

Title:	Accessing Cameras Web GUI From DS-7716NI-SP/16				
Date:	06/06/2014	Version:	1.0	Pages	6
Product:	DS-7716NI-SP/16				
Action Required:	Information only				

When cameras are connected to the built-in POE switch of the DS-7716NI-SP/16 NVR, the cameras are on a separate network which is not accessible from a computer. In various situations there is a need to access the cameras directly. Before, the only way to access the cameras was to plug in the computer directly to the built-in POE switch, change the computer's IP address to match the camera network, and only then access the cameras.

Now there is a much easier way. The new firmware version V 3.1.0 allows direct access to the cameras without all the steps described above.

First, upgrade the firmware of the NVR to version v3.1.0. Connect the NVR to the network. Then log in to the NVR with a web browser.

Go to **“Configuration”** (Figure 1).

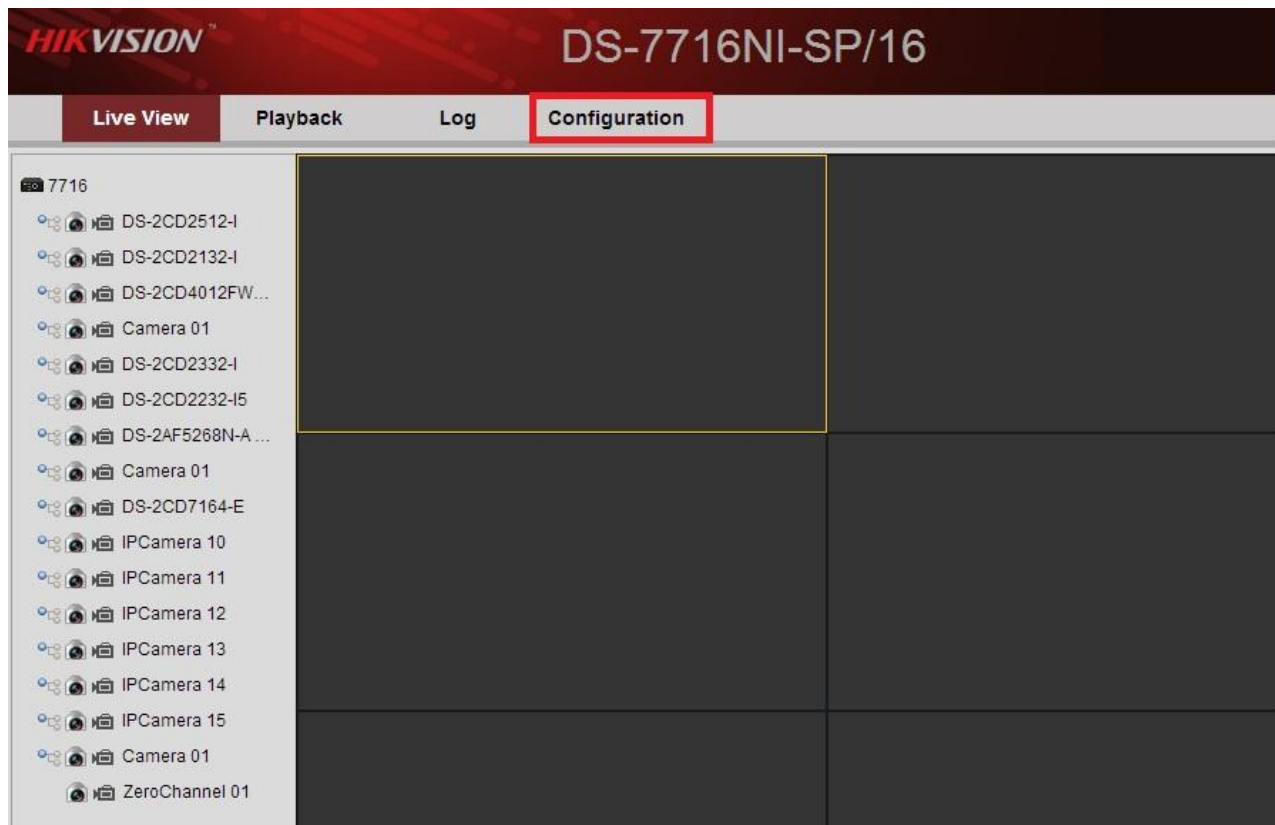


Figure 1

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From “Configuration” go to “Network Settings” (Figure2).

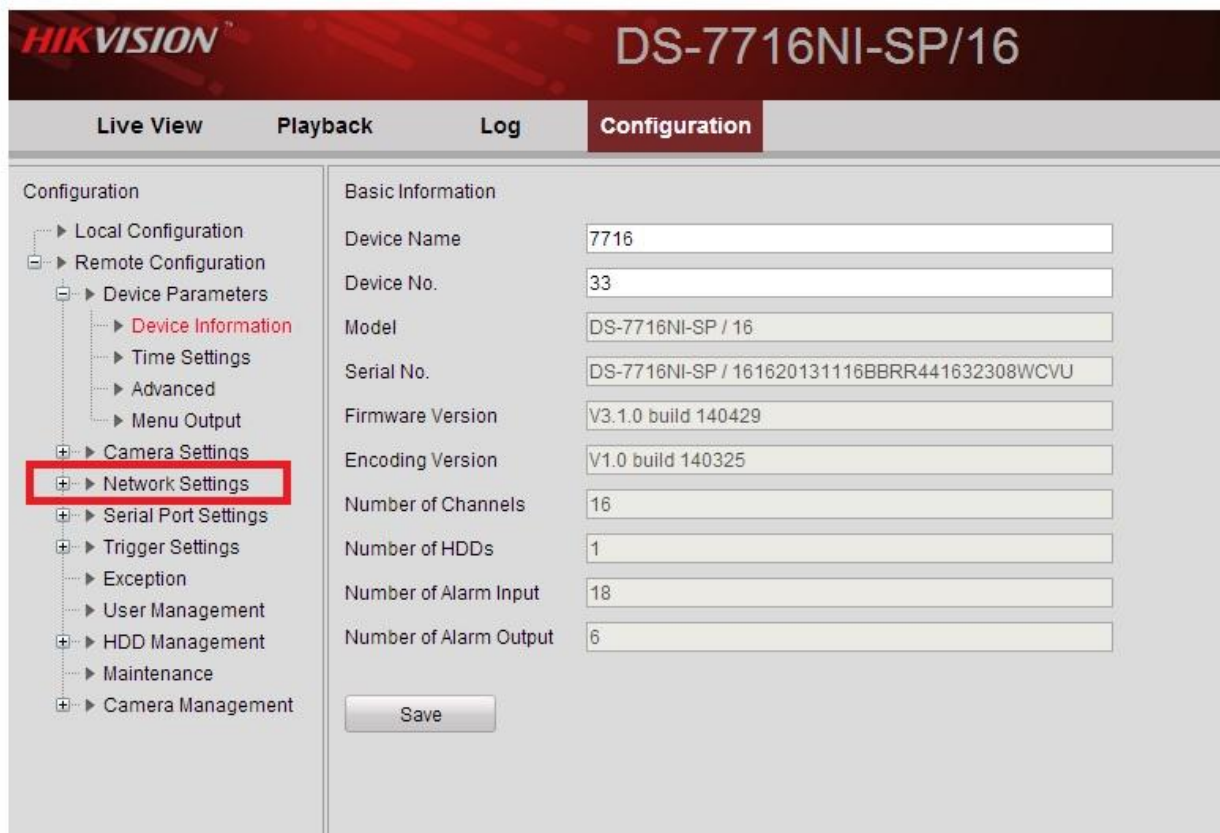


Figure 2

In network settings click on “Advanced” (Figure 3).

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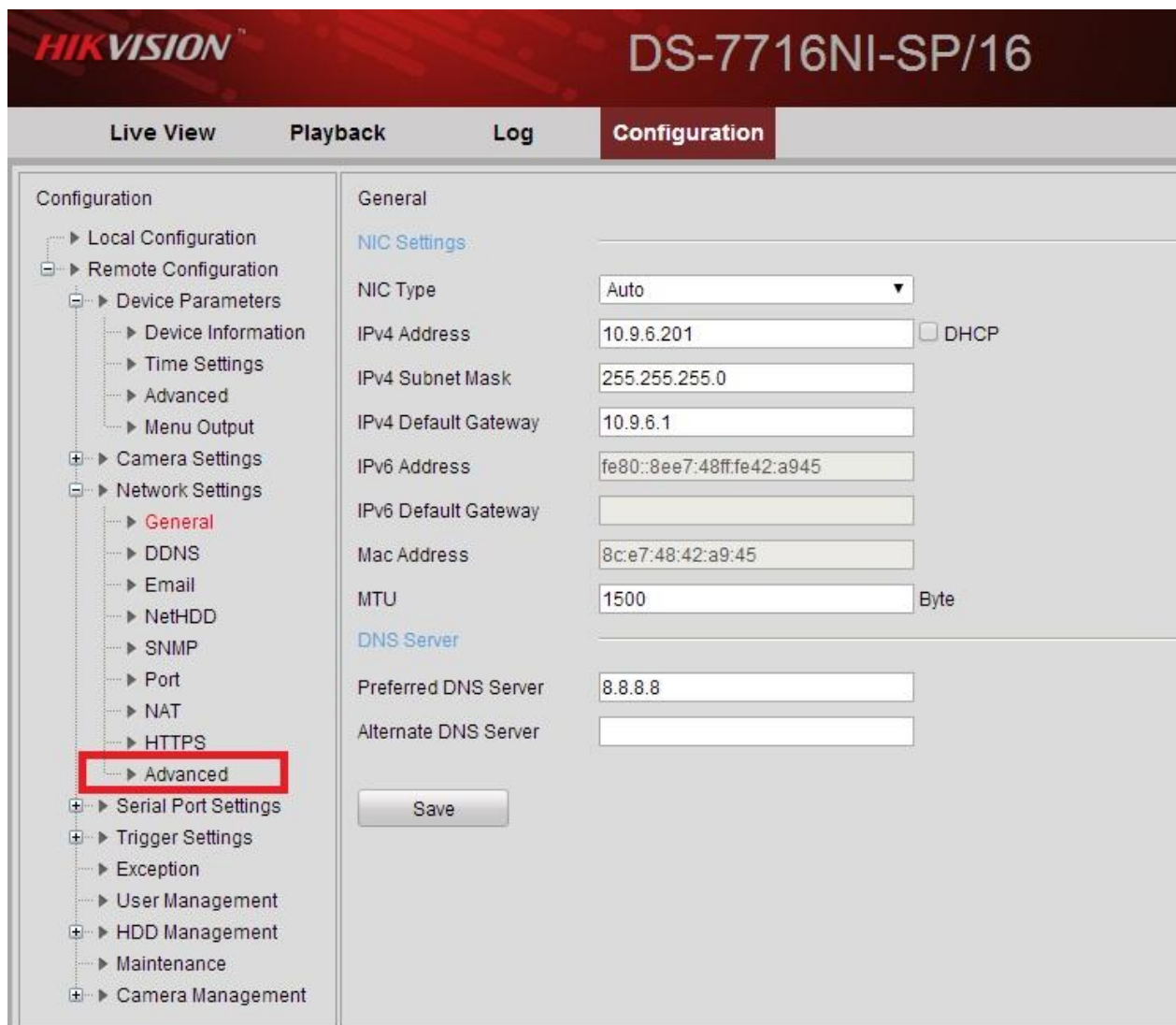


Figure 3

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In “Advanced” sub-menu, CHECK the “ENABLE VIRTUAL HOST” and press “SAVE” (Figure 4).

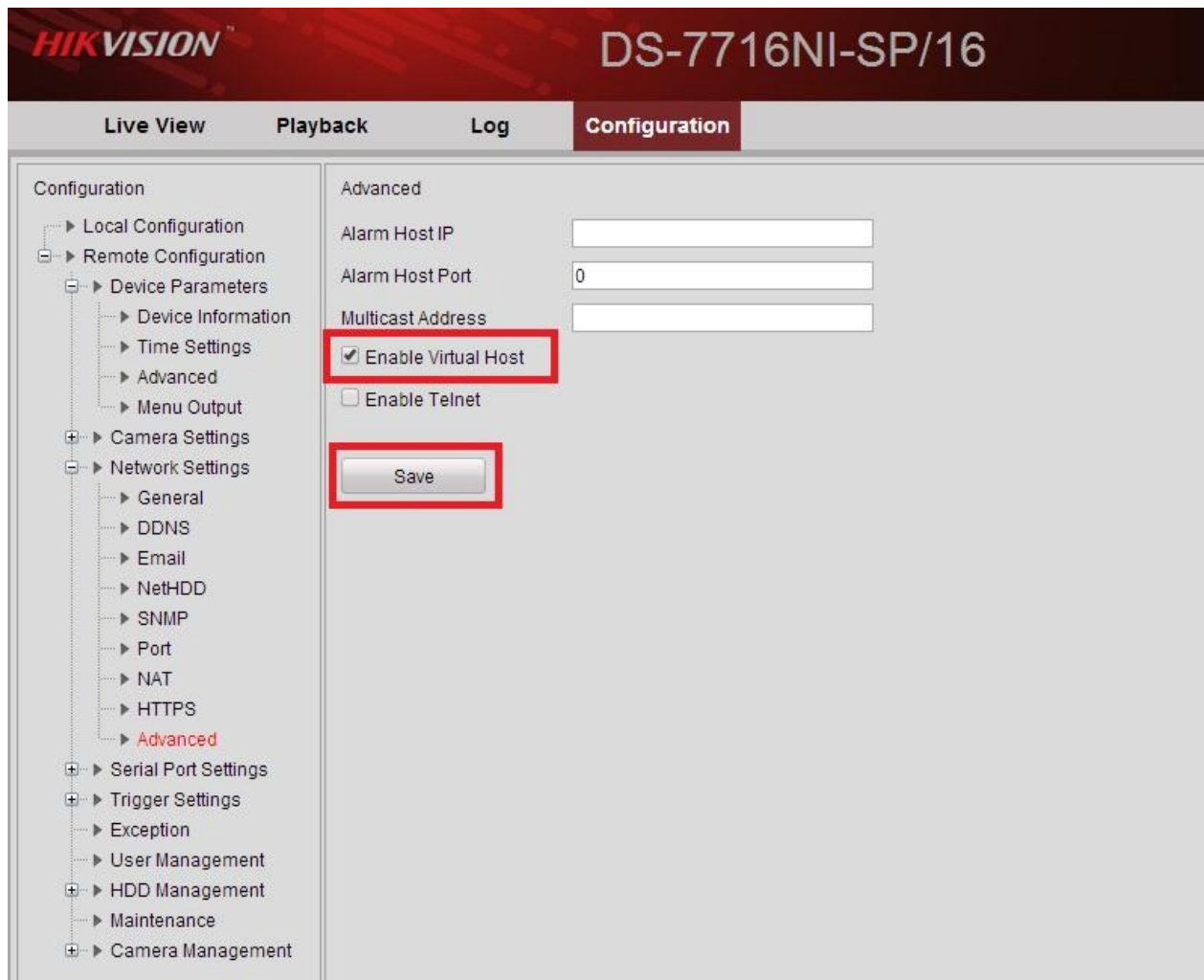


Figure 4

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Enabling the “**Virtual Server**” will create a NAT (Network Address Translation) policy within the NVR to translate the “internal” 192.168.254.XXX IP addresses to the NVR’s LAN IP with a port number reference. Ports begin at 65001 in an ascending order. So if the IP of camera #4 is 192.168.254.5, and the NVR’s LAN IP address is 10.0.10.74, then after enabling the “**Virtual Server**” the camera’s web GUI is accessible via <http://10.0.10.74:65004>

All the camera addresses can be found under the “**Camera Management**” menu in the Configuration. (**Figure 5 and 6**).

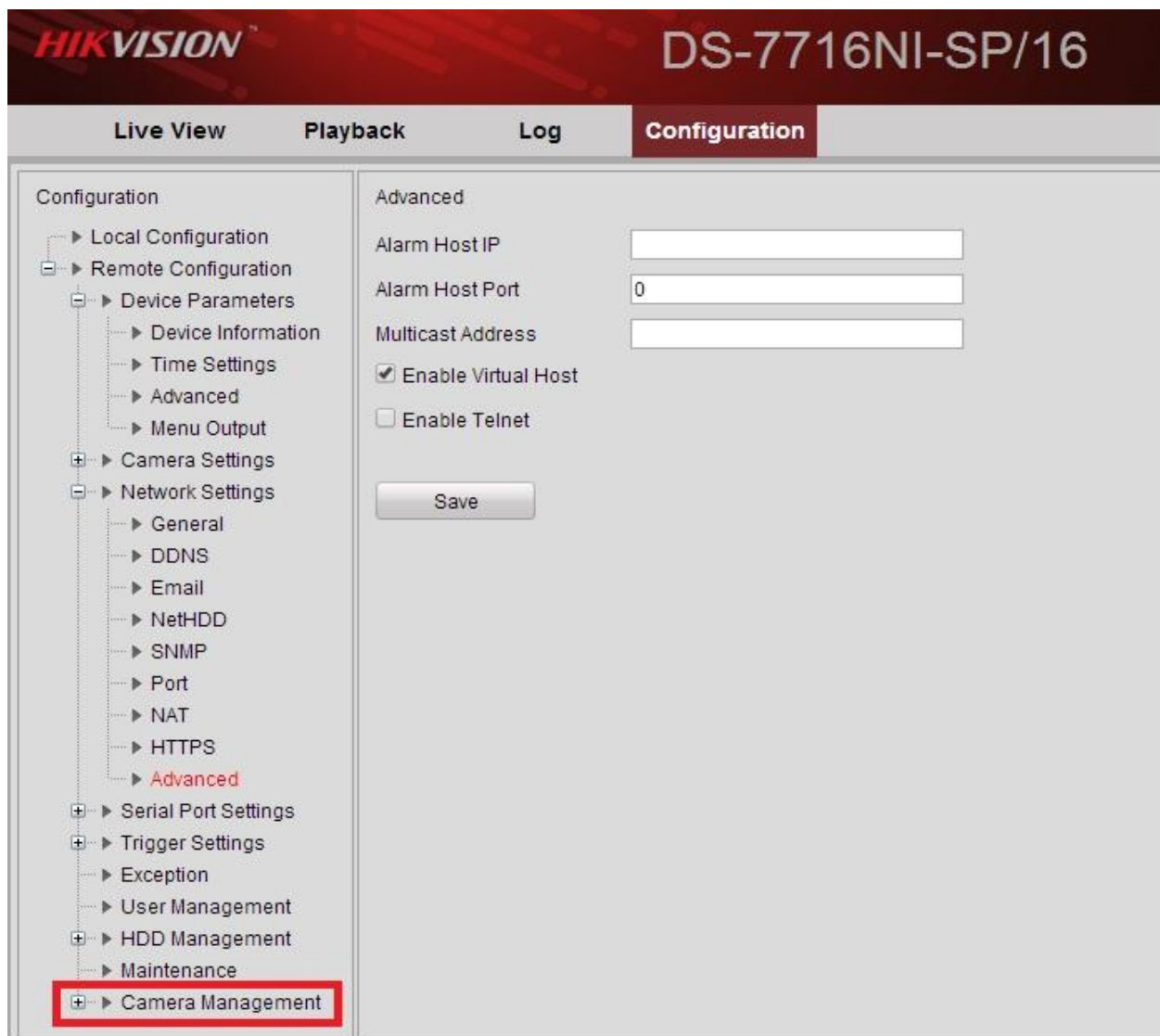


Figure 5

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The screenshot shows the 'Configuration' tab of the Hikvision DS-7716NI-SP/16 web interface. The left sidebar contains a tree view with 'IP Camera' selected under 'Camera Management'. The main area displays a table of IP camera configurations with columns for Channel No., IP Camera Address, Channel No., Management Port, Status, Protocol, and Connect. Buttons for 'Add', 'Modify', 'Delete', 'Quick Add', and 'Custom Protocol' are visible above the table.

Channel No.	IP Camera Address	Channel No.	Management Port	Status	Protocol	Connect
<input type="checkbox"/> D01	10.9.6.221	1	8000	Online	HIKVISION	http://10.9.6.201:65001
<input type="checkbox"/> D02	10.9.6.211	1	8000	Online	HIKVISION	http://10.9.6.201:65002
<input type="checkbox"/> D03	10.9.6.231	1	8000	Online	HIKVISION	http://10.9.6.201:65003
<input type="checkbox"/> D04	10.9.6.233	1	8000	Online	HIKVISION	http://10.9.6.201:65004
<input type="checkbox"/> D05	10.9.6.219	1	8000	Online	HIKVISION	http://10.9.6.201:65005
<input type="checkbox"/> D06	10.9.6.227	1	8000	Online	HIKVISION	http://10.9.6.201:65006
<input type="checkbox"/> D07	192.168.254.5	1	8000	Online	HIKVISION	http://10.9.6.201:65007
<input type="checkbox"/> D08	10.9.6.71	1	8000	Online	HIKVISION	http://10.9.6.201:65008
<input type="checkbox"/> D09	10.9.6.78	1	8000	Offline(Network Abnormal)	HIKVISION	http://10.9.6.201:65009
<input type="checkbox"/> D10	192.168.254.11	1	8000	Offline(IP camera does not exist)	HIKVISION	http://10.9.6.201:65010
<input type="checkbox"/> D11	192.168.254.12	1	8000	Offline(IP camera does not exist)	HIKVISION	http://10.9.6.201:65011
<input type="checkbox"/> D12	192.168.254.13	1	8000	Offline(IP camera does not exist)	HIKVISION	http://10.9.6.201:65012
<input type="checkbox"/> D13	192.168.254.14	1	8000	Offline(IP camera does not exist)	HIKVISION	http://10.9.6.201:65013
<input type="checkbox"/> D14	192.168.254.15	1	8000	Offline(IP camera does not exist)	HIKVISION	http://10.9.6.201:65014
<input type="checkbox"/> D15	192.168.254.3	1	8000	Offline(Network Abnormal)	HIKVISION	http://10.9.6.201:65015
<input type="checkbox"/> D16	192.168.254.7	1	8000	Offline(IP camera does not exist)	HIKVISION	http://10.9.6.201:65016

Figure 6