

Title:	Accessing Cameras Web	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/	16	
Live View	Playback	Log	Configuration			
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•ස බ ⊯ DS-2CD233 •ස බ ⊯ DS-2CD2233	2-I 2-I5					
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°c3 (බ) № Camera 01 (බ) № ZeroChanne	101					

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" (Figure2).

HIKVISION	and a second	DS-7716NI-SP/16
Live View Play	back Log	Configuration
Configuration Local Configuration Remote Configuration Device Parameters Device Information Time Settings Advanced Menu Output Camera Settings Device Information Network Settings Device Information Network Settings Device Information Network Settings Device Information Device Information Network Settings Device Information Device Information Device Information Network Settings Device Information Device Information Devi	Basic Information Device Name Device No. Model Serial No. Firmware Version Encoding Version Number of Channels Number of Alarm Input Number of Alarm Output Save	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-7716N	I-SP/16
Live View Plays	oack Log	Configuration	
Configuration Local Configuration Remote Configuration Device Parameters Device Information Time Settings Advanced Menu Output Camera Settings Shetwork Sett	General NIC Settings NIC Type IPv4 Address IPv4 Subnet Mask IPv4 Default Gateway IPv6 Address IPv6 Default Gateway Mac Address MTU DNS Server Preferred DNS Server Alternate DNS Server	Auto 10.9.6.201 255.255.255.0 10.9.6.1 fe80::8ee7:48ff.fe42:a945 8c:e7:48:42:a9:45 1500 8.8.8	▼ DHCP Byte



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

HIKVISION	All and a	DS-7716NI-SP/16
Live View Pl	ayback Log	Configuration
Configuration Local Configuration Local Configuration Remote Configuration Device Parameters Advanced Advanced Menu Output Camera Settings Advanced Network Settings Camera Settings Set Network Settings Set Network Settings Set Network Settings Set NetHDD Set Nat NetHDD Set Nat NetHDD Set Nat Set Set Port Settings Set Set Port Set Port Settings Set Set Port	Advanced Alarm Host IP Alarm Host Port Multicast Address C 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).

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Live view	Ріаураск	Log	Configuration
Configuration	Advance Alarm H Alarm H Multicas Enab Enab	d ost IP ost Port t Address le Virtual Host le Telnet ave	

Figure 5



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HIKVISION		DS-	7716	NI-SP/16			
Live View Play	back Lo	og Configura	ation				
onfiguration	IP Camera						
 Local Configuration Remote Configuration 	Add	Modify	Delete	Quick Add Custo	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
Advanced	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
E 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
	D08	10.9.6.71	1	8000	Online	HIKVISION	http://10.9.6.201:65008
Figure Settings	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
P Exception	D11	192.168.254.12	1	8000	Offline(IP camera does not exist)	HIKVISION	http://10.9.6.201:65011
Oser 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