FOSCAM
home security

Quick Setup Guide

For detailed manuals, tools, etc., please visit **foscam.com/downloads.**
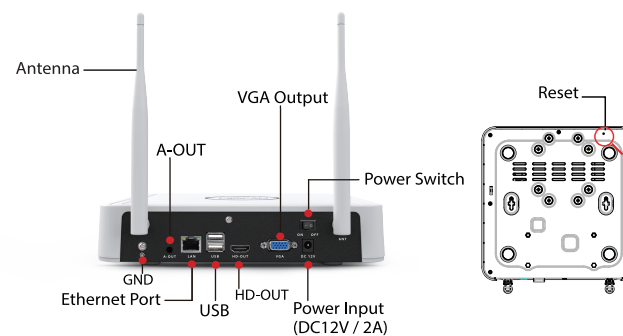
V1.2

1 Security Tips

- Do not install the wireless NVR in humid and dusty environment.
- Put the wireless NVR in drafty environment in case of ventilation port being blocked.
- Check the power supply to avoid damage because of voltage mismatch.
- Make sure the wireless NVR working within suitable temperature and humidity environment.
- Please install the wireless NVR horizontally, and avoid vibration.
- Short circuit may occur when dust become wet on circuit board. Please clean the dust on circuit board, connectors, and NVR case.
- Explosion may happen because of improper replacement of battery, do not replace it by yourself; If you need, make sure it is the same type of battery. And do not open or repair it.
- Please use suitable and professional hard disk to ensure continues and stable recording.
- Lightning protection is needed when device is connected to communication cables. Ethenet cable which comes form outside, connecting to the wireless NVR directly is forbidden.

2 NVR Kit Contents

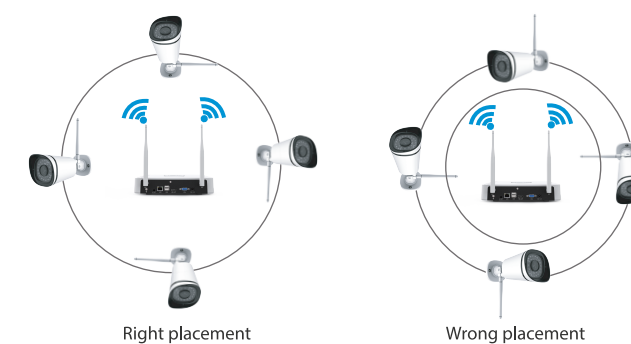| 4-Channel NVR	
4 x 1080P Bullet IP Cameras	1.5m (5 ft) Ethernet Cable
4 x Power Adapters for Cameras	1 x Power Adapter for NVR
Quick Setup Guide	Warranty Card
USB Mouse	Mounting Screws

3 NVR Rear Panel

Antenna
VGA Output
A-OUT
Reset
Power Switch
GND
Ethernet Port
USB
HD-OUT
Power Input (DC12V / 2A)

4 Wireless Connectivity

WiFi Connection
Monitor
VGA Cable
Computer   Router   Ethernet Cable   HD-OUT Cable   TV

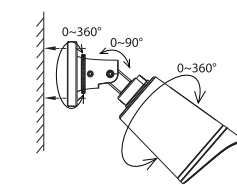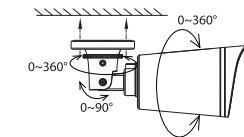## 5 Placement of Wireless IP Camera

Right placement   Wrong placement

The shape of wireless NVR signal coverage is a ball, antenna is located in the center. Signal is strong around antenna, and weak in the dent area of the 2 antennas.
Based on the signal spreading ways, please make the wireless IP Camera keeping parallel or tangent with wireless NVR, which ensure stable signal transmission and better picture quality.

6 Camera Installation

Place the cameras in your preferred locations and use the included screws to mount them.
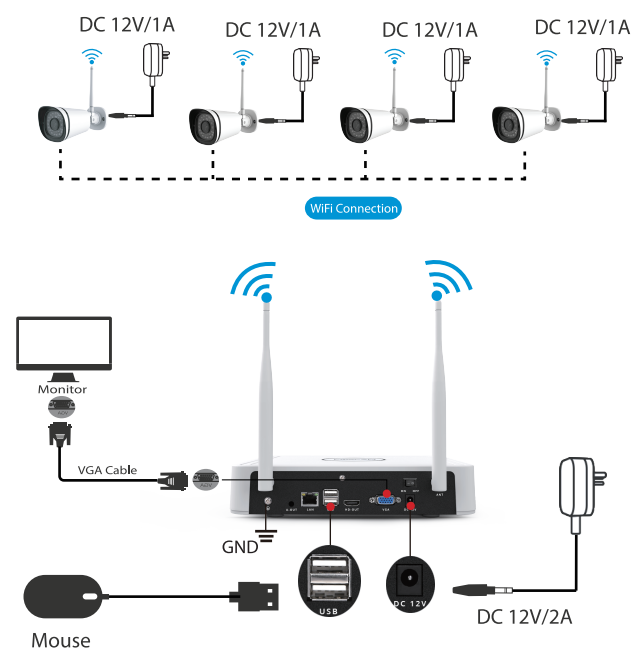

Important Note:

When installing the cameras please ensure that the connection ports at the end of the pig tail wiring are not exposed, as they are not weather-resistant.

7 Powering Up

DC 12V/1A   DC 12V/1A   DC 12V/1A   DC 12V/1A

WiFi Connection

Monitor
VGA Cable
GND
Mouse
DC 12V/2A

Please make sure the voltage of power supply is matched with wireless NVR, and ground connection work well in socket. Connect the NVR and cameras as shown in the fgures above. Once the NVR is plugged in, press the power switch located on the rear panel.
After the NVR starts up successfully, the Power LED indicators will turn green, it means system runs smoothly.

8 Software Operation

1. NVR adds IP Camera method

Note: The NVR and IP Camera are already paired. If you need to rematch, please refer to the following steps.

① Right-click on main interface, select **IP Camera - Add- Match Code.**

② If just match one device, please connect IP Camera and NVR with IP cable in WAN port. For multiple matching, please connect IP Camera to switch, and connect NVR to switch in WAN port.

③ Click **Match Code**, system will match the code between IP Camera and NVR.

④ When finished code matching, click **Search**, then select **Add All**. User also can click ⊕ to add it and view picture.

2. Record and Playback

① Manual Record: Right-click → **Manual Record** → choose recording channel → **Save** (Actually, the Wi-Fi NVR system have default set 24th recording).

② Playback: Right-click → **Playback** → choose channel and date → double click date to query → double click timeline to check record.
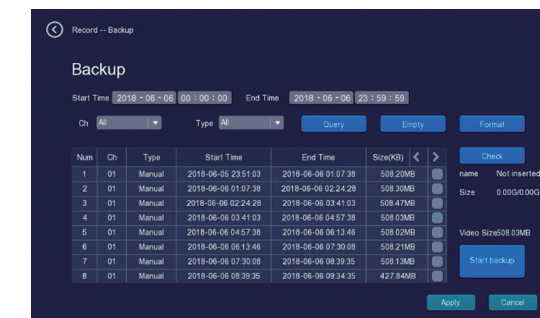
3. Backup

Insert U disk to NVR USB port → Right-click→ **Menu** → **Record** → **Backup** → choose time, channel and type→ **Query** → select target file → **Start Backup** (some wireless NVR will just 1 USB port, please pull out mouse and insert backup device in 45S after click **Start Backup**.
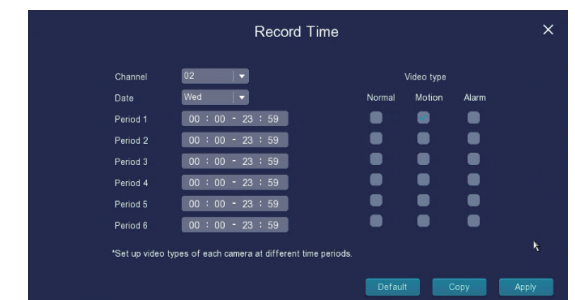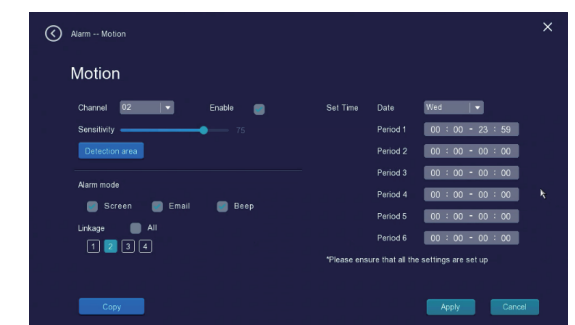
Note: If target file can not be searched out, please click **Empty** → **Add**. Please remove the files which is no need before backup. Ensure insert device (like USB) in 45 second, as system reserved searching time for it is 45 second.

4. Motion Detection Record

① Right-click → **Menu** → **Alarm** → **Motion Detect** → choose target channel→ click **Enable** → Set Sensitivity & Area & Time & Alarm mode→ Choose Channels for recording when Motion Detection Alarm is triggered→**Apply**. Back to **Record** interface → **Record time** → **Custom** → set record period of target channel→ click **Motion** → **Apply**. User can also set shelter and linkage alarm in the same way above.
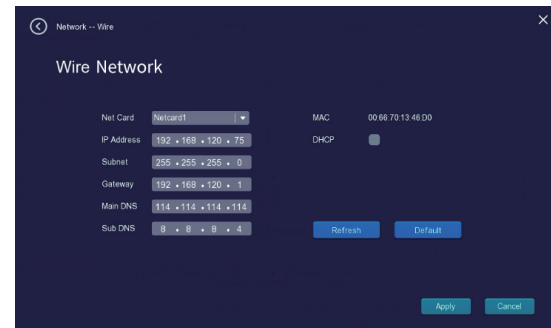
5. Internet Connecting

Menu → Wire Network

In LAN, there are 2 ways for wireless NVR to connect to Internet.
Manual setting: Fill in IP address, DNS data, and click **Apply**.
DHCP: open DHCP, device will connect to Internet automatically, no need data setting.
If user doesn't familiar about the network environment, prefer use DHCP first, please.
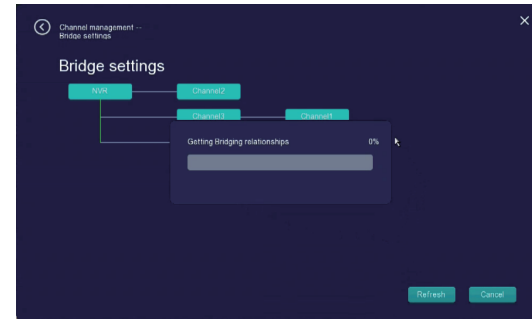

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6. Auto Bridge

By new mesh network auto-bridging function, without any manual setting, wireless camera in further area will have a judgment about the WIFI signal and auto connect to the camera which have a better WIFI signal, to achieve more stable and reliable video transmission.
Auto bridging is designed to expand the coverage area of wireless signal, instead of enhancing the signal. When camera is a little far away from NVR, or there are too many interference factors/sources between them, camera in further area will auto bridge/connect to the one nearby to transmit the video data.
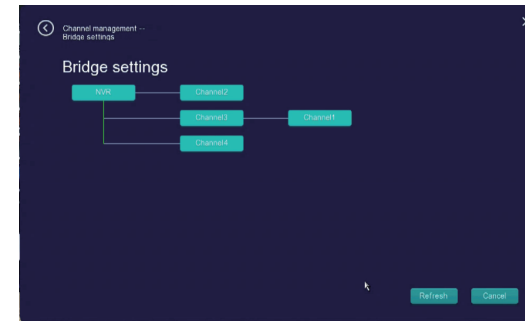
① Check the bridging
information Right click →**Channel** → **Bridge.**

② Then, bridging relationship will be showed on the interface automatically.

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③ Picture above shows 2 auto bridging connect types
One by one: CH1 → CH3 → NVR Connected directly to NVR: CH4 → NVR

Note: please ensure there is no obstacle in two cameras, let them be visible in pairs,which means when person in one camera installing position, he/she can see the other camera, as it will benefit for image to transmit stably.

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7. Wire connect

Wireless connect is very convenient, and wire connect is also a good supplement.
In some complicate scenes, like too much thick obstacles / metal which will weaken signal, even lead to disconnection, then wire connect will help to solve it to ensure image clarity and stability.

Steps:

① Connect IP Camera and NVR with network cable directly or through switch, **Menu → IP camera → Search** → select target IP address (as the IP address is the same before modify) → **Modify the device IP**.

② Delete the channel which no need to add → double click the target IP address to finish connection.

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9 Foscam App

1. You can also simply go to the App Store or Google Play and search for the term "**Foscam**". Download the APP to your smartphone, or scan the QR Code on the below, it will take you to the download page to install the **Foscam APP**.
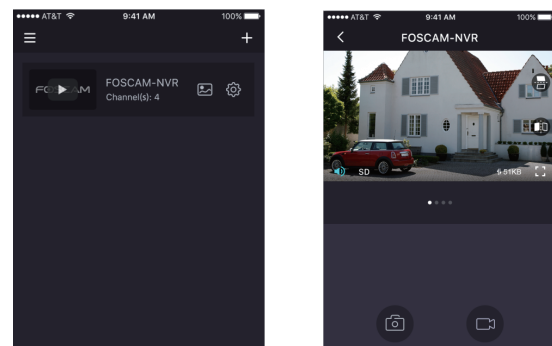

2. Run the Foscam APP, and then register for a Foscam account.

3. Device Adding: Once logged in, you can tap the "+" button on the APP, and then select "NVR Kit", after that scan the QR code, which is located at the bottom of your NVR.

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4. Preview: click device in list to enter preview interface, select a channel to view it's picture, click ⊞ to enter full-screen, as follow shows:
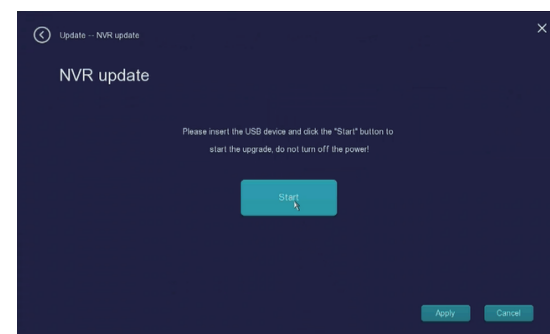

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10 Upgrade

You can upgrade your NVR and cameras system with local Software.

NVR Upgrade:
Download the firmware to the U disk → Insert U disk to NVR USB port → Right-click→ **Menu → Upgrade→ NVR Upgrade** → click **Start** to upgrade your NVR.

Note:
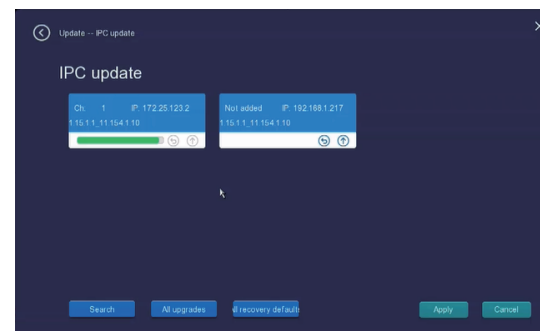Don't shut down the power during upgrade. After upgrading, NVR restarts.

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IPC Upgrade:
Download the firmware to the U disk → Insert U disk to NVR USB port → Right-click→ **Menu → Upgrade→ IPC Upgrade** → click ⊕ to update this camera or click **All upgrades** to upgrade your all cameras.

IPC Restore default:
Right-click→ **Menu → Upgrade→ IPC Upgrade** → click ⟳ to restore default this camera or click **All recovery default** to restore default your all cameras.

Note: Don't lose power for 5 minutes during upgrade.

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11 Product Performance

WLAN, frequency range: 2400 MHz - 2483.5 Mhz.
Maximum transmission power: < 20dBm
Wireless Mode: IEEE802.11b/g/n

12 Technical Support

If you have problems with your Foscam device, please contact the reseller you purchased from, or you can e-mail the headquarter technical support team: **support@foscam.com**

Your valuable comments and suggestions on improving Foscam products are welcomed!

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CE Certificate statement Website:
https://www.foscam.com/company/ce-certificate.html

Exporter and Importer Information Opened to Public:
https://www.foscam.com/company/open-information.html

Manufacturer: Shenzhen Foscam Intelligent Technology Co., Ltd
Addr: 9/F, Block F5, TCL International E City, No.1001
ZhongShanyuan Rd., NanShan District, Shenzhen, China, 518055

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As a result of product upgrades and other reasons, this guide may not be able to update in time, resulting in inconsistency with the official website information, please take the official website(www.foscam.com) information as the standard.

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