Plug & Play WiFi IP Kit

IP cameras and NVR WiFi

Installation manual

How to install the system

How networking How to insert an additional camera

Contents of this handbook

The WiFi kit RKK series are designed to create small wireless video surveillance systems are ready to operate in minutes and can be installed without any specific knowledge. This manual explains how to install cameras and video recorder, how to make the basic adjustments and how to connect to computers on the internal network.

Package Contents

The kit you have purchased is a complete wireless video surveillance system. The package includes:

1 - VCR WI-FI (NVR)

2 - 1 to 8 CAMERAS WI-FI FOR INDOOR / OUTDOOR

3 - 12V POWER SUPPLY FOR EACH CAMERA

4 - ACCESSORIES

Connect the cameras

The cameras of this system are designed to not require any configuration. You just plug the adapter into the outlet. At first you'd better feed the cameras near the NVR, before installing them in their position, in order to easily configure the system.

1 - SCREW ANTENNAE

Screw the antenna on the back of the camera. Keep stops the antenna with one hand and rotates the lock nut with the other hand. Do not point the antenna to the NVR, but leave the vertical.

2 - CONNECT THE POWER SUPPLY

For each camera there is provided a camera power supply that must be connected to the DC12V jack (to the right in the picture below). The connector for the wired network do not need it in normal operation.

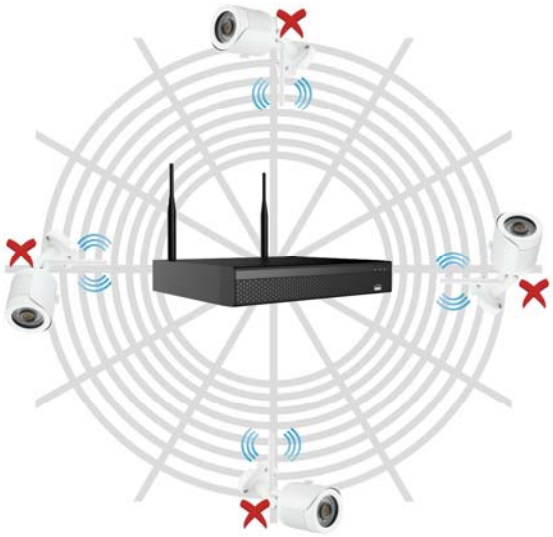
CAUTION: Do not confuse the NVR feeder (2 / 3A) with the smaller one for the cameras (0.5 A).

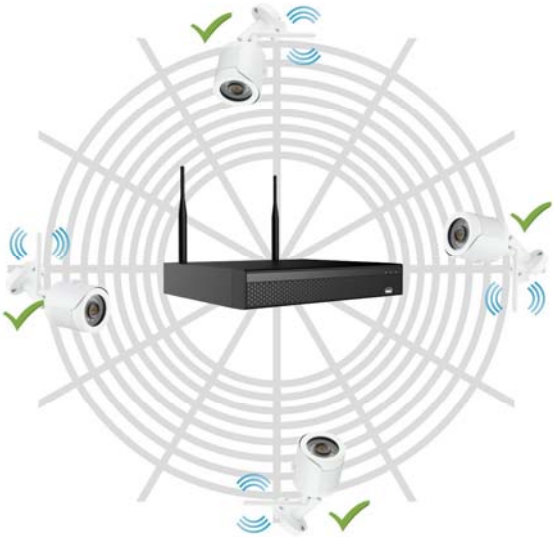
3 - INSTALL THE CAMERA

You can also attach the wall or ceiling camera and orient it thanks to the articulated bracket. They are provided the dowels and the drilling template. The Allen of the bracket must be unscrewed in order to orient the joint and closed at the bottom once the camera positioned.

Orient the antennas

The antennas of these cameras are omnidirectional, then transmit in all directions. For a better propagation of the signal is not expedient point them towards the NVR, but orienting them at 90 ° with respect to the direction of NVR. Look at the following example.





Install the Hard Disk

If you want your system to record, you must install a hard drive inside the VCR. Any of the SATA hard drives for computers 3.5 ", but for a longer life would agree to purchase an appropriate model for video recording. The maximum HDD capacity that can be fitted is 8 TB.

If you ordered the hard disk along with your kit you receive the fully assembled so you can skip this section.

Remove the cover by unscrewing the 5 screws:

2 on each side and a rear

Connect the hard drive with two power and data cables

that are inside

Fix the hard disk with 4 screws which are screwed are screwed from underneath the VCR

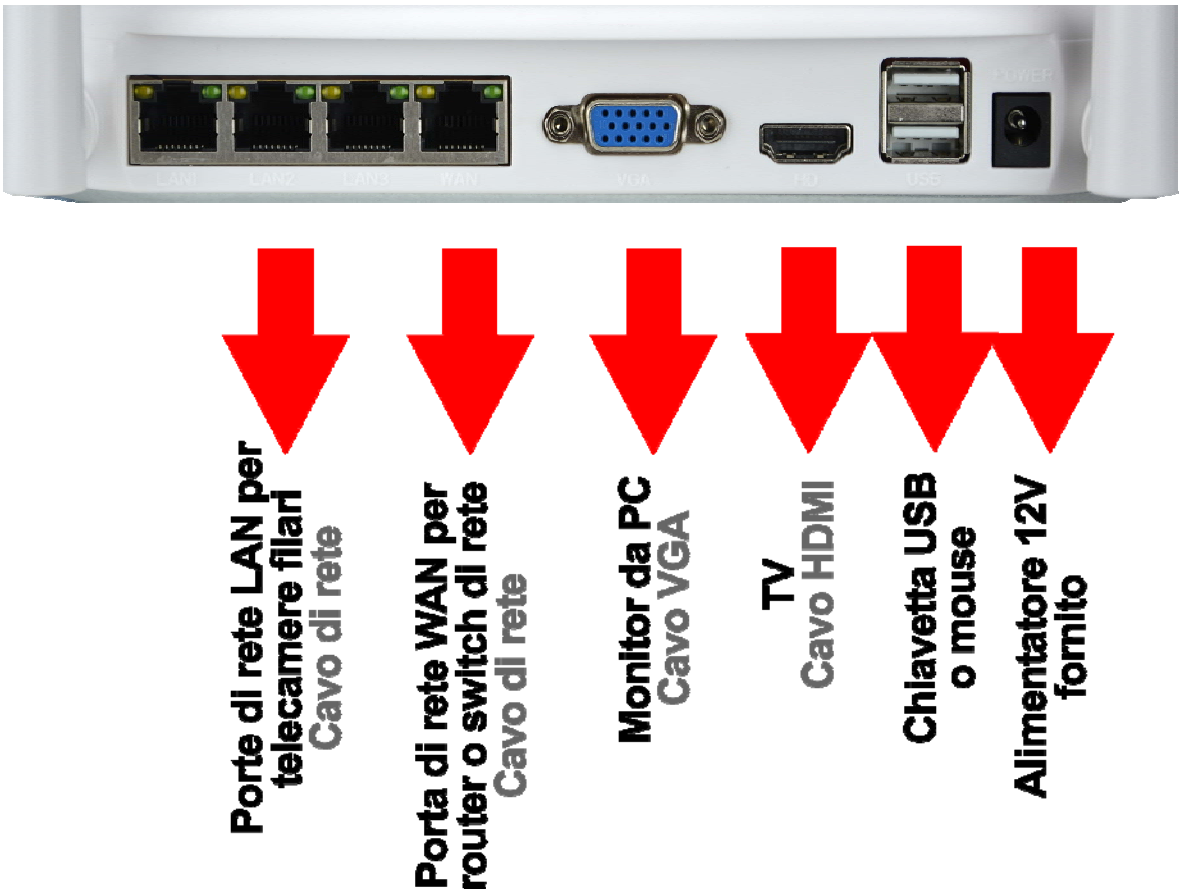
Close again the lid and tighten the two antennas on

back of

The next time, the NVR will reveal the new hard drive installed, and ask you to start formatting to use it.

Connect the NVR

The central unit of your system is a WiFi network video recorder, an apparatus that is also called NVR. To use it you have to make some connections on the back. The diagram below may vary slightly depending on the model of the kit.



Follow these steps to connect your NVR

1 - SCREW ANTENNAE

Screw the two antennas on the back of the NVR. Eastern straight upwards.

2 - A COLLEAGUE FROM COMPUTER MONITOR

To use your NVR you need a monitor to see where the cameras and configure the options. If you use a computer monitor with a VGA port, you must connect the cable to the blue port of the NVR, called VGA.

3 - CONNECT ONE TV

Even the TV can be a great monitor for your NVR. To connect, you need an HDMI cable that plugs into the HDMI port of the NVR. To view images on TV you must remember to select in your TV's HDMI external input you used to the NVR. Typically this is done by pressing the SOURCE button on the remote.

4 - CONNECT THE MOUSE

The NVR is controlled with the mouse as a computer. Plug the mouse supplied with the product to a USB port provided with it your NVR

5 - CONNECT THE POWER SUPPLY

The camera power supply, supplied with the DVR, is connected to the DC12V connector on the back of the NVR. Just plugged the plug the NVR will turn on and you will see an image appear on the monitor. If you do not see anything appear checks the connection to the monitor. CAUTION: Do not confuse the NVR feeder (2A) with the smaller one for the cameras.

6 - CONNECT THE ROUTER

In order to view your cameras over the Internet, you must connect the NVR to your network. You must use a standard network cable straight type and place one hand in the door **WAN NVR** and on the other to an available port on your router or switch. The NVR is factory set to automatically configure themselves on a network automatically (DHCP).

Depending on the model you will find the back of the NVR also 3 LAN ports that are not needed for the router, but any IP to connect the rows and are also used for the first configuration of the new cameras kit purchased at a later time.

Make first power

Just connect the adapter plug, the NVR starts up and displays an image on the screen. If you do not see the picture you have to check the cable and the monitor settings. If you have connected the cameras to an outlet you'll see, already on the screen, no need to do anything.

When you first turn starts a wizard that helps you set up your system in minutes.

1 - START WIZARD

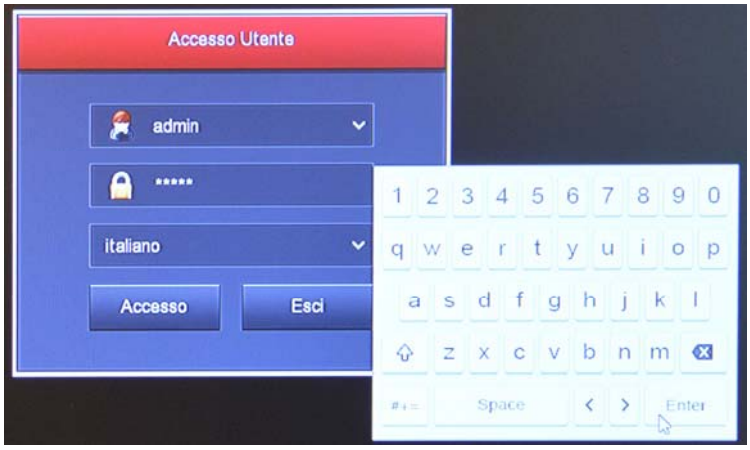
Start the wizard, after using it, you can choose to remove the check mark to stop using this procedure in future starts.

2 - AUTHENTICATION

Enter the default password:

USER: admin

PASSWORD: 12345



3 - MAKE THE GENERAL OPTIONS

In the first section of the wizard you set general system options: LANGUAGE - Select the menu language

RECORDING MODE - Select OVERWRITE to overwrite the oldest files once run out of space on HDD

DAYS HELD - Set if you want, a video archive capacity limit due to privacy requirements.

STANDARD VIDEO - Leave the PAL standard in Italy

AUTOMATIC LOGOUT - Select after how much downtime the system must request a new password to access

NAME - Enter if you want, a distinctive name for the NVR

4 - CHECK THE CAMERAS

If you already have powered the cameras verify that the green dot certifying the connection was successful. In this example, the link icons are red, probably because the cameras are not on, or because they are too distant NVR.

5 - SET REGISTRATION

Color the weekly green table where you want continuous recording and yellow where you want to record on motion detection, ie, only in the presence of movements.

FINISHED!

At the end of the wizard, your wireless CCTV system is already operating.

Review the records

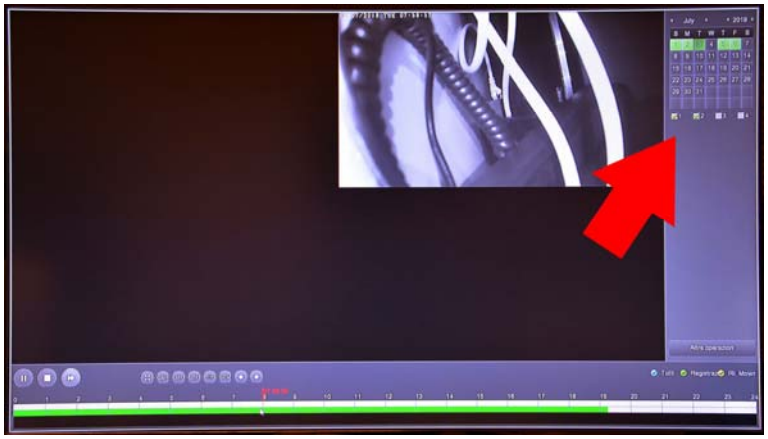
To review the records kept by your NVR do the following.

1 - OPEN WINDOW PLAYBACK

Click the right mouse button and choose in the context menu PLAY

2 - CHOOSE DAY AND TIME YOU WANT TO REVISE

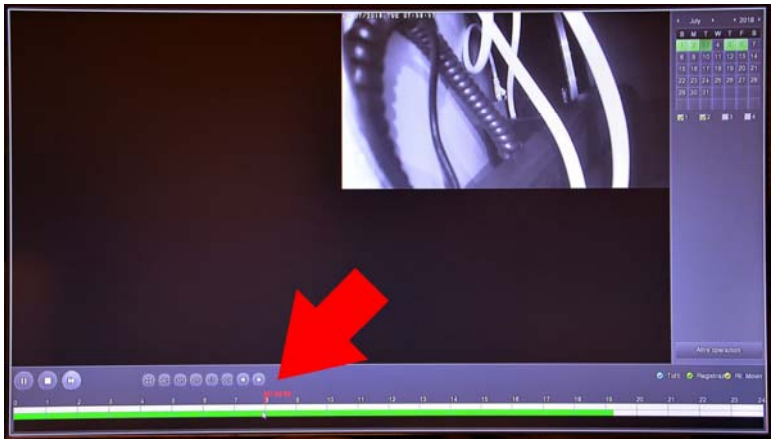
Select at the top right on the day you're interested in. The days that contain recordings are marked by colored box. Click on one of these.



3 - PLAY THE INSTANT YOU WANT TO REVISE

In the lower time bar has 24 hours of the day with colored in green and yellow recording continuous recordings made for motion detection. This is the Motion Detection function, which is very convenient to quickly find what interests you.

Click where you want the timeline to play back at that exact moment.



With the buttons 24H 6H 2H 1H 30M can vary the scale of the timeline.

With the control buttons on the bottom left you can reproduce at an accelerated pace, stop or pause playback.

Connect the NVR to your network

For you can connect to the surveillance system via PC or mobile you must connect the NVR to your network. To do this using a network cable and connect **WAN port OF NETWORK** NVR to a free port on your router or switch. Verify that the port LEDs light up, this means that the connection is correct.

VERSIONS WITH ONE OF WAN NETWORK PORT

If your NVR has only one network port (WAN) use it to connect to your router or switch in your network

VERSIONS OF DOORS WAN and LAN NETWORK

If your NVR has a network port (WAN) + other additional network ports (LAN), it means that has an integrated router. Use the WAN port to connect to your router (or the network

brings to your router). The LAN ports can leave them disconnected; They may serve only if I wanted to connect to your camera kit rows or if you configured in your new wifi system cameras.

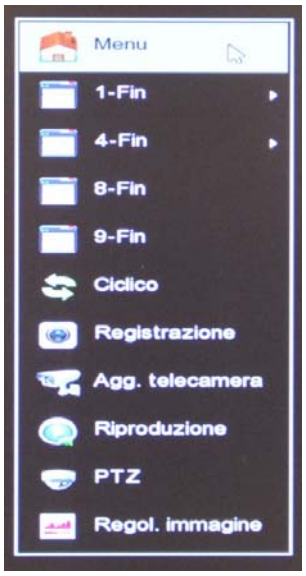
CAUTION. Do you have to connect to your network or your router if you want to make connections remotely illustrated in the following chapters.

Check the network parameters of your NVR

Your NVR is configured on the network automatically (DHCP), then you receive directly address and network configuration from your router. You need not worry to enter any parameters. However, before you connect remotely with PC and mobile it is to verify the network situation. To do this follow these instructions

1 - ACCESS TO THE MENU NVR

Click the right mouse button and choose MENU



To access you will need to log Enter the default password:

USER: admin

PASSWORD: 12345

2 - OPEN WINDOW TO CONTROL NETWORK IP ADDRESS

Click SET and then CHOOSE NETWORK The display is different depending on your type of router

VERSIONS WITH ONE OF WAN NETWORK PORT

If your NVR has only one network port (WAN) All the network parameters in the IP / DOORS window

In this window verify that the check on both DHCP active and get the IP address your NVR has assumed within the network is the top entry (in the example

192.168.2.168. It will be useful if you want to access NVR from inside your network, without going through the Internet.

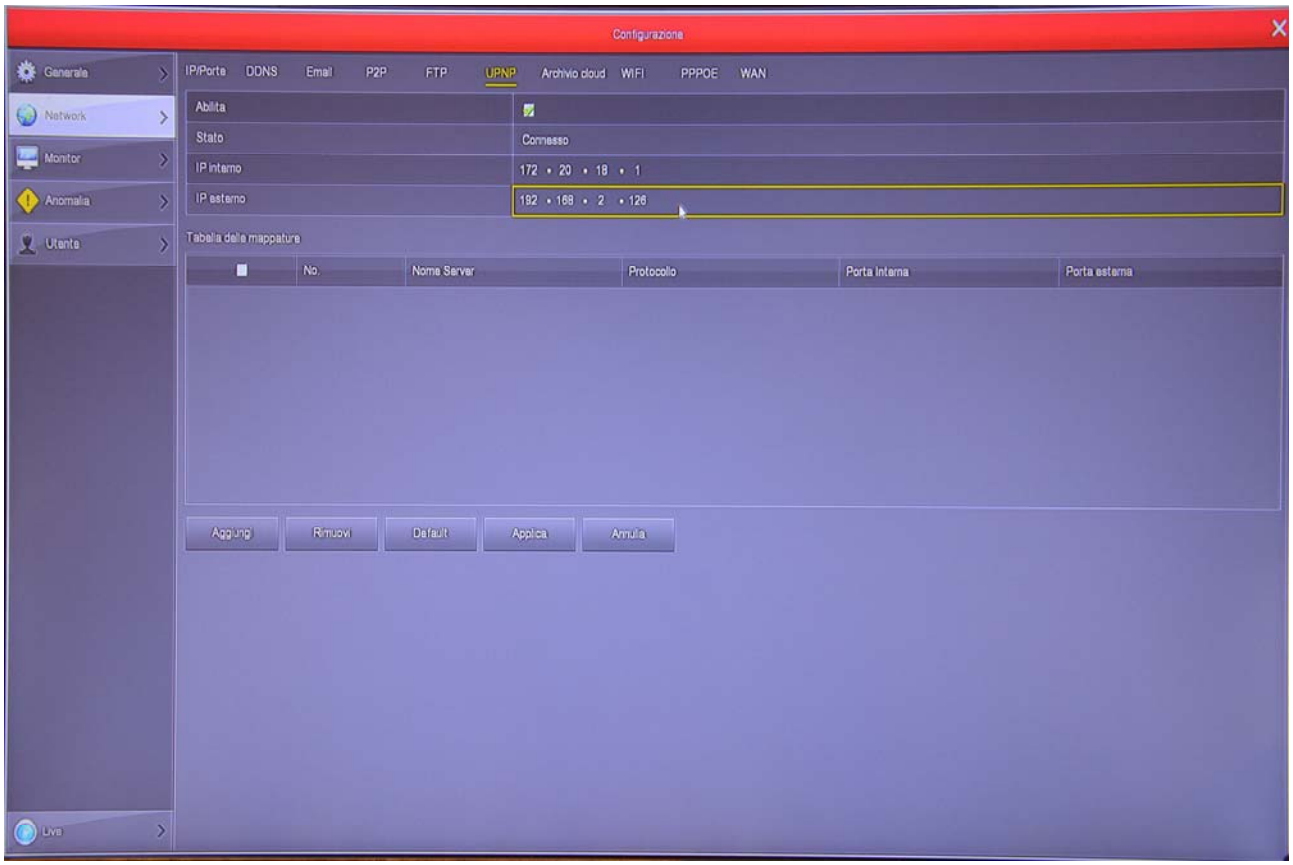
VERSIONS WITH A NETWORK DOOR AND DOOR WAN LAN

If your NVR has a WAN port and other LAN, means that has a router. In these models the IP / DOORS window because you can not change these settings are fixed at the factory and you do not need if you're using wireless cameras kit.

On these NVR WAN + LAN, WAN find a folder where you have to control it

enabled DHCP

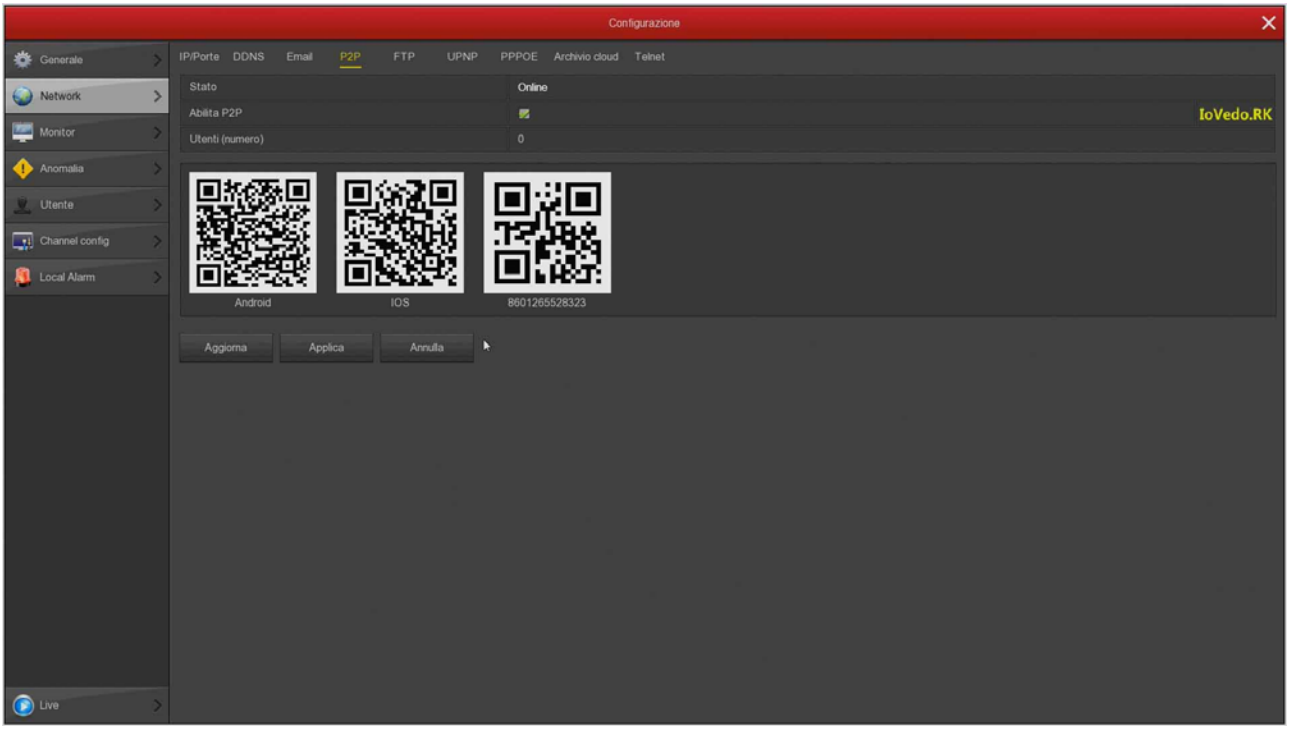
If you want to know that your IP address has NVR in the network, use the UPNP folder



If you enable the UPNP EXTERNAL IP line will show the address of the NVR has acquired within your network (example 192.168.2.126)

3 - P2P GO TO THE WINDOW TO CHECK THE CONNECTION TO SERVER

After checking the IP address of your NVR, open the P2P folder



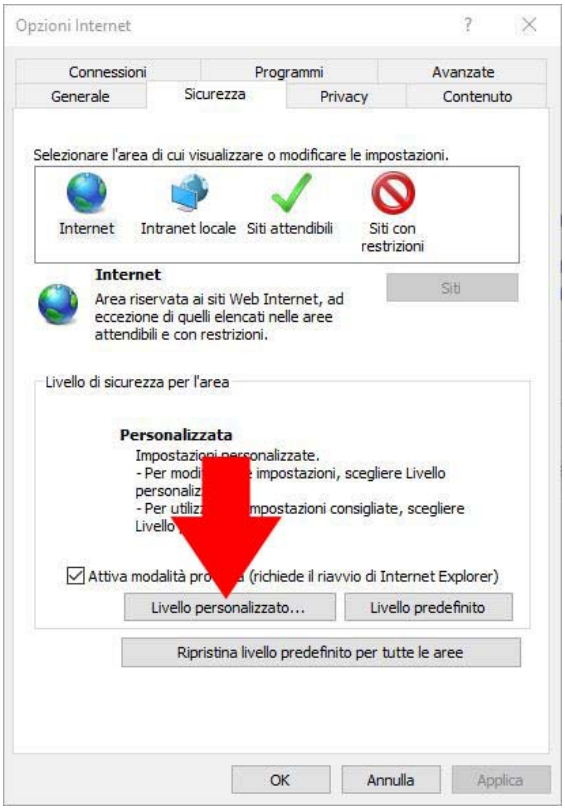
This page checks the P2P feature is enabled and that the status is ONLINE. This means that the NVR is talking well over the Internet with our P2P cloud server that allows you to access from the Internet with no configuration or static IP. If the state is not ONLINE recheck the steps above because it means that your NVR is unable to access the Internet. For how to connect with the APP remotely see the remote access manual.

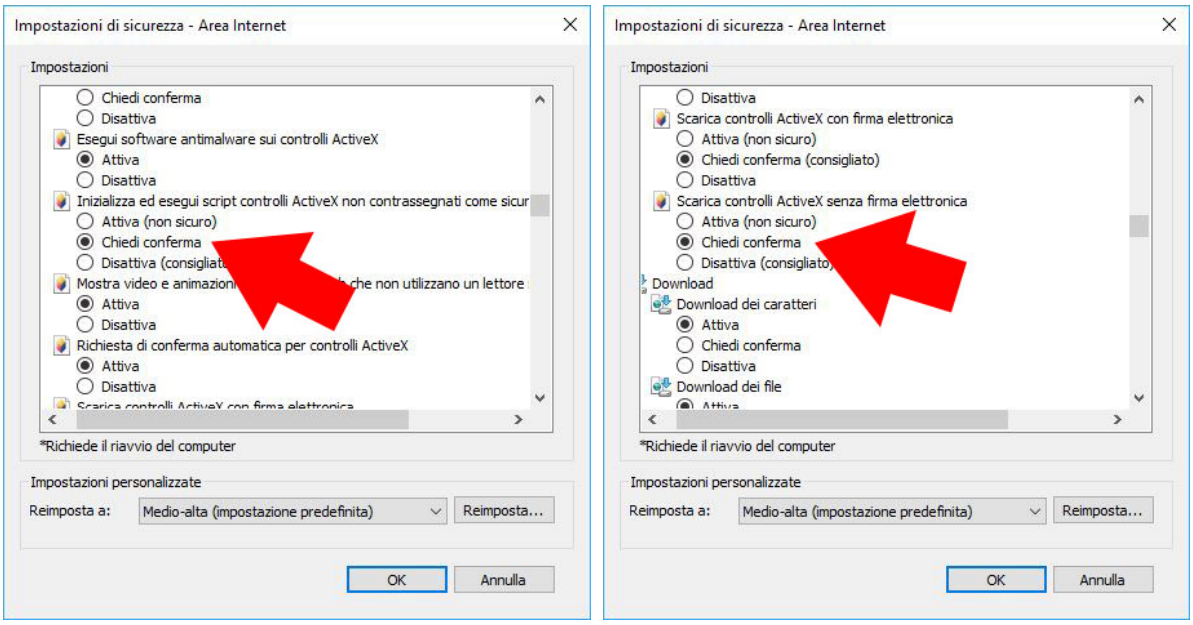
Connect with the browser on the internal network

If you have a computer connected to the same WiFi network your kit, you can view your cameras simply by your Internet browser **Internet Explorer** . Do not use other browsers, such as Edge, Chrome etc because it would not work. On first access you will be prompted to download and install the plug-in needed for connection. Follow these instructions.

1 - ENABLE PERFORMANCE OF ACTIVEX

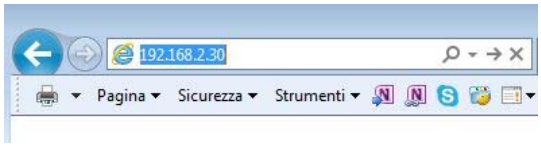
Internet Explorer has security settings that may prevent the installation of the ActiveX component. Before you connect you need to enable the execution of ActiveX not marked as safe. Open Internet Explorer and choose TOOLS / INTERNET OPTIONS





2 - ENTER THE ADDRESS OF YOUR NETWORK NVR

In the previous chapter we saw how the IP address that your NVR is using the local network by opening the Settings menu in the NETWORK section. Type the IP address of the DVR in the Internet Explorer toolbar



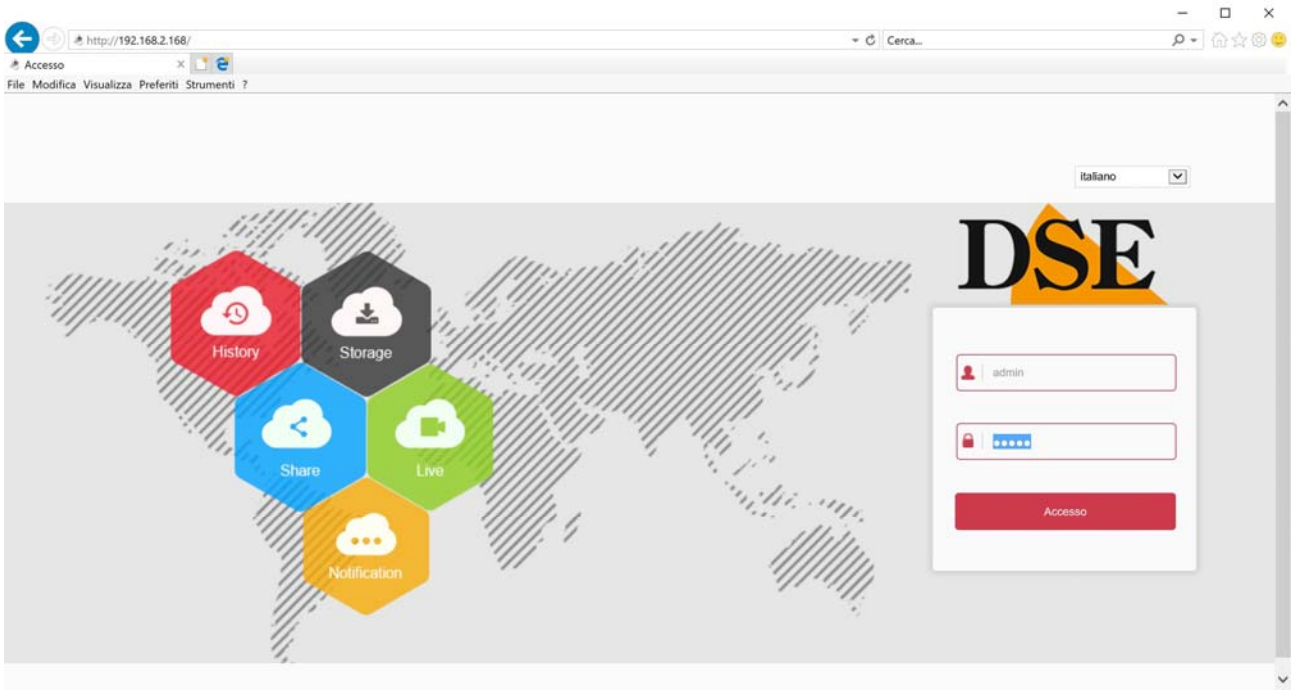
3 - AUTHORIZE THE INSTALLATION OF COMPONENTS

When you first make that you have to authorize the installation of the required components. The best thing is to download the file and install it like any other program.

Remember to close your browser before installing the component activeX and reopen it after the installation.

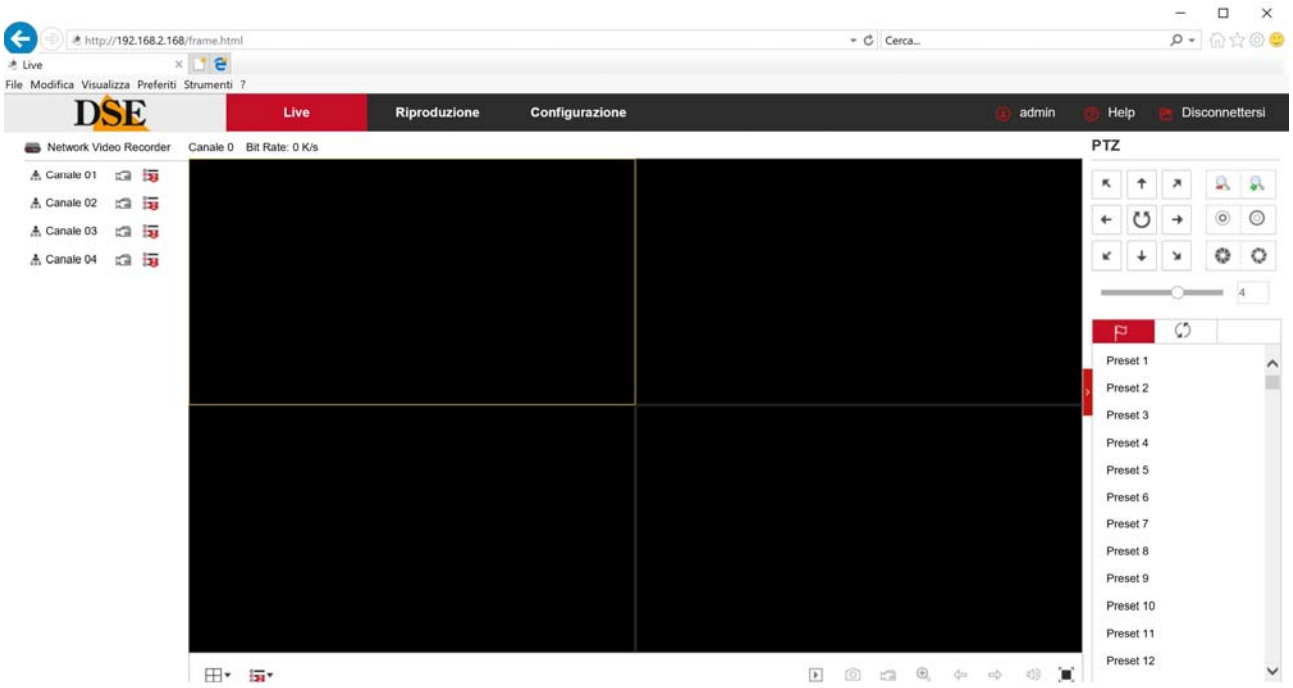
4 - ENTER YOUR PASSWORD

Enter the password for access to your NVR (admin: 12345)



5 - FINISHED

Now you logged in and you can see images of the live cameras clicking the camera icon. You can also review the records by clicking PLAY and change the configuration of the system that we will see in the manual the advanced settings.



Connect with your mobile phone and via internet

To connect via the Internet and by mobile phone check the manual for remote access to our cloud server P2P.

Add an additional camera to your kit

The wifi RKK kits have a maximum capacity of 4 or 8 wifi cameras, depending on the models. If you purchased a kit with a number of cameras below its maximum capacity, such as a kit from 6 cameras that can accept up to 8, you can expand it at a later time by purchasing only the additional cameras.

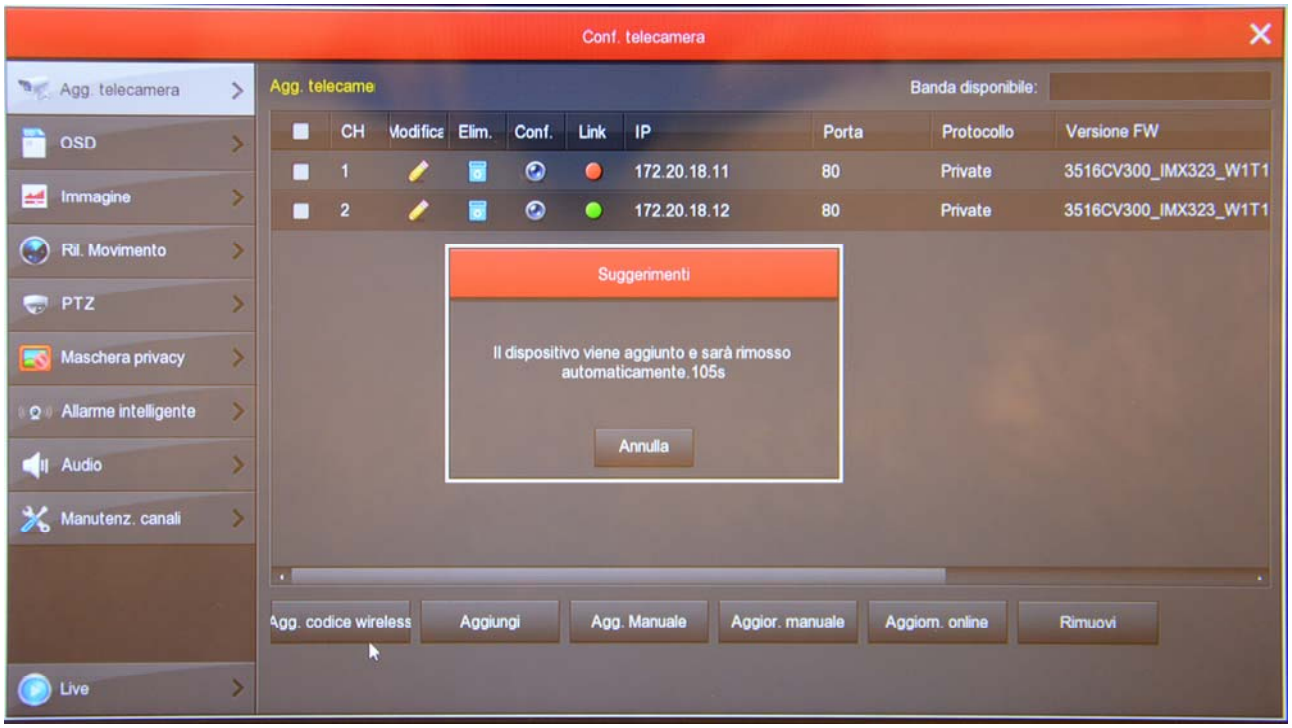
And 'need quite frequent because often, after installing the system, you realize that it would be better to buy a few extra camera. Fortunately, with RKK kit it is easy to buy the additional camera and add it to your kit at a later time. You must follow this procedure also applies if you need to add WiFi RK Series cameras, other than those of the kit. It should match the camera being close NVR and install it in its position difinitiva only once carried out the coupling.

To connect to your kit an additional wifi RK camera, follow these steps. The procedure is slightly different depending on whether the camera has provided the outlet or not. The latest RKK cameras, specifications for wireless kit, do not have an outlet. Instead find the outlet in all our wifi camera standard RK Series.

ADD A CAMERA WITHOUT NETWORK JACK

1 - Alimenta the new camera with its power supply

2 - Open the MENU and access the NVR section CAMERAS
In this example it is a system with two cameras to which we want to add a third.



3 - Press the ADD button. WIRELESS CODE to start camera search to be coupled. It opens a window with a 120-second timer.

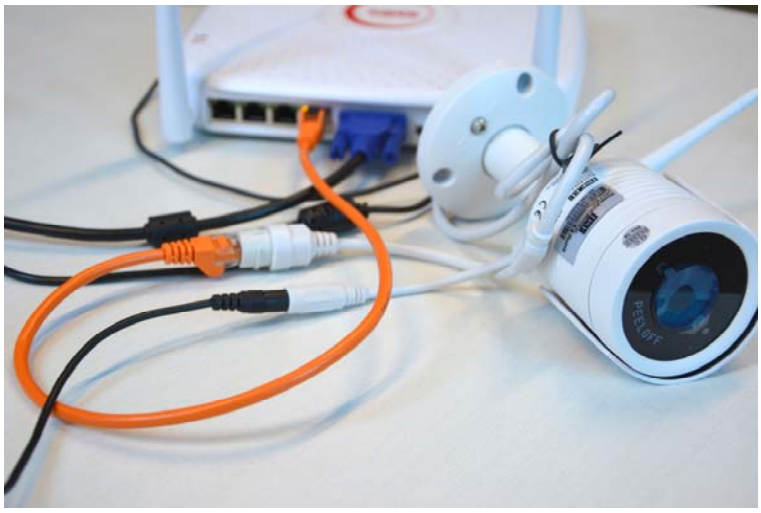
4 - Before they expire 120 seconds, press the button between the connections of the camera, to the left of the power connector.

Hold for 10 seconds until the camera LED will start flashing.

FINISHED - Now the camera is connected to the 'NVR and you can use wifi as the others.

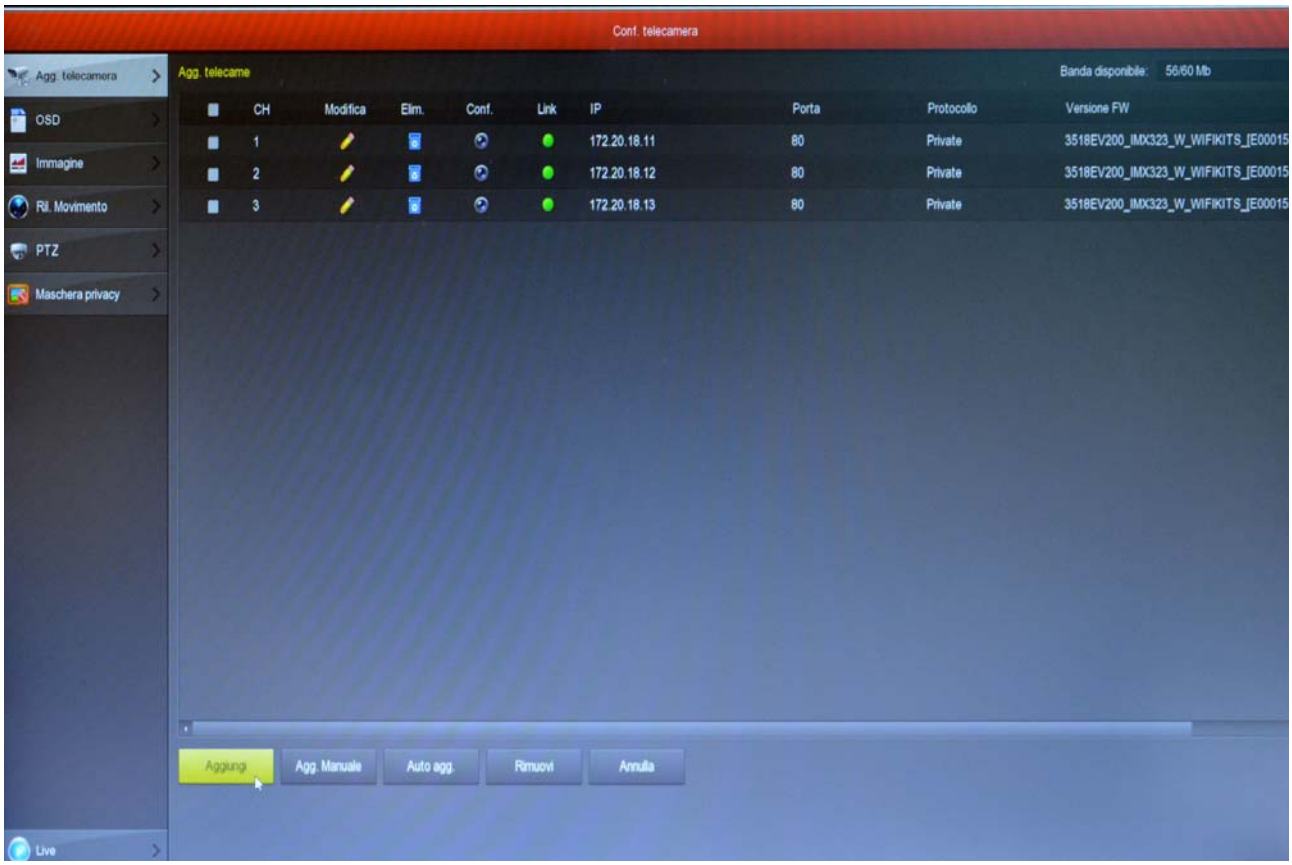
ADD A CAMERA WITH NETWORK JACK

1 - Feed new camera on and connect with a network cable to a network port of the rear NVR. If your NVR has only one WAN port, there connects the new camera, temporarily disconnecting the external network or router. If your NVR has a WAN port and other LAN ports connecting the new camera to a free port at random.

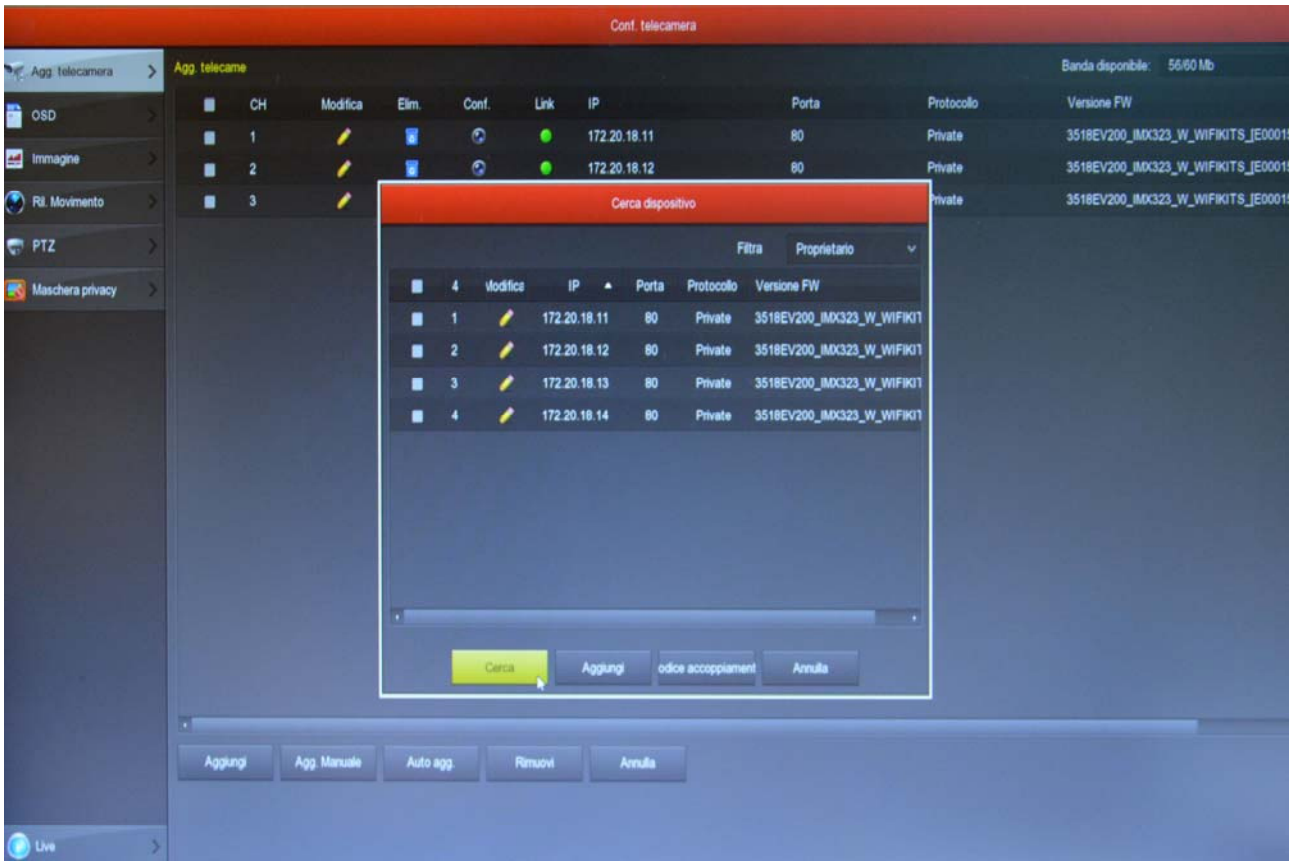


2 - Open the MENU and access the NVR section CAMERAS

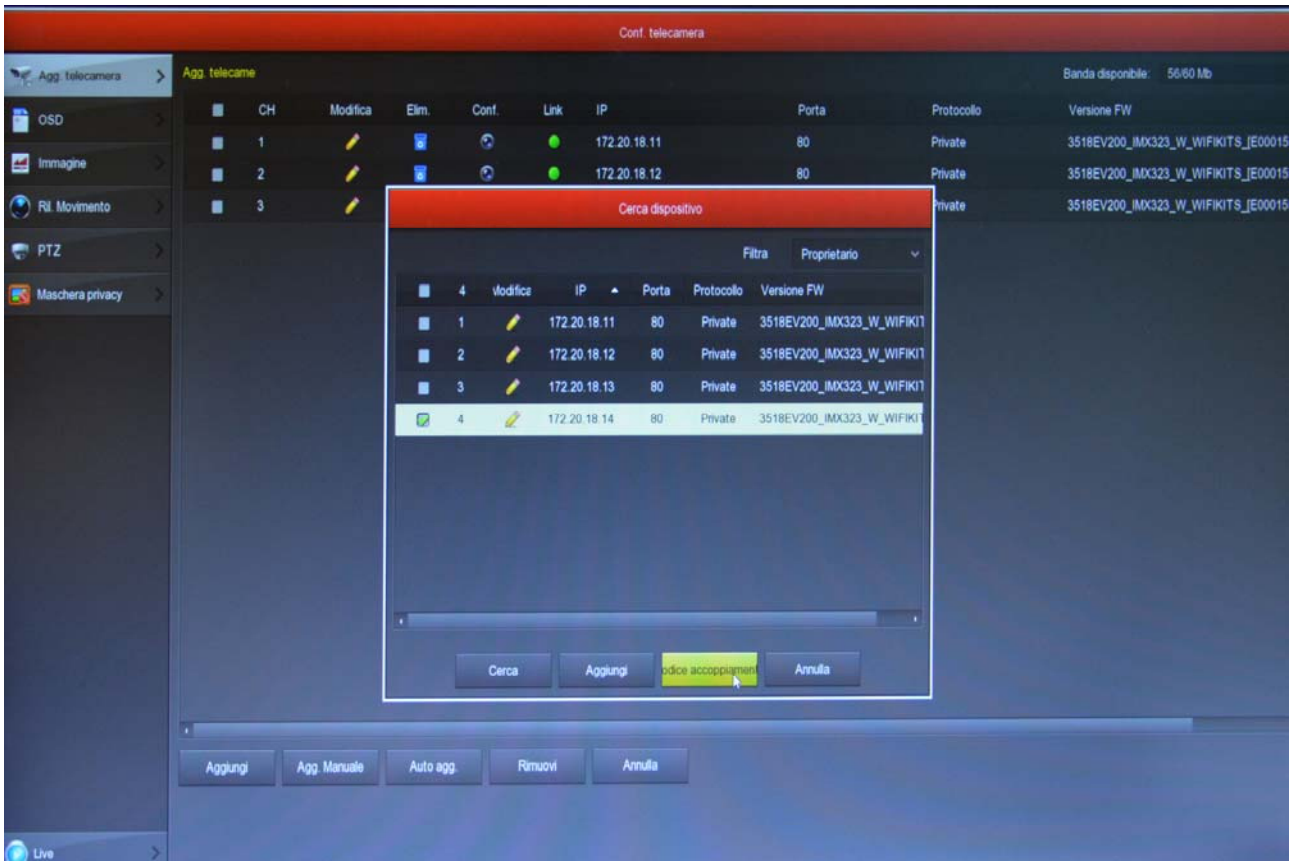
In this example it is a system with 3 cameras connected and functioning to which we want to add a fourth.



3 - Press the ADD button to start camera search



In the FILTER box, leave the default setting OWNER. The NVR will search and find the RKK cameras, in addition to any already installed wireless cameras, the new you have linked with the cable. Probably this new camera will have a completely different address than those already installed, but do not worry; the NVR will configure the camera automatically.



4 - Select the new camera and click PAIRING CODE. Wait for completion of pairing and close the window by right-clicking.

FINISHED - Now you can disconnect the network cable between camera and NVR and use the camera wifi like the others.

Add an external camera NVR

The kits use a wifi RKK RKK wifi NVR series is also able to receive IP cameras connected to the external network. In addition you can also connect to the wifi cameras wifi onvif NVR network. For this type of advanced links you can find useful information in the installation manual of NVR series RK.