



SDR 0404WK WIFI NVR QUICK MANUAL

Statement

Thank you for purchasing our products. If you have any questions or need, please feel free to contact us.

This manual is applicable to network wireless NVR.

The company will update the contents of this manual according to the enhancement of product functions, and will regularly improve or update the products or procedures described in this manual. Updates will be included in the new version of this manual without notice.

If the description of the product in the manual is inconsistent with the real product, the real product shall prevail.

Safety Precautions

Note: The power is 12V

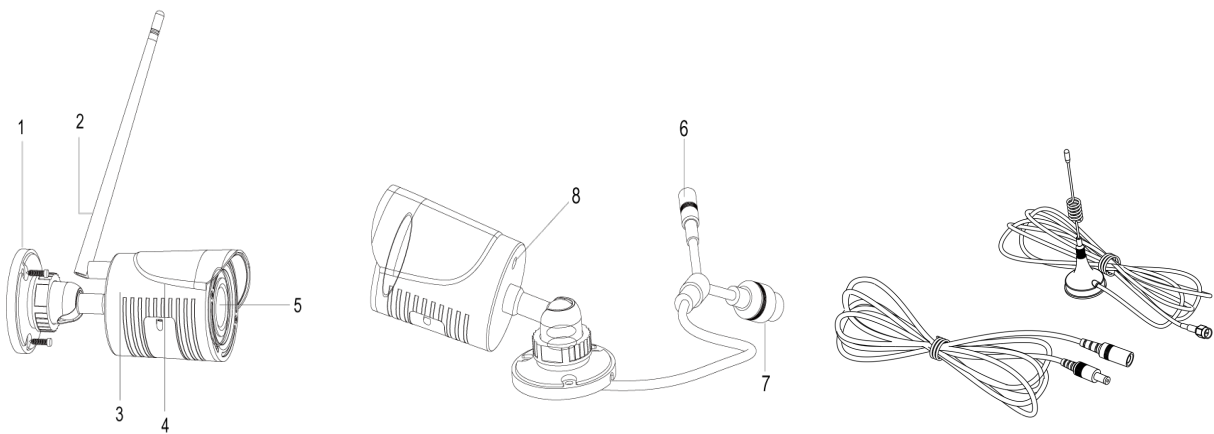
1. Please do not expose the wireless NVR to damp and dusty environment;
2. The wireless NVR should be placed in a well-ventilated place and should not block the vents of the product;
3. Check power supply voltage to prevent device damage caused by voltage mismatch;
4. The wireless NVR should work within the temperature and humidity allowed by the technical indicators;
5. Place the wireless NVR horizontally and avoid installation in the environment of violent vibration;
6. The dust on the circuit board will cause a short circuit after being affected by moisture. In order to make the wireless NVR work normally for a long time, the brush can be regularly used to remove dust on the circuit board, connectors and chassis.
7. Improper battery replacement may cause explosion, so it is not recommended for users to replace the battery by themselves; If replacement is required, only use the same type or equivalent type of battery to replace, do not try to open or repair the battery;
8. Please select the hard disk recommended by the manufacturer, which is suitable for wireless NVR work requirements, to meet the requirements of long time and large amount of data reading and writing. At the same time, please purchase it from official channels to ensure the quality of the hard disk;
9. Pay attention to lightning protection when connecting various communication cables. It is strictly prohibited to connect the Ethernet cable introduced outdoor directly to the wireless NVR.

Part 1 Hardware Introduce

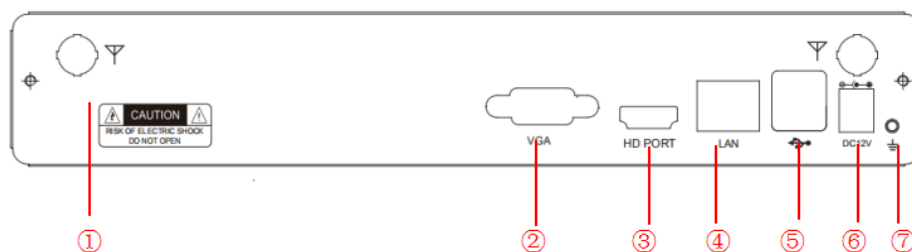
1. Check

After receiving the products, please open the packaging box, take out the equipment and put it in an appropriate place, and confirm the packing products and accessories according to the packing list in the box. If any item in the box is found damaged or any parts are in short supply, please contact the distributor in time.

2. WIFI NVR KIT Structure

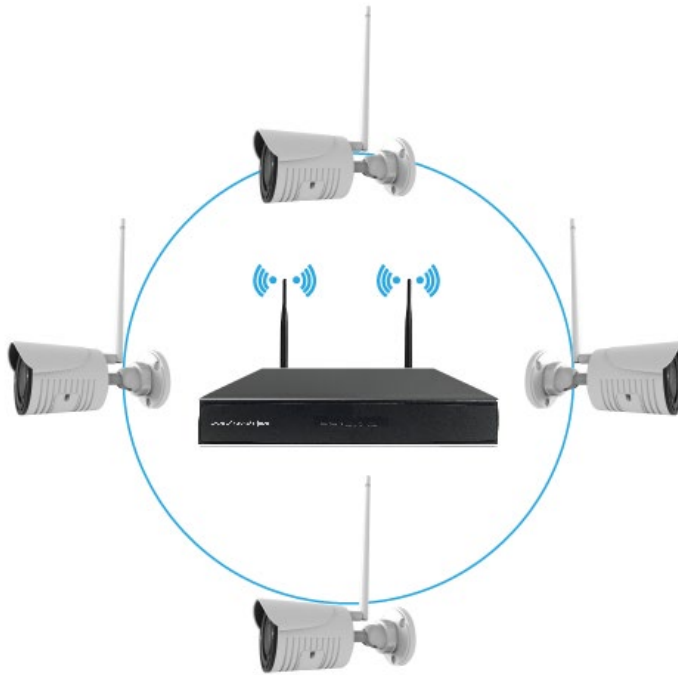


| NO. | Name | Describe |
|-----|----------------------------|--|
| 1 | Triaxial adjusting bracket | Support |
| 2 | Antenna | Wireless signal transmitting/receiving antenna |
| 3 | Rear cover | IP camera rear cover |
| 4 | Front cover | IP camera front cover |
| 5 | Double loop glass | Prevent light leakage inside the lens |
| 6 | Power | DC12V |
| 7 | Pairing button | Support |
| 8 | Antenna Interface | Antenna install slot |
| 9 | Extension cable | WIFI/Power |



- ① Antenna
- ② VGA video output
- ③ HDMI video output
- ④ Network
- ⑤ USBx 2
- ⑥ DC 12V Power input
- ⑦ GND interface

3. WIFI IPC Installation Direction



Wireless signal space coverage is similar to an apple, the antenna is located in the heart of the apple, around the antenna signal is strong, the antenna ends are concave, the signal is weak. According to the divergence characteristics of the antenna to the signal, in order to ensure the image effect of the wireless set, the antenna of the wireless IPC should try to keep parallel or tangent to the signal by the wireless NVR antenna, as shown in the figure above.

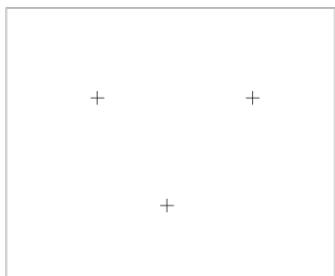
4. WIFI IPC Installation

Before installation, please make sure the equipment in the packing box is in good condition and all parts are ready.

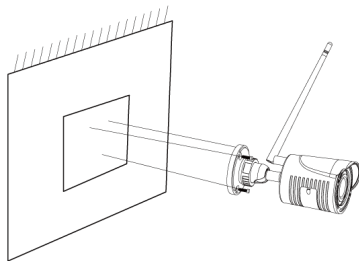
Note: the mounting wall shall be of a certain thickness and shall bear at least 4 times the weight of wireless IPC and mounting accessories.

Steps:

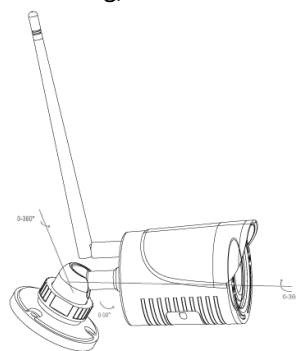
1. Drill mounting holes: mark the mounting holes of the base, drill holes at 3 marking points with a drill bit with a diameter of 5, with a hole depth of no less than 30mm, and drive the attached expansion thresing;



Picture 1-1 Install stickers



Picture 2-2 FIX IPC



Picture 2-3 Support triaxial adjustment

2. Fixed wireless IPC: this wireless IPC adopts the bracket integrated structure, and three PA4 screws are used to fix the wireless IPC base at the position to be installed, as shown in figure 2-2.

3. Triaxial adjustment: release the locking screw of wireless IPC support to make triaxial adjustment. The adjusting bracket and the base are connected by an axis to achieve 0-360-degree adjustment in the horizontal direction (P direction).

Adjustment bracket ball shaft can achieve vertical direction (T direction) 0-90-degree adjustment and rotation (R direction) 0-360-degree adjustment. After adjusting the wireless IPC image to the appropriate scene, tighten the adjusting screw and complete the installation, as shown in figure 2-3.

5. Turn On/Off

Verify that the incoming DC voltage matches the requirements of the wireless NVR, and ensure that the middle grounding end of the wireless NVR power socket is well grounded. After connecting the POWER supply, the equipment starts to turn on the POWER indicator. After entering the system, the panel status POWER indicator will turn on normally.

6. WIFI NVR and IPC Specification

| | |
|-----------------------------|--|
| Resolutio n | 1080P |
| Effective pixels | 1920*1080 |
| Minimum illuminati on | 0.05Lux/F1.2(Color); 0.01Lux/F1.2(Black and white) |
| Day night mode | Support |
| Image | 1920*1080 |

| | | |
|----------------------|--|--|
| format | | |
| Frame Rate | 15fps | |
| Cover set | Support | |
| Image set | Brightness, contrast, saturation, hue | |
| Color to Black | Support | |
| Alarm | Video loss, network disconnection, IP address conflict, motion detection, occlusion detection, | |
| Protocol | Siera Private agreement | |
| Common functions | Video playback, video backup, bit rate and frame rate adjustment, network settings | |
| Power | DC12V 1A | |
| Consumption | ≤6W | |
| Work environment | -10°C~50°C, 30%~80%RH | |
| Size | 165 (L) *66 (W) *66 (H) (Not including antenna) | |
| Weight | About 350g | |
| System | Video Compression | H.264/H.265 |
| | OS | Linux OS |
| | VGA output | Support |
| | Loop | No |
| | HDMI output | Support |
| Audio | Audio in | No |
| | Audio out | No |
| Record | Channel number of real-time recording | 4CH |
| | Recording mode | Schedule, Manual, Motion, External Alarm |
| Playback | Simultaneous playback | 4CH |
| | Search mode | Time, Calendar, Event, Channel |
| Backup | USB HDD /U-disk | YES |
| | USB DVD Burner | NO |
| | Backup file format | AVI/H.26X |
| Remote Access | Browsers | YES |
| | CMS | YES |
| | Mobile phone operating system | YES |
| Alarm | Alarm input | no |
| | Alarm output | no |

| | | |
|----------------|---------------------|--|
| Storage | HDD number | 1 pcs |
| | E-SATA | NO |
| PTZ | Protocol | SIERA, PELCOP, PELCOD, SAMSUNG. |
| | Control mode | Pan, Tilt, Zoom, Preset, Cruise, Trace |
| Network | Ethernet port | 10 / 100 Mbps Ethernet (RJ-45) |
| | Network protocol | TCP/IP, DHCP, DDNS, NTP, SMTP |
| Other | Remote control | Yes |
| | Power supply | DC12V/2A |
| | Working temperature | -10°C ~60°C |
| | Humidity | 10% ~ 90% Humidity |

Part 2 Software operations

1. NVR Booting

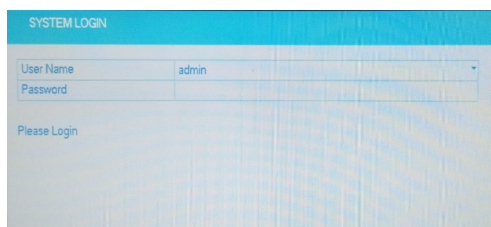
After NVR booting, please according to the guide operate.

1. Download APP, scan and add device.
2. NVR default network setting is DHCP on. (User can close DHCP and set IP & Gateway & DNS by themselves)

2. Login

After the device boots up, the user must login and the system provide the corresponding functions according to the permissions of the logged in user.

When the device is delivered, there are two preset users: admin and guest, no password by default. The factory preset user of admin is with superuser privileges; the factory preset user of guest is with permissions for preview and video playback.



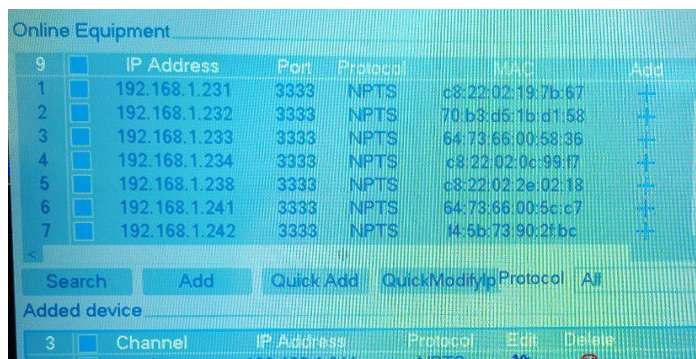
Password Protection: If the password is entered wrong for 6 times consecutively, there will be alarm to lock the account (after the system reboot or half an hour, the locked account will be unlocked automatically). For security reasons, please change the user name and password in the “User Management” in time.

3. Add and Paired IPC

Note: The device default is paired.

Operate:

1. Right mouse click-> main menu-> camera management-> pairing-> search-> add, automatically add LAN IPC for all channels.
2. Right mouse click-> camera manager-> manager-> pairing-> search-> add



4. Encode Setting

Color setting and Image quality and default setting can be achieved by setting coding parameters. The interface for setting this function can be found through the following channels: [main menu]→ [camera management] →[remote channel configuration] →[video coding configuration]. The interface is as follows:



5. Recording Playback

Recording playback mainly includes recording query, recording file playback and other operations. Open recording playback methods:

1. Click the right mouse button in the preview interface, pop up the menu, and select [video playback] in the menu;
3. [main menu]→ [recording function]→[recording playback].

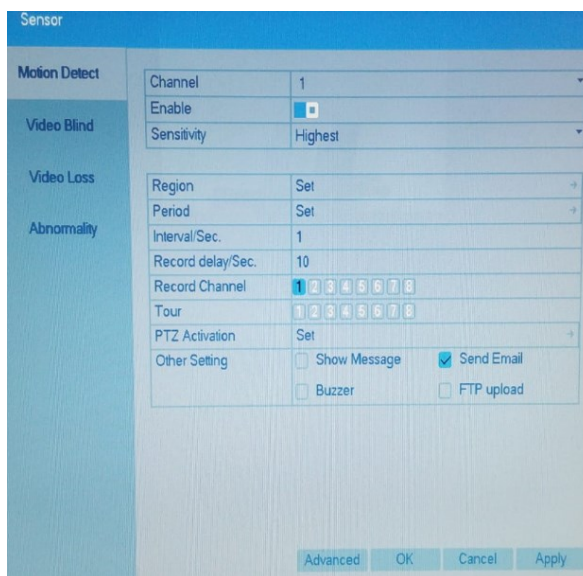
6.Motion Detection Setting

The motion detection Settings are divided into two parts:

1)The alarm function setting of the motion detection (enable switch, sensitivity, detection area, time period of protection and removing defense, interval time).

2)Linkage Settings of motion detection (screen prompt, beeping, alarm output, patrol), and some linkage Settings of motion detection that need to be combined with other functional Settings (such as linkage recording and sending Email).

The interface of the function setting can be found through the following channels: [main menu]→ [alarm function]→ [motion detection]. The interface is as follows:

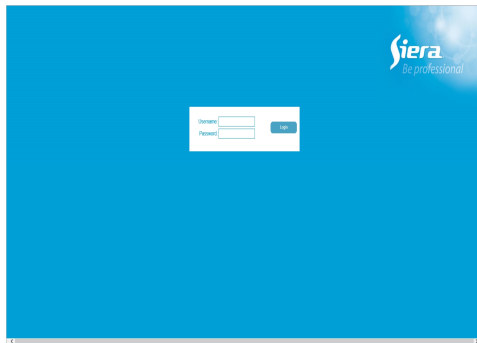


Picture A

Part 2 Remote Connection

1. WEB Remote Connection

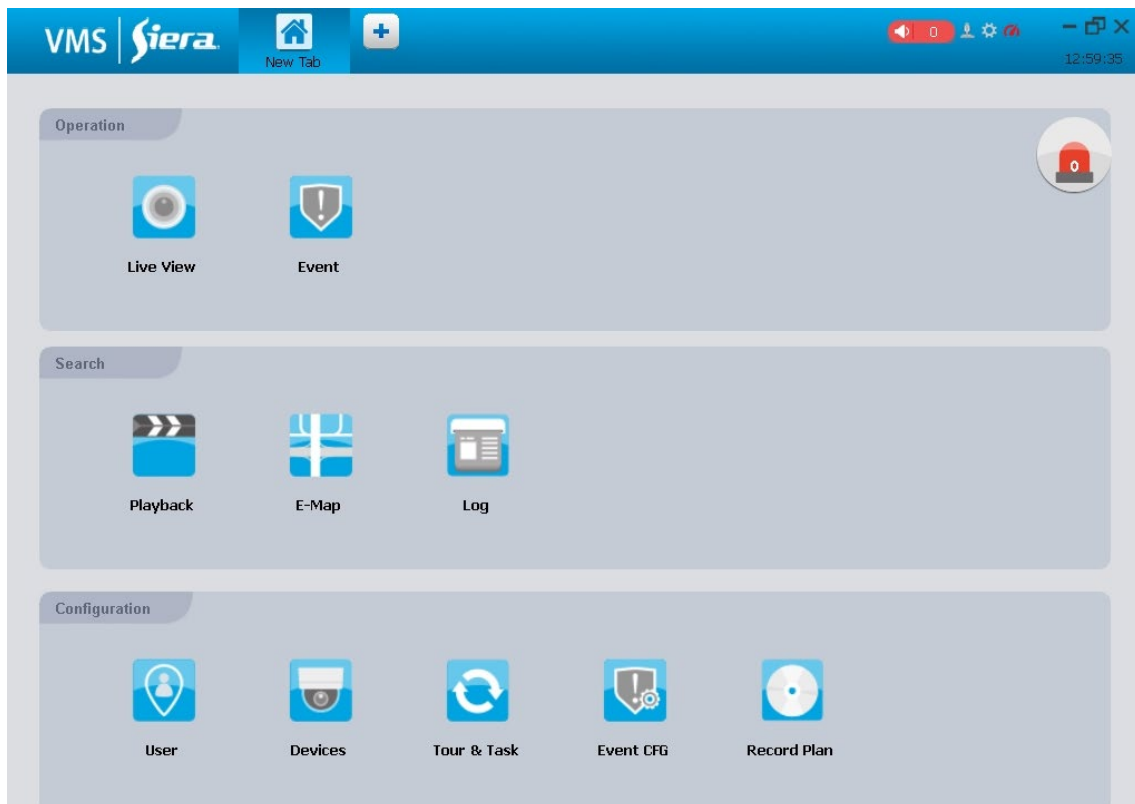
After the network is connected, use the browser that comes with PC, input the IP address of the device, login the device for remote monitoring.



WEB login interface

2. VMS Software

VMS for multi-device remote monitoring professional software, has the advantages of security, convenience, stability and multi-device unified management, and easy installation does not need to download plug-ins. Please refer to the user manual of VMS manual.



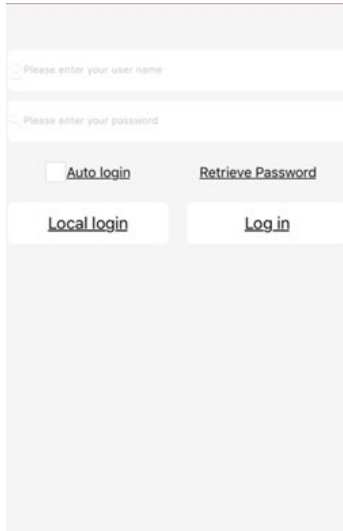
VMS interface

3. iSMS APP monitoring

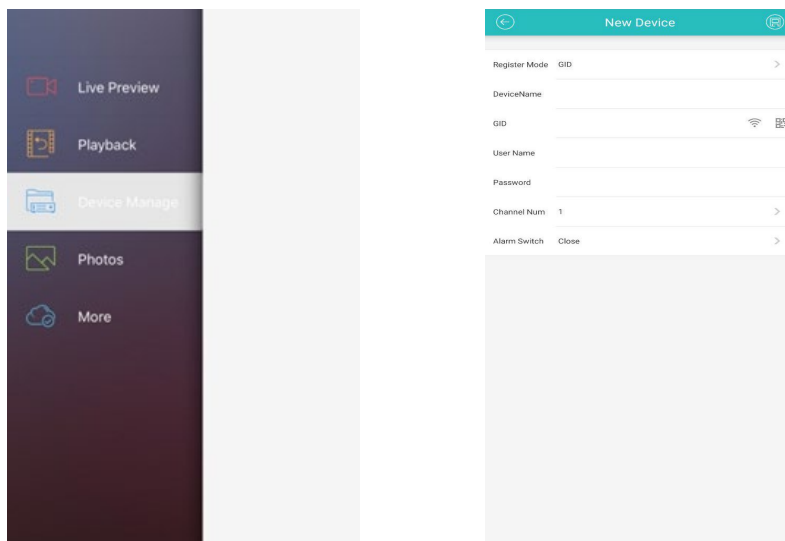
The function of mobile phone monitoring is enabled by default; Enter the System settings ->Network services ->Cloud services, you can view the server address, port & UID and download the APP for IOS or Android system by scanning the QR code. Software for mobile phone monitoring: View, mobile phone monitoring port: 5800.

Instructions for the APP:

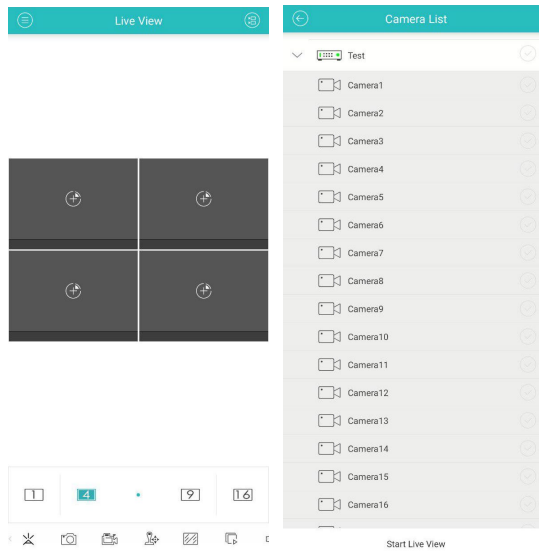
- (1) Login: There are two ways to log in: Login and Local login. For Login, you need to register an account first. After registering successfully, you can log in, and all the devices added will be recorded to the current account. Use another equipment to login this account, and it will display all the previous devices. For Local login, it does not require registration, and it is limited to this mobile phone; for another one to login, it will not display the previously added devices.



- (2) Add device: Enter the Device Manage interface, click the "+" button in the upper right corner, then enter the serial number, user name and password to add devices.



- (3) **Live preview:** Enter the **LivePreview** interface, click the "+" button in the middle, then select the device and channel to preview the device.



(4) **Remote playback:** Enter the Playback menu, click the "+" button in the middle, then select the channel, start time and the end time to playback the device. It is up to 4-channel playback.

