

Quick Installation Guide For ZMODO® NVR/IPC System



Step 1: Pre-Installation Preparations

1. The following devices and accessories should be included inside of the package:

(1) NVR

- (4) IP Network Cameras
- (4) Power Adapter for IP Camera
- (1) CAT5 Cable
- (1) Software CD
- (1) Quick Guide

2.Obtain the following basic network configuration information for your router:

IP address segment	Example: 192.168.1.XXX
Default gateway	Example: 192.168.1.1
Subnet mask	Example: 255.255.255.0
DNS Server	Example: 192.168.1.1
Wireless Network Name	Example: SSID
Wireless Security type	Example: WEP, WPA, WPA2, etc.
Encryption type	Example: AES, TKIP, Auto, etc.
Security Key(Wifi Password)	(XXXXXXXXX)

To find out the IP Address Segment, Default Gateway, and Subnet Mask, you will need to open the command prompt from a Windows PC that is connected to the same router that your NVR & IP Cameras will be connected to:

Open your command prompt by pressing the Windows key and R at the same time. Type in "cmd" in the run line and press "Enter."

In the new window that appears, type in "ipconfig" then press "Enter." Make note of your IPv4 Address, Subnet Mask, and Default Gateway. You will need this information later.

Step 2: Adjust Necessary ActiveX Settings in Internet Explorer

1.Open Internet Explorer from a Windows computer that is connected to the same router as the NVR and IP Cameras.

2.Click on the Gear Icon on the upper left hand corner, then select "Internet Options."

3.From the "Internet Options" page, click on the "Security" tab.

4.From the "Security" tab, click on "Custom Level..."

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Your most pop	β+CX ∎ tee x	Fore File Juan - Star forestinds Cale of our star Cale of	Internet Options General Security Physics Content Connections Programs Advant Select a zone to view or change security settings. Select a zone to view or change security settings. Local intravet Trusted sites Restricted Sites Internet This zone in for Internet websites, except from sites in trusted and restricted zones. Security level for this zone Cextom
Discours other stee Responsed to be	inne melet. Bar Respensited sension Britische Grouning	They sites	Custon settings. - To charpe the settings, did Custon level. - To use the recommended settings, did: Default level. I brake Protected Mode (requires restarting Internet Explorer) Custom level Reset al zones to default level OK Cancel Appl

5.You will now see a list of items that you can set to either Enable, Disable, or Prompt. If you see an option to Allow ActiveX Filtering at the top of the list, change this option to Disable.

6.Scroll down until you see the following three items, change all three of these items to Prompt: Download signed ActiveX controls Download unsigned ActiveX controls Initialize and Script ActiveX controls not marked as safe for scripting

Settings
Ownioad sgned ActiveX controls Osable Disable Disable (not secure) Osable (recommended) Osable (recommended) Disable (r
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Reset for an analysis for an

7.Click "OK" to exit this screen, then click "Apply" from the Internet Options page to save the changes you've made. ** These steps will need to be performed on every computer that you use to access your cameras online.

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192.168.0.104

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Device type	TP	Gateway
ZMD-NV-SBN4	192 168 1 102	192, 168, 1
ZMD-ISV-BEM26NM	192, 168, 1, 211	192, 168, 1,
ZMD-ISV-BFM26NM	192, 168, 1, 213	192, 168, 1,
ZMD-ISV-BFM26NM	192, 168, 1, 212	192, 168, 1,
ZMD-ISV-BFM26NM	192, 168, 1, 214	192, 168, 1,

4.Double Click on the IP Camera that you wish to configure, to enter the IPC Config menu.

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the IP field.

In the Gateway field, type in the same numbers that appeared as the Default Gateway in your ipconfig results. In the Sub Mask field, type in the same numbers that appeared as the Subnet Mask on your ipconfig results.

IPC Config		
Networking WIFI		C:\Windows\system32\cmd.exe
MAC	7c:dd:90:18:c8:9e	Windows IP Configuration
IP	192 . 168 . 1 . 211	Ethernet adapter Local Area Connection:
Gateway	192 . 168 . 1 . 1	Connection-specific DNS Suffix . : hsdl.il.concas Link-local IPv6 Address : fe80::6078:c95 IPv4 Address : 192.168.1.108 Subnet Mask : 255.255.255.0
Sub mask	255 . 255 . 255 . 0	Default Gateway : 192.168.1.1 Tunnel adapter isatap.hsd1.il.comcast.net.: Media State Media disconne
	Save	Connection-specific DNS Suffix .: hsd1.il.comcas

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Step 3: Configure Wireless Network Connection for IP Cameras

1.Connect one IP Camera to an empty LAN port on your wireless router using the included CAT5 network cable.

2.Insert the Software CD into a Windows Computer that is connected to the same router as the IP Camera is connected

3.Run the IPC Search tool program from the Software CD. The IPC search tool will search for connected IP Cameras on the local network. The initial factory setting of the four IP Cameras is 192.168.0.101, 192.168.0.102, 192.168.0.103, &

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						F	Refresh	Help	
Sub mask	MAC	Video number	Audio number	Alarm input	Alarm output	Intercom	Storage	Web port	T
255.255.255.0	04:5c:06:00:ad:2f	4	0	4	1	N	Y	80	
255.255.255.0	7c:dd:90:18:ce:9e	1	0	0	0	N	N	80	
255.255.255.0	7c:dd:90:1a:a3:23	1	0	0	0	N	N	80	
255.255.255.0	7c:dd:90:1a:95:04	1	0	0	0	N	N	80	
255.255.255.0	7c:dd:90:1a:94:fb	1	0	0	0	N	N	80	

etworking WIFI								
MAC	7c:dd:9	0:18	e:ce:9e	1				
IP	192	•	168	•	1	•	211	
Gateway	192	•	168	•	1	•	1	
Sub mask	255	•	255	÷	255	÷	0	

5.In the Networking tab of the IPC Config menu, you will need to change the settings of the camera to match your router

In the IP field, type in the same IP address that appeared as the IPv4 Address on your ipconfig results, but label the last three digits to a larger value such as 211. Each IP Camera must have a different set of last three digits of the address in Click "Save", then click the red X to exit out of the IPC Config menu.

6.Next, open an Internet Explorer browser and test this camera's connection. Type the IP Address as it appears in the IP field in the IPC Config menu into an Internet Explorer browser, including http:// at the front of the IP Address. The address that you type into the Internet Explorer browser should look similar to this: http://192.168.1.211

7.When Internet Explorer prompts you to allow add-ons, click "Allow" to run the necessary ActiveX controls.

8.If you see a Internet Explorer cannot display the webpage error, please back to IPC Search tool, repeat steps 4 - 6 and try entering a different set of three digits in the last segment of the IP Address when you save a new address in the IP field. If the browser loads for more than two minutes without arriving to a webpage, please open a new tab in Internet Explorer and try entering in the same IP Address in the address bar of the new tab. (Default username is admin, Default password is 111111)

9. Once you have established a wired connection and can view the camera from Internet Explorer, now back to IPC Search tool, double click on the IP Camera that you just saved networking settings on, and click on the "Wifi" tab. Select the check box to enable Wi-Fi. Next, manually set the IP Addr field, Subnet Mask field, and Gateway field to match the settings that appear in the Networking tab of the IPC Config menu.

Coning				_	_			-			
tworking WIFI											
Whethe	r to use WIFI	•									
Whether	to use DHCP										
	IP Addr	192		168	•	1	•	211			
	Subnet Mask	255		255		255	•	0			
	Gateway	192	•	168		1	•	1			
	MAC	7C:DE	90:90	:18:0	E:9	E					
Mai	in DNS Server	202		96		134	•	133			
Mino	or DNS Server	8	•	8		8	•	8			Submit
List of wireless net	work										
Name	Connection s	tatus	Sig	nal st	ren	gth	- 3	Encrypt		-	Add
CMCC-AUTO peytontest	Disconnected	d d	69% 84%			Encryp		Encrypted Encrypted		=	5 5
zmodooem	Disconnected	ł	67	%				Encrypted			Refresh
zmodo123456	Disconnected		74	%				Encrypted			
DWZO	Disconnecter	-	68	70				Encrypted		-	
DWLQ	Disconnected		00	10				chie ypteu			

10 Click "Refresh" and a list of available Wifi networks will appear in the list. Double click the name of the Wifi network to enter the WIFI Wireless Network Settings menu. From this menu, enter your Wifi password and click "Establish Connection.

Wireless Network	zmodooem		
Authentication Mode	WPA2 PSK Encrypted	*	
WEP Index	WEP key 1	Y	
Key Format	ASCII	Y	
Password			

11.Click "Refresh" on the WIFI Wireless Network Settings menu, your camera should now show Connection Status: Connected. You may need to click "Refresh" more than once before the Connection Status reads: Connected. Now, you may remove the network cable from the camera and the camera should continue to communicate with the router wirelessly

12.If the IP Address of the camera (as displayed on the IPC Search Tool) reverted back to its default setting of 192.168.0.XXX after removing the LAN cable from the camera, please repeat steps 4 - 11.

13.Repeat the above setup process for all remaining IP cameras so that all cameras can communicate wirelessly. Keep in mind that the last segment of each cameras' IP Address needs to be different to avoid an IP Address conflict.

Step 4: Configure NVR Network Setting

1.Power on the NVR and connect the NVR to an empty LAN port on your router using the included CAT5 network cable, and run the IPC Search tool program from a Windows PC that is connected to the same router as your NVR & IP Cameras.

2.The IPC search tool will search out the NVR which is connected to the router. The initial factory setting of the NVR is 192.168.0.10. Double click on the NVR to open the IPC Config menu.

3.In the IPC Config menu, you will need to change the settings of the NVR to match your router settings:

In the IP field, type in the same IP address that appeared as the IPv4 Address on your ipconfig results, but label the last three digits to a larger value such as 222.

In the Gateway field, type in the same numbers that appeared as the Default Gateway on your ipconfig results.

In the Sub Mask field, type in the same numbers that appeared as the Subnet Mask on your ipconfig results.



4.Click "Save" to save these settings. Then, write down the IP Address as it appears in the IP field. You will need to type this address into an Internet Explorer browser in order to access your NVR's user interface

Step 5: Connect IP Cameras to NVR

1.Before connecting IP cameras to NVR, make sure all IP cameras connected to power source and have configured IP address in previous steps

2.Powers on NVR, you will see the NVR log in interface, type in admin user name and password (Initial Default User: admin, Password: 111111)



3.Click "simple configuration" icon (the left one), and click the icon of "add or delete remote IPC devices" (the third one) in the next interface.



4.Click "auto add device" icon to automatically search the IP cameras in LAN. System will automatically add up to four cameras at one time. Just wait 5-10 seconds, the video footage from IP cameras will be automatically shown on the screen.







ActiveX controls.

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Enab	leAutoAdd Save	AutoAddDevi	ce click
nnel	IpAddress	ProductModel	Status
01			
02			
03			
04			
	Search DelDa	evice Manua IAdd	Refresh

5.Click "enable auto add" icon, and then click "save" to save parameters of these IP cameras on the NVR. A message stating "Parameters saved successfully" showing the data has been



Step 6: Live View Footage of IPC on Internet Explorer

1.Open an Internet Explorer browser and test the NVR's connection. Type the IP Address as it appears in the IP field in the NVR's IPC Config menu into an Internet Explorer browser, including http:// at the front of the IP Address. The address that you type into the Internet Explorer browser should look similar to this: http://192.168.1.222

2.When Internet Explorer prompts you to allow add-ons, click "Allow" to run the necessary

3. If the browser loads for more than two minutes without arriving to a webpage, please open a new tab in Internet Explorer and try entering in the same IP Address in the address bar of the new tab. (Default username is admin, Default password is 11111)

4. Once logged into the NVR from an Internet Explorer browser, click on one of the white empty squares to highlight that square in orange. Next, double click on one of the channel icons on the left side of the screen to designate that specific camera to the square that is currently highlighted in orange. Repeat this step for any remaining channels.