Wireless NVR Kit Quick Operation Guide

iOS   Android

Please read the guide or user manual carefully before using

Hardware

1.Statement

- Thank you for using our product, please contact us if you have any problem.
- This guide is for Wireless NVR Kit.
- Content may be modified and updated based on new function.
- The function of the actual products maybe a little different from the guide, please operate it based on the actual products.

2.Attention

① Do not install the wireless NVR in humid and dusty environment.
② Put the wireless NVR in drafty environment in case of ventilation port being blocked.
③ Check the power supply to avoid damage because of voltage mismatch.
④ Make sure the wireless NVR working within suitable temperature and humidity environment.
⑤ Please install the wireless NVR horizontally, and avoid vibration.
⑥ Short circuit may accur when dust become wet on circuit board. Please clean the dust on circuit board, connectors, and NVR case.
⑦ Explosion may happen because of Improper replacement of buttery, do not replace it by yourself; If you need, make sure it is the same type of buttery. And do not open or repair it.
⑧ Please use suitable and professional hard disk to ensure continues and stable recording.
⑨ Lightning protection is needed when device connect to communication cables.

3.Open and Check

Open the package when received, put the products in suitable place,please check the products based on packing list. If there is anything broken or missing, please contact to us as soon as possible.

4. WiFi NVR Kit Diagram

5.Placement of Wireless IPC

Right placement   Wrong placement

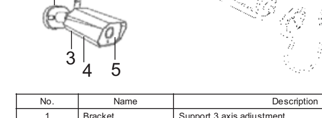
The shape of wireless NVR signal coverage is a ball, antenna located in the center. Signal is strong around antenna, and weak in the dent area of the 2 antennas.

Based on the signal spreading ways, please make the wireless IPC keeping parallel or tangent with wireless NVR, which ensures stable signal transmission and better picture quality.

6.Installation of wireless IPC

Attention: The IPC should install on the wall with suitable thickness, which can sustain 4 times weight of IPC.

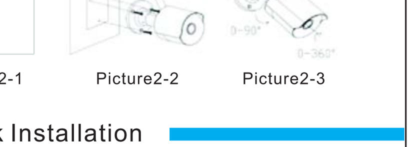
6.1 Interface of wireless IPC



No.	Name	Description
1	Bracket	Support 3 axis adjustment
2	Antenna	Transfer and receive wireless signal
3	Rear cover	Rear cover of the case
4	Front cover	Front cover of the case
5	Double loop glass	Prevent inside light-leaking of lens
6	Power supply	DC 12V
7	Ethernet port	connect to Ethernet IP cable, 10/100M auto-adjustable
8	Antenna interface	Connect to IPC antenna

6.2 Installation step

① Hole location sticker: put the sticker on the wall, punch with 5mm drill in the marked areas, make sure the deep of hole is over 30mm at least.Then punch expansion screws in hole. As Picture 2-1 shows.
② Fixing IPC: The structure of wireless IPC is integrated, please use 3 pcs PA4 screw to fix IPC on the wall. As picture 2-2 shows.
③ Bracket adjustment:loosen the screw on IPC, the range of angle for adjusting is showed on picture below,adjust the IPC to suitable direction, then tighten the screws. As picture 2-3shows.

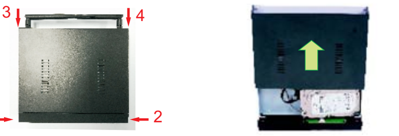


Picture2-1   Picture2-2   Picture2-3

7. Hard Disk Installation

Attention:
Please use suitable and professional hard disk;
Make sure power turned off before install.

Step 1: Put the NVR on table horizontally, loosen 4 pcs M3*6 screws,as picture7-1 shows;
Step 2: Push the cover with the direction showed in picture 7-2;



picture7-1   picture7-2

Step 3: Connect data cable and power supply cable to the ports onhard disk separately, as picture 7-3 shows.
Step 4: Match the hole between hard disk and NVR case, as picture 7-4 shows;

picture7-3   picture7-4

Step 5: Keep NVR with sideways, fix hard disk with 4 pcs Bm6#-32*6 screws, as picture 7-5 shows;
Step 6: Install the NVR cover, fix it with 4pcs M3*6 screws, and change NVR antenna to the direction as picture 7-6 shows.

picture7-5   picture7-6

8.Interface

① Antenna
② VGA output
③ HDMI output
④ USB interface
⑤ Network port
⑥ Power supply:DC12V
⑦ GND port

9. Log in / Log out

Please make sure the power supply is matched with wireless NVR, and ground connection work well in socket. When power supply connected, indication lamp 【POWER】turn on continuously, it means system runs smoothly.

10.Specification

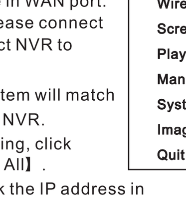
Wireless NVR		8CH & 4CH 2.0MP	4CH
System	Main Processor	Hi3535	Hi3520D
	Operation System	Embedded LINUX	
	Picture Display	1/4/6/8/9	1/4
	Picture Display	1080P/960/720P/960H/D1/360P/VGA	
	Video Input	8ch 1.3/1.0MP input & 4ch 2.0/ 1.3/ 1.0MP input	4ch 1.3 /1.0MP input
	Motion Detection	support	
Record and Playback	Recording Type	Manual, Timing, Motion detection, Alarm	
	Playback	4ch 1.3MP	
	Recorder Check	Time/date/issue/channel search	
	Backup Type	USB,removable hard disk	
	Video Output	1ch VGA,1ch HDMI	
General	Ethernet	1*RJ45 10M/100M/1000M auto adjustable	
	USB Interface	1*USB 2.0	
	SATA	1 (Max.4T)	
	Power Supply	DC 12V 2A	
	Working Humidity	10%—90%	
	Working Temperature	-10℃-+55℃	

WiFi IPC	2.0MP	1.3MP	1.0MP
Effective Pixels	2.0MP,1920(H)*1080(V)	1.3MP,1280(H)*960(V)	1.0MP,1280(H)*720(V)
Sensor	1/2.7" CMOS	1/3" CMOS	1/4" CMOS
Min. Illumination	color:0.05Lux@F1.2; B/W: 0.01Lux@F1.2		
Electronic Shutter	NTSC: 1/30---1/10000S; PAL: 1/25---1/10000S		
Day/Night Mode	IR-CUT		
Picture Format	1920*1080(960P)	1280*960(960P)	1280*720(720P)
Frame Rate	50HZ: 25fps; 60HZ: 30fps		
Privacy Masking	8 areas		
Image Setting	brightness, contrast, saturation, gain control, shutter, white balance		
Day to Night	support		
Smart Alarm	motion detection/shelter alarm/video loss/ IP cable no connection/IP address conflict		
Protocol	TCP/IP, DHCP, HTTPS, NTP, DNS, RTP, RTSP		
General Function	one key recover/ double stream/ heartbeat/ mirror/ shelter / anonymous access		
Ethernet	1*RJ-45 , 10/100M auto adjustable		
Lens	3.6mm (6mm optional)		
Power Supply	DC12V 1A		
Power Consumation	≤6W		
Working Environment	-10℃～50℃,30%～80%RH		
Dimension(L*W*H)	175*66*66 (antenna not included)		
Net Weight	500g		

Software

1. Code matching & IPC adding

① Click right button on main interface, click 【IP Camera】
② If just match one device, please connect IPC and NVR with IP cable in WAN port. For multiple matching , please connect IPC to switch, and connect NVR to switch in WAN port.
③ Click 【Match Code】, system will match the code between IPC and NVR.
④ When finished code matching, click 【Search】, then click【Add All】. Users also can double click the IP address in 【Dev Has Searched】to chose the channel and view pictures.



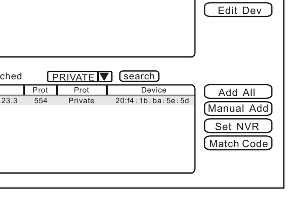
Attention: The code is matching before output, users no need to add the IPC again, picture will show automatically when power on. For code matching, please follow the step as above, and delete the useless channels.

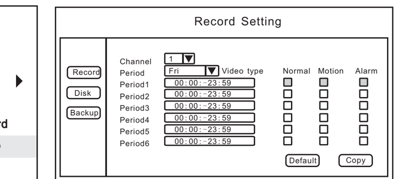
2.Record and Playback

① Check the hard disk. Click right button on main interface shows main menu, and chose 【System Setup】→ Record Setting → Disk. Make sure the hard disk is connected and runs normally.

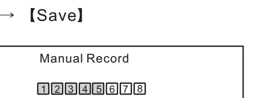
Attention : please format hard disk, it can come into use after showing capability.

② Timing and alarm record: Main Menu →【System Setup】→ Record Setting→ Record →chose channel and record type → apply. Users can click 【Copy】, copy to other channels with the same mode.

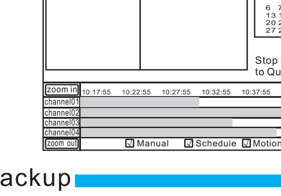




③ Manual Record: Main Menu →【Manual Record】→ choose recording channel →【Save】



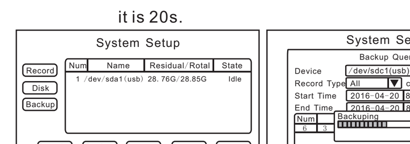
Playback: Main Menu →【Playback】→ chose channel and date →【Query】→ double click timeline for checking



3. Backup

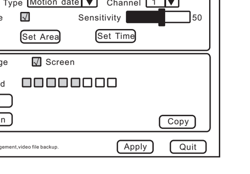
Main menu →【System Setup】→ Recording Setting →【Backup】→ choose channel and time → select target file →【Backup】→ pull out mouse and insert backup device in 20s

Attention: If target file can not be searched out, click 【clean】→【Add】. Please remove files which no need before backupping.Ensure insert device(like USB) in 20s,as system reserved searching time for it is 20s.

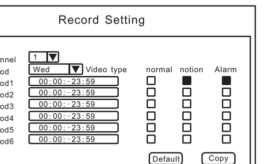


4.Motion Detection Record

① Main menu →【System Setup】→ Alarm Setting → Alarm Type → Channel → Click Enable Switch → Set Sensitivity & Area & Time → Open Screen Linkage → Chose Channels for recording when Motion Detection Alarm triggered.



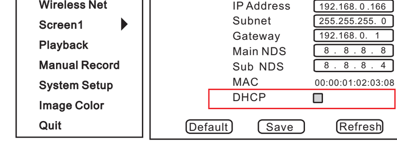
② In record setting, chose period for recording → click 【Motion】→【Apply】



5.Internet Connecting

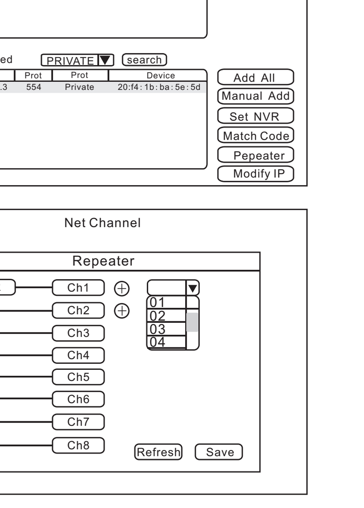
Main Menu→【Wire Net】
There are 2 types for Internet connecting.

Manual setting: Fill in IP address, DNS data, and click 【Save】.
DHCP: open DHCP, device will connect to Internet automatically, no need data setting.

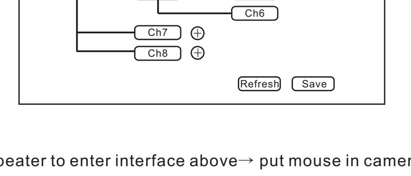


6. Repeater Function Setting

With latest repeater function, wireless NVR kit offer a new IPC signal connection type with further transmission distance , wider coverage area. IPC in further area can be connected to near IPC via WiFi signal and connect to NVR finally.
Steps
- Right-click to enter [Net Channel] interface, select [Repeater];
- Click [+] to set bridging relationship.



Picture below shows 3 connect models
- One by one: CH3→CH2→CH1→NVR
- Two to one: CH5 and CH6→CH4→NVR
- Directly connected to NVR: CH7→NVR,CH8→NVR

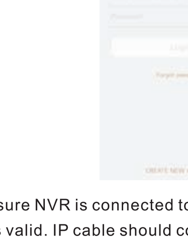


Delete
- Click repeater to enter interface above→ put mouse in camera needed to delete→ left click→ delete→ save.
- The camera which is deleted will connected to NVR automatically after 30S.

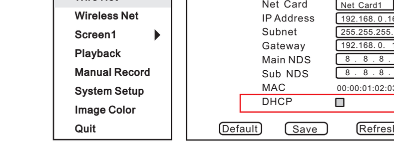
7.Mobile Phone View

① Software download: "Danale" app is for Android and iSO system. Users can download in :http://www.danale.com/danale/downloadCenter.jsp, or by scanning the code below:
② Open Danale, and sign up.

iOS   Android

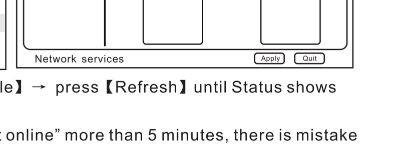


③ Make sure NVR is connected to Internet and IP address on NVR is valid. IP cable should connect to WAN port on wireless NVR. Please setting NVR IP address in 【WireNet Setting】, as the picture below:



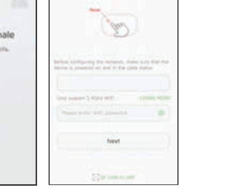
If not familiar about the LAN environment, or private network, users can turn on "DHCP", which ensures gaining IP address automatically.
If familiar about LAN, users can set datamanually.

④ Open P2P function, as the pictu re below:

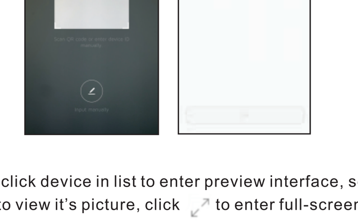


Click 【Enable】→ press【Refresh】until Status shows "online".
If shows " not online" more than 5 minutes, there is mistake for data setting, NVR is disconnected with Internet. Please check step 3 and make sure NVR is connect to Internet.

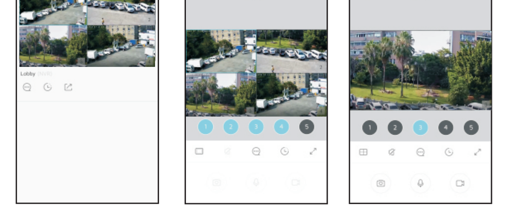
⑤ Device Adding
① For logging in Danale for the first time, click ⊕ to add device.

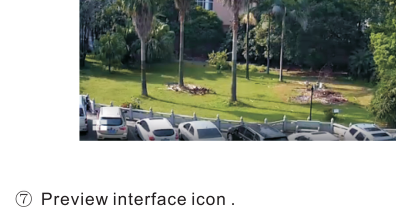


② In the pop-up interface,select [Qr code to add], scan QR code of device to add it, or [✎], input device's IP address and name to add device as follows.

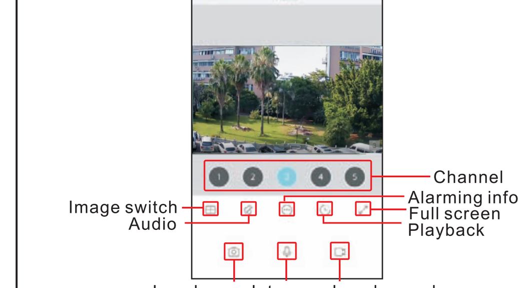


⑥ Preview: click device in list to enter preview interface, select a channel to view it's picture, click ⤢ to enter full-screen, as follow shows:

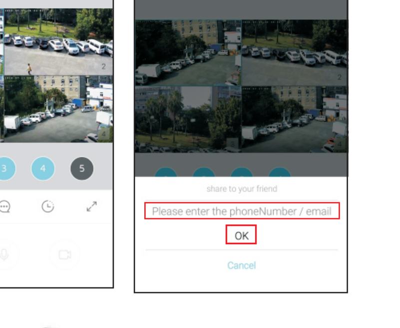




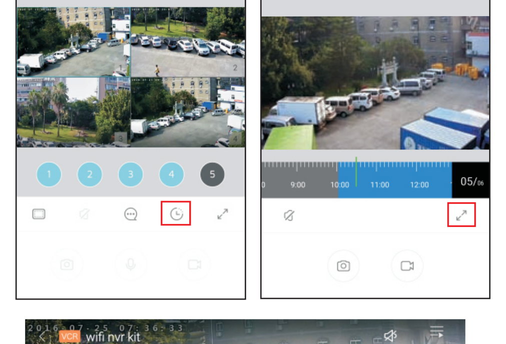
⑦ Preview interface icon .



⑧ Share to others: click [↗], input account and click "OK".

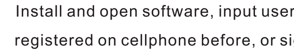


⑨ Playback: select [◷] on the bottom right , click "disk" to enter related playback interface, user can drag timeline to playback the video in different time, and click ⤢ to switch channel.

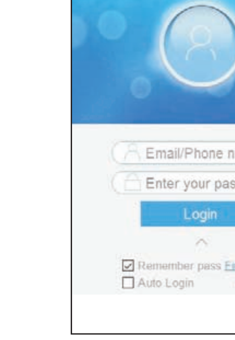


8.PC View

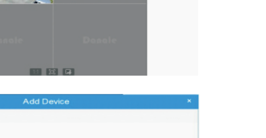
① Software install: choose related client software to download Danale in http://www.danale.com/danale/downloadCenter.jsp according PC system.

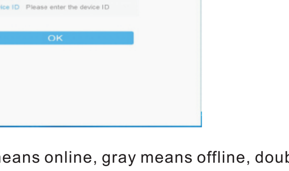


② Install and open software, input user name and password registered on cellphone before, or sign in on PC if haven't registered on mobile phone.(PC account is available on cellphone).



③ Select "Add device", input name and ID, click "OK" if cellphone hasn't add camera before. Otherwise, the device will self-synchronizing with PC end and show on right list.

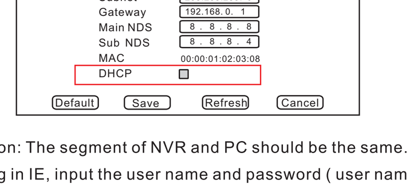




④ In right list, green means online, gray means offline, double click to view online camera, select [⋮] to set related device.

9.IE View

① Connect WAN port to switch with IP cable.
② Input NVR IP address on IE.



Attention: The segment of NVR and PC should be the same.
① Log in IE, input the user name and password (user name: admin, no password)
② Click [icon], and chose【Live View】, users can view the picture and set data on the user interface, picture as below.

Packing list

No.	Name	Quantity	No.	Name	Quantity
1	Wireless NVR	1	7	Quick Operation Guide	1
2	Wireless IPC	4/8	8	Screw for hard disk	1
3	IP Cable(1M) for matching code	1	9	Screw for IPC	4/8
4	USB Mouse	1	10	Power supply for NVR	1
5	Antenna for NVR (black)	2	11	Power supply for IPC	4/8
6	Antenna for IPC (white)	4/8	12	IPC installation sticker	4/8

FCC Statement

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.

To assure continued compliance, any changes or modifications not expressly approved by the party.

Responsible for compliance could void the user’s authority to operate this equipment. (Example- use only shielded interface cables when connecting to computer or peripheral devices).

This equipment 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 Radiation Exposure Statement:

The equipment complies with FCC Radiation exposure limits set forth for uncontrolled enviroment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

Caution: Any changes or modifications in construction of this device which are not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.