

Statement

Thank you for purchasing our product! This quick user guide will talk about main usages of the product. More information can be found on our website and the help center. This user guide may contain inaccurate content due to hardware and software upgrade. It is subject to change without previous notice.

Safety caution

1. Please do not put any fluid container on the product.
2. Please use the product in ventilated environment and prevent blocking the vents.
3. Please use included power supply with the product to prevent damage to the product.
4. Please use the product under its standard working temperature and humidity.(advised in this manual or distributor's website)
5. Dust on PCB may cause short circuit. It is suggested to clean the dust on PCB timely to make the product work properly.
6. Please obey the regulation and policy in your country and area during the installation of this.

Out of box audit

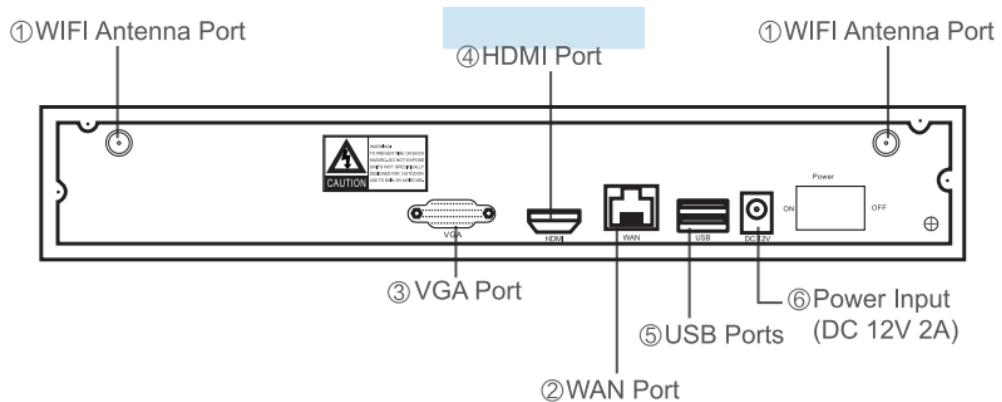
After receiving the product, please check all products and accessories according to distributor's Package Includes information. If any is missed or damaged, please contact the distributor.

Packing list		
S/N	Item	Quantity
1	WIFI NVR	1pcs
2	Screw bag(4 screws for HDD)	1pcs
3	DC 12V2A power supply (for NVR)	1pcs
4	User manual	1pcs
5	WIFI IP Camera	4/8pcs
6	DC 12V1A power supply(for IPC)	4/8pcs
7	Screw bag (for IPC)	4/8pcs
8	Antenna Extension Cord	1/2(4CH/8CH)pcs

Before installation

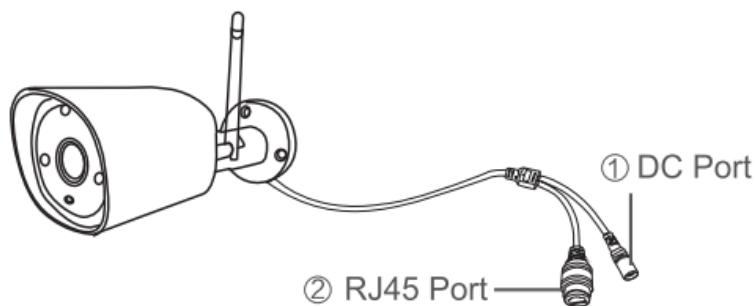
this product may require cabling , we suggest to test all products&parts before installation and cabling.

NVR



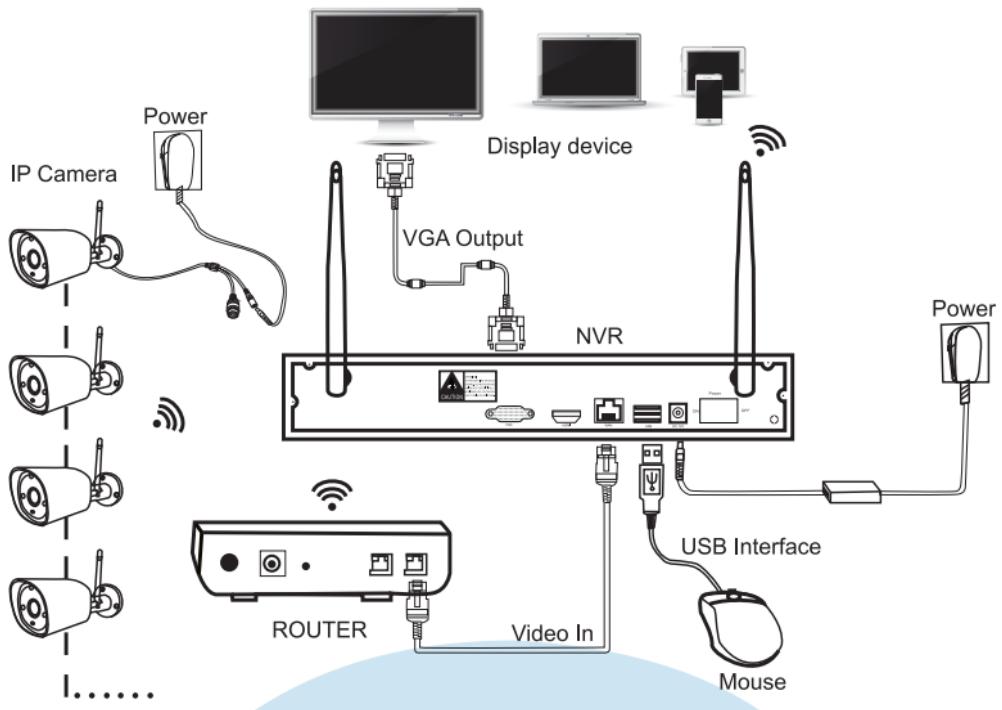
- 1、WIFI Antenna Ports:Double antennas to WIFI range
- 2、WAN Port:Connect your NVR to Internet
- 3、VGA Port:For viewing on VGA monitor
- 4、HDMI Port:For viewing on HDTV
- 5、USB Ports:For mouse and backup
- 6、Power Input

IPC



1. DC Port: input power 12V 1A;
2. RJ45 Port: for matching code and wired connection between IPC and NVR. Our WIFI NVR KIT is already matched code before leaving factory. If users need to re-match code or use wired connection, please refer to how to add IP camera as below.

Installation Instruction of WIFI NVR KIT



Note:

Wireless NVR can't be connected to WIFI router wirelessly at present. They can be only connected by network cable.

Setup the System

This system is standalone with embedded Linux Operating System in the NVR. Just like a desktop PC, need to hook a screen to the NVR to enter the OS. Any TV , monitor with VGA or HDMI input should work for it.

- 1、Install antennas for cameras and the NVR.
- 2、Connect a screen to the NVR via its HDMI or VGA port(HDMI and VGA cable not included)
- 3、Plug the NVR to power(use bigger 12V 2A power adapter)
- 4、Plug cameras to power(use smaller 12V 1A power adapters).
- 5、Within seconds, you should see camera's images on the screen.
- 6、Plug the mouse(included)to an USB port on back of NVR. You shall then be able to operate on the system.

In the OS you can find fullest functionalities including live view, record, playback, video backup and all settings.

Default ID: admin Password: none (means leaving the password empty, just click login)

Tips: To protect your privacy, please set your password at earliest convenience. Right click the mouse→Go to System Setup→System Admin →User Management to set password.

HD install

the system may not include hard disk depending on the kit you selected. the NVR works most 3.5" SATA HDD or 2.5"SATA HDD

Steps to install a hard drive (if your system has preinstalled HDD, please skip this step)

1、Unplug your NVR from power,unscrew and remove the top cover.



2、Connect the SATA power and data cables from the NVR to the corresponding ports on your HDD (as shown).



3、holding the hard drive and the DVR ,gently turn it over and line up the holes on the hard drive with the holes on the NVR. using a phillips screwdriver,screw the provided screws into the holes .assemble the cover



Steps to install a hard drive(if your system has preinstalled HDD ,please skip this step).

Record video

Record video is very easy on camera system.

1、Timing Record, set time periods you want the NVR to record. Click right button →System Setup→Record setup→Record Plan; here you can setup periods you want the NVR to record. Everyday 0:00:00-23:59:59 means 24×7 recording. The system records 24×7 by default when it detects hard disk.

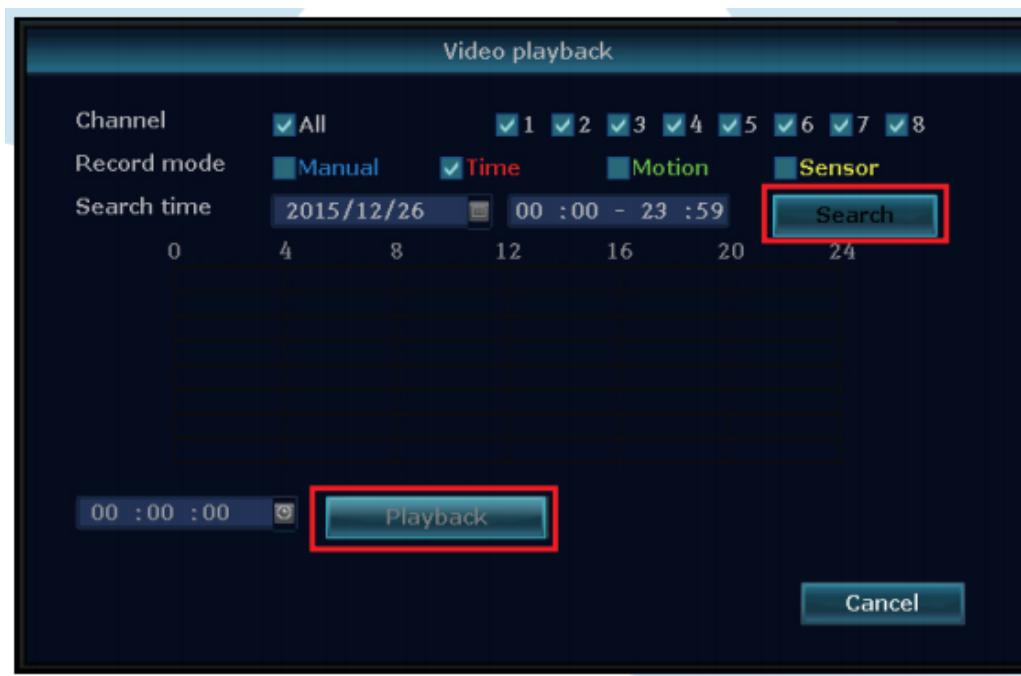
2、Manual Record, the shortcut to turn on record. Click right button→Manual Record; you can turn ON or turn OFF the record of certain channels. Red dot on right above corner means manual record is ON .

3、Motion Record. Motion Record means certain channel(s) will be recorded only when

movement is detected. Click right button→System setup→Record setup→Record Plan; by unselecting Time and selecting Motion, the channel will record only when motion detected.

Playback video on NVR

In the NVR system, right click the mouse→Choose Video playback→Choose Manual search; you will enter the Video Playback system. Specify channels and time, you can search out videos. Click playback to start play record videos.



Video Backup

1、2 USB port: Plug U flash disk into the USB port of NVR. Right click on main menu→video backup→choose backup channel→choose video mode→setup searching time→search→choose recording file on the list→video backup (support 32G U flash disk at max. Recording file is packed one hour per time.)

2、1 USB port: Right click on main menu→video backup→choose backup channel→choose video mode→setup searching time→search→choose recording file on the list→video backup, insert U flash disk within reminding 1 minute, then the system will backup recording file to U flash disk.

Video backup

Channel: All, 1, 2, 3, 4, 5, 6, 7, 8

Record mode: Manual, Time, Motion, Sensor

Search time: 2015/12/26 00:00 - 23:59

Search

ID	Channel	Mode	Begin time	End time	Duration	Size	Select
1	1	Manual	16:26:16	16:26:20	00:00:04	509K	<input checked="" type="checkbox"/>
2	1	Manual	16:00:00	16:26:05	00:26:05	381M	<input type="checkbox"/>
3	1	Manual	15:00:00	15:59:59	00:59:59	258M	<input type="checkbox"/>
4	1	Manual	14:34:46	14:59:59	00:25:13	102M	<input type="checkbox"/>
5	1	Manual	14:31:20	14:33:49	00:02:29	44M	<input type="checkbox"/>
6	1	Manual	14:00:00	14:30:04	00:30:04	133M	<input type="checkbox"/>
7	1	Manual	13:56:35	13:59:59	00:03:24	13M	<input type="checkbox"/>

< 1 /1 > USB storage Backup Cancel

View on PC via IE(Internet Explorer)

1、When your PC is in same LAN with the NVR (normally means they are connected to the same router)

Step1.Find the IP address and port# of your NVR(IP address can be found in System Setup→Network Setup).

General setup Record setup Network setup Channel Setup System Admin

Network setup

DHCP

ESee(P2P) 493143277 (ONLINE) Show QR Code

IP address	192.168. 1. 77
Subnet mask	255.255.255. 0
Gateway	192.168. 1. 1
MAC address	0005-FEBA-786E
Preferred DNS	202. 96.134. 33
Web port	80
Network Bandwidth	100 MB/s
Net Diagnose Info	<input checked="" type="checkbox"/> Enable

Network Status: Healthy Network

Apply Ok Cancel

Step2.Enter the NVR's IP address in your IE browser in format <http://youripaddress>,for example: <http://192.1.1.7>(If the default WEB port 80 has been changed e.g. to 100,you'll need to add new port number when input IP address in the browser, for example: <http://192.168.1.7:100>)



2、When your PC is out of local area network with the NVR(For example: view your home cameras from your office PC)

Access with Device Cloud ID

Step 1. Open your Internet Explorer(IE) browser and visit:www.e-seenet.com

Step2. Input Device ID, User name and password to login.

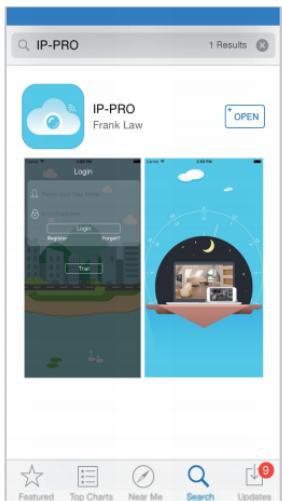
(Device ID can be found at the right bottom corner of the NVR monitor, status should be “ONLINE”, default User name is “admin”, and default Password is empty.)



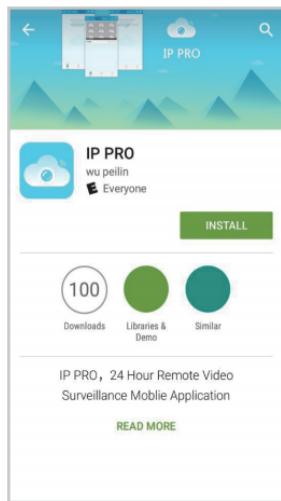
View on Mobile

1、Download the APP “IP PRO”

You can either scan the QR-Code below to find the free mobile app, or search “IP PRO” on APP store/Google play to find it. Download and install it. Then run the APP and spend minutes to register an account.



iPhone APP



Google play APP

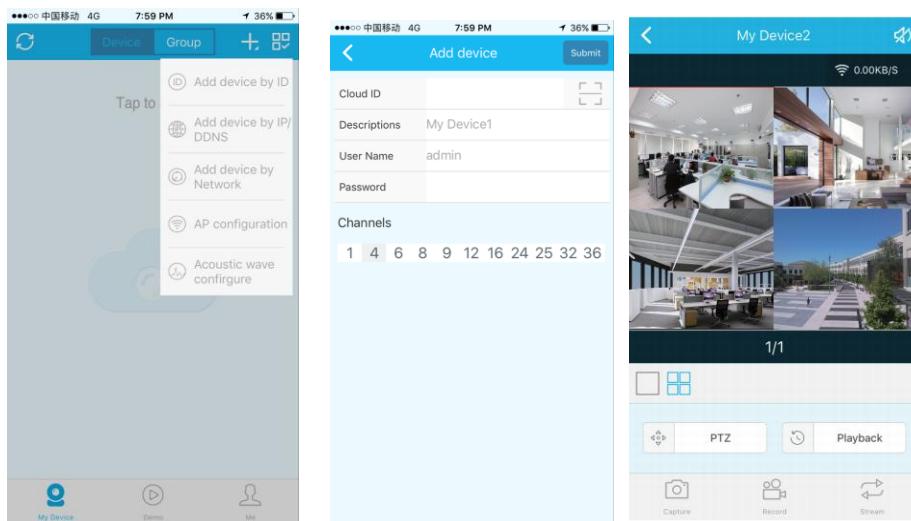


APP download

2、Add the NVR system to your APP device list

Run the APP “IP PRO”, login with your account or choose Trial→Click “+” to “Add device by ID” (find it the NVR’s Network setup, or right bottom corner on screen),Description(e.g. Home Camera), User name (default user name is “admin”)and password(default is empty)→Submit to get back to your device list→Click the device to view the cameras.

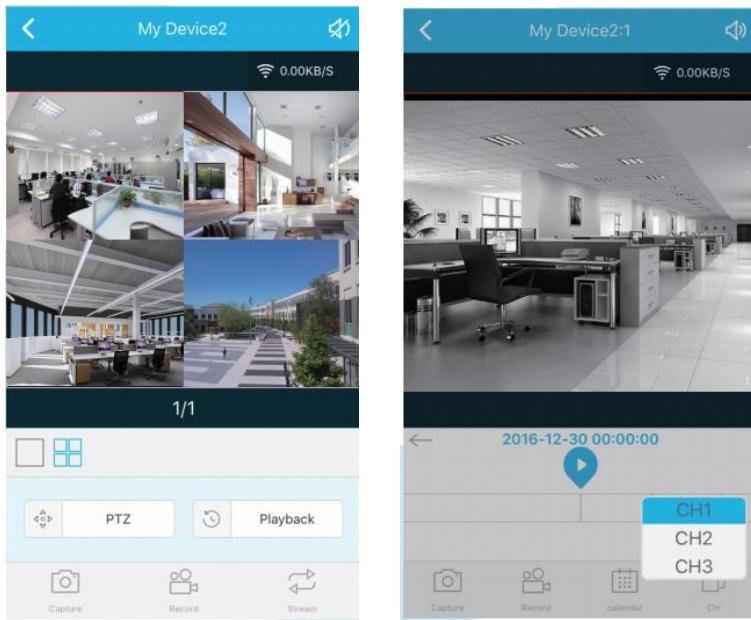
Tips: if you've set a password on your NVR system, please update your password on APP to view.



Playback on mobiles

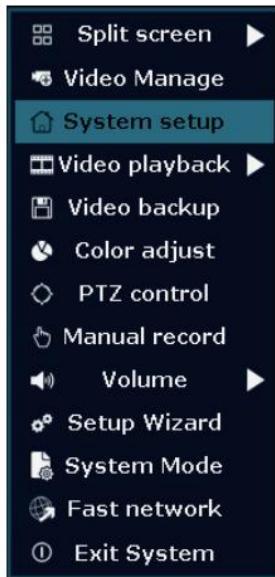
In the IP PRO APP, while viewing live video of the system, click Playback, you will enter the remote playback menu. The APP automatically playback camera 1, you can switch channels the CH.

Tips: Videos in playback are HD@real time which requires very good transmission condition. We suggest to playback in LAN. Remote playback out of LAN may not 100% work due to connection &network condition.



MENU-DO What

Click right button you can enter the main menu; click right button again you can exit the current menu or return.



Split screen: change status of live view. You can choose to view multiple cameras or any single camera.

Video Manage: manage IP cameras and NVR channels

System setup: All system settings

Video playback: playback recorded videos

Video backup: backup recorded videos

Color adjust: adjust the image setting of each camera

Manual record: shortcut to change the record settings

Volume: Adjust volume of audio cameras(works only for audio cameras)

Setup Wizard: step by step guide of 1st time general settings

Fast Network: shortcut to network settings

Exit System: logout, reboot, close screen output and shut down the system

System setup

Click right button → Choose System setup; you then shall enter the menu that enables you to do all settings related to this system.

- **General setup**(This enables you to set)

- Language

- Time

- Display resolution

- Name each camera

- Auto switch from 1 camera to another

- **System admin**(This enables you to set)

- System version

- System maintenance including system upgrade

- User and password management

- Restore to default settings

- System log

- HDD informa

- **Record setup**(This enables you to set)

- Record plan for each channel video detection

- **Network setup**(This enables you to set)

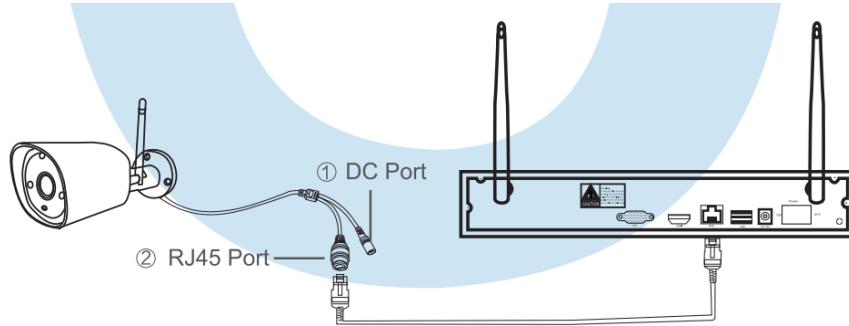
- All network related settings.

- **Channel setup**(This enables you to set)

- Manage channels and cameras

Add Cameras

Before leaving factory, NVR kit is already matched code, the image will come out when the kit is powered. Anyway, there is range limitation for the WIFI signal from NVR. When cameras are out of this range, they can't be connected to NVR wirelessly. Then users can use network cable to connect cameras and NVR, as picture showed below:



Right click on main menu and click video management, and enter the interface. There are two ways to add IPC, “match code” and “auto add”.

Choose “auto add”, cameras will transmit video image to NVR by network cable;

If users need to re-match code, cameras will transmit video image to NVR wirelessly, and IP

address is 172.20.14.X.

Video Manage

Protocol: default

ID	Device name	IP address	Preview	Resolution
1	IPCAM	192.168.1.168		1280x720

Match Code
Auto Add
Modify
Advanced

Added device: 1 Remaining device: 7

Channel	Device name	IP address	Status
1	IPCAM	172.20.14.32	Connect success
2			No video source
3			No video source
4			No video source
5			No video source
6			No video source
7			No video source
8			No video source

Remaining network bandwidth: 25Mbps

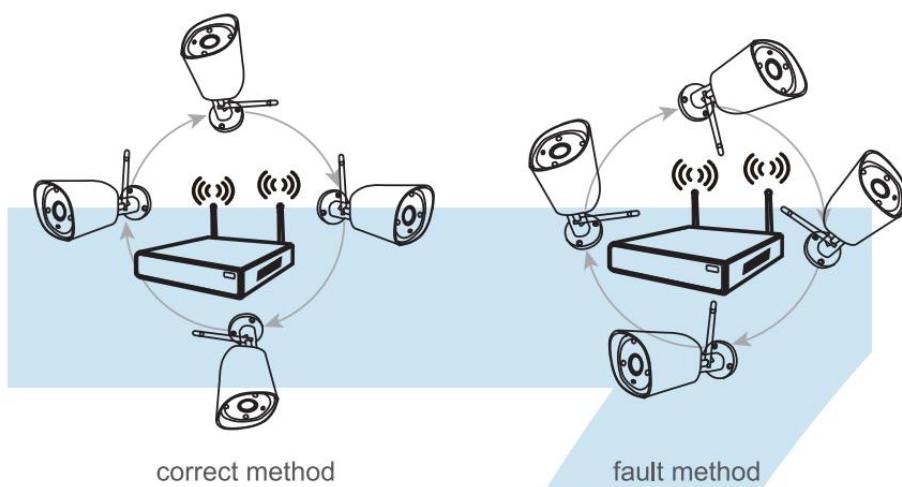
Ok Cancel

Extend WIFI Range

Wireless connection is easy and convenient, but it's not universal application. Because of the character of WIFI, the WIFI signal will decrease when going through some obstacles. Some methods can be applied to bypass obstacles and extend WIFI range.

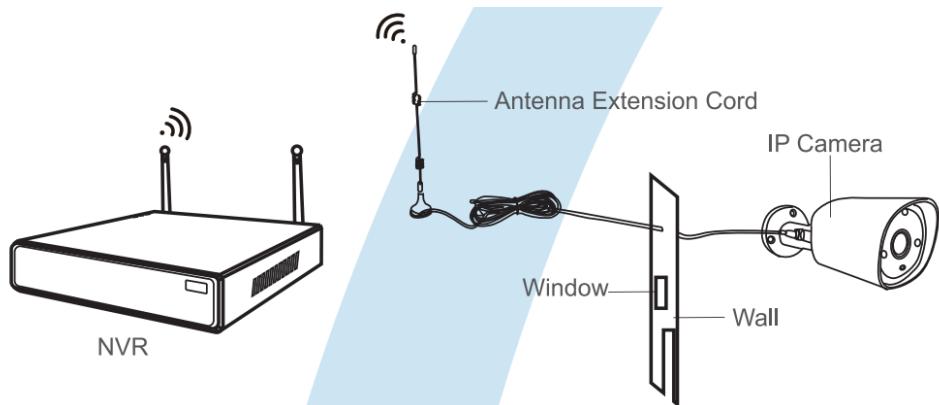
1、Position the Antenna Correctly

WIFI range is like an apple and the antenna of NVR is in the center of it. WIFI signal is strong all around the WIFI range. Antenna of NVR should be put straight up, if not, WIFI signal will be weak. According to the signal transmission character of antenna, the antenna of cameras should overlap or parallel to NVR WIFI range, as pictures showed below:



2、Use Antenna Extension Cord to prolong WIFI distance

Installation method of antenna extension cord



Notes: When WiFi signal is not strong enough against walls, users can take off the original antenna and substitute antenna extension cord. Drill a hole on the wall to let the extension cord go through and simply it where WiFi signal is strong.

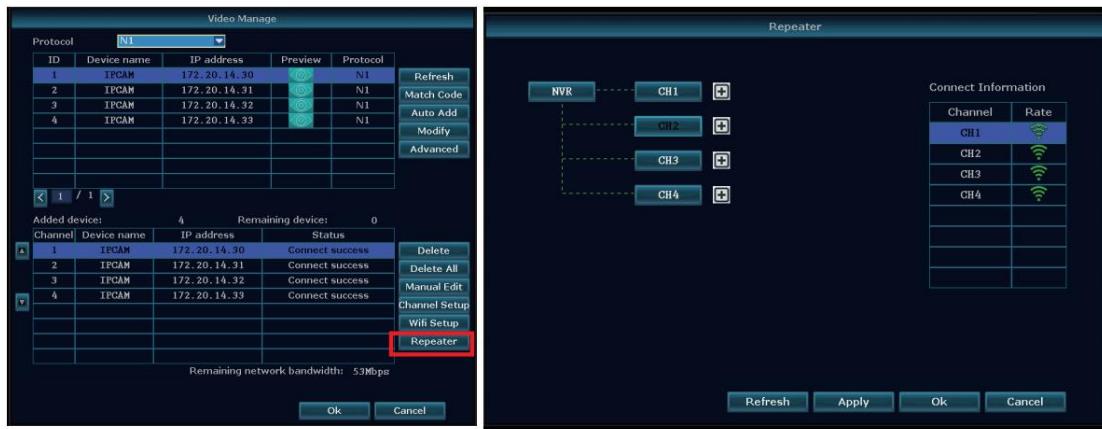
Set up cascading connection in a reasonable solution, extend wifi signal transfer distance

Note:

1. Repeater function can't strengthen WiFi signal for wireless NVR kit, but can extend the distance by repeaters -- WiFi cameras.
2. Only when the repeater cameras and repeated cameras are positioned correctly, WiFi distance will be extended.
3. Repeater function and 3 meters antenna extension cord are two methods to extend WiFi range. Users can choose one according to real situation.

Repeater Setup

Step 1: Right click on NVR's GUI, left click "video management" → then left click "repeater"



Step 2: Add repeater

As picture shown below, click icon + besides channel 3, choose other channel.



Step 3: As picture shown below, it means IPC1 is connected to NVR through IPC2 and IPC3. IPC2 is connected to NVR through IPC3. IPC3 is connected to NVR directly.



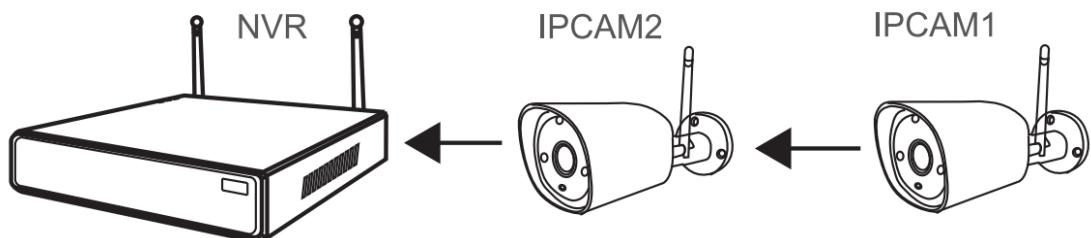
Step 4: Click “Apply” and then click “refresh” to check if the setting is successful.



Delete Repeater

Move the mouse to targeted channels, left click to delete, and then click “Apply” and “OK”.

Application Example



As picture shown above, when IPCAM1 is put somewhere is out of NVR WIFI range, and there is IPCAM2 between them with strong WIFI signal, users can put IPCAM1 close to NVR and power it, setup IPCAM1 repeated by IPCAM2, and then install IPCAM1 to the presupposed place.

warning

Notes:

Device will not in guarantee if caused by below reason:

A.Accident;negligence;disaster; mis-operation.

B. Do not conform to the environment and conditions,such as power improper, working

temperature Too hight or too low,

lightning stroke.ect.

C.Ever be maintained by other center which not belong to the real factory.

D.Goods already sold more than 12 months.



FCC Warning Statement

1. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

2. FCC Radiation Exposure Statement

The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must be located for operating in conjunction with any other antenna or transmitter.