Table of Contents

I DDNS Configuration	2
Q1: What are the ports needs to be opened and forwarded on my IP sharing	
router or physical firewall?	2
Q2: What is the difference between DDNS and DNS service?	2
Q3: How shall I do to make DDNS connection working in my IP sharing/NAT	
network infrastructure? How to open necessary ports on IP sharing device	
and how to do port forwarding/port mapping?	3
Q4: How to register DDNS domain name on DDNS server?	8
Q5: After registered Domain name on DDNS server where and how shall I	
enter in DVR setup to make the DVR able to report current IP to DDNS	
server constantly?	9
(I)EB Series DVR Remote Console Setup	9
(II)NV/NX/SA/XR Series DVR Setup	14
Q6. How do I do if I found my Dynamic domain name is not working?	15
Q7: How shall I do if I can't access to http://ddns.avers.com.tw/?	17
Q8. How shall I do if I don't know the IP of DNS server of my ISP?	19
(I)EB Series DVR Network Setup	19
(II) NV/NX/SA Series DVR Network Setup	20
II DVR Network Setup	23
Q9. How to configure DHCP on DVR server?	23
(I)EB Series DVR Network Setup	23
(II)NV/NX Series DVR Network Setup	25
Q10. How to configure Static IP on DVR server?	27
(I)EB Series DVR Network Setup	28
(II)NV/NX Series DVR Network Setup	29
Q11. How to setup PPPOE on DVR server?	31
(I)EB Series DVR PPPOE Network Setup	31
(II)NV/NX Series DVR Network Setup	37

I DDNS Configuration

Q1: What are the ports needs to be opened and forwarded on my IP sharing router or physical firewall?

Answer1:

Following is the table for the ports usage and variable needs to be opened and mapped/forwarded on your IP sharing router or firewall

Usage	Port#	Variable
Remote Console	80	Yes (Under Network setup)
Web Viewer	80	Yes (Under Network setup)
СМ3000	80	Yes (Under Network setup)
Firmware Update	5005	Yes (Under Network setup)
DVR DDNS (Upload / Download)	53/1053	Ν

Q2: What is the difference between DDNS and DNS service?

Answer 2:



DNS is a service that maps Internet domain names to IP addresses. DDNS serves a similar purpose to DNS: DDNS allows anyone hosting a Web or FTP server to advertise a public name to prospective users.

DDNS (Dynamic Domain Name Service) is a data query service mainly used on the Internet for translating domain names into Internet addresses. It allows remote clients to intelligently search dynamic servers without any previous enquiring for servers' Internet addresses.

Unlike DNS that only works with static IP addresses, DDNS works with dynamic IP addresses, such as those assigned by an ISP or other DHCP server. DDNS is popular with home users, who typically receive dynamic, frequently-changing IP addresses from their service provider.

To use DDNS, one simply signs up with a provider and installs network software on their host to monitor its IP address.

Compared to ordinary DNS, the disadvantage of DDNS is that additional host software, a new potential failure point on the network, must be maintained.

Q3: How shall I do to make DDNS connection working in my IP sharing/NAT network infrastructure? How to open necessary ports on IP sharing device and how to do port forwarding/port mapping? Answer 3:



Before using DDNS service on DVR please make sure TCP and UDP Ports 53 and 1053 are opened on router or firewall and map to DVR LAN IP first thus DVR could report the correct WAN IP under NAT infrastructure.

Please make sure set the necessary settings on your router before you start to use the Internet (Please refer to the router user manual for more detailed information). For example, we are now using a D-Link router.

Please make sure to open the following port before using the DDNS service :

DDNS (Dynamic IP) →Please open 53 and 1053 port and port forward or port map to the DVR LAN IP

Step 1:

Please enter the IP address of your router in the Internet Explorer address column, to set the settings in the router.



Step 2:

Go to **Advanced**. Select **Enabled** and type a name whatever you want in **Name column**. Type the LAN IP address which belongs to your DVR machine in **Private IP column**. Select **Both** in **Protocol type column**.

Type the number **53** in both **Private** and **Public port column**. Select **Always** in **Schedule column**. Finally, please click **Apply** button to confirm the settings.

£D @ http://192.168.0.1/							
			B	roadband	VPN Rou	ter	
	Home	Advar	iced T	ools	Status	ŀ	lelp
	Virtual Server Virtual Server is u	ised to allow	Internet users ac d ODisabled	ccess to LAN ser	vices.		
Concerned in the second	Name	DDNS_1					
Virtual Server	Private IP	192.168.0	102				
(management)	Protocol Type	Both 😽					
Application	Private Port	53					
	Public Port	53					
Filter	Schedule	(a) Always					
Firewall		O From	Time 00 💌 day Sun 💌	: 00 💌 To 00 🔹 to Sun 💌	/: 00 💌	2	
SNMP						- 63	0
					Apply	Cancel	Help
DDNS							
	Virtual Server	List	Privata IP	Protocol	Schodulo		
Routing	Virtual Serve	FTP	0.0.0.0	TCP 21 / 21	always		N
	Virtual Serve	HTTPS	0.0.0.0	TCP 443/443	alwavs		
DMZ	Virtual Serve	DNS	0.0.0.0	UDP 53/53	alwavs		
	Virtual Serve	SMTP	0.0.0.0	TCP 25 / 25	alwavs		
	Virtual Server	POP3	0.0.0.0	TCP 110 / 110	alwavs		
	Virtual Serve	Telnet	0.0.0.0	TCP 23/23	alwavs		
		84014	4024020402	D-#-00/00			

Step 3: Click Continue

網址(D)	Attp://192.168.0.1/	
	D-Link Building Networks for People	DI-804HV Broadband VPN Router
		The device is restarting

Step 4:

Go to **Advanced**. Select **Enabled** and type a name whatever you want in **Name column**.

Type the LAN IP address which belongs to your DVR machine in **Private IP** column. Select **Both** in **Protocol type column**.

Type the number **1053** in both **Private** and **Public port column**. Select **Always** in **Schedule column**. Finally, please click **Apply** button to confirm the settings.

			Broadband	VPN Route	r
	Home	Advanced	Tools	Status	Help
	Virtual Server Virtual Server is u	used to allow Internet us	ers access to LAN se	rvices.	
and the second s		💿 Enabled 🔘 Disa	bled		
	Name	DDNS_2			
Virtual Server	Private IP	192.168.0.102			
Terror and	Protocol Type	Both 💌			
Application	Private Port	1053			
	Public Port	1053			
Filter	Schedule	(Always			
		O From Time	00 🗸 00 🗸 To 00 🛉	✓ 00 ✓	
Firewall		day Su	in 💌 to Sun 💌		
SNMP				(2)	0
				Apply Cr	ancol Holp
DDNS				Apply Co	incer neip
	Virtual Server	List	-		
Routing	Name	Private IF	Protocol	Schedule	1
	virtual serve	rfip 0.0.0.0	TCP 217 21	aiways	
	Virtual Serve	r HTTPS 0.0.0.0	TCP 443/443	always	<u> </u>
DMZ	Virtual Serve	r DNS 0.0.0.0	UDP 53753	always	
	Virtual Serve	r SMTP 0.0.0.0	TCP 25/25	always	📝 🚺
	Virtual Serve	r POP3 0.0.0.0	TCP 110/110	always	📝 间
	Virtual Serve	r Telnet 0.0.0.0	TCP 23/23	always	🖂 📋



網址① 🍓 http://192.168.0.1/

D-Link	DI-804HV
Building Networks for People	Broadband VPN Router
	The device is restarting

Step 6:

You will see two settings (about the 53 and 1053 settings we just set in the **Advanced** page previously.) in the Virtual server option. Please make sure the two settings were selected and enabled thus your DDNS ports are forwarded to your DVR LAN IP.

	Private Port				
Filter					
	Schedule O Alv	vays			
Firewali	O Fro	om Time 🔍 🗙			
		day Sun 🞽	to Sun 🞽		-
SNMP				V 🕗	67
				Apply Cancel	Help
DDNS					
	Virtual Server List	D.1	Dustantel	O charalada	
Routing	Virtual Server ETP	Private IP	TCP 21 (21	Schedule	
	Virtual Server HTTPS	0.0.0.0	TOP 443 (443	always	
DMZ	Virtual Server DNS	0.0.0		always	
	Virtual Server DNS	0.0.0	TCD 25/25	always	
	Virtual Server SMTP	0.0.0.0	TCP 237 23	always	
	Virtual Server FOF3	0.0.0	TOP 110/110	always	
		0.0.0	TCP 23723	aiways	
	VvebCam	192.168.0.102	Both 80/80	aiways	
	Remote_AP_2	192.168.0.102	9091	always	L2 🔟
	Remote_AP_1	192.168.0.102	Both 9090 / 9090	always	📝 📋
	DDNS_1	192.168.0.102	Both 53 / 53	always	📝 📋
		1921680102	Both 1053 /	alwave	D 🏹

Step 7:

Please make sure you did not set the 53 and 1053 port in the Filter option or it will block the 53 and 1053 port.

D 🙆 http://192.168.0.1/							
	IP Filters MAC Filters	OURL Blockir ODomain Blc	ng OIPSec F ocking	accessing me ma ilter	anner.		
Virtual Server	IP Filter Use IP Filters to a	deny LAN IP ad	Idresses to acces	s the Internet.			
Application		O Enabled	I () Disabled				
	IP Address		-				
Filter	Port Range		-				
(Internet in the second se	Protocol	тср 💌					
Firewall	Schedule	O Always					
SNMP		O From	Time 00 💉 0		00 ⊻		
DDNS					V	<u></u>	<u> </u>
Routing					Apply	Cancel	нер
Kouring	IP Filter List						
	IP Rang	е	Protocol	Schedule			
DMZ	· · ·		TCP 20-21	always			
	*		TCP 80	always			🕑 📋 📗
	*		TCP 443	always			20
			UDP 53	always			🛛 🖬 🚺
	□ *		TCP 25	always			
			TCB 110	alwave			
			TOFILU	amayo			

Step 8:

Please also make sure you have allowed the 53 and 1053 port in Firewall option or it will block those two ports thus the ports 53 and 1053 are opened on your router

Firew	wall Rules vall Rules can be used to allow	/ or deny traffic fr	om passing throug	h the DI-804HV.	
and the second s	OEnabled ODis	abled			
Nam	ie 🖉				
Virtual Server Actio	n OAllow ODeny				
	Interface IP Start	IP End	d Protoc	ol Port Range	
Application Sour	rce 🔹 💌				
Dest	ination 🔹 🔽		TCP	Image: 1	
Filter					
	auule O Always				
Firewall	O From T	ime 00 💌 : 00	To 00 💉 : 00 👔	*	
	d	ay Sun 🚩 to S	Sun 🔀		
			6	» 🙆 🖸	
SNMP			A r	only Cancel Helr	
SNMP			С Ар	🤌 🥝 🔂 ply Cancel Help	Þ
SNMP DDNS Firev	wall Rules List		С Ар	🤌 🤮 🛟 pply Cancel Help	p
	wall Rules List ction Name	Source	Ap Destination	Protocol	P
	wall Rules List xtion Name Jlow WebCam	Source WAN,*	Ap Destination LAN,*	Protocol *,80	p
SNMP DDNS Routing X A	wall Rules List ktion Name Jlow WebCam Jlow Remote_AP_2	Source WAN,* WAN,*	- Destination LAN,* LAN,*	Protocol *,80	P
SNMP DDNS Routing A A DMZ	wall Rules List ktion Name Ilow WebCam Ilow Remote_AP_2 Ilow Remote_AP_1	Source WAN,* WAN,* WAN,*	Destination LAN,* LAN,* LAN,*	Cancel Help Frotocol *,80 *,9091 *,9090	P
SNMP DDNS Routing DMZ A	wall Rules List ktion Name slow WebCam slow Remote_AP_2 slow Remote_AP_1 slow DDNS_1	Source WAN,* WAN,* WAN,* WAN,*	Destination LAN,* LAN,* LAN,* LAN,*	Cancel Help Cancel Help Totocol *,80 *,9091 *,9090 *,53	P
SNMP DDNS Routing A DMZ A A	wall Rules List ktion Name Ilow WebCam Ilow Remote_AP_2 Ilow Remote_AP_1 Ilow DDNS_1 Ilow DDNS_2	Source WAN,* WAN,* WAN,* WAN,* WAN,*	Destination LAN,* LAN,* LAN,* LAN,* LAN,* LAN,*	Cancel Help Cancel Help Trotocol *,80 *,9091 *,9090 *,53 *,1053	P T T T T T T T T T T T T T T T T T T T
SNMP DDNS Routing A DMZ A A A A A A A A A A A A A A A A A A A	wall Rules List ction Name Ilow WebCam Ilow Remote_AP_2 Ilow Remote_AP_1 Ilow DDNS_1 Ilow DDNS_2 Ilow Allow to Ping WAN port	Source WAN,* WAN,* WAN,* WAN,* WAN,* WAN,*	Destination LAN,* LAN,* LAN,* LAN,* LAN,* WAN,*	Cancel Help Cancel Help Totocol *,80 *,9091 *,9090 *,53 *,1053 ICMP,*	P
SNMP DDNS Routing DMZ A A A A A A A A A A A A A A A A A A A	wall Rules List ction Name slow WebCam slow Remote_AP_2 slow Remote_AP_1 slow DDNS_1 slow DDNS_2 slow Allow to Ping WAN port beny Default	Source WAN,* WAN,* WAN,* WAN,* WAN,* **	Destination LAN,* LAN,* LAN,* LAN,* LAN,* WAN,* WAN,*	 Protocol *,80 *,9091 *,9090 *,53 *,1053 ICMP,* *,* 	P
SNMP DDNS Routing A DMZ A A A A A A A A A A A A A A A A A A A	wall Rules List Aution Name Jlow WebCam Jlow Remote_AP_2 Jlow Remote_AP_1 Jlow DDNS_1 Jlow DDNS_2 Jlow Allow to Ping WAN port Deny Default	Source WAN,* WAN,* WAN,* WAN,* WAN,* WAN,* *,* LAN *	Destination LAN,* LAN,* LAN,* LAN,* LAN,* LAN,* WAN,* LAN,* *	Protocol *,80 *,9091 *,9090 *,63 *,1053 ICMP,* *,*	P

Q4: How to register DDNS domain name on DDNS server?

Answer 4:

In order to take advantage of DDNS service, first register your domain name on the following Web site <u>http://ddns.avers.com.tw</u>

1. User Login

Browse the website http://ddns.avers.com.tw with Microsoft Internet Explorer

User Login					
CD-Key No.					
Product	31304NET 🗸				
ОК	Reset				

First input the serial number of your product and select the product name.

Then click **OK** to login or **Reset** to clear the previous input.

MAC address of the DVR system is the serial number for user to register the domain name on AVerMedia DDNS web site.

To find MAC address of your DVR system, follow the steps below:

1. In OSD menu, select NETWORK SETUP

2. Select any one of IP mode

3. A NETWORK INFORMATION windows will show up

4. MAC address of DVR system is display as shown

5. The CD-Key of MAC address input format shall be xxxxxxxxxx **12 digits without** colon (:) or hyphen (-)

2. User Information

Please provide the following user information, **Host Name**, **Password**, **E-mail**, **Company**, and **Country** to complete the registration process.

User Information						
Host Name		*				
Domain Name	avers.com.tw					
Password		*				
Confirm Password		*				
E mail		*				
2						
Company						
Country	United States					
0	K Reset					

Q5: After registered Domain name on DDNS server where and how shall I enter in DVR setup to make the DVR able to report current IP to DDNS server constantly?

Answer5:

(I)EB Series DVR Remote Console Setup

Step 1: Install ActiveX into Internet Explorer to access Web Viewer

Input IP of DVR in the Address column and it will prompt Information bar for installing ActiveX control please press **OK** on the Information inquiry.

Address	
Addressnttp://192.168.153.100/	Go Links »
This site might require the following ActiveX control: WebCanX cab' from AVerMedia TECHNOLOGIEs, and - curch then Click here to install the following ActiveX control: WebCanX cab' from AVerMedia TECHNOLOGIE	S, Ino'
Information Brite Learn about the	Did you notice the Information Bar? The Information Bar alerts you when Internet Explorer blocks a pop-up window or file download that might not be safe. If a Web page does not display properly, look for the Information Bar (near the top of your browser). Do not show this message again.
1 Done	🗶 Internet

Right click on the information bar and select to Install ActiveX Control.

WebViewer - Microsoft Internet Explorer	Install ActiveX Control
e Edit View Favorites Tools Help	What's the Risk?
Back Image: Search Favorites Image: Search Image: Search Favorites Image: Search <	Information Bar Help
This site might require the following ActiveX control: 'WebCamX.cab' from 'AVerMedia 'ECF	Install ActiveX Control
Click here to install the following ActiveX control: 'WebCamX.cab' from 'A	VerMedia TECHNOLOGIE
	Information Bar Help

Internet Explorer will therefore prompt an ActiveX installed message and press install to install it.



After installed the ActiveX, Web viewer will prompt login inquiry message as

	Authorization		
illustrated.	User ID Password Network Type 51 OK	2K Cancel	
Number of	Default ID for	Default ID for view	Default ID for live
channels	changing setting,	live video only	viewing and
	view live video, and		playback using
	playbacketc.		remote console
4CH DVR	superuser	user	N/A
16CH DVR	ADMIN	USER	OPERATOR
	or		
	ADMINISTRATOR		

Factory default for all login IDs' password is 111111.

0

After input ID and password please select network type to connect, if you are not for sure of the type, please select LAN.

Authorization	
User	
ID	superuser
Password	*****
Network Type	512K 💽
ОК	512K 64K/Modem

You can access DVR web viewer as illustrated below.



Step 2: Use Web Viewer to connect DVR and perform network setup

Press Remote setup option button as illustrated below.



Web Viewer will prompt for login inquiry message as illustrated to confirm user account has the authority to access and change the DVR setup remotely.

Authorization	X
User	
ID	superuser
Password	*****
Network Type	512K 💽
ОК	Cancel



Make sure you have input login ID that has authority for changing setting

After input password, web Viewer will therefore prompt the remote setup option as following. Press **Network** button



Network setup page will prompt and it is where you can setup DDNS setting

Network Setup	
IP Mode C Static IP C DHCP C	PPPOE
🔽 Remote Audio Record	IP Mode 192 . 168 . 153 . 100
Server Port 80	Mask 255 , 255 , 255 , 0
UPNP Enable	Gateway 192 . 168 . 153 . 254
UPNP Port 80	DNS 168 . 95 . 1 . 1
-DDNS	
Domain Name	User ID
Password	Password
	OK Cancel



Relay

OK

Alarm

Sensor

Backup

User

work Setting	Dynamic DNS	
erver Name Iransmitting Cameras PAII	, Domain Name	
1 2 73 74 95 76 77 7 99 910 911 912 913 914 915 9 Main Configuration	Password	
Server IP 192.168.0.108 ✓ De I Remote Console PORT 5950 59	DDNS Server Name	ddns.avers.com.tw
Dynamic DNS Domain Namo Password DDNS Servier Name ddm.avers.com.tw	DDNS Server Port	1053 Start Test
DONS Server Port 1053 Start Tes	Other Configuration	
PEnable PORT 5555		
Network Video Configuration Quality Level		
Frame Rate Level		



Make sure press **Network** button to enable the network service of DVR on DVR.



Q6. How do I do if I found my Dynamic domain name is not working?

Answer 6.

Please execute DDNS test tool in any PC within the same LAN network with our DVR product. You can execute this program in NV DVR PC as well. After unzip the test tool software, please execute the DDNS.exe program.

DDNS	Test Recoder	
	Message:	Start Close
2		
DDNS	Test Recoder	
DDNS	Test Recoder	Start
DDNS	Test Recoder Message:	Start Close
DDNS	Test Recoder Message: Testing 10 %	Start Close
DDWS	Message: Testing 10 % Please wait!!	Start Close
DDNS	Message: Testing 10 % Please wait!!	Start Close
DDNS	Message: Testing 10 % Please wait!!	Start Close
DDWS	Message: Testing 10 % Please wait!!	Start Close

Press Start to start the test tool

Wait for the **Finished** message then send back the history.log , which is under the same folder of DDNS.exe is located ,for RD to reference.

	Start
	Close
Uniched II	
Finished!!	
Finished!!	
inished!!	

Also, please provide us your current WAN IP, Your registered domain name, Password for domain name, DVR login ID and password for FAE to help.

Q7: How shall I do if I can't access to http://ddns.avers.com.tw/?

Answer7:

Please follow following instruction to add 168.95.192.1 as your domain name server in Windows TCP/IP setting

Step1:

Select **My Network places** on Desktop and right click mouse button to prompt drop-down menu then select **Properties**.



Step2:

Select Local Area connection or network connection icon and double click the icon.

S Network Connections		- 6 🗙
<u>File E</u> dit <u>V</u> iew F <u>a</u> vorites <u>T</u> ools	Advanced Help	A 2
🕝 Back + 🕥 + 🏂 🔎 Se	earch 📂 Folders 🛄 -	
Address 🔍 Network Connections		💌 🋃 Go
Network Tasks Image: Connection Image: Create a new connection Set up a home or small office network Image: Change Windows Emanall certificate	Local Area Connection Connected, Firewalled Intel(R) PRO/1000 PL Network	

Step3:

Select the **Properties** under General page of Connection status and select **Properties** on connection properties to enter IP setup.

🕹 Local Area	Connection Status	🗕 🕂 Local Area Connection Properties 🛛 🔹 🛛 🔀
General Supp Connection Status: Duration: Speed:	Connected 03:31:49 100.0 Mbps	General Authentication Advanced Connect using: Intel(R) PR0/1000 PL Network Conn Configure This connection uses the following items: Image: Client for Microsoft Networks Image: Client for Microsoft Networks
Activity Packets:	Sent — Ecceived 153,273 279,193	QoS Packet Scheduler Security Install Uninstall Properties Description Allows your computer to access resources on a Microsoft network.
Properties	Disable Close	Show icon in notification area when connected Notify me when this connection has limited or no connectivity OK Cancel

Step 4:

By default, computer which using dynamic IP not fixed IP the DNS server address here is chosen to automatically obtain server. Please change to Use the following DNS server addresses. Please enter **168.95.192.1** in the Preferred DNS server and put 168.95.1.1 in Alternate DNS server column then press OK to save the change.

ernet	a second and and	Contract of Contra
ieneral	Alternate Configuratio	n
You ca this cap the app	n get IP settings assign pability. Otherwise, you propriate IP settings.	ed automatically if your network supports need to ask your network administrator for
<u>0</u>	btain an IP address aut	omatically
OU	se the following IP addr	ess:
]P a	ddress:	ter en en en
Syb	net mask:	(e. e) e(.
Defa	a dhamhannan	
	btain DNS server addre se the following DNS se erred DNS server:	erver addresses:
	htain DNS server addre se the following DNS se erred DNS server: nate DNS server:	erver addresses:
OU Ereh Alter	btain DNS server addre se the following DNS se erred DNS server: mate DNS server:	erver addresses:
O U Ereh	btain DNS server addre se the following DNS se erred DNS server: mate DNS server:	erver addresses: Advanced
Obtain	htain DNS server address se the following DNS se erred DNS server: nate DNS server:	ess automaticallu erver addresses: Advanced
Obtain	htain DNS server address se the following DNS server: mate DNS server: n DNS server address be following DNS se	erver addresses:
Obtain	htain DNS server addresse the following DNS server: mate DNS server: note DNS server: he following DNS server	Advanced
Obtain Use th	htain DNS server addresserver addresserver se the following DNS server: mate DNS server: note DNS server: he following DNS server: d DNS server:	erver addresses: OK Cance automatically rver addresses: 168 . 95 . 192 . 1

Please reboot your computer to activate the change. Then please try access http://ddns.avers.ocm.tw/ to check.

Q8. How shall I do if I don't know the IP of DNS server of my ISP?

Answer8:

Please follow following instruction to add 168.95.192.1 as your domain name server

(I)EB Series DVR Network Setup

EB 4CH series DVR OSD Setup	EB 16CH series DVR OSD Setup
-----------------------------	------------------------------



Then Select and press **CHANGE** to confirm the change setting.

(II) NV/NX/SA Series DVR Network Setup

Please follow following instruction to add 168.95.192.1 as your domain name server in Windows TCP/IP setting

Step1:.

Select My Network places on Desktop and right click mouse button to prompt

drop-down menu then select Properties.



Step2:

Select Local Area connection or network connection icon and double click the

icon.



Step3:

Select the **Properties** under General page of Connection status and select **Properties** on connection properties to enter IP setup.

👍 Local Area Connection Status	? 🛛	🕹 Local Area Connection Properties 🛛 🔹 🛛
General Support		General Authentication Advanced
- Connection		Connect using:
Status:	Connected	👜 Intel(R) PR0/1000 PL Network Conn Configure
Duration:	03:31:49	
Speed:	100.0 Mbps	This connection uses the following items:
Activity		
Sent — 9 Packets: 153,273	P Received 279,193	Install Uninstall Properties Description Allows your computer to access resources on a Microsoft network.
Properties Disable	Close	Show icon in notification area when connected Notify me when this connection has limited or no connectivity OK Cancel

Step 4:

By default, computer which using dynamic IP not fixed IP the DNS server address here is chosen to automatically obtain server. Please change to Use the following DNS server addresses. Please enter **168.95.192.1** in the Preferred DNS server and put **168.95.1.1** in Alternate DNS server column then press OK to save the change.

nternet	Protocol (TCP/IP	
General	Alternate Configurati	ion
You ca this cap the app	an get IP settings assig pability. Otherwise, you propriate IP settings.	ned automatically if your network supports a need to ask your network administrator for
<u>0</u>	btain an IP address au	utomatically
OU	se the following IP add	dress:
ĮP a	ddress:	
Syb	net mask:	
Defa	ault gateway:	
O U Ereh	btain DNS server add se the following DNS erred DNS server:	server addresses:
O U Ereh Alter	btain DNS server add se the following DNS erred DNS server: mate DNS server:	ress automaticallui server addresses:
OU Prefe	btain DNS server add se the following DNS erred DNS server: mate DNS server:	tess automaticallu server addresses:
OU Prefi Alter	btain DNS server add se the following DNS erred DNS server: mate DNS server:	ress automaticallu server addresses: Advanced
	btain DNS server add se the following DNS erred DNS server: mate DNS server:	ress automatically server addresses: Advanced OK Cancel
	btain DNS server add se the following DNS erred DNS server: mate DNS server:	ess automatically
	htain DNS server add se the following DNS erred DNS server: mate DNS server: n DNS server addre he following DNS s	erver addresses:
	btain DNS server add se the following DNS erred DNS server: mate DNS server n DNS server addre he following DNS se d DNS server:	ress automatically erver addresses: OK Cancel ess automatically erver addresses: 168 . 95 . 192 . 1

Step 5:

Please reboot computer and enter DVR program again to get the new DNS server working.

II DVR Network Setup

Q9. How to configure DHCP on DVR server?

A9.

(I)EB Series DVR Network Setup

	-
EB 4CH series DVR OSD Setup	EB 16CH series DVR OSD Setup

MAIN MENU CAMERA SELECT VIDEO RECORD AUDIO RECORD AUDIO MUTE RECORD MODE RECORD FRAMERATE VIDEO QUALITY RECORD SCHEDULE SUBMENU HARD DRIVE SETUP NETWORK SETUP USB BACKUP LANGUAGE	 ☑1 ☑2 ☑3 ☑ 4 ☑1 ☑2 ☑3 ☑ 4 ON D1 60 GOOD ENGLISH 	MAIN MENU CAMERA RECORD HARD DRIVE SENSOR / ALA EMOTION NETWORK BACKUP	RM
Use A and b down and select IP MC press A. Use A a change the selections A or b to make	uttons to go up and DDE, and then and v buttons to to Static IP and press a selection.	Use A and down and select I press . Use change the select	 buttons to go up and P MODE, and then and buttons to ions to Static IP and press make a selection.
NETWORK SETUP IP MODE NW ENABLE VIDEO PORT UPGARDE PORT	DHCP ⊠1	NETWORK SETUP IP MODE NW ENABLE VIDEO PORT UPGARDE PORT	☑1 ☑2 ☑3 ☑ 4 ☑ 5 ☑ 6 ☑ 7 ☑ 8 ☑9 ☑10 ☑11 ☑ 12☑ 13☑ 14☑ 15☑ 16 0080 5005
The DVR system will the from the DHCP server will show up as below:	ry to get an IP address . A message window	Select GET IP to s system will try to g DHCP server. A n up as below:	start getting IP. The DVR get an IP address from the nessage window will show

GET IP NOW! WAITING	IP MODE DHCP IP ADDR ESS 192.168.153.100 SUB NET 255.255.255 GATEWAY 192.168.153.254 DNS 000.000.000.000 MAC: ADDR ESS 00.18.1A.02.00.0F
NETWORK INFORMATION IP ADDRESS 192.168.153.100 SUB NET 255.255.255.255 GATEWAY 192.168.153.254 DNS 192.168.153.1 MAC ADDRESS 00.00.00.00.00 CHANGE 00.00.00.00.00	GET IP NOW. WAITING
If system didn't get any network information, itNETWORK INFORMATIONIP ADDRESS000.000.000.000SUB NET000.000.000.000GATEWAY000.000.000.000DNS000.000.000.000MAC ADDRESS00.00.00.00.00	t means that get IP from DHCP server fail. N/A

(II)NV/NX Series DVR Network Setup

Step 1:

Select **My Network places** on Desktop and right click mouse button to prompt drop-down menu then select **Properties**.



Step 2:

Select Local Area connection or network connection icon and double click the icon.

 Network Connections
 Image: Section Secti

Step 3:

Select the **Properties** under General page of Connection status and select **Properties** on connection properties to enter IP setup.

🕹 Local Area C	onnection Status 🛛 💽 🔀	🕹 Local Area Connection Properties 🛛 😨 🔀
General Support	t	General Authentication Advanced
Connection		Connect using:
Status:	Connected	Intel(R) PR0/1000 PL Network Conn Configure
Duration: Speed:	03:31:49 100.0 Mbps	This connection uses the following items:
		 File and Printer Sharing for Microsoft Networks QoS Packet Scheduler Internet Protocol (TCP/IP)
Activity	~~	
	Sent — 🐨 – Received	Description
Packets:	L 📥 153,273 279,193	Allows your computer to access resources on a Microsoft network.
		Show icon in notification area when connected
Properties	Disable	Using the when this connection has limited of no connectivity
	Close	OK Cancel

Step 4:

Please leave your IP setting as illustrated. Press OK to save the setting.

Internet Protocol (TCP/IP) Pr	operties 🛛 🛛 🛛 🔀
General Alternate Configuration	
You can get IP settings assigned a this capability. Otherwise, you nee the appropriate IP settings.	automatically if your network supports d to ask your network administrator for
Obtain an IP address automa	atically
O Use the following iF address.	
IP address:	
S <u>u</u> bnet mask:	· · · · · ·
<u>D</u> efault gateway:	
⊙ <u>Ob</u> tain DNS server address a	automatically
Use the following DNS serve	r addresses:
Preferred DNS server:	
Alternate DNS server:	
	Ad <u>v</u> anced
	OK Cancel

Q10. How to configure Static IP on DVR server? A10.

Setup the network parameters for the internet or intranet remote monitor or playback.

(I)EB Series DVR Network Setup		
EB 4CH series DVR OSD Setup	EB 16CH series DVR OSD Setup	
MAIN MENU CAMERA SELECT VIDEO RECORD ∅1 ∅2 ∅3 ∅4 AUDIO RECORD ∅1 ∅2 ∅3 ∅4 AUDIO MUTE ON RECORD MODE D1 RECORD FRAMERATE 60 VIDEO QUALITY GOOD RECORD SCHEDULE SUBMENU HAKD DKIVE SETUP USB BACKUP LANGUAGE ENGLISH	MAIN MENU CAMERA RECORD HARD DRIVE SENSOR / ALARM MOTION NETWORK BACKUP JJ SYSTEM	
Lise A and buttons to go up and		
down and select IP MODE, and then press . Use and buttons to change the selections to Static IP and press or to make a selection. NETWORK SETUP IP MODE STATIC NW ENABLE ☑1 ☑2 ☑3 ☑ 4 VIDEO PORT 0080 5005 5005	down and select IP MODE, and then press ↓. Use ▲ and ▼ buttons to change the selections to Static IP and press ↓ or ▶ to make a selection. IP MODE NW ENABLE □1 □2 □3 □ 4 □ 5 □ 6 □ 7 □ 8 □9 □10 □11 □ 12 □ 13 □ 14 □ 15 □ 16 VIDEO PORT 0080 UPGARDE PORT 5005	
The DVR system will try to get an IP address from the DHCP server. A message window will show up as below:	Select GET IP to start getting IP. The DVR system will try to get an IP address from the DHCP server. A message window will show up as below:	

NETWORK INFORMA	TION	IP MODE	
IP ADDRESS SUB NET GATEWAY DNS MAC ADDRESS CHANGE	192.168.153.100 255.255.255.255 192.168.153.254 192.168.153.1 00.00.00.00.00.00	IP MODE IP ADDR ESS SUB NET GATEWAY DNS MAC ADDR ESS CHANGE	STATIC 192.168.153.100 255.255.255.255 192.168.153.254 000.000.000.000 00.18.1A.02.00.0F

After perform setting of static, please select CHANGE to save the change of IP information.

(II)NV/NX Series DVR Network Setup

Step1:

Select **My Network places** on Desktop and right click mouse button to prompt drop-down menu then select **Properties**.



Step2:

Select Local Area connection or network connection icon and double click the icon.



Step3:

Select the **Properties** under General page of Connection status and select **Properties** on connection properties to enter IP setup.

Local /	Area Connection Status 🛛 💽 🔀	🕹 Local Area Connection Properties 🛛 😨
General	Support	General Authentication Advanced
Conne	ction	Connect using:
Statu	s: Connected	Intel(R) PR0/1000 PL Network Conn Configure
Dural	ion: 03:31:49	
Spee	a. 100.0 MDps	Client for Microsoft Networks Sector and Printer Sharing for Microsoft Networks QoS Packet Scheduler Thernet Protocol (TCP/IP)
Activity		
	Sent — 👘 — Received	Install Uninstall Properties Description Allows your computer to access resources on a Microsoft
Pack	ets: 153,273 279,193	network.
Prope	nties Disable	Show icon in notification area when connected Notify me when this connection has limited or no connectivity
	Close	OK Cancel

Step 4:

Input the Static IP and subnet mask, gateway and DNS server information provided by ISP or network admin...etc

General You can get IP settings assigned this capability. Otherwise, you ne the appropriate IP settings.	l automatically if your network supports ed to ask your network administrator for
O Obtain an IP address autom	natically
• Use the following IP addres	s:
<u>I</u> P address:	192 . 168 . 153 . 101
S <u>u</u> bnet mask:	255 . 255 . 255 . 0
Default gateway:	192 . 168 . 153 . 254
O Obtain DNS server address	automatically
OUSE the following DNS serv	er addresses:
Preferred DNS server:	168 . 95 . 192 . 1
Alternate DNS server:	168 . 95 . 1 . 1
	Ad <u>v</u> anced
	OK Cancel

Q11. How to setup PPPOE on DVR server?

A.11

(I)EB Series DVR PPPOE Network Setup

Set DVR as Static IP configuration → Access through IE to input PPPOE information →Let DVR server get IP by using PPPOE connection.

Step1.Use Internet Explorer to connect DVR

Select Internet Explorer Icon on Desktop and double click it.



Input IP of DVR on the Address column and it will prompt Information bar for installing ActiveX control please press **OK** on the Information inquiry.



Right click on the information bar and select to Install ActiveX Control.



Internet Explorer will therefore prompt an ActiveX installed message and press install to install it.

Internet Explorer - Security Warn	ing	
Do you want to install this software Name: WebCamX.cab Publisher: <u>AVerMedia TEC</u>	e? HNOLOGIES, Inc	
S More options	Install	Don't Install
While files from the Internet ca your computer. Only install sof	an be useful, this file type can tware from publishers you tru	potentially harm st. <u>What's the risk?</u>

After installed the ActiveX, Web viewer will prompt login inquiry message as

	Authorization	
following.	User ID Password	
	Network Type	512K 💌

0

Number of	Default ID for	Default ID for view	Default ID for live	
channels	changing setting,	live video only	viewing and	
	view live video, and		playback using	
	playbacketc.		remote console	
4CH DVR	superuser	user	N/A	
16CH DVR ADMIN		USER	OPERATOR	
	or			
	ADMINISTRATOR			

The factory default for all login IDs' password is 111111.

After input ID and password please select network type to connect, if you are not for sure of the type, please select LAN.

Authorization		×
User		
ID	superuser	
Password	*****	
Network Type	512K 💌	
ОК	LAN 512K 64K/Modem	

You can access DVR web viewer as illustrated below.



Step 2: Use Web Viewer to connect DVR and perform network setup Access DVR through Internet Explorer by using above steps and press **Remote setup** option button as illustrated below.



Web Viewer will prompt for login inquiry message as illustrated.

Authorization	
User	
ID	superuser
Password	*****
Network Type	512K 💌
ОК	Cancel



Make sure you have input login ID that has authority for changing setting

After input password, web Viewer will therefore prompt the remote setup option as following. Press **Network** button



Network setup where you can setup IP mode and DDNS setting

Network Setup		×
IP Mode C Static IP C DHCP	• PPPOE	
Option ✓ Remote Audio Record Server Port 80 ✓ UPNP Enable UPNP Port 80	Static IP IP Mode 192 , 168 , 153 , 100 Mask 255 , 255 , 255 , 0 Gateway 192 , 168 , 153 , 254	
DDNS Domain Name Password	PPPOE User ID Password	
	OK Cancel	

0

Before you setup the DVR setting from Static IP to PPPOE IP mode, please select the IP mode to PPPOE first.

Select IP mode to PPPOE first, and input PPPOE User ID and password, if you are not for sure what information needs to input please consult ISP

Network Setup		
IP Mode C Static IP C DHCP	• PPPOE	
Option ▼ Remote Audio Record Server Port 80 ■ UPNP Enable UPNP Port 80	- Static IP IP Mode Mask Gateway DNS	192 , 168 , 153 , 100 255 , 255 , 255 , 0 192 , 168 , 153 , 254 168 , 95 , 1 , 1
DDNS Domain Name Password	PPPOE User ID Password	OK Cancel

After input login Id and password Press **OK** to update the setting.

Step3: Configure the DVR setup as PPPOE mode

Then back to DVR side select PPPOE mode. Use A and v buttons to go up and down and select **PPPOE**, and then press v or to make

selection. A message window will show up as below:



When DVR system gets an IP address PPPOE, the information format is similar as below all valued



If system didn't get any network information, it means that get IP from PPPOE server fail. Please contact your ISP or network service vendor for further suggestion.

NETWORK INFORMA	ATION
IP ADDRESS	000.000.000.000
SUB NET	000.000.000.000
GATEWAY	000.000.000.000
DNS	000.000.000.000
MAC ADDRESS	00.00.00.00.00

To Setup PPPOE you need to first configured the DVR as static IP first .Please set your Stand Alone series DVR IP the same network with your PC to proceed inputting login information of PPPOE connection through Web Viewer.

(II)NV/NX Series DVR Network Setup

To Set up PPPOE on Windows XP:

Select **My Network places** on Desktop and right click mouse button to prompt drop-down menu then select **Properties**



It will bring up a new screen. Click on "Create a New Connection"



This will start a New Connection Wizard. This is a simple process that will set up your PPPOE connection. The following dialogue box will appear. Click Next.



Select "Connect to the Internet" and then clock the "Next" button.



Select "Set up my connection manually" and click the "Next" button Select the second option, "Connect using a broadband connection that requires a user name and password", then click on the "Next" button.



Type your desire name for this connection into the "ISP Name" field, and then click the "Next" button



Make sure that you have "Anyone's Use" selected, especially if you have

different users set up in your XP. If it is not, you will have to make a new PPPOE for EVERY connection, not just yours.



Enter your username and password into the applicable fields. Your username is the ID your ISP supplier provides, normally it is "username@xxxx.net" and your password is also provided by ISP. If you are not for sure of the login ID And password for key in, please consult your ISP. After input data click "Next".

New (Connection Wizard	1			
Int	ernet Account Infor You will need an acco	mation ount name and	password to sig	n in to your Internet account.	N
	Type an ISP account safe place. (If you hav	name and pass /e forgotten an (word, then write existing accour	e down this information and st It name or password, contact ;	ore it in a your ISP.)
	User name:	username@	aaaa.net		
	Password:	•••••			
	Confirm password:	•••••			
-	Use this account name and password when anyone connects to the Internet from this computer				from
	🗹 Make this the def	sult Internet cor	nnecticn		
			< B	ack Next >	Cancel

Check the box "Add a shortcut to this connection to my desktop" as in the example below, then click on the "Finish" button to complete the set up of your PPPOE connection.



Your connection has now been configured and is ready to use. Ensure your DSL modem is plugged in, then double click on the "PPPOE" (or the name you input in ISP name) icon on your desktop, and then click "Connect". Windows should then connect you to Internet.

