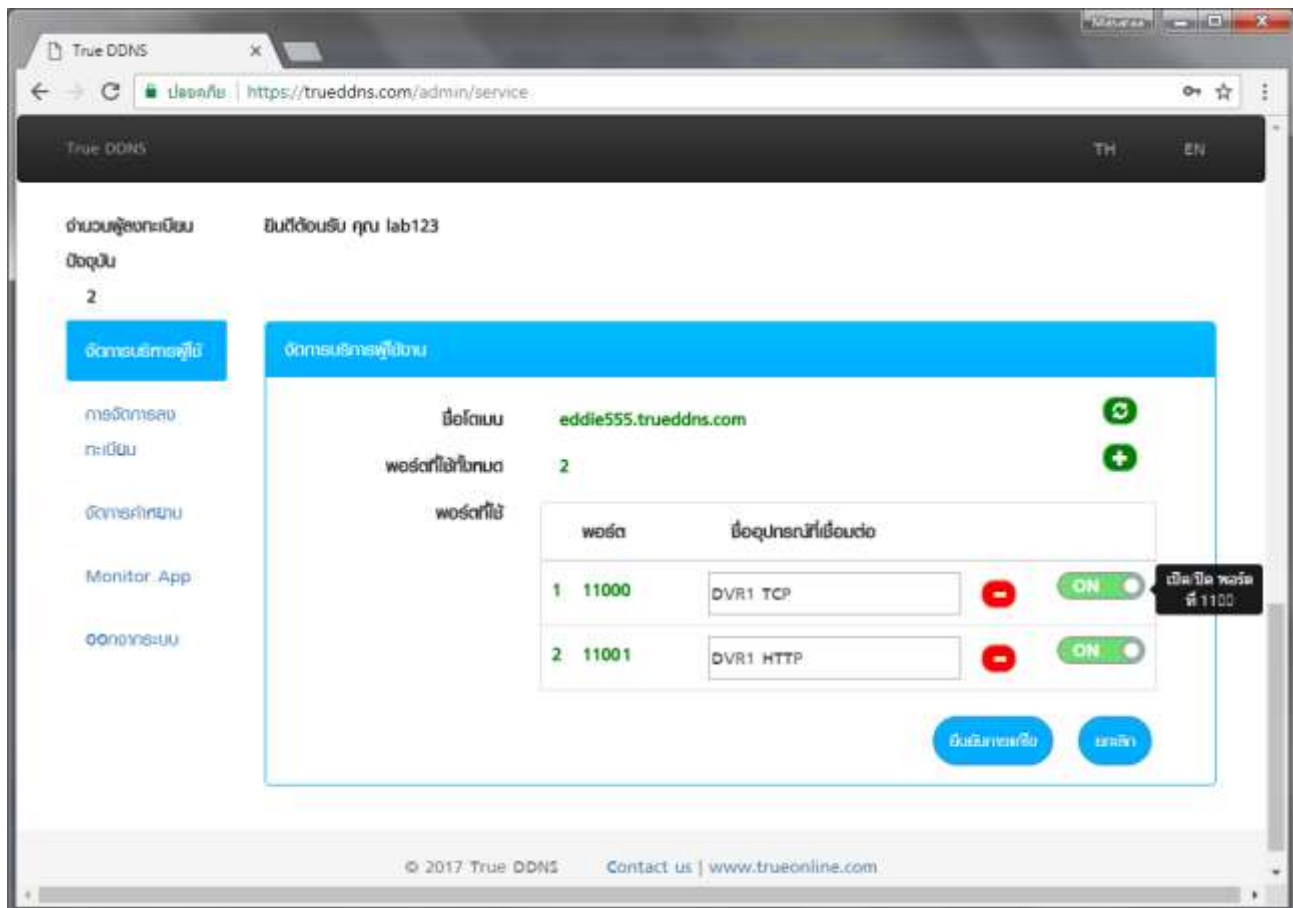
2. Go to True DDNS web to set up

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



2.2. 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**



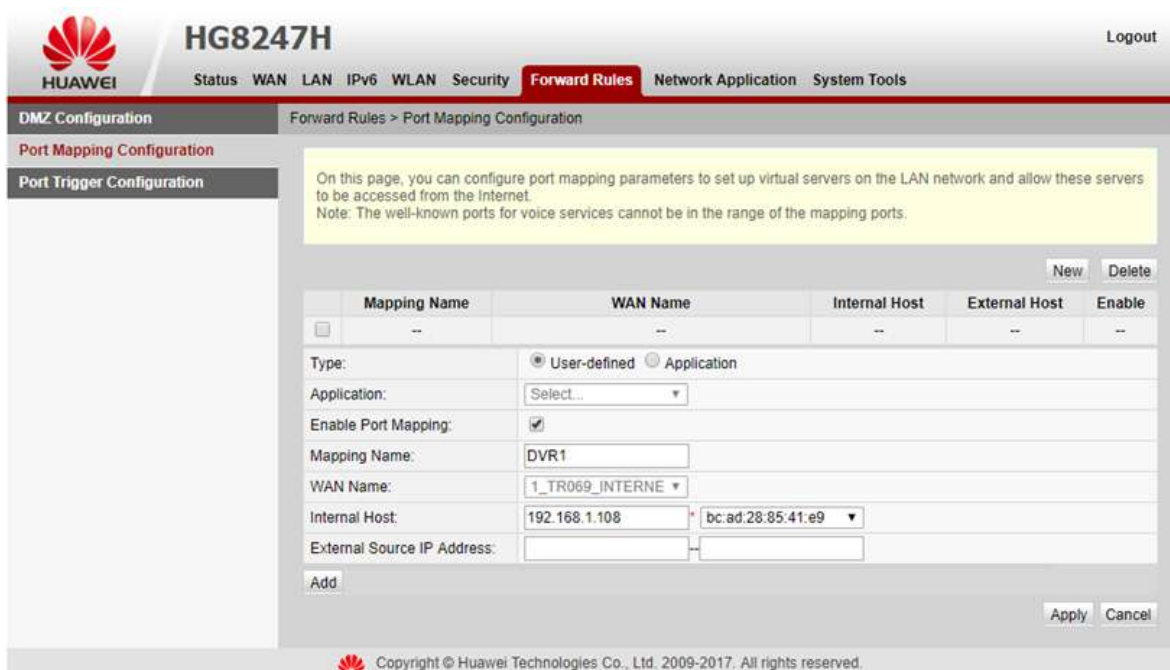
3. Set up Port Forwarding at Router

3.1. Type 192.168.1.1 Username = admin > Password = password



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

- Press New
- Type : select User-defined
- Enable Port Mapping : tick a check mark
- Mapping Name : enter device name (ex. DVR1)
- Internal Host : enter IP Address of device to forward Port
- External Source IP Address : leave it blank
- Press Add



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

3.3.1. TCP Port : 37777 to watch VDO 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

3.3.2. HTTP Port : 81 to watch VDO via Web Browser

- Protocol : select TCP/UDP
- Internal Port : enter Port 81
- External Port : enter 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 HG8247H web interface. The top navigation bar includes 'Status', 'WAN', 'LAN', 'IPv6', 'WLAN', 'Security', 'Forward Rules' (selected), 'Network Application', and 'System Tools'. The left sidebar 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 table of port mappings and form fields for adding new rules.

Mapping Name	WAN Name	Internal Host	External Host	Enable
--	--	--	--	--

Form fields for adding a new rule:

- Type: User-defined Application
- Application: Select...
- Enable Port Mapping:
- Mapping Name: DVR1
- WAN Name: 1_TR069_INTERNE
- Internal Host: 192.168.1.108
- External Source IP Address: bc:ad:28:85:41:e9
- Protocol: TCP/UDP
- Internal port number: 81
- External port number: 11000
- External source port number: 0

Buttons: New, Delete, Add, Apply, Cancel

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

Forward Rules > Port Mapping Configuration

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.

Mapping Name	WAN Name	Internal Host	External Host	Enable
<input type="checkbox"/> DVR1	1_TR069_INTERNET_R_VID_100	192.168.1.108	--	Enable

Type: User-defined Application

Application: Select...

Enable Port Mapping:

Mapping Name: DVR1

WAN Name: 1_TR069_INTERNET_R_VID_100

Internal Host: 192.168.1.108

External Source IP Address: bc:ad:28:85:41:e9

Protocol: TCP/UDP

Internal port number: 81

External port number: 11000

External source port number: 0

Protocol: TCP/UDP

Internal port number: 37777

External port number: 11001

External source port number: 0

Buttons: New, Delete, Apply, Cancel

4. Close DDNS setting at Router

4.1. Network Application > DDNS Configuration

Network Application > DDNS Configuration

On this page, you can set DDNS parameters, including the service provider, host name, service port, domain name to be updated, user name, and password.

WAN Name	Status	Service Provider	Domain Name
<input type="checkbox"/> 1_TR069_INTERNET_R_VID_100	Enable	dyndns	dyndns.org

Enable DDNS:

WAN Name: 1_TR069_INTERNET_R_VID_100

Service Provider: dyndns

Host Name: members.dyndns.org

Service Port: 80

Domain Name: dyndns.org

User Name: [Redacted]

Password: [Redacted]

Buttons: Apply, Cancel

4.2. Click a check mark in front of DDNS, if there're many rows, click all rows > press Delete

Network Application > DDNS Configuration

On this page, you can set DDNS parameters, including the service provider, host name, service port, domain name to be updated, user name, and password.

	WAN Name	Status	Service Provider	Domain Name
<input checked="" type="checkbox"/>	1_TR069_INTERNET_R_VID_100	Enable	dyndns	dyndns.org

Enable DDNS:

WAN Name: 1_TR069_INTERNET_R_VID_100

Service Provider: dyndns

Host Name: members.dyndns.org (1=255 characters)

Service Port: 80 (1=65535)

Domain Name: dyndns.org (1=255 characters)

User Name: [REDACTED] (1=255 characters)

Password: [REDACTED] (1=255 characters)

Apply Cancel

4.3. DDNS information will be deleted

Network Application > DDNS Configuration

On this page, you can configure the DDNS parameters, including: the service provider, the username and password, and the domain name that you want to update.

	WAN Name	Status	Service Provider	Domain Name
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New Delete

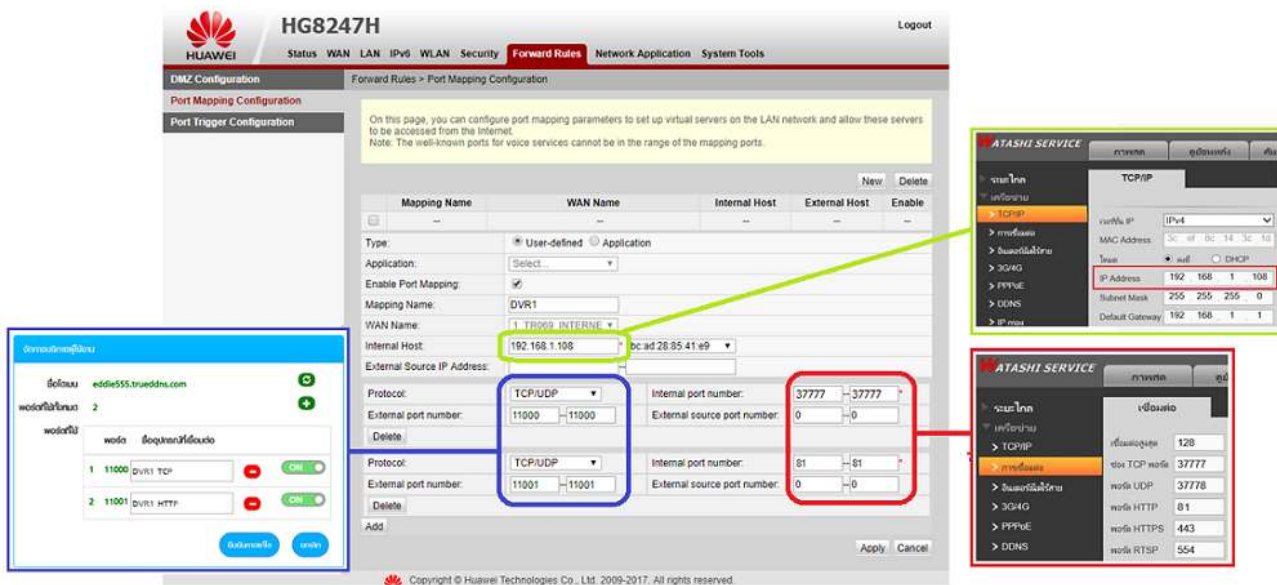
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5. Close DDNS settings at DVR

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

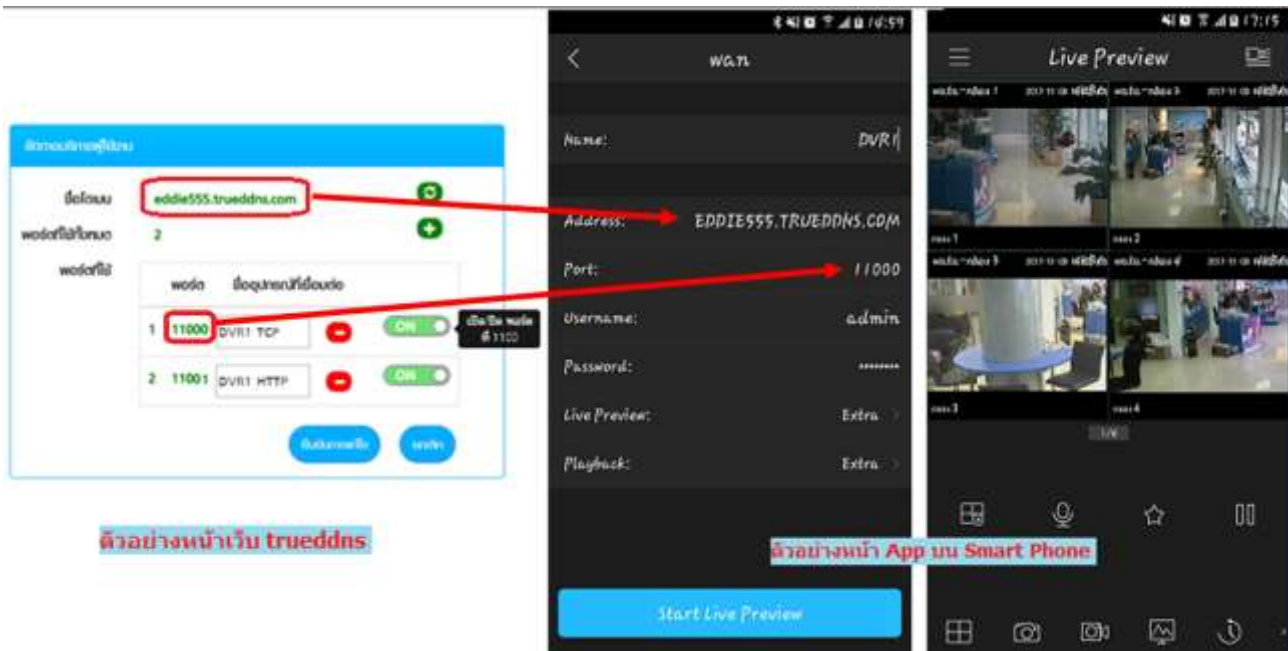


6. Overall settings



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

7.1. 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



7.2. 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

