**Statement**

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

**Safety Caution**

1. Do not put any fluid container on the product.
2. Please use the product in a well-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.

Please obey the regulation and policy in your country and area during the installation of this.

**Out Of Box Audit**

After resolving the problem, please check all products and accessories to ensure that the product’s packaging includes the information. If any is missing or damaged, please contact the distributor.

**Before Installation**

This product may require setting; we suggest to test all products/inputs before installation and testing.

### NVR

- **NVR Antenna Port:** Double antennas to WiFi range.
- **WAN Port:** Connect your NVR to Internet.
- **VGA Port:** For viewing on VGA monitor.

### IPC

- **WIFI antenna:** WiFi connection with NVR.
- **DC Port:** Input power 12V 1A.
- **RS485 Port:** For matching cables and wired connection between IPC and NVR. Our WIRELESS KIT is a wireless NVR kit. If you need to switch to wired connection, please refer to how to add IPC camera as below.

### Installation Instruction Of WIFI NVR KIT

1. **Power Supply:** Connect the power supply cord to the NVR.
2. **Network Connection:** Connect the NVR to the network through the wired connection.
3. **Monitor Connection:** Connect the monitor to the NVR through the video output.
4. **Power On:** Turn on the NVR and wait for it to boot up.
5. **Network Connection:** Once the NVR is powered on, connect it to the network.

**Note:**

- Wireless NVR can’t be connected to WiFi router wireless 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.

1. **Install antennas for cameras and the NVR:**
2. **Connect a screen to the NVR via HDMI or VGA port:**
3. **Plug the NVR into power:**
4. **Connect cameras to power (same 12V power adapters):**
5. **Within seconds, you should see camera’s images on the screen:**
6. **Plug the mouse(please):**

In the OS, you can find full functionalities including live view, record, playback, video backup, and all settings. **Default ID:** 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 with 3.5” SATA HDD or 2.5” SATA HDD.

1. **Unplug your NVR from power source 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. **Hold 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 according to 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 09:00-23:30 Sata means 24*7 recording. The system records 24*7 by default when it detects hard disk.
2. **Manual Record:** click right button—Manual Record, you can turn ON or turn OFF the record of certain channels. Red dot on right above channel 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 selecting Time and selecting Motion, the channel left 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 videos. Click playback to start play record video.

**Video Backup**

Use SD card to copy video, so easy and convenient! 1. **USB port:** Plug USB flash drive 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 file—video backup (support 32G USB flash drive max. Recording file is packed one hour per time.)
2. **USB port:** Right click on main menu—video backup—choose backup channel—choose video mode—setup searching time—search—choose recording file on the file—video backup, insert USB flash drive within reminding 1 minute, then the system will backup recording file to USB flash drive.

**View On Mobile**

Download the APP “IP PRO”.

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

**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).

1. **Find the IP address and port of your NVR:** Address can be found in System Setup—Network Setup.
2. **Open IE:** Enter the NVR’s IP address in your IE browser for example: http://192.168.1.7 (if the default WIFI port 80 has been changed e.g., to 10, you’ll need to add new port number when input IP address in the browser, for example: http://192.168.1.7:100).
3. **When your PC is in local area network with the NVR:** For example: view your home cameras from your office PC.

Access IP Camera ID 1. Open your Internet Explorer browser and visit: www.woon-seo.net.com. 2. Input Device ID, User name and password to log in. (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.)
Add the NVR system to your APP device list
Run the APP “IP PRO”, login with your account or choose the “Add device by IP”. 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 device to view the camera.
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 the 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.

> System setup

Click right button—Choose System setup, you 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 of each camera
  - Auto switch from 1 camera to another

- **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.

> 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.

> 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.

> 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 antennas of cameras 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 take off the original antenna and substitute antenna extension cord. On the wall to let the extension cord go through and simply put it where WIFI signal is strong.

> set up cascading connection in a reasonable solution, extend WIFI signal transfer distance

1. Repeater function can’t strengthen WIFI signal for wireless NVR kit, but can extend the distance by repeaters → WIFI cameras.
2. Once the repeater receives WIFI signal, the 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.

> Reproater 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 channel, 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:
  1. Accident/brigade, disaster, machine dysfunction.
  2. Do not conform to the environment and conditions, such as power shortage, working temperature too high or too low, lightning strikes, etc.
  3. Ever be maintained by other center which not talking to the factory.
  4. Grade already sold more than 12 months.