Summary

Guarding Vision is a new service which integrates the dynamic domain name Service along with alarm push notification service. It provides an easy way for devices to connect to the Internet.

This is an updated manual for Guarding Vision v3.0.

For more configuration guide, please refer to the user manual of Guarding Vision.

Note:

In order to improve your user experience, we recommend you enable the **UPnP** function in both your router and device, or configure **Ports Forwarding** manually in your router.

Discretion

User interface may not be identical to the instructions shown below depending on the product, firmware version. However, the information and settings required to setup Guarding Vision services are similar across all supporting products.

Preparation

- 1. Users need to upgrade device to proper firmware that supports Guarding Vision Share function.
- 2. Update the Guarding Vision app to v3.0.0 or above.

How to add devices into Guarding Vision account

Users can enable Guarding Vision function via Guarding Vision APP, <u>www.GuardingVision.com</u> web portal, SADP tool or CMS client.

Method 1: Add devices via Guarding Vision APP

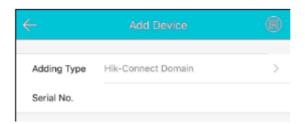
Steps:

- (1) Open Guarding Vision app in your mobile;
- (2) Go to **Home** interface, tap the icon **t** at the upper-right corner;
- (3.1) Adding by Scanning QR Code
 - Tap Scan QR Code to enter the Scan QR Code interface, or you can click at the upper-right corner of the interface to extract QR code from local album. Normally, the QR code is on label, which is on the back cover of the device.



(3.2) Manual Adding

• Tap Manual Adding to enter the New Device interface;



- Select the adding type as **Guarding Vision Domain**;
- Input the device serial No. manually.
- Tab Dto search the device
- (4) Click 'Add' to continue;

(5) Input device verification code to finish, and the Adding Completed interface will pop up.

\leftarrow	Adding Completed				
Alias	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX				
Device Domain Name	XXXXXXXX				
Port Mapping Mode	Automatic	>			
Server Port Number	X0000X				
HTTP Port Number	0				
User Name					
Device Password					
After setting the pa connect the device	irameters above, the system will directly				
Finish					
Skip					
Edit parameters in Device Information page.					

Note:

If you've entered this interface, it means you've added your device to Guarding Vision **successfully.** You can click **Skip** and go back to Home interface to watch the live view.

However, if you prefer a faster stream loading speed, you need to **open ports** in your router in advance, and continue to set the information below:

- (6) Set the device alias and domain name;
- (7) Select the port mapping mode. You can select either Automatic or Manual;

Automatic: The client will adopt a device port automatically.

Manual: You should set the port information manually.

- (8) Input the device user name and the device password;
- (9) Tap **Finish** to finish the operation.

Method 2: Add devices via <u>www.GuardingVision.com</u> web portal

Steps:

(1) Input <u>www.GuardingVision.com</u> into browser location bar;

↔ ↔ € http://www.guardingvision.com/	P - A × O guardingvision.com	×
	- 3 3	

(2) Login with your account user name and password.

account/ema	il
password	
	Forgot the Password
	Login
No account?	Register one now.
	Register

(3) Go to **Device Management**;

	Device Management Device Serial No. Search by Device Serial No.					
Device Management	Device Domain	Device Serial No.	IP/Port No.	Status	Device Operation	
ŝ	testdevice2	421 522	60.186.	Offline	× 🛍 🗈	
Others' Shared Devices	dstestdevice	49: 386	60.186	Offline	/ ii là	

(3) Click Add; Input your device Serial no. then click Search.

Add Device		
Device Serial No.:	68' :880	Search
		Cancel

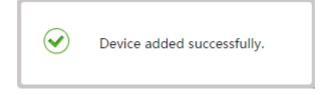
(4) When a connection is made to the device (it must be powered on and connected to the Internet) a pop-up shows the model and confirms the S/N. If this is the desired device, Click '+' to continue;

Add Device	
Device Serial No.: 65 790	Search
DS-7204HUHI-F1-N(65 790)	
	Cancel

(5) Iuput your device **verification code**, then click **Add** to finish.

Add Device		
Device Serial No.:	68 880	Search
Verification Code:	•••••	
		Cancel

(6) A pop-up confirms success. And the device now is editable on the Device Management page.



(7) Click on the **IP address** and **Port No.** of a connected device, a new window pops up to login the device. Enter the **user name** and **password** to login.

र्द्रे	Device Manager	evice Management		Device Serial No. Search by Device Serial		al No. 🔍	No. Q G Add	
Device Management	Device Domain	Device Se	erial No.	IP/Port No.	Status	Device (Operation	
Ś	testdevice2	428	522	60.186.	Offline	, Č	i là	
Others' Shared Devices	dstestdevice	491	386	60.186	Offline	, T	i là	
	536998987	536	987	211.140	Offline	j T	i là	
20	ds2752f	650	192	115.198	Offline	, P	i B	
My Shared Devices	abcdefg	687	880	<u>125.119.</u>	Online	, i	i là	





Note:

If it can't redirect to your device after clicking IP/Port No. link in <u>www.Guarding Vision.com</u> while the device status is online, it means ports may not be properly configured for your device. In this case, please kindly open ports MANUALLY in router instead of using UPnP to configure port forwarding. Then input the correct ports number here.

۲ ۲	Device Management	Device Serial No. Search by Device Seria	I No. Q O Add
Device Management	Edit Device Information		Device Operation
	*Device Domain:	abcdefg ?	/ 前 陷
	Device Serial No.:	68 880	/ 📅 🖻
	UPnP Mode:	Auto Manual	/ 🖮 🖻
	Select manual mode, and yo port number. automatically,	u should input the port No. from the device. To get the select auto mode.	/ m Pa
View My Shared Videos	*Server Port Number:	80	/ 🖻 🖻
	*HTTP Port Number:	8090	1 1 1
My Account			/ m 🗈
		Cancel OK	/ m B

Please try http:// WAN IP: Port No. to test whether port forwarding is successful after port forwarding manually.

Appendix:

1. How to find device verification code?

(1) Try to find device verification code on the label of the device;



(2) Try to find the device verification code on the local GUI of DVRs/NVRs.

		Configuration	
General General	General Platform Access PPF	POE DDNS NTP Email NAT	More Settings
- Network	Enable	v /	
	Access Type	Hik-Connect	
🎄 Alarm	Server Address	dev.hik-connect.com	Custom
	Enable Stream Encryption		
	Verification Code	LYSXPR	
Exceptions	Status	Offline	

(3) Try to find the verification code in the device web configuration interface for both camera and DVR/NVR.

FTP	Email	Platform Access		HTTPS	QoS	802.1	1x
	Enable						
Plat	form Acces	s Mode	Guarding	Vision.com		~	
Sen	ver IP		dev. Gua	rdingVision.co	mi		Custom
Reg	ister Status		Online			~	
Veri	fication Coo	le	•••••			$\lambda_{\rm TC} d$	

6 to 12 letters or numbers, case sensitive. You are recommended to use a ci

2. How to configure Port Forwarding?

Before You Start:

Port forwarding should only be used when the devices need to be accessed via the internet. To ensure proper security configuration, please follow below points:

- 1. Minimize the port numbers exposed to the internet. Port forwarding should only be configured when absolutely necessary. For example, to use web service, only port 443 should be forwarded.
- 2. Avoid common ports and reconfigure them to customized ports. For example, port 80 is commonly used for HTTP. User is recommended to change to a customized port on the device other than port 80 for the designated service, following TCIP/IP port rule (1 65535).

Method 1: Configure Port Forwarding via UPnP

Steps:

(1) Go to **Configuration -> Advanced Configuration -> Network -> General** to correctly configure network parameters to make sure your device is accessible in LAN. **DNS server address** is necessary in this case.

(2) Click Apply to continue.

Configuration						
尊 General	General Access	platform PPPO	E DDNS NTP	Email NAT N	lore Settings	
Network >	Working Mode		Load Balance			
🎄 Alarm	Select NIC NIC Type		bond0 10M/100M/1000M Sel	f-adaptive		
,≢ RS-232	Enable DHCP					
 ▲ Live View 		10 .5 .8 .11 255.255.255.0	7	IPv6 Address 1 IPv6 Address 2	fe80::c62f:90ff:fea4:	566b/64
▲ Exceptions	IPv4 Default G		i4	IPv6 Default G.		
👪 User	MAC Address		c4:2f:90:a4:56:6b			
	MTU(Bytes) Preferred DNS S		1500			
	Alternate DNS Server					
						<u>k</u>
♠ Live View					Apply	Back

- (3) Go to Menu->Configuration->Network->NAT to check 'Enable UPnP';
- (4) Login router management interface via web and enable UPnP function.

			Conni	guration			
o General	General Platfor	m Access	PPPOE DD	NS NTP Email <mark>N</mark>	AT More Se	ettings	
- Network	Enable UPnP						
	Mapping Type		Auto				
Alarm	Port Type	Edit	External Port	External IP Address	Port	UPnP Status	
↔ Live View	HTTP Port	1	80	0.0.0	80	Inactive	
	RTSP Port	1	554	0.0.0	554	Inactive	
Exceptions	Server Port	2	8000	0.0.0.0	8000	Inactive	
user 🕹	HTTPS Port	2	443	0.0.0.0	443	Inactive	
							Refresh
Live View						Apply	Back

Note:

(1) The Mapping Type is recommended as Auto.

(2) The (External)Port as well as External IP Address will be refreshed if all the configurations are correct. And UPnP Status will be Active.

Method 2: Configure Port Forwarding Manually

Steps:

(1) Go to **Configuration -> Advanced Configuration -> Network -> General** to correctly configure network parameters to make sure your device is accessible in LAN. **DNS server address** is necessary in this case.

Configuration							
尊 General	General Access platform PPPO	E DDNS NTP	Email NAT Mor	re Settings			
Network >	Working Mode	Load Balance					
🎄 Alarm	NIC Type	bond0 ~ 10M/100M/1000M Self-adaptive ~					
≢ RS-232	Enable DHCP						
	IPv4 Address 10 .5 .8 .11	17	IPv6 Address 1 f	fe80::c62f:90ff:fea4:566b/64			
 ▲ Live View 	IPv4 Subnet 255.255.255.0		IPv6 Address 2				
▲ Exceptions	IPv4 Default G 10 .5 .8 .25	54	IPv6 Default G				
	MAC Address	c4:2f:90:a4:56:6b					
📽 User	MTU(Bytes)	1500					
	Preferred DNS Server	8.8.8.8					
	Alternate DNS Server						
					k		
♠ Live View				Apply	Back		

(2) Click Apply to continue.

(3) Go to Menu->Configuration->Network->More Settings to check the ports you need to open.

	Configuration										
尊 General	General	Platform Access	PPPO	E DDNS	NTP	Email	SNMP	NAT	More Settings		
- Network	Alarm H			0					×.		
\land Alarm		Alarm Host Port			8000						
,≇ RS-232	HTTP F	Port		80							
 ▲ Live View 	Multicas			554							

- (4) Login router management interface via web;
- (5) Go to **Forwarding** to open ports for device.

Status						
Basic Settings	Virtua	al Servers				
Quick Setup						
Network						
Wireless	ID	Service Ports	IP Address	Protocol	Status	Modify
Advanced Settings	1	80	192.168.1.23	ALL	Enabled	Modify Delete
DHCP	2	8000	192.168.1.23	ALL	Enabled	Modify Delete
Forwarding	3	554	192.168.1.23	ALL	Enabled	Modify Delete
Virtual Servers						
Port Triggering	4	8200	192.168.1.23	ALL	Enabled	Modify Delete
DMZ	5	81	192.168.1.24	ALL	Enabled	Modify Delete
UPnP	6	8001	192.168.1.24	ALL	Enabled	Modify Delete
Security	7	5555	192,168,1,24	ALL	Enabled	Modify Delete
Static Routing						
IP & MAC Binding	8	8201	192.168.1.24	ALL	Enabled	Modify Delete
Dynamic DNS						
Maintenance	Add Ne	w Enable All	Disable All Delete A			
System Tools		2.1001071		·····		

Note:

The port forwarding interface above is for TP-LINK router (TL-ER340G), which maybe distinct from other router's interface.