WiFi Kit

User manual

2026

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1. Product overview

The Myers WiFi Kit is a complete video surveillance system comprising a network video recorder (NVR) with antennas and Cloud series Wi-Fi IP cameras. The cameras transmit video to the NVR wirelessly, so no network cable between the cameras and the NVR is required. Each camera needs its own 12 V DC power supply. The cameras in the kit are paired with the NVR at the factory. The NVR is connected to the router with a network cable.

Kits are available in different configurations: the number of channels of the NVR, as well as the number, type and resolution of the cameras depend on the kit model. Refer to the datasheet of your kit on the official website for the exact specifications.

Built on Partizan's own Partizan Cloud platform, the kit provides remote access from anywhere in the world, with no need for port forwarding or complex network configuration. The cloud functions are remote access, cloud recording and PUSH notifications.

This manual applies to all Myers WiFi Kits. Screens and menu items may differ slightly depending on the NVR and camera models and their firmware versions. The availability of the functions described in this manual depends on the model; check the datasheet of your kit on the official website.

2. Safety cautions

- Please do not put any fluid container on the product.
- Please use the product in ventilated environment and prevent blocking the vents.
- Please use included power supply with the product to prevent damage to the product.
- Please use the product under its standard working temperature and humidity.
- Dust on PCB may cause short circuit, it is suggested to clean the dust on PCB timely.
- Please obey the regulation and policy in your country and area during the installation of this.
- The NVR is intended for indoor use only. Outdoor use of the cameras depends on their IP rating; see the datasheet of the camera.
- In case of a lightning storm, disconnect the device from power and network.
- Do not attempt to repair or disassemble the device yourself; refer servicing to qualified personnel.

3. NVR

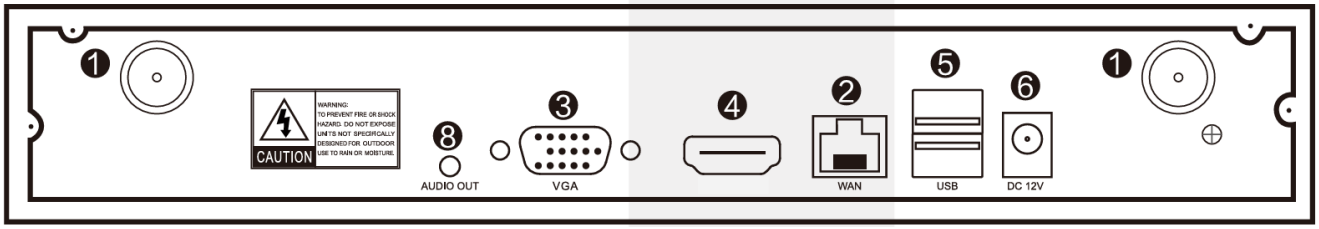


Fig. 1. NVR

1. Wireless Antenna Ports: Double antennas to Wireless range.
2. WAN Port: Connect your NVR to Internet.
3. VGA Port: For viewing on VGA monitor.
4. HDMI Port: For viewing on HDTV.
5. USB Ports: For mouse and backup.
6. Power Input.

4. IPC

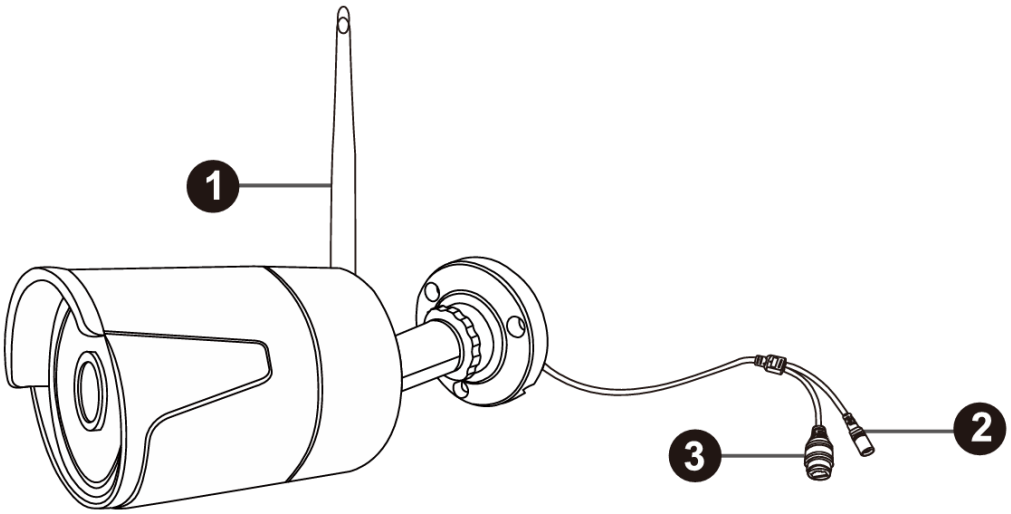


Fig. 2. IPC

1. Wireless antenna.
2. DC Port (Input power 12V 1A).
3. RJ45 Port (For matching code and wired connection between IPC and NVR).

Anyway, there is range limitation for the wireless 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.

5. Installation instruction of the WiFi Kit

Note: Wireless NVR can’t be connected to wireless router wirelessly at present. They can be only connected by network cable.

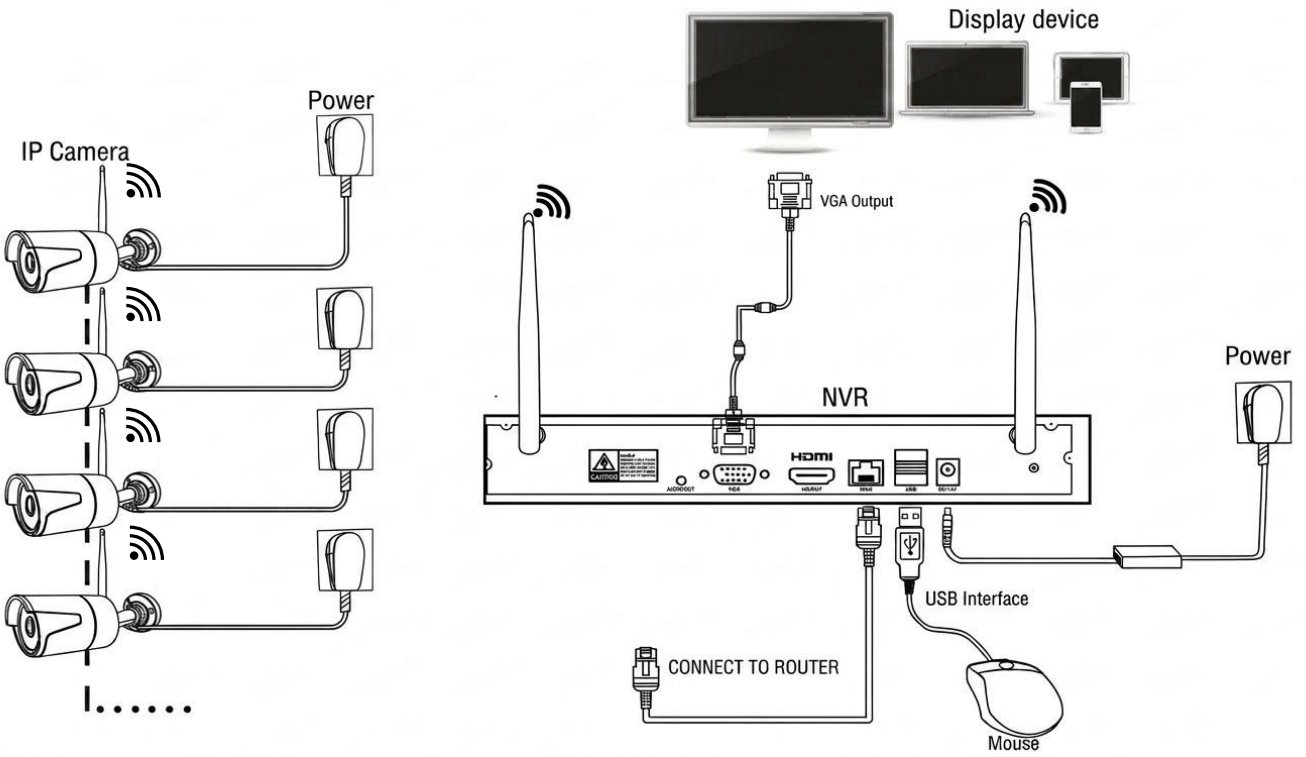


Fig. 3. Connection scheme

5.1. Installing the cameras

Install the cameras within the wireless range of the NVR (see section 14.1). A drill template and a mounting kit are supplied with the cameras, if they are included in the kit.

1. Install the antenna on the camera.
2. Mark the mounting holes with the drill template, drill the holes and insert the dowels.
3. Fix the camera bracket with the screws and mount the camera.
4. Connect the power supply to the camera.
5. Remove the protective film from the lens, if any.

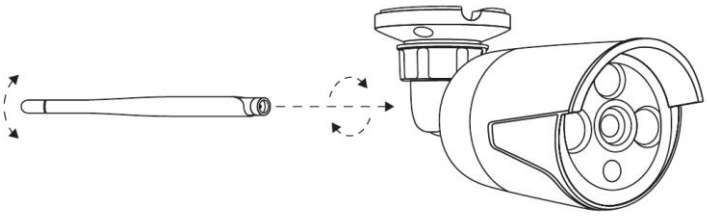


Fig. 4. Installing the antenna on the camera

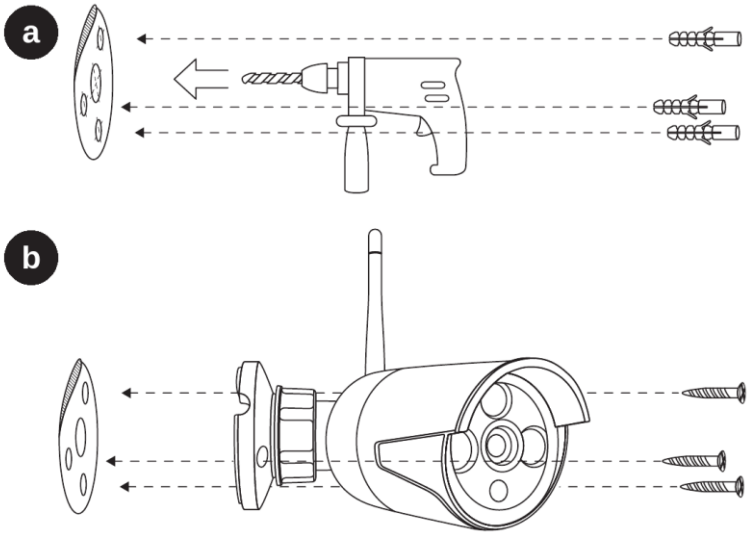


Fig. 5. Mounting the camera: (a) drilling, (b) fixing the bracket

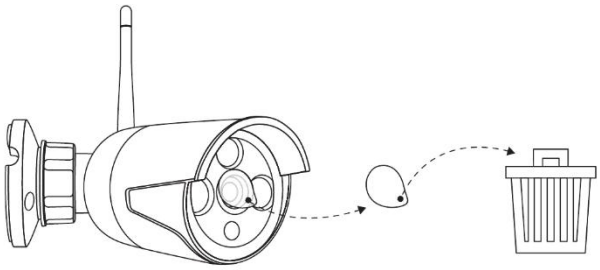


Fig. 6. Removing the protective film from the lens

6. Setup the system

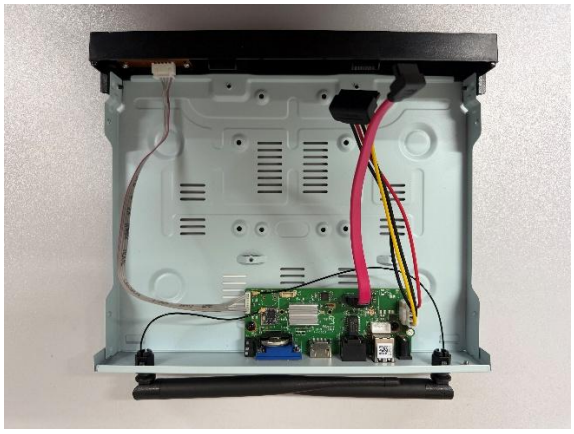
This system is standalone with embedded Linux Operating System in the NVR. Just like a desktop PC, need to hook a screen to the NVR to enter the OS. Any TV, monitor with VGA or HDMI input should work for it.

1. Install antennas for cameras and the NVR.
2. Connect a screen to the NVR via its HDMI or VGA port (HDMI and VGA cable not included).
3. Plug the NVR to power (use bigger 12V 2A power adapter).
4. Plug cameras to power (use smaller 12V 1A power adapters).
5. Within seconds, you should see camera's images on the screen.
6. Plug the mouse (included) to an USB port on back of NVR. You shall then be able to operate on the system.

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

6.1. HD Install

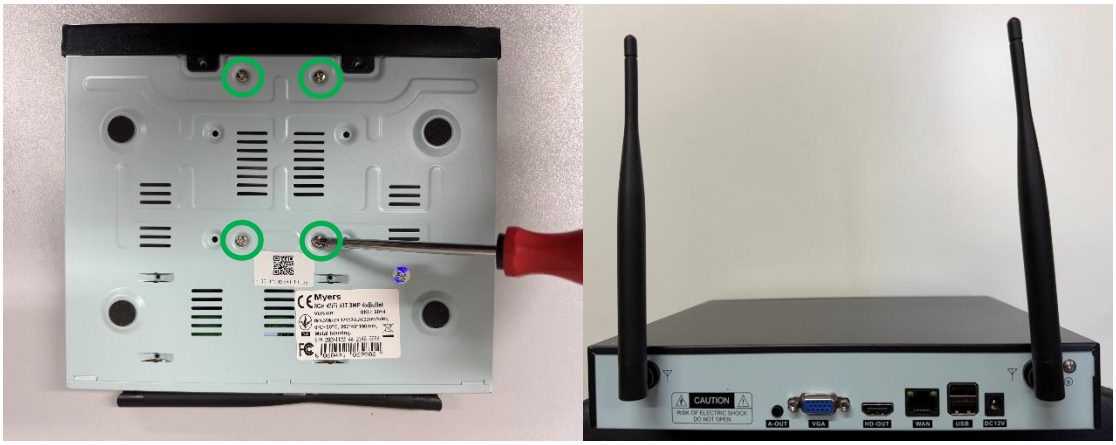
The system may not include hard disk depending on the kit you selected. the NVR works most 3.5" SATA HDD or 2.5" SATA HDD



Unplug your NVR from power, unscrew and remove the top cover.



Connect the SATA power and data cables from the NVR to the corresponding ports on your HDD (as shown).



Holding 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 screwdriver, screw the provided screws into the holes and assemble the cover.

Fig. 7. HD installation

Note: A new HDD must be formatted before recording. To get a better wireless signal, place the NVR in an open area and at a high position.

7. Wireless configuration

Wireless NVR supports wired internet and wireless Internet two ways to access the Internet (supported by some models). The two Internet access modes are set as follows:

1. Wired configuration: Connecting NVR with network cable to the router will automatically obtain network settings for automatic internet access. When the network cable is plugged in, NVR will give priority to wired internet access.
2. Wireless configuration: right-click mouse--wireless configuration, click on the wireless code to pair, then the image will be automatically shown after pairing successfully.

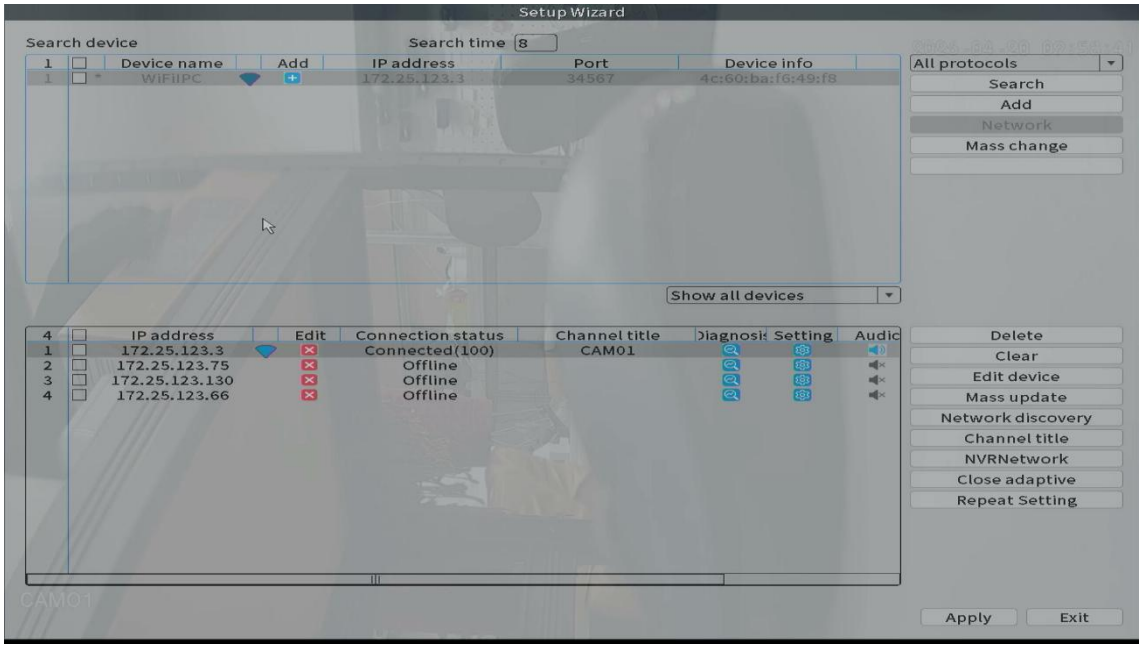


Fig. 8. Wireless configuration

8. Record setup

The factory setting defaults to full-day recording. If you need to customize the recording type, you can refer to the following settings:

- Regular recording: all-day recording, including detection recording and alarm recording
- Detection recording: Only when a moving object or human form is detected, then the recording will be performed. Check the detection option to enable.
- Alarm recording: Only when an alarm is triggered, the video will be recorded. Check the alarm option to enable;

Note: Users can setup any period of time they want, for example 0:00:00-23:59:59, That's 24 hours 7 days recording. When NVR detects hard disk, the default setting will be 24 hours 7 days recording.

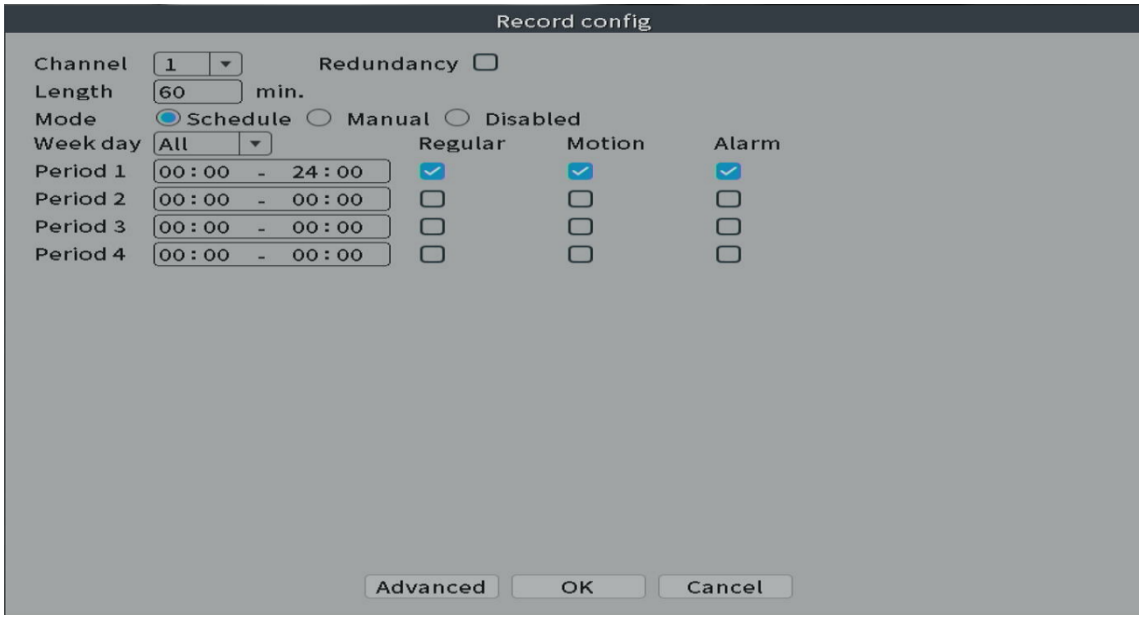


Fig. 9. Record setup

9. Record playback

Steps: Right click on the Main interface-Playback → choose date, channel, record mode click Search then can view playback file.

Notes:

- Illustration for playback button: ▶ play, ⏸ pause, ⏩ fast forward x2,x4,x8;
- Play file: Choose the recording file in file list, as number shown in picture. Choose one of the recordings, click "play" to play to recording file;
- Video backup: Choose the recording file in file list, as number 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 shown in picture;
- On the timeline with recording file, left click the mouse, then can playback the file.

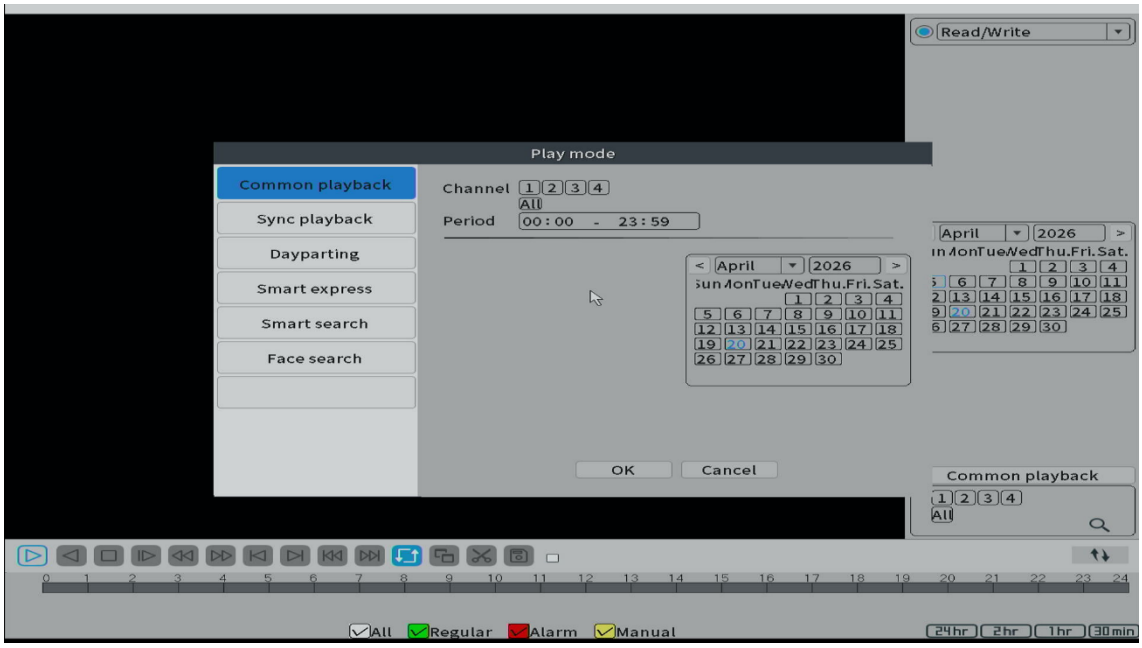




Fig. 10. Record playback

10. Record backup

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

- Main Menu-System→"Record backup" insert U disk click "detect"> after detecting U disk→"select backup"> select "type"→" channel"→ "start time"→" end time "and" backup format", then you can start to backup.

Tip: If the backup fails, check that the U disk is in FAT32 format. The NVR supports only FAT32 U disks.

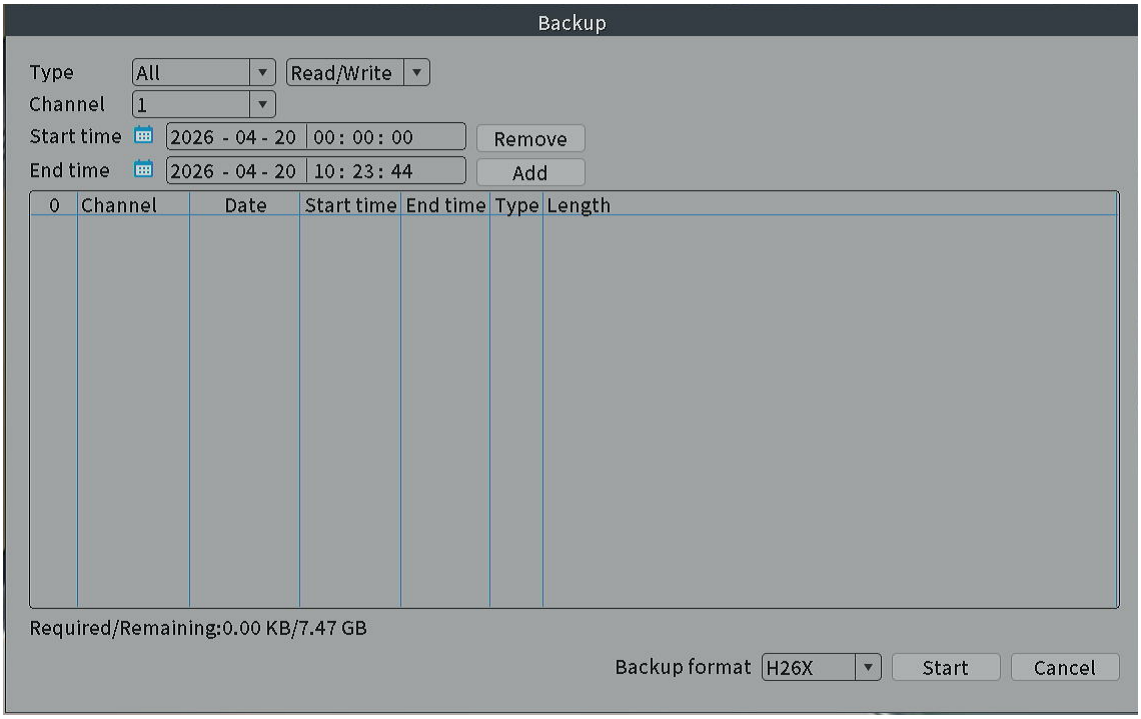


Fig. 11. Record backup

11. View on mobile

1. Download the App: Android and iOS users can download the "Partizan" app from Google Play or the App Store.
2. Launch the Setup Wizard: Scan the QR code located on the packaging to launch the step-by-step configuration wizard.



Fig. 12. Wizard access

3. Connect the NVR: Once the QR code is scanned, follow the on-screen instructions to pair your NVR with the app

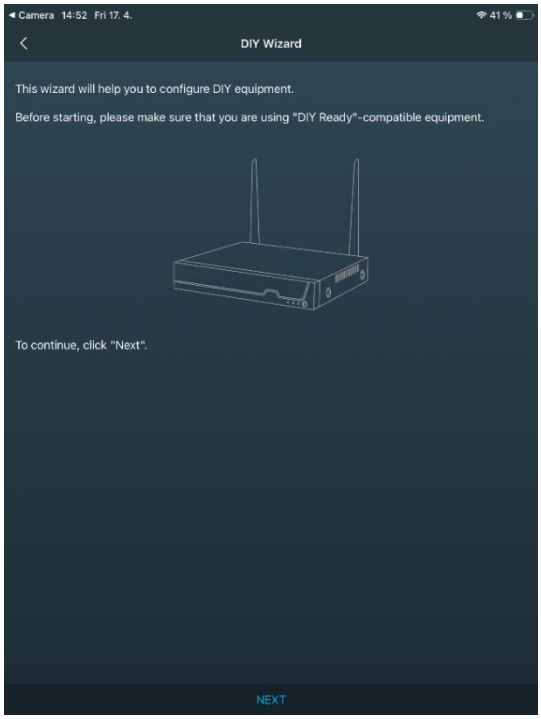


Fig. 13. DIY Wizard

4. Automatic Camera Sync: After the NVR is successfully connected, it will automatically detect and link all cameras to your account.

Run the "Partizan" app, log in to your account and click "+" to scan the device ID QR code to add the device (move the mouse to the top of the live view screen to display the QR code of the device). Enter the device name, the user name (default user name: admin) and the password (default password: admin) and click the device to start viewing the video.

Tip: If you have set a password on your NVR, update the password in the app to view the video.

Desktop applications Myers and Myers Setup Tool are available at www.apps.partizan.global. Web browser access (Google Chrome, Mozilla Firefox, Edge) requires the Partizan ActiveX component for device setup and live view; it is available at the same address.

12. Detailed introduction

Menu bar

Click right button you can enter the main menu, click right button again you can exit the current menu or return

- Main menu: click the main menu to enter the specific menu interface and configure the function parameters.
- Startup Wizard: Follow the boot wizard prompts to set basic functions for wifi NVR.
- Wireless: Fast wireless code pairing.
- Record mode: Record mode selection.
- Playback: Playback the recorded video.
- IPC param: View specific IPC parameters.
- PTZ control: Zoom, focus, preset, tour (only applied to the PTZ camera).
- Face detection: Quickly open and close the face detection display frame.
- HighSpeedPTZ: After selection, the channel image will display full screen, hold down the left mouse button to control the Pan & Tilt for rapid rotation positioning, and then slide the mouse wheel to magnify (only applied to the PTZ camera).
- Color setting: Image brightness, contrast, saturation and other color adjustments.
- Output Adjust: Adjust the image style, output volume, margin.
- Logout: Shut down, log out, reboot.
- Single screen: Single-screen preview.
- Four-screen: Four-screen preview.

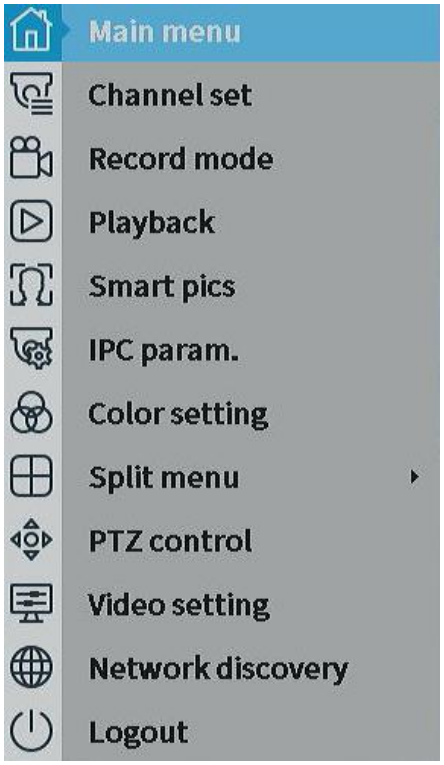


Fig. 14. Menu bar

13. Face detection

The NVR supports Wi-Fi IP cameras with the face detection function. The detection result is shown on the live view screen.

Smart analytics: with Cloud series cameras the kit supports human, vehicle and face detection, line crossing and intrusion detection. The available functions depend on the kit model; see the datasheet.

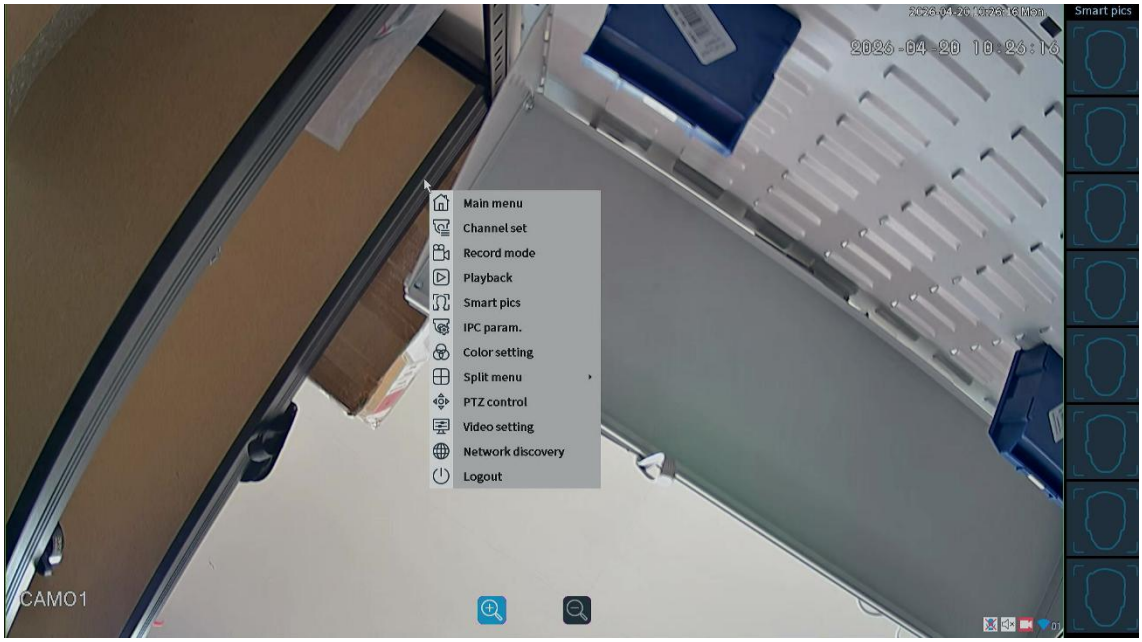


Fig. 15. Face detection

14. Expand wireless coverage

Wireless connection is simple and convenient, but wireless is not everything! Because of the wireless characteristics, in some complex scenarios, there is a signal attenuation situation after passing through obstacles. By placing the antenna reasonably, using camera cascade, can bypass obstacles and extend the signal transmission distance.

Note:

- The wireless repeater cannot enhance the signal strength of the wireless NVR kit, but can extend the distance of the signal relay or turn;
- The wireless distance is increased only when the repeating camera and the repeated camera are placed properly.
- Manual repeater settings need to ensure that the wireless connection is unblocked In order to ensure the success of the setup, it is recommended to determine the repeater solution according to the actual use scenario and place the camera near the NVR and set the repeater before installing the camera.

14.1. Typical wireless range

The typical wireless range between the NVR and a camera is up to 100 m in open space. Walls of different types reduce the range to 30 m, 15 m or 10 m, depending on the wall (see the figure). Cordless phones and microwave ovens interfere with the wireless connection. If a camera is out of the wireless range, connect it to the NVR with a network cable.

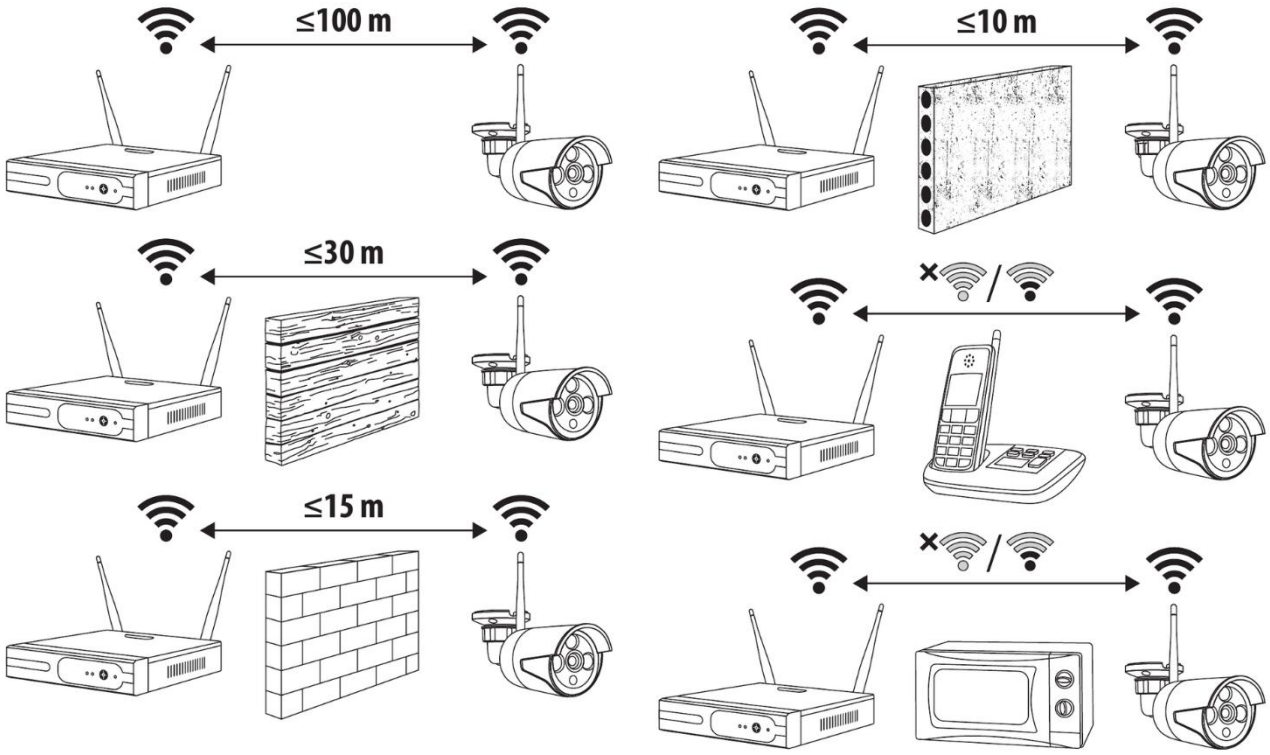


Fig. 16. Typical wireless range between the NVR and a camera

14.2. Reasonably adjust the antenna and optimize the signal radiation direction

As can be seen from the bar antenna gain chart as shown on the right, the signal coverage of the antenna is similar to an apple. The antenna is located in the center of the apple, and the signal around the antenna is strong. The upper and lower ends of the antenna are recessed, and the signal is weak.

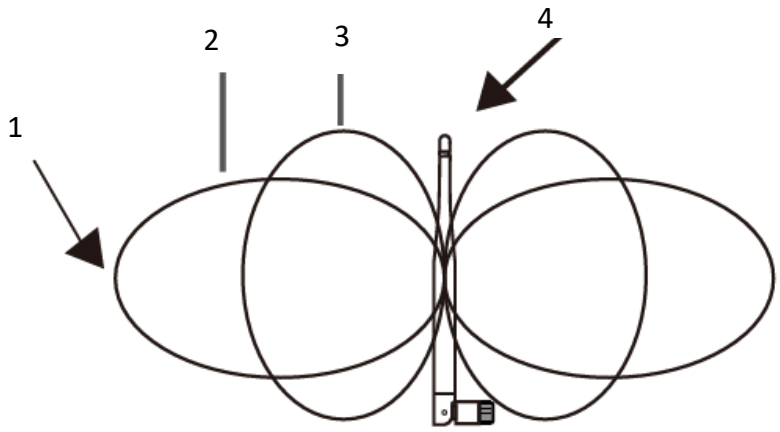


Fig. 17. Relationship between rod antenna gain and coverage

1. Best signal direction
2. 5dB
3. 3dB
4. Worst signal direction

According to the signal transmission characteristics of the antenna, in order to ensure the optimal image transmission effect of the wireless NVR Kit, it is required:

1. The antennas of the NVR and IPC should be placed in a high and open place, and not near the walls, metal, glass and other obstacles, which will affect the signal's outward divergence.
2. The antenna of the IPC should be placed in parallel with the NVR antenna as much as possible so that the respective maximum radiation direction angles are opposite to form the maximum signal coverage, as shown in the figure below.

14.3. Repeat setting interface description

There are three Repeat Mode: AutoRepeat, OpenRepeat, CloseRepeat. Under normal circumstances, it is recommended to set to AutoRepeat mode. Repeat Mode can be set in the pop-up option box when clicking the corresponding IPC, ✓ mean the IPC's current Repeat Mode: as shown.

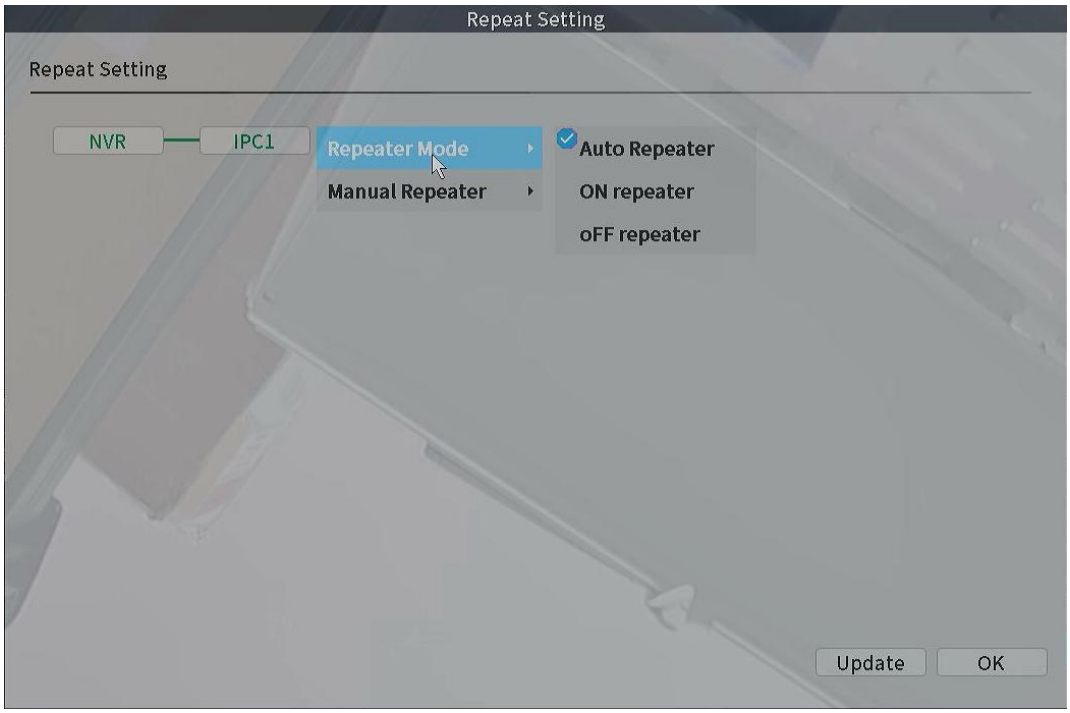


Fig. 18. Repeat Set

AutoRepeat: In AutoRepeat mode, at most two levels of repeat can be realized, NVR->IPC1->IPC2. The IPC device connected to the NVR will automatically turn on the repeat function. If the repeat function is turned on, the corresponding IPC font is green (IPC1), and the device connected to IPC will not enable the repeat function. If the repeat function is not turned on, the corresponding IPC font is white (IPC2, that is, the device cannot be repeated after IPC2).

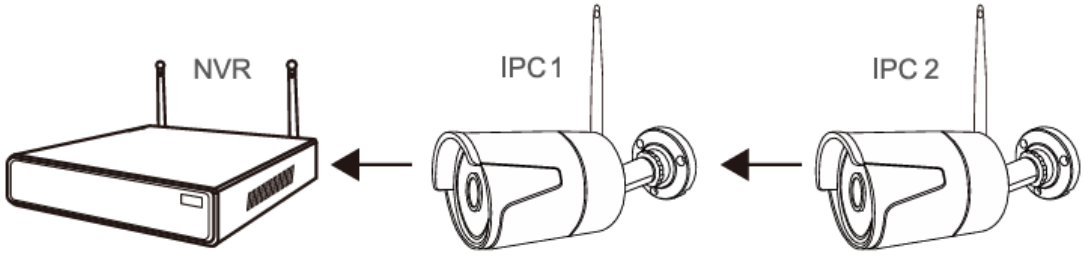


Fig. 19. Levels of repeat

OpenRepeat: This mode forcibly turns on the repeat mode (restart is still maintained). It is used for repeat of three levels or more. It is not recommended to turn on this mode, because the load on the Wi-Fi module is high with repeat of three levels or more.

Close Repeat: This mode will forcibly close the repeat mode (restart remains), this mode is used when there is a complex environment, IPC may be repeated to an undesirable IPC, at this time you can turn off the repeated Equipment to prevent wrong repeat (or use forced connection function).

15. Default settings

Parameter	NVR	IP camera
IP address	DHCP	DHCP
User name	admin	admin
Password	admin	admin
HTTP(S) port	80	80
Control port	34567	34567
RTSP port	554	554

Note: The values above are typical defaults. Check the datasheet of your kit for the exact values.

Note: Change the default passwords immediately after the first login. NVR: Main menu > System > Account.

16. Maintenance

16.1. User accounts

Main menu > System > Account. Create accounts with different access levels and set passwords. User groups: admin (full access) and normal (restricted access). To add a user, click Add user, enter the user name and the password, select the group and click OK.

16.2. Storage

Main menu > Advanced > Storage info shows the status and capacity of the installed HDD. A new HDD must be formatted here before the NVR can record to it: select the drive and click Format storage. All existing data will be erased.

16.3. Firmware upgrade

Main menu > Advanced > Upgrade. Insert a USB drive with the firmware file, select the folder and the file and click Upgrade. The firmware of the cameras can be updated in the same menu (Camera upgrade: select the channels). Do not power off the device during the upgrade. The process takes 3–5 minutes and the device reboots automatically.

16.4. Auto maintain

Main menu > Advanced > Auto maintain. Set the day and time of the weekly automatic reboot and, if needed, the automatic deletion of old recordings. A scheduled reboot improves the long-term stability of the system; set it to a time when the cameras are least active.

16.5. Restore

Main menu > Advanced > Restore. Restore default settings keeps the network and user data. Restore factory settings erases all configuration, including the network settings and user accounts, and restarts the NVR; use it only as a last resort.

17. Troubleshooting

Problem	Solution
No image on monitor	Check the HDMI/VGA cable and the input source of the monitor.
Camera image is missing or freezes	Check that the camera is powered and the antennas are installed. Reduce the distance between the NVR and the camera or the number of obstacles between them. Move the devices away from sources of interference (see section 14.1).
Camera does not appear on the NVR	Check the power supply of the camera. Pair the camera again (right-click > Wireless, see section 7) or connect it to the NVR with a network cable.
Camera shows 'Not logged in'	Wrong camera password. Click the Edit icon in the Setup Wizard and enter the correct credentials.
Cannot connect to the mobile app	Check that the NVR has internet access. Scan the QR code from the Network screen again.
No recordings found	Check the recording schedule in Record config. Check that the HDD is formatted and has free space.
Backup to a USB drive fails	Check that the USB drive is in FAT32 format.
Motion alerts are too frequent	Lower the sensitivity or reduce the detection region in Intelligent alert.
Forgot the admin password	Use the account security questions. As a last resort: Advanced > Restore (resets all settings).
HDD not detected	Power off, reseat the HDD and power on. Then format it in Advanced > Storage info.
'Insufficient resources' during playback	Select fewer channels for simultaneous playback or use the 1-channel view.

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