DAS Bytes - How to configure NAT on IDIS NVR

Part 2 - To access IDIS Lite Series camera's Web Page via IDIS NVR's Network Client Port

A – Registering IDIS Lite Series Camera in IDIS NVR

i. Camera Registration:

1. Register the IDIS Lite Series Camera in the IDIS NVR

Method: On **Live** Screen of the NVR > right click > select **Camera Registration** Click **Scan** > Manual Scan in latest f/w versions) > select Protocol > IDIS Lite > Mode (Auto Scan(LAN) > and click Scan.

2. Once the camera appears in the **Results** list on the left-hand side, click "Stop or Cancel" and right click on the camera and select "**Add Camera**."

Note down the IP Address of the camera displayed on the dialog box for the NAT Rule configuration.

Enter and confirm a complex password for the camera consisting of the following guidelines:-

The Password MUST

a/ Not be the same as the User ID
b/ use 8 – 16 characters.
c/ consist of at least 3-character types (upper, lower, digit, special)
(example: jA38v2c4 or a1##sb42)

The Password CANNOT CONTAIN:
- Number sequence (i.e., 123,321)
- alphabet sequence (i.e., abc, cba, ABC, CBA)
- repeating characters (i.e. 111, aaa, AAA)

A video image of the discovered camera is displayed in one of the quadrants on the right.

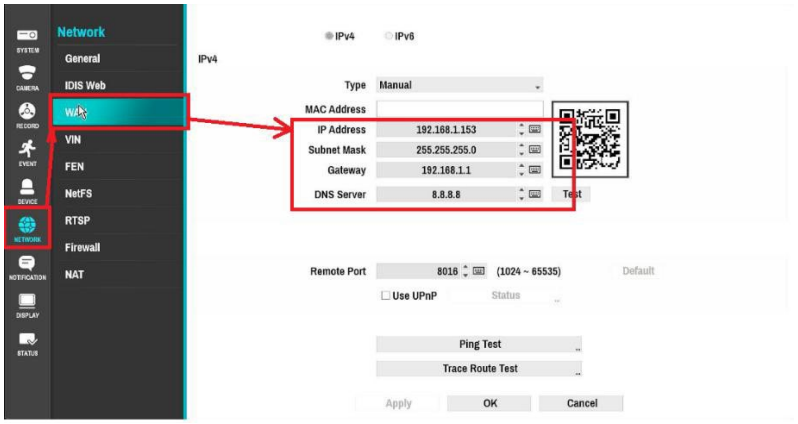
3. Select Apply.

B – Creating NAT Rules

i. Prerequisites:

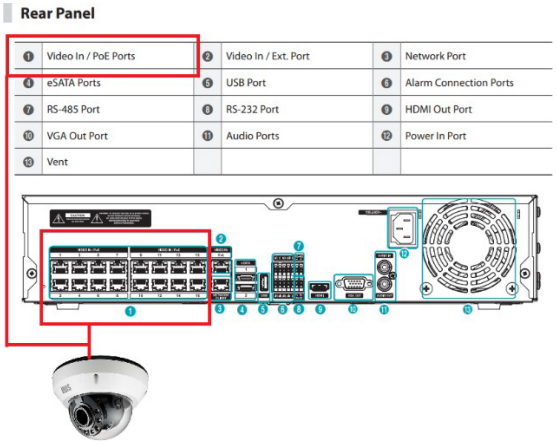
NVR Firmware
The IDIS NVR must be one of the following models:
a/ IDIS DR-25xx, DR-35xx, DR-65xx & DR-85xx NVR firmware must be v8.8.0 or above.
b/ To access the NVR Setup, Administrator privilege level is needed

NVR IP Address for Client Network port – WAN
a/ Best Practice – Fixed IP Address – ex: 192.168.1.153,

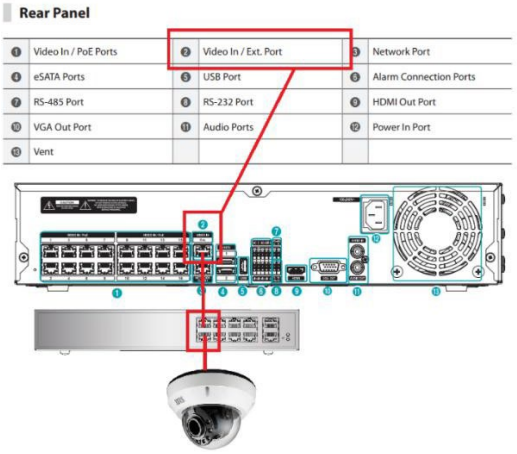


ii/ Physical Connectivity
The cameras can be connected to the NVR by either:-

a/ directly to a PoE port at the rear of the NVR

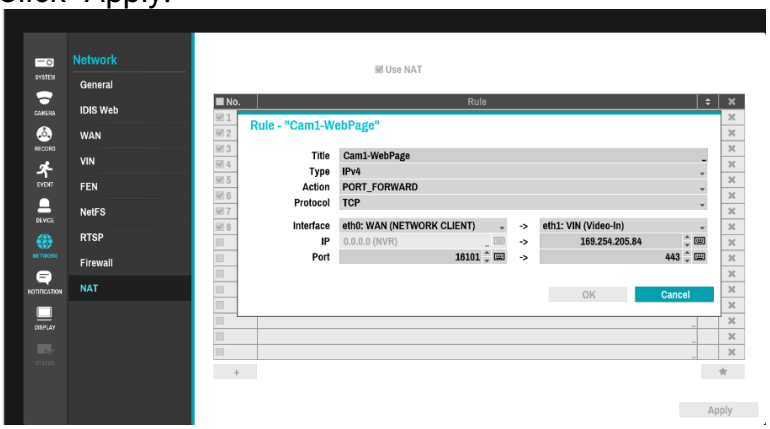


b/ via the NVR's Video-In (VIN) port using an ethernet switch for PoE power.



iii NAT Rule Configuration:

1. Refer to the Camera Registration step above – noting down IP address of camera. You will need this address to complete the next step, please refer to diagram below.
2. Navigate to NVR's Setup > Network > NAT
3. Click on check box and tick "Use NAT."
4. Click on the "+" sign to ADD a NEW RULE.
5. In the "Title" field delete Rule 1 and type a meaningful name for this camera
6. Select Type: IPV4
7. Select Action: PORT_FORWARD
8. Select Protocol: TCP
9. Select Interface:
   eth0: WAN (Network Client) > eth1: VIN (Video In)
   IP: 0.0.0.0 (NVR) > {IP address of the registered camera}
   Port: 16101 > 443
10. Click "OK"
11. Click "Apply."



C - PC Configuration to Access Web Page of Camera

i. Pre-requisite

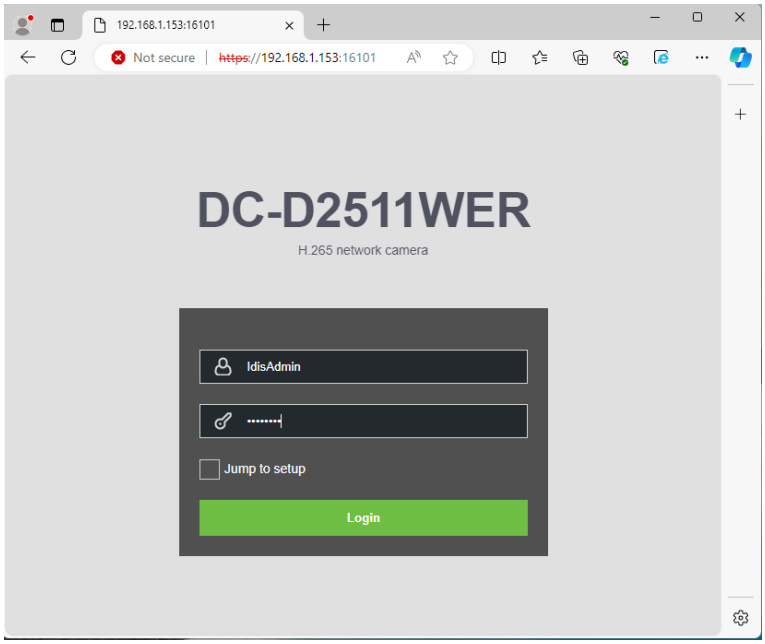
- IP address of the computer must be set to the same IP range as the NVR's WAN address (refer example in section B – NVR IP address for Client Network)
- Supported Web Browsers :
  Google Chrome v131.0.6778.108, Microsoft Edge v131.0.2903.63, Mozilla Firefox v133.0.x

ii. Method

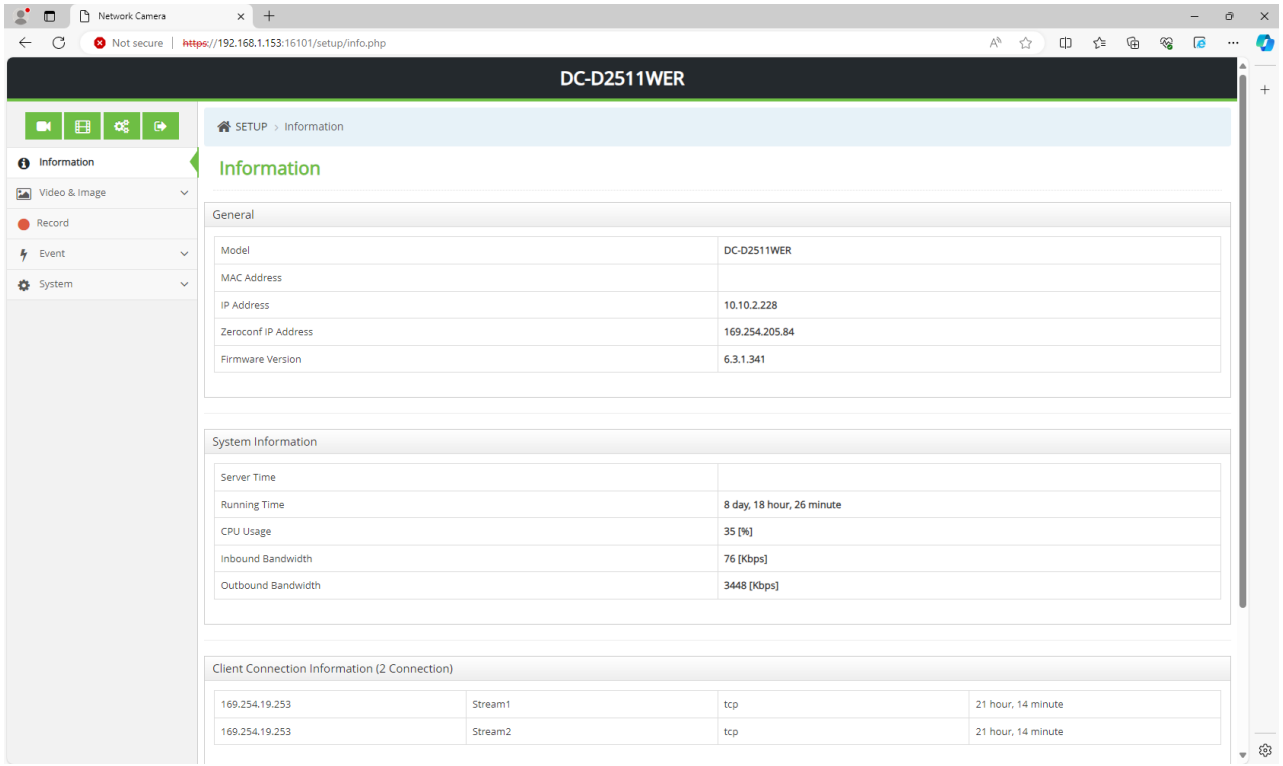
1. Start up the web browser

2. At the web browsers address bar enter "https://" and the NVR's WAN IP address together with the NAT port and hit enter on the keyboard - Ex: **https://192.168.1.153:16101**

3. The camera's login web page is displayed.
   Enter the username (IdisAdmin) and password (set in Camera Registration above) then click on Login. You can alternatively tick "Jump to Setup" to navigate to the camera's setup menu.



4. Once successfully logged in you can navigate to any part of the camera's web page. Below is a sample of the Information page for the example camera.



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