

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

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

Before Installation

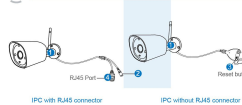
This product may require cabling, we suggest to test all products before installation and cabling.

NVR



- WIFI Antenna: Double antennas in WIFI range.
- HDMI Port: For viewing on HDTV.
- VGA Port: Connect your NVR to Internet.
- Power Input: Power input.
- USB Port: For saving on VGA monitor.

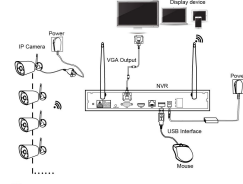
IPC



- WIFI Antenna: IPC connection with NVR.
- DC Port: Input power 12V-1A.
- Reset button: Press reset button for 10 seconds to restore factory setting and enter the restoring mode.
- RS485 Port: For matching code and video connection between IPC and NVR. Anytime there is range limitation for the WIFI signal from NVR. When camera are out of the range, they can't be connected to NVR wirelessly. Then users can use network cable to connect cameras and NVR.

Installation Instruction Of WIFI NVR KIT

Note:
Wireless NVR can't be connected to WIFI router wirelessly at present. They can only be 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.

- Install antenna for camera and the NVR.
- Connect a screen to the NVR via its HDMI or VGA port (HDMI and VGA cable not included).
- Plug the NVR to powerless bigger 12V 24 power adapter.
- Plug camera to powerless smaller 12V 1A power adapter.
- Within seconds, you should see camera's images on the screen.
- Plug the mouse into the USB port on back of NVR. You shall then be able to operate on the system.

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

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

- Unplug your NVR from power management and remove the top cover.
- Connect the SATA power and data cables from the NVR to the corresponding ports on your HDD via SATA.

- Holding the hard drive and the DVR, gently turn it over and line up the holes on the left side with the holes on the NVR. Using a Phillips screwdriver, screw the provided screws into the holes and assemble the cover.

Note: New HDD have to be formatted before recording.
To get better WIFI signal, it had better place the NVR in open area and not too position.

Record Video

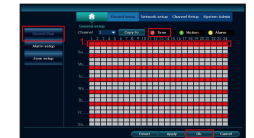
Record video is very easy on camera system.

- Time Recording:** Setup period of time recording on NVR GUI. Right click mouse -> System Setup -> Record Setup -> Record Plan. Click "Time" and put mouse icon on the upper left corner (for example "1" as picture shown), press and drag the mouse to the right to choose the time. The list will turn to green.
- Motion Recording:** Only detect motion and then start recording. Right click mouse -> System Setup -> Record Setup -> Record Plan. Click "Motion" and put mouse icon on the upper left corner (for example "1" as picture shown), press and drag the mouse to the right to choose the time. The list will turn to green.

Record Video

- Alarm Recording:** Right click mouse -> System Setup -> Record Setup -> Record Plan. Click "Alarm" and put mouse icon on the upper left corner (for example "1" as picture shown), press and drag the mouse to the right to choose the time. The list will turn to green.

Note: Users can setup any period of time they want, for example 0:00:00 -23:59:59. That's 24 hours' days recording. When NVR detects hard disk, the default setting will be 24 hours' days recording.



Video Playback

- Right click mouse in main menu -> Video playback -> choose date, channel, record mode -> click Search -> then can view playback file.

Steps: Right click mouse in main menu -> Video playback -> choose date, channel, record mode -> click Search -> then can view playback file.

- Navigation for playback button: 1. Left arrow: last backward 2.4x, 4x, 8x. 2. Right arrow: next forward 2.4x, 4x, 8x. 3. Up arrow: previous frame. 4. Down arrow: next frame. 5. Space: Play/Pause. 6. Enter: Full Screen. 7. Esc: Exit Full Screen. 8. F1: Help. 9. F2: Settings. 10. F3: Search. 11. F4: List. 12. F5: Playback. 13. F6: Backup. 14. F7: System. 15. F8: User. 16. F9: Device. 17. F10: Network. 18. F11: Log. 19. F12: Exit.

- Video backup: Choose the recording file in the list, as number "1" shown in picture. Insert the U flash disk, click "Video backup" to backup the file.

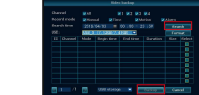
- Timeline: click "date" and "time" at left bottom to check the timeline of recording, show number "2" shown in picture.

- On the timeline with recording file, left click the mouse, then can playback the file.

Video Backup

Use U disk to copy video, so easy and convenient!

- 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 in the list -> video backup (support 32G U disk at max. Recording file is padded one hour per time).
- 1 USB port:** Right click on main menu -> video backup -> choose backup channel -> choose video mode -> setup searching time -> search -> choose recording file in the list -> video backup. Insert U flash disk within remaining 1 minute, then the system will backup recording file to U flash disk.



View On PC Via IE (Internet Explorer)

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

Step 1: Find the IP address and port of your NVR/IP address can be found in System Setup -> Network Setup.



Step 2: Enter the NVR's IP address in your IE browser for example: http://192.1.1.17 (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://192.1.1.17:100).



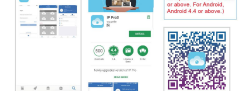
- When your PC is out of local area network with the NVR, for example: view your home cameras from your office PC, access with Device Cloud ID.

Step 1: Open your Internet Explorer (IE) browser and click www.seetool.com.
Step 2: 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

Download the APP "IP PRO3".
Users can use cellphone to scan the QR code below to install the APP file of charge, or users can search "IP Pro 3" on APP store or Google Play and then install the APP.



System Setup

Click right button -> Choose System setup, you then shall enter the menu that enables you to do all settings related to the system.

- General setup:** (This enables you to set)
 - Language
 - Time
 - Display resolution
 - HDD information
- System admin:** (This enables you to set)
 - System version
 - System maintenance including system upgrade
 - User and password management
 - Restore to default settings
 - System log
- Record setup:** (This enables you to set)
 - Record plan for each channel video
 - Record mode
- Network setup:** (This enables you to set)
 - Manage channels and cameras
 - Network related settings
- Channel setup:** (This enables you to set)
 - Manage channels and cameras
 - Channel related settings

Add Wireless Camera

Before leaving factory, NVR kit is already matched code or, the image will come out when the kit is powered. If users need to re-match code or use wired connection, please operation as below:

- Step 1:** Plug NVR and camera to power; after NVR start, right click mouse -> WIFI add-match code interface, their way to match code as below.

For camera with RS485 connector, after start, use network cable to connect with NVR, match code automatically, no need to restore.

- Step 2:** Wireless camera has two kinds, including camera with RS485 connector and camera without RS485 connector. their way to match code as below.

For camera without RS485 connector, after start, click "Match" button on screen, match code completely, click "Exit" to finish.

Notes: For camera without RS485 connector, the process of getting into matching code will last 10 minutes. After 10 minutes, please restore camera to get into matching code model again.



Playback On Mobiles

In the IP PRO3 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 by the C key.

Tip: Videos 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 bandwidth 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 the 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:** Start to change the record settings.
- Volume:** Adjust volume of audio cameras (works only for audio camera).
- Setup Wizard:** Step by step guide of 1st time general settings.
- Fast Network:** Shortcut to network settings.
- WIFI add:** Add IP cameras into NVR channels wirelessly.
- Adjust channel:** Adjust the order of the NVR channels.
- Exit System:** Logout, reboot, close screen output and shut down the system.



Position the Antenna Correctly

WIFI range is like an apple and the antenna of NVR is 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 camera should overlap or parallel to NVR WIFI range, as pictures showed below:



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 hole on the wall to let the extension cord go through and simply put it where WIFI signal is strong.

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 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 prepositioned place.



Warning

Notes:
Device will not in guarantee if caused by below reason:
1. Assistant negligence/operation error.
2. Do not conform to the environment and conditions, such as power improper working temperature too high or too low, lightning stroke etc.
3. Error be maintained by other center which not belong to the real factory.
4. Goods already used more than 12 months.

FCC RADIATION NORM

FCC
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Compliance Statement

These limits are designed to provide reasonable protection against frequency interference in residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if not installed or used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in this installation. If you are experiencing interference, you may wish to take the following steps:
-Reorient or relocate the receiving antenna.
-Increase the separation between the equipment and the 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.

NOTE: 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 or used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in this installation. If you are experiencing interference, you may wish to take the following steps:
-Reorient or relocate the receiving antenna.
-Increase the separation between the equipment and the 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.

CAUTION!

The Federal Communications Commission warns the user that changes or modifications to the unit and not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: 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 the 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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.