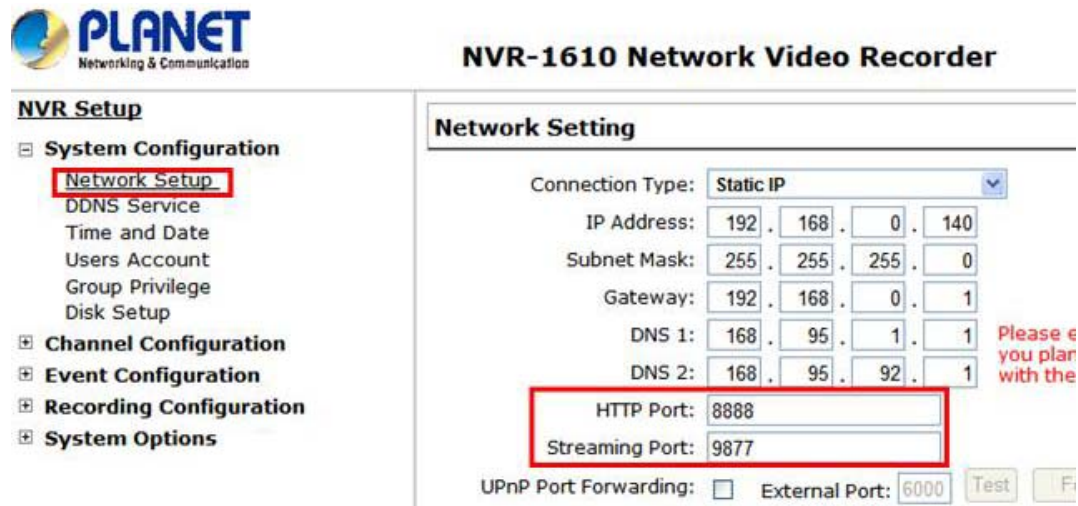


How to setup the port forwarding with NVR series?

While the remote user want to view the video from the NVR, but the NVR under the router, user have to set the port forwarding rule in the router, please follow the instruction as below to set your router, we use the NVR-1610 and AND-4000 for example.

Step1.

- (1) Go to NVR “System Configuration→Network Setup” page.
- (2) Set the HTTP Port to 8888, and the Streaming port to 9877.



PLANET
Networking & Communication

NVR-1610 Network Video Recorder

NVR Setup

- System Configuration
 - Network Setup**
 - DDNS Service
 - Time and Date
 - Users Account
 - Group Privilege
 - Disk Setup
- Channel Configuration
- Event Configuration
- Recording Configuration
- System Options

Network Setting

Connection Type: **Static IP**

IP Address: 192 . 168 . 0 . 140

Subnet Mask: 255 . 255 . 255 . 0

Gateway: 192 . 168 . 0 . 1

DNS 1: 168 . 95 . 1 . 1

DNS 2: 168 . 95 . 92 . 1

HTTP Port: 8888

Streaming Port: 9877

UPnP Port Forwarding: External Port: 6000 Test F

Please e you plan with the

Step2.

- (1) Go to your AND-4000 web-ui “NAT→Virtual Servers” page.
- (2) Key in the NVR HTTP Port 8888 and Streaming Port 9877.

Device Info

- Quick Setup
- Advanced Setup
 - Layer2 Interface
 - WAN Service
 - LAN
 - NAT
 - ALG
 - DMZ Host
 - Port Triggering
 - Virtual Servers**
 - Security
 - Quality of Service
 - Routing
 - DNS
 - DSL
 - Upnp

NAT -- Virtual Servers

Select the service name, and enter the server IP address and click "Save/Apply" to forward IP packets for this service to

NOTE: The "Internal Port End" cannot be modified directly. Normally, it is set to the same value as "External Port Start", then "Internal Port End" will be set to the same value as "Internal Port Start"
Remaining number of entries that can be configured:32

Use Interface:

Service Name:

Select a Service:

Custom Service:

Server IP Address: **Same as your NVR LAN IP-Address**

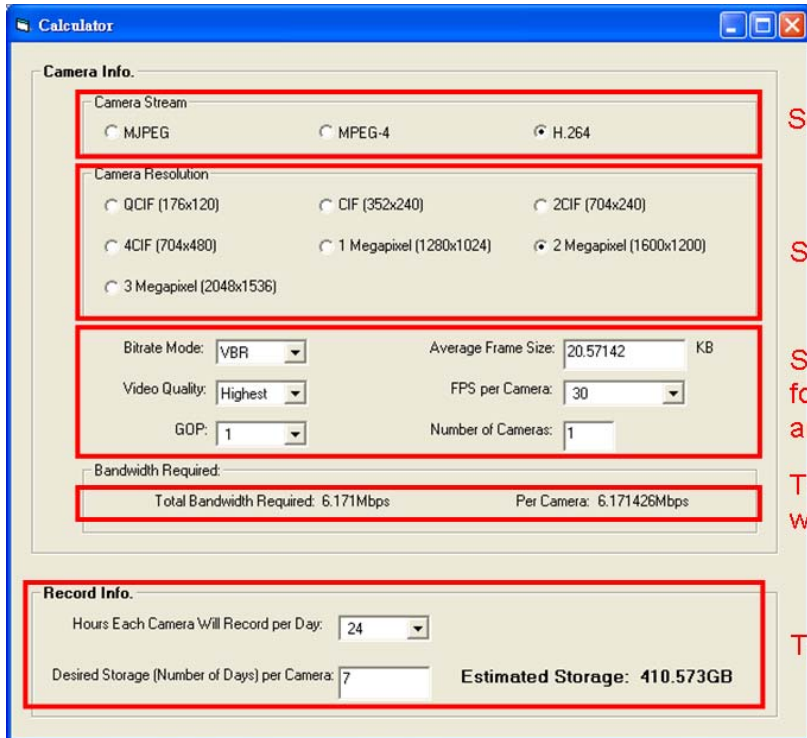
External Port Start	External Port End	Protocol	Internal Port Start	Internal Port End	Remote Host
8888	8888	TCP/UDP	8888	8888	
9877	9877	TCP/UDP	9877	9877	

Step3.

Use <http://WAN-IP-Address:8888> to access your NVR.

Note:

1. Due to the default web port of the NVR is port 80, this is the common port for many device, in order to avoid the port conflict, we recommend change the web port of NVR (e.g., 8008, 8888.)
2. If you use the statistic IP in the NVR, please notice the gateway must fill the ip address of router otherwise the port forwarding will be fail.
3. While you access the NVR successful through the router, due to the fluency and quality of video have effect by the firewall performance of router and your bandwidth. To ensure the video quality, before installed the cameras with NVR, we recommend you can download the **utility** for calculate how many bandwidth the cameras needed as below.



Camera Info.

Camera Stream
 MJPEG MPEG-4 H.264

Camera Resolution
 QCIF (176x120) CIF (352x240) 2CIF (704x240)
 4CIF (704x480) 1 Megapixel (1280x1024) 2 Megapixel (1600x1200)
 3 Megapixel (2048x1536)

Bitrate Mode: Average Frame Size: KB
Video Quality: FPS per Camera:
GOP: Number of Cameras:

Bandwidth Required:
Total Bandwidth Required: 6.171Mbps Per Camera: 6.171426Mbps

Record Info.

Hours Each Camera Will Record per Day:
Desired Storage (Number of Days) per Camera: **Estimated Storage: 410.573GB**

Select the stream codec

Select the resolution

Select the parameter for the quality of video and number of cameras

The necessary bandwidth will display

The recording information

*This value just for reference, please follow the real environment to adjust configuration for your NVR and IP cameras.