

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).

HIKVISION			DS-771	6NI-SP/1
Live View	Playback	Log	Configuration	
7716				
•:: 🙆 📾 DS-2CD2512	-1			
ೀ@) 💼 DS-2CD2132	-1			
ೀ 🗿 🛍 DS-2CD4012	FW			
🔩 🙆 📹 Camera 01				
ିଙ୍କ 🙆 🛍 DS-2CD2332	-1			
•18 🙆 📹 DS-2CD2232	-15			
•ા:: 👩 📹 DS-2AF5268N	J-A			
😋 🙆 📾 Camera 01				
•ા:: 👩 庙 DS-2CD7164	-E			
ଂନ୍ତ 🔊 🖻 IPCamera 10				
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°tamera 01 🖻				
👩 📹 ZeroChannel	01			

Figure 1

- 1 -Hikvision USA, Inc. 908 Canada Court, Industry, CA 91748 Phone: 909-895-0400 Fax: 909-595-0788 Email: <u>techsupport@hikvisionusa.com</u> Website: <u>http://www.hikvision.com</u>



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From "Configuration" go to "Network Settings" (Figure 2).

HIKVISION		DS-7716NI-SP/16			
Live View Plays	back Log	Configuration			
Configuration Local Configuration Remote Configuration Device Parameters Device Information Time Settings Advanced Menu Output Camera Settings Network Settings Device Information Network Settings Device Informa	Basic Information Device Name Device No. Model Serial No. Firmware Version Encoding Version Number of Channels Number of HDDs Number of Alarm Input Number of Alarm Output	7716 33 DS-7716NI-SP / 16 DS-7716NI-SP / 161620131116BBRR441632308WCVU V3.1.0 build 140429 V1.0 build 140325 16 1 18 6			

Figure 2

In network settings click on "Advanced" (Figure 3).



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HIKVISION		DS	-7716NI-	SP/16
Live View Play	back L	.og Config	uration	
Configuration	General NIC Settings NIC Type IPv4 Address IPv4 Subnet Masi IPv4 Default Gate IPv6 Address IPv6 Default Gate Mac Address MTU DNS Server Preferred DNS Se Alternate DNS Se	erver 8.8.8.8	1 55.0 7:48ff.fe42:a945	DHCP Byte



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

HIKVISION	· marei	DS-7716NI-SP/16
Live View P	layback Log	Configuration
Configuration Local Configuration Coal Configuration Coal Configuration Coal Configuration Coal Configuration Device Parameters Device Parameters Advanced Advanced Advanced Nenu Output Coal Coal Coal Coal Coal Coal Coal Coal	Enable Virtual Host Enable Telnet Save	

Figure 4

HIKVISION[™]

TECHNICAL BULLETIN

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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).

HIKVISION	and and a		DS-7716NI-SP/16
Live View	Playback	Log	Configuration
Configuration Local Configuration Configuration	nt nt	ost IP ost Port	

Figure 5



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Live View Playback Log Configuration								
Configuration	IP Camera							
 Local Configuration Remote Configuration 	Add	Modify	Delete	Quick Add Cust	om Protocol			
Device Parameters	Channel No.	IP Camera Address	Channel No.	Management Port	Status	Protocol	Connect	
Device Information	D01	10.9.6.221	1	8000	Online	HIKVISION	http://10.9.6.201:65001	
► Time Settings	D02	10.9.6.211	1	8000	Online	HIKVISION	http://10.9.6.201:65002	
 Advanced 	D03	10.9.6.231	1	8000	Online	HIKVISION	http://10.9.6.201:65003	
	D04	10.9.6.233	1	8000	Online	HIKVISION	http://10.9.6.201:65004	
⊶ ► Menu Output	D05	10.9.6.219	1	8000	Online	HIKVISION	http://10.9.6.201:65005	
⊕ - ► Camera Settings	D06	10.9.6.227	1	8000	Online	HIKVISION	http://10.9.6.201:65006	
Network Settings	D07	192.168.254.5	1	8000	Online	HIKVISION	http://10.9.6.201:65007	
🗄 🕨 Serial Port Settings	D08	10.9.6.71	1	8000	Online	HIKVISION	http://10.9.6.201:65008	
	D09	10.9.6.78	1	8000	Offline(Network Abnormal)	HIKVISION	http://10.9.6.201:65009	
Exception	D10	192.168.254.11	1	8000	Offline(IP camera does not exist)	HIKVISION	http://10.9.6.201:65010	
	🗌 D11	192.168.254.12	1	8000	Offline(IP camera does not exist)	HIKVISION	http://10.9.6.201:65011	
 User Management 	D12	192.168.254.13	1	8000	Offline(IP camera does not exist)	HIKVISION	http://10.9.6.201:65012	
HDD Management	🗌 D13	192.168.254.14	1	8000	Offline(IP camera does not exist)	HIKVISION	http://10.9.6.201:65013	
Maintenance	D14	192.168.254.15	1	8000	Offline(IP camera does not exist)	HIKVISION	http://10.9.6.201:65014	
🗄 🕨 Camera Management	D15	192.168.254.3	1	8000	Offline(Network Abnormal)	HIKVISION	http://10.9.6.201:65015	
► IP Camera	D16	192.168.254.7	1	8000	Offline(IP camera does not exist)	HIKVISION	http://10.9.6.201:65016	

Figure 6