



Smart Home Cameras DM Series

On home automation platform



Installation Manual

How to Install and Use Smart-Home Cameras



What did you buy?

These wifi cameras are called Smart-Home because they are intended for home automation. You can easily connect these cameras to your WiFi network, without the need for a computer and technical knowledge, and then control them at your leisure with the Tuya Smartlife home automation app, even via the Internet. With the Smart Life app you can also control other products from our home automation range, such as remote-controlled relays, video doorbells and video intercoms and even home automation products from other manufacturers that use this widespread platform.

These DM Series cameras are ideal for creating your smart home controlled by a single app and perfectly integrated with voice command systems, such as Amazon Alexa and Google Home.

This manual explains how to install and configure the cameras.



Electrical connection cameras with power supply

These Smart-Home cameras are WIFI and therefore only require power electric. In the mains models, the power supply is provided by the power supply which is always supplied. It is a USB power supply that connects with the included cable.

Warning – Always use the supplied power supply and cable. Although these are power supplies standard USB connector is specific for these devices.

As soon as you connect the power supply you will notice the camera starting from the messages audio emitted from the camera through the speaker.

Electrical connection battery operated cameras

Battery-powered Smart-Home cameras can operate without any electrical connection, thanks to their internal battery. These cameras are equipped with a presence detector PIR and can be used successfully in areas where there is a passage of people occasional.

These cameras normally operate in stand-by mode, consuming very little battery. If the PIR sensor detects a presence they activate to record the video and possibly to send notifications. They are also activated when the connection is requested remotely with the app.

Thanks to this system, these cameras can work for many days before request battery charging. Some outdoor models are also equipped with a panel solar which is able to provide automatic battery charging.

When the battery runs low, you can receive a warning notification to proceed with the battery charging. The battery is charged by connecting the camera to a USB power supply. A red LED stays on while charging and turns green or blue when fully charged. completed.

It is advisable to connect the power supply for a few hours before first use in order to fully charge the battery.

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Positioning

When choosing the installation position of the cameras, pay attention to these precautions

CHECK WIFI COVERAGE

Before placing the camera in its final location, remember that this device must connect to your wifi network in order to work. You should therefore check with the cell phone that in the place where you want to put it there is good coverage of your wifi network. If you see that the signal is poor, you should intervene on your wifi network, perhaps by strengthening it with a repeater.

Do not install the camera in an area with poor wifi signal because it will then appear unreliable in its operation.

AVOID SCREENING OBSTACLES

Be careful not to install the camera behind highly shielding obstacles, such as slabs, metal, thick walls, or pillars because they would not allow good communication wifi.

SD card

Smart-Home cameras can record video to a micro SD card (not included) that you can insert inside. The SD card slot is located behind a protective cover that you can easily locate on the camera. You can insert any Class 10 SD card with capacity up to 128GB.

To be able to record, once the camera has been installed, you will have to format the SD card and set recording modes in camera settings.

Reset

Smart-Home cameras are always equipped with a reset button that you can find among the connections, or next to the SD card slot. Press and hold this button for a few seconds if you want to reset the factory conditions to pair the camera to a new one wifi network. A voice message will notify you of the reset in progress.

You must perform this reset if you want to connect your camera to a new access point, even within your own LAN network.



On/Off button

The battery-powered cameras of this series have a power switch, which is located usually near the power socket. This switch allows you to turn off the camera, if not used, to save battery.

On the other hand, the mains powered cameras, having no autonomy problems, do not have a power button. They turn on and work immediately as soon as you connect the power. Normally they remain operational 24 hours a day, like normal video surveillance cameras.



Download the Smart Life App

To use the camera with your mobile phone you must first connect the device to your network wifi. To do this you need the APP **Smartlife** which you can download for free from Google Play or Apple Store. It is a very popular app in home automation that uses the Tuya platform.



Powered by



At the first start you must create an account by entering a valid email address. Press **CREATE AN NEW ACCOUNT** and then wait for the code via email to confirm your registration.

If you don't have an email address you can also use your phone number by pressing **Use Phone Number** and get verification code via SMS

Once you have created your account you will have your own space in the cloud where you can upload all your photos. your cameras and also many different devices, such as our WiFi remote controls or our WiFi video intercoms of this series.

Load the device into the app

You can upload your camera to the app in different modes depending on the model you have. purchased. Below we explain the 3 available modes:

1 - Self-recognition mode

2 - QR code mode

3 - AP wifi mode

There is also a fourth mode that is possible to use the camera with wired network, in models that support it

4 - Cable mode



First start-up and configuration mode

To use the camera with your mobile phone you must first connect the device to your network wifi. It is a very easy operation to perform, thanks to the APP you have just downloaded. In this section of the manual we will explain the phases of this first configuration that you will have to perform only the first time and you will have to repeat only in case of router replacement or change wifi network.

PRELIMINARY OPERATIONS

Connect the camera to the power supply by placing yourself near the wifi hot spot you want to connect to. so you can be sure your WiFi signal is great.

Connect your phone to the same 2.4GHz wifi network you want to connect the camera to. Do not Use 5GHz wifi networks only as they are not supported by all models.

Perform this setup by connecting to the wifi hotspot that the camera will need to connect to

In real operation, do not perform test configurations on another network otherwise you will then have to reset and re-run the setup.

Turn on the camera by connecting the power supply. If you purchased a battery-powered camera you will also need to turn the power switch to ON. Even for battery operated cameras

It is advisable to carry out the initial configuration by connecting the power supply.

If the camera is new, after a few seconds it will emit a voice message reminding "for Please configure wifi". Only if you hear this message can you proceed with the configuration because it means the camera is waiting for configuration.

In some models the voice message is replaced by a flashing LED on the camera which indicates the configuration waiting state.

If you do not hear any message from the camera or do not see the LED flashing configuration, check that you have used the supplied cable and power supply and that it is present power supply. Then perform a reset of the device by holding down the reset button.

Now that the camera is in setup mode proceed with the easier setup, in autoconfiguration.



1 - Set the camera to auto-recognize

This is the fastest pairing mode, but it is only supported by cameras. range that have Bluetooth.

If your camera is not automatically found by the app, it means you need to upload the camera in the app manually in another mode: with qr code, or in AP wifi mode.

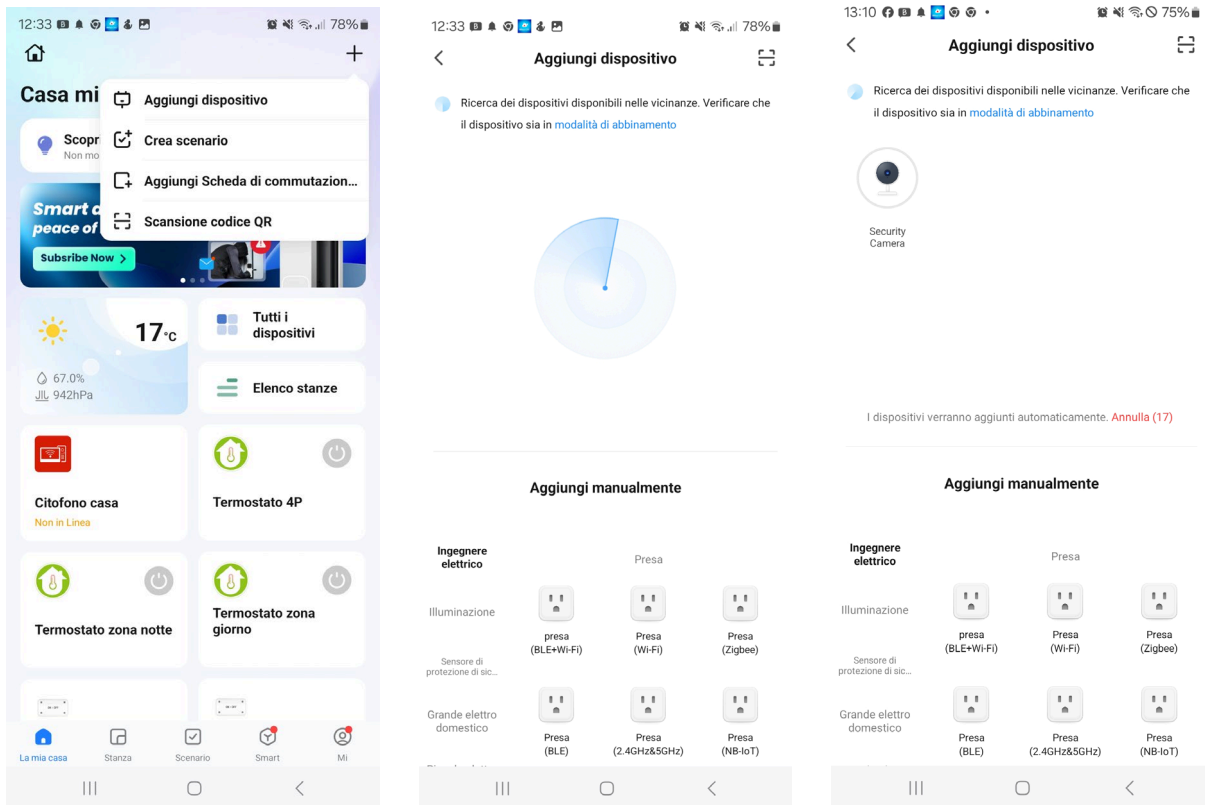
Try the auto-recognition mode first, explained in this chapter.

Here's how to set up your camera in auto-recognition mode.

1 – Make sure your phone is connected to your 2.4GHz wifi network (5GHz is not supported (from all models) and launch SmartLife.

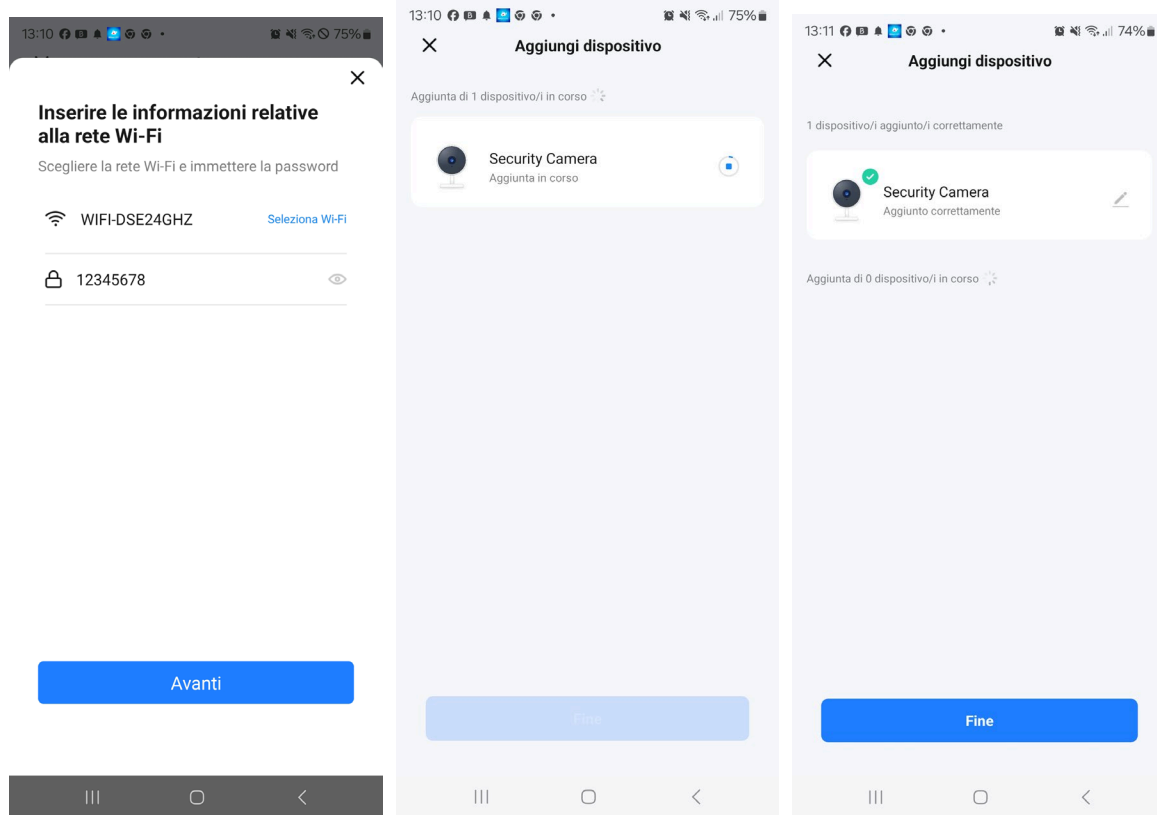
2 – Turn on the camera and wait at least a minute for it to complete the start-up. Once finished of the start check that the message “Please configure WiFi” is played or that it is the configuration LED flashing.

3 –**Press ADD DEVICE** or press the + button at the top right and then choose ADD DEVICE. The automatic search will start and will automatically locate the device. camera.



If the automatic search does not detect any camera, even though the camera is in standby mode of configuration, this means that your camera model does not support self-recognition and you have to proceed with the QR code mode, or AP wifi which are described in the next chapters.

4 – Now select the camera that was detected by the automatic search, select your network 2.4GHz wifi you want to connect to and enter the wifi network login credentials.



FINISHED!

Now the camera is configured and ready to use.

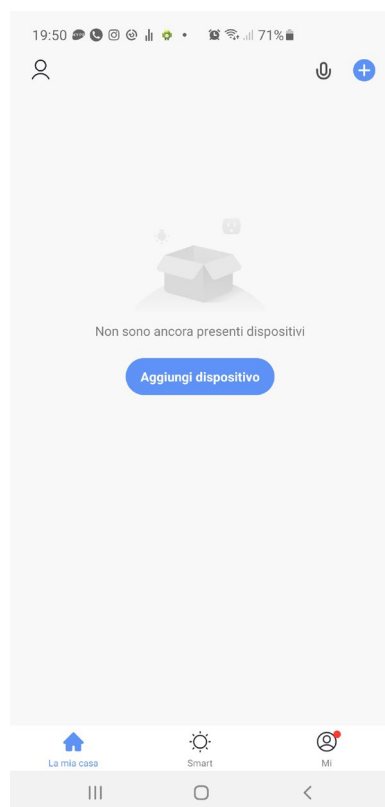
When the camera is configured and connected to wifi and app correctly, **the camera stops making sounds.**

ATTENTION – If the Smartlife app does not detect any cameras while searching for them, device, although the camera is in setup mode, this means that the suit camera does not support auto-recognition and you have to proceed with manual addition with QR code, explained in the next chapter.

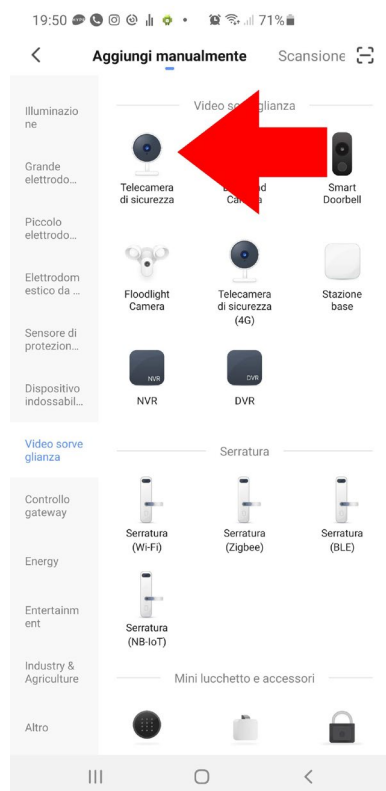
2 - Configure the camera with QRcode

Proceed with this procedure with QR code only if your camera does not have one bluetooth and therefore it was not automatically detected by the app, as shown in the chapter previous. Here is the procedure with QR code.

1 - Press ADD DEVICE

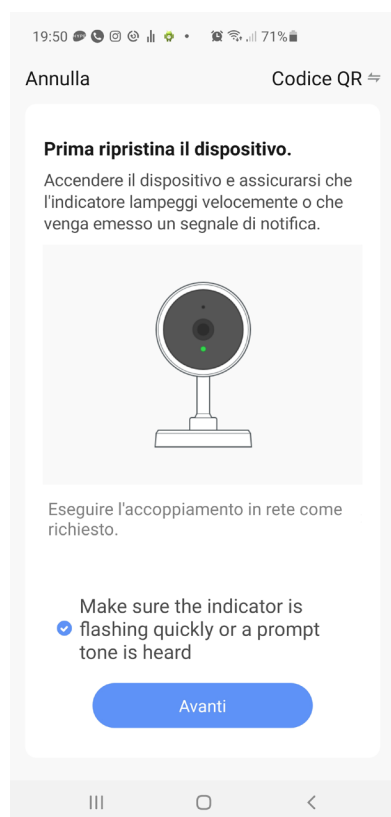


2 - Choose the type of WIFI SECURITY CAMERA device that you find in the VIDEO section SURVEILLANCE or CAMERA

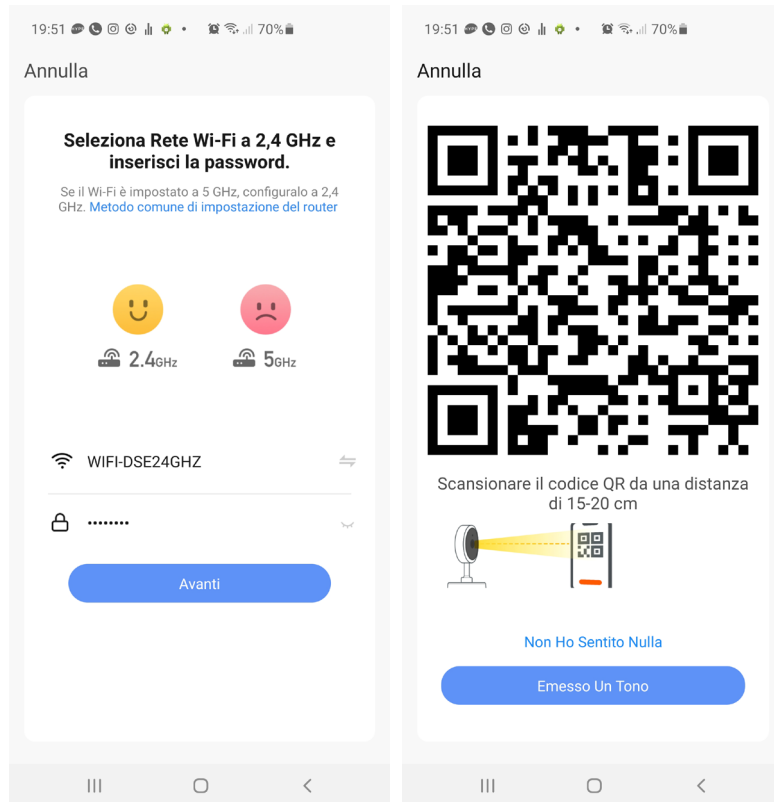


3 – Now power up the camera and wait for it to complete its startup. The cameras motorized ones perform a start-up movement. At the end of the start-up the camera broadcasts a voice prompt: “waiting for WiFi setup”. In some models, the voice prompt is replaced by a flashing LED on the camera.

At this stage the app offers some tutorial pages to instruct you on how to prepare the devices in setup mode. You can skip these pages because our cameras new ones are already provided in configuration mode.

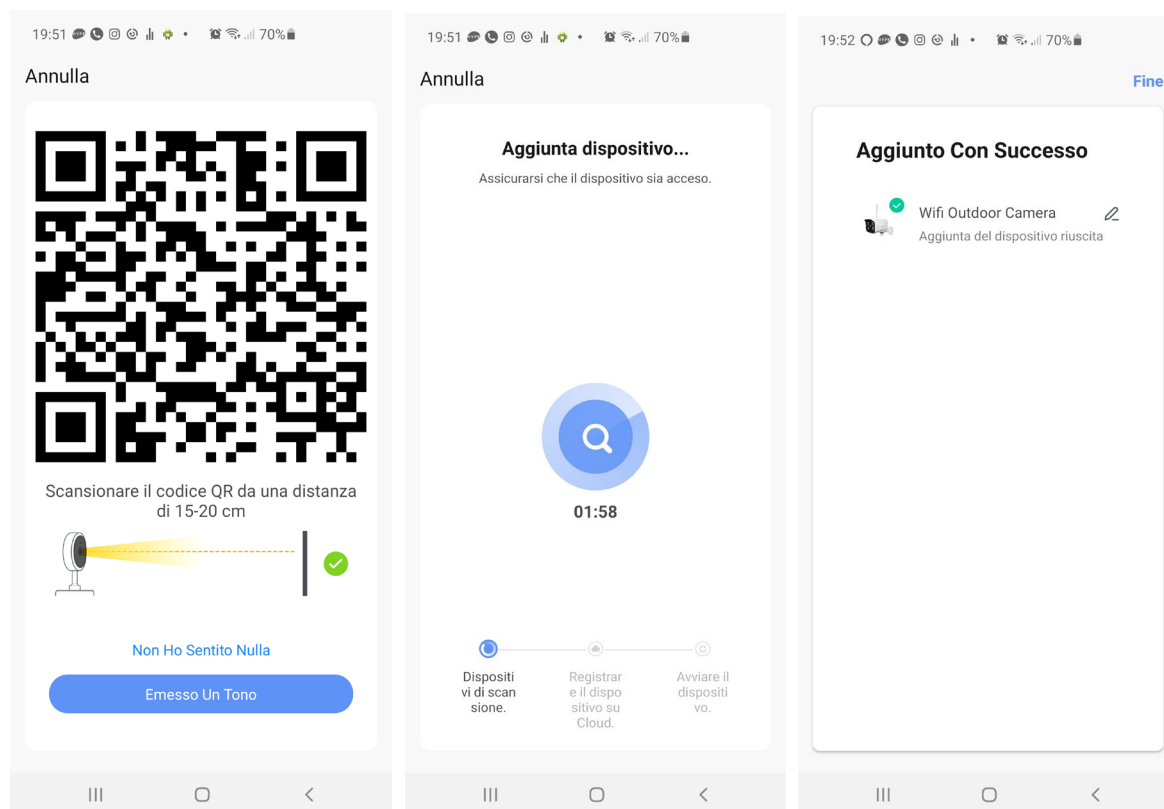


4 – Now you have to choose your wifi hot spot to connect to and enter the access password. If you have networks at different frequencies remember that the device only supports 2.4 GHz WiFi networks. Select the network and enter the password to access your wifi network



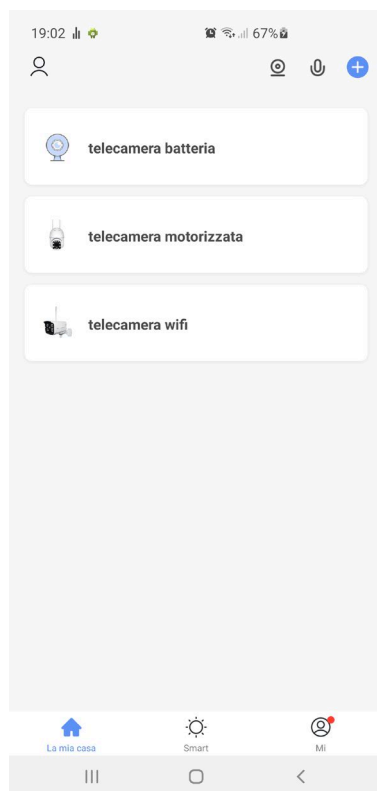
5 – Show the QR code that appears in the app to the camera by placing your phone at a distance of 15-20 cm from the lens. Slowly move the phone back and forth so that the camera has a way to scan the QR Code. Insist until the camera emits a short phrase or a confirmation sound. When you hear the reading confirmation sound, press the button TONE EMITTED to continue.

The camera recording process takes about 30 seconds, during which the camera connects to your WiFi network and is added to your personal area in the Cloud server.



FINISHED!

Now the camera is configured and ready to use. Repeat the same procedure to upload other cameras. If you make a mistake and the procedure doesn't complete, you can press the reset button of the camera for a few seconds and start over.





3 - Set up the camera in AP wifi mode

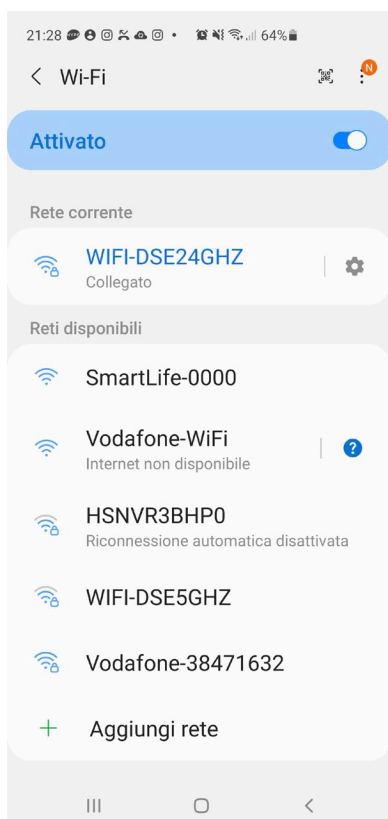
In some situations, the QR code configuration, described in the previous chapter, could fail if the camera fails to focus on the QRcode properly shown by the app. This can happen especially with cameras that have autofocus.

In this case you need to configure the camera in AP mode, in which the camera emits your own wifi network.

This is the most complex configuration mode and should only be used if the camera has proven to not support either automatic configuration or QR code configuration explained in previous chapters.

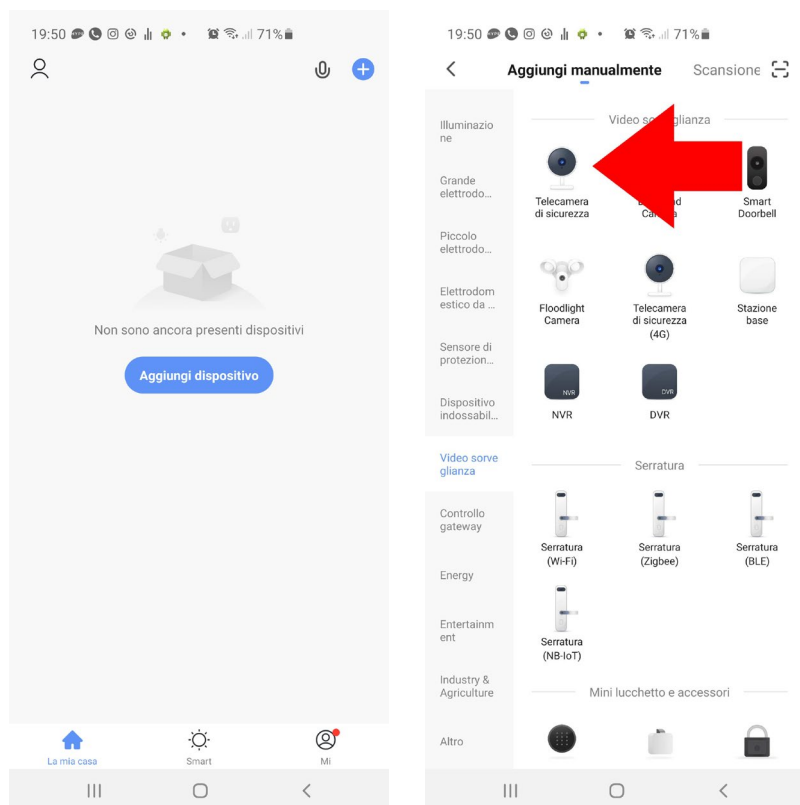
1 – Activate AP mode by turning on the camera and **pressing the reset button for 3 times** consecutive. The camera restarts and after the restart the message is no longer played waiting for configuration. The camera is now in AP mode.

If you want to check if the camera has switched to AP mode, search among the wifi networks of your mobile phone: you will find a new network called SMARTLIFExxxx, but do not connect to it moment to this network.

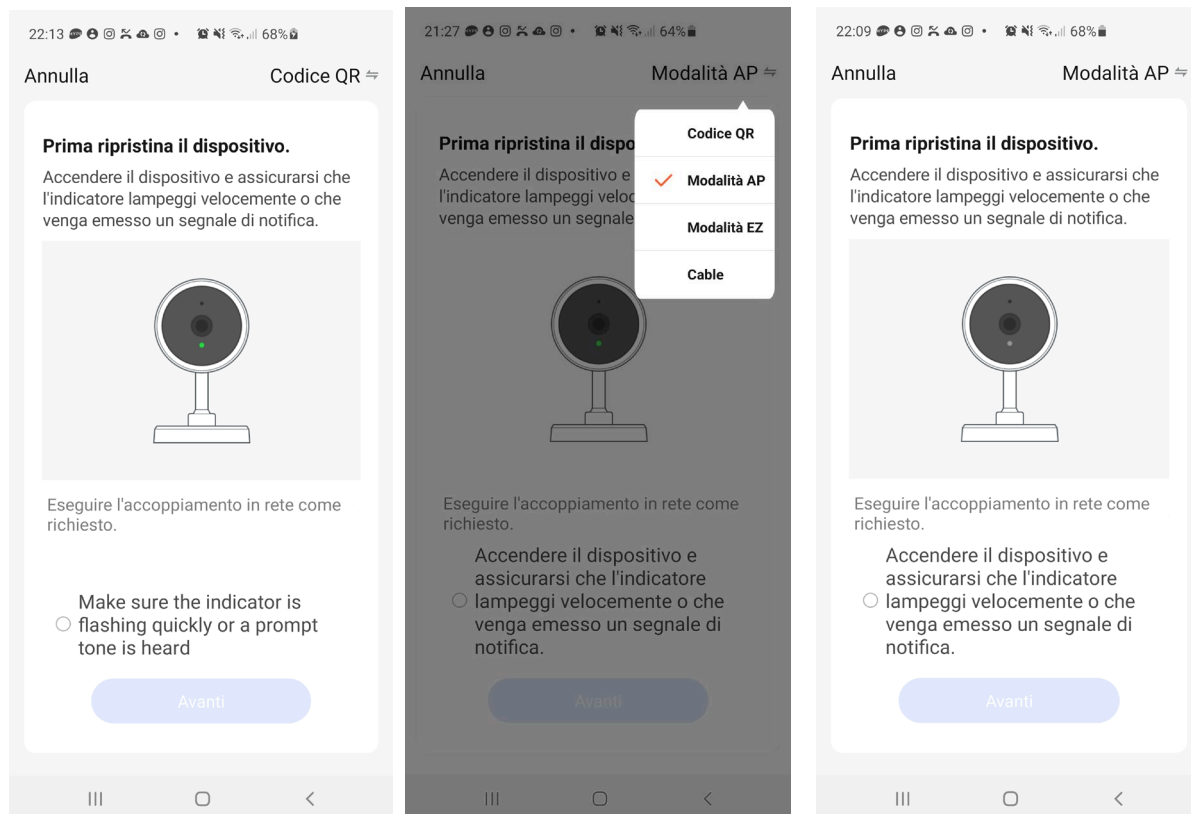


2 – Make sure your phone is connected to your 2.4GHz wifi network (5GHz is not supported) and start SmartLife

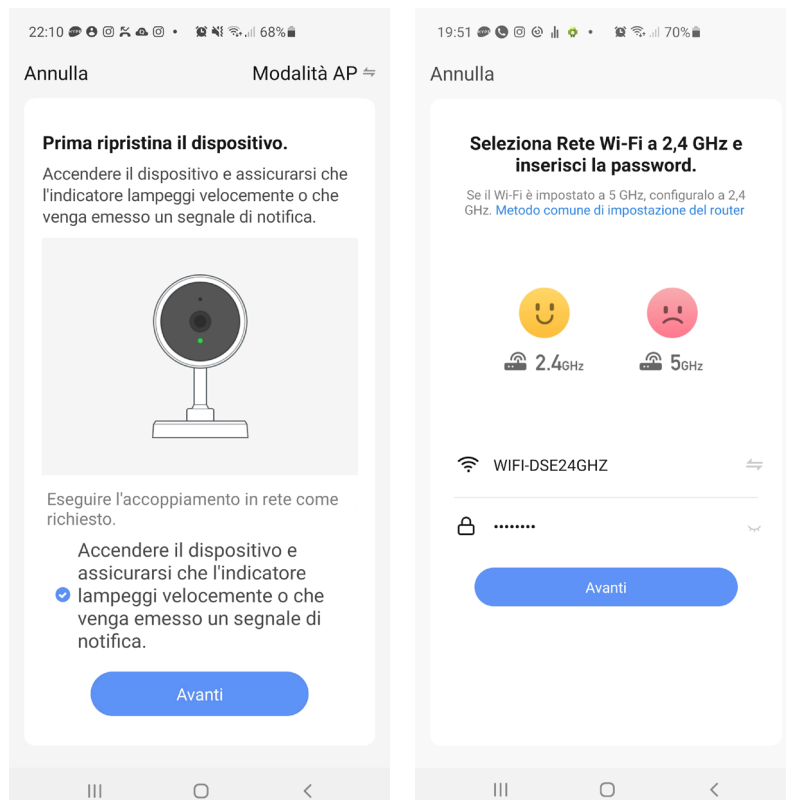
3 – Press ADD DEVICE or press the + button at the top right and then choose the type of SECURITY CAMERA device that you find in the VIDEO SURVEILLANCE section



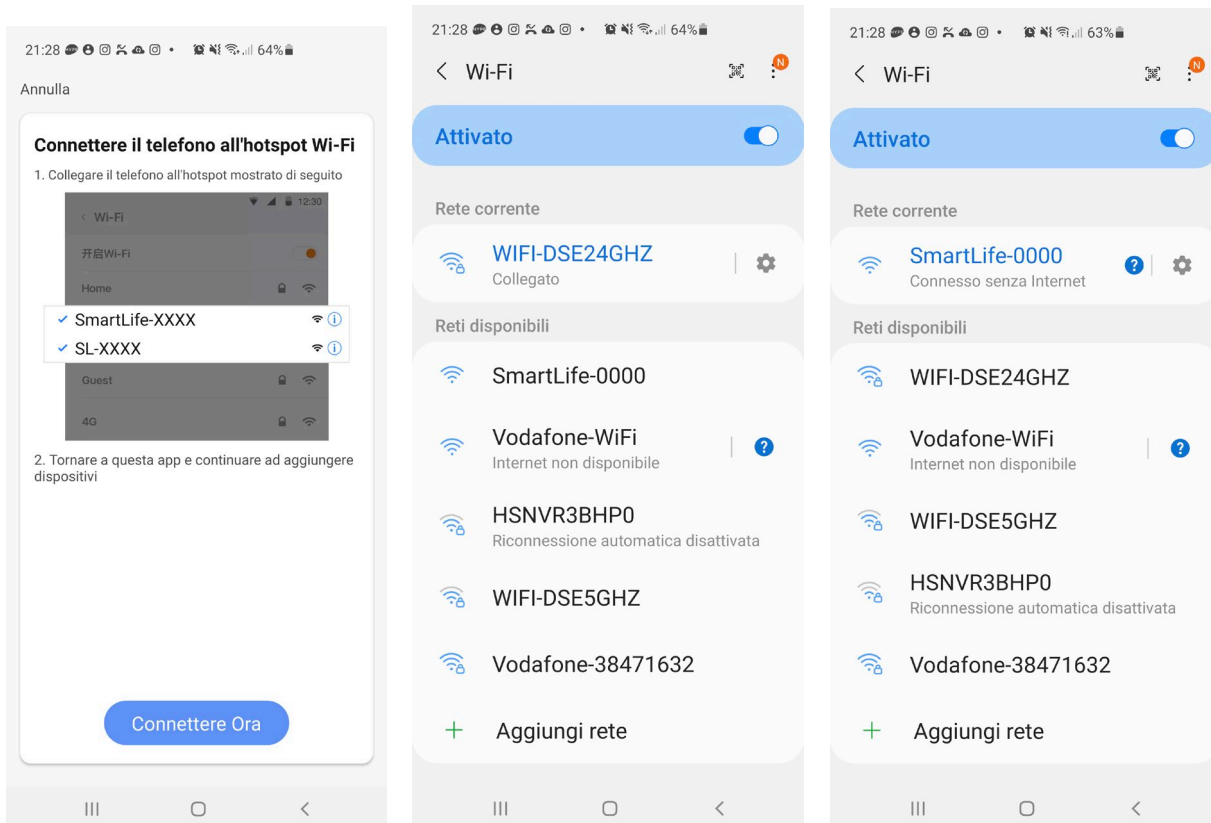
4 – The procedure for adding the device starts. Instead of proceeding with the NEXT button, as in the QR code configuration described above, tap the QR CODE item at the top right and choose AP MODE from the drop-down menu.



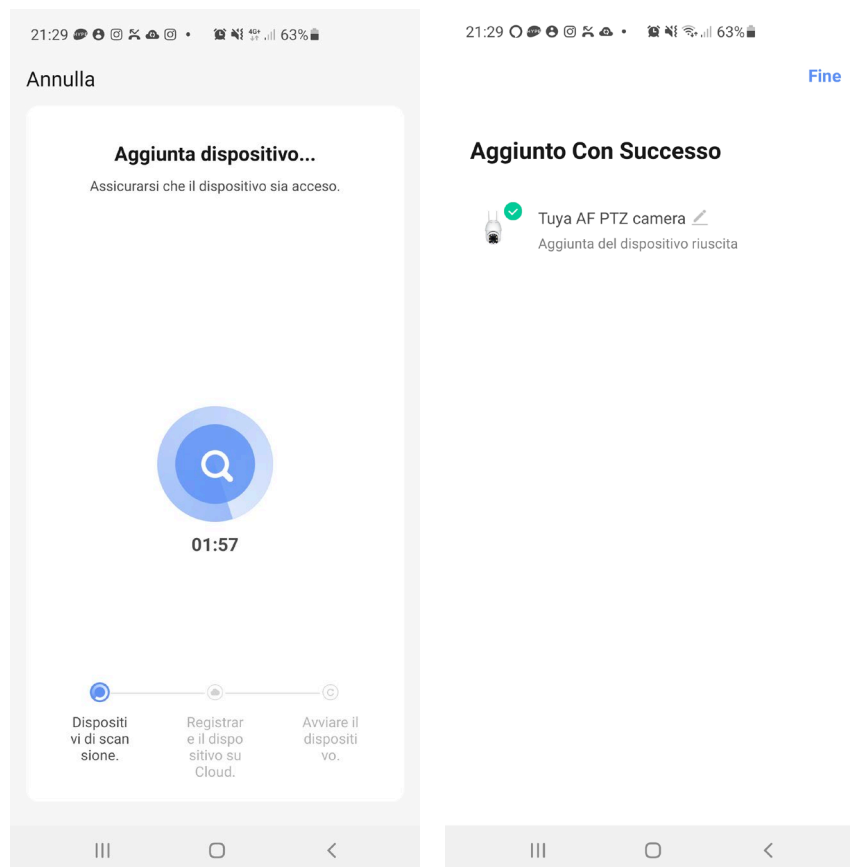
5 – Now tick to enable the button and then press NEXT. Select your 2.4 wifi network GHz you want to connect the camera to and enter your wifi password. Press NEXT.



6 – Now you need to connect your phone to the camera's wifi. You can do it directly from the app pressing CONNECT NOW. Choose the SmartLife WiFi network to connect. Wait for the network to colleagues and if the phone warns you that the network does not have Internet choose to keep the connection.



6 – When you are connected to the camera's network, press the back button to return to the app. The camera addition procedure will start and you just have to let it complete.



FINISHED!

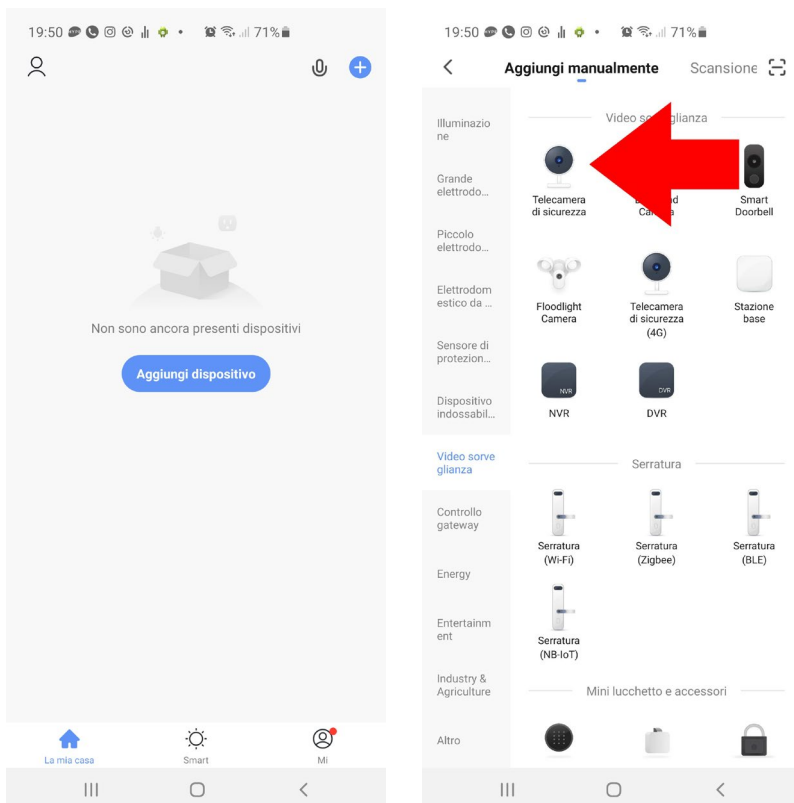
Now the camera is configured and ready to be used. The camera, if with speaker, speaks an Internet Connected message.

4 - Set up the camera in wired mode

All these cameras are usually used in wifi connection. Some models have however also of a wired port to be able to be connected to a wired network. If you want to use the cable camera you need to install in cable mode.

1 – Make sure your phone is connected to your wifi network and that this wifi network is in turn connected to your wired network. Normally you have to connect to your router's wifi and connect the camera to a wired (LAN) port of the router. Power the camera and wait for it to play the message waiting for wifi configuration or showing the flashing configuration LED.

2 – Press ADD DEVICE or press the + button at the top right and then choose the type of SECURITY CAMERA device that you find in the VIDEO SURVEILLANCE section



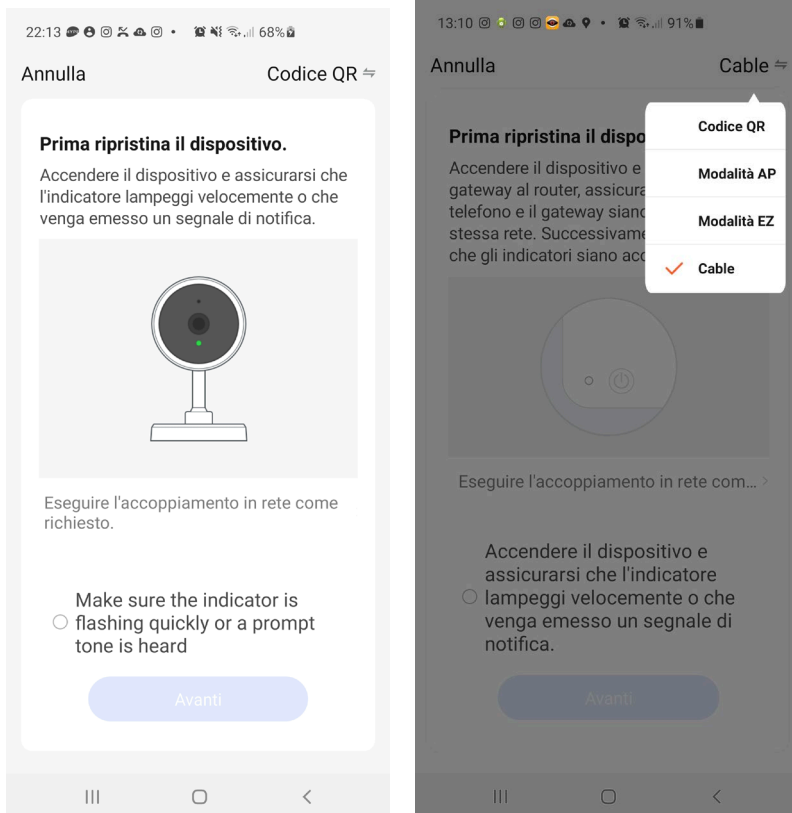
3 – The procedure for adding the device starts. Instead of proceeding with the NEXT button, as in the QRcode wifi configuration described above, tap the QR CODE item at the top on the right and choose CABLE MODE from the drop-down menu.

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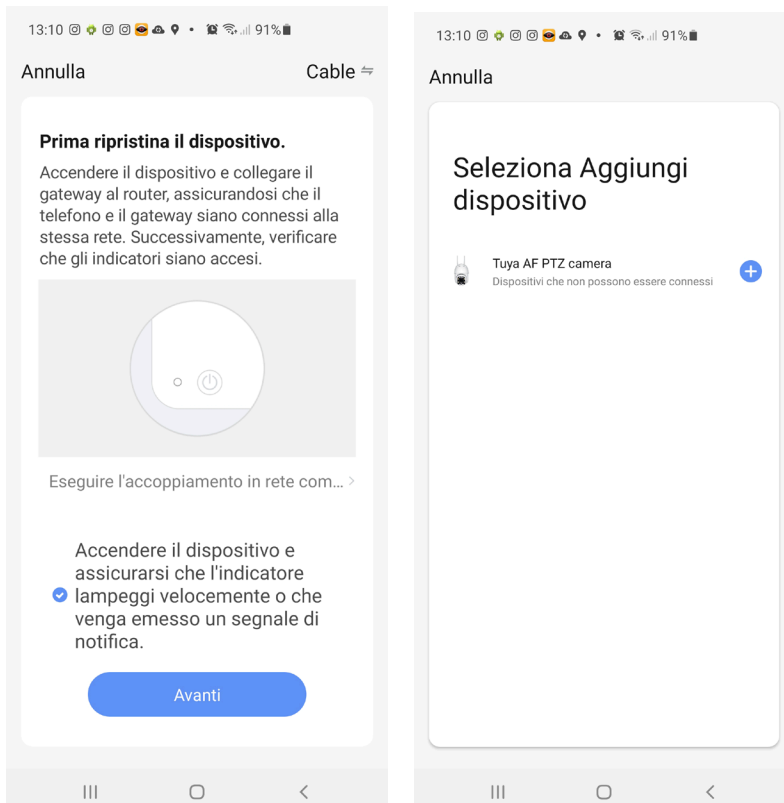
DM Series Cameras



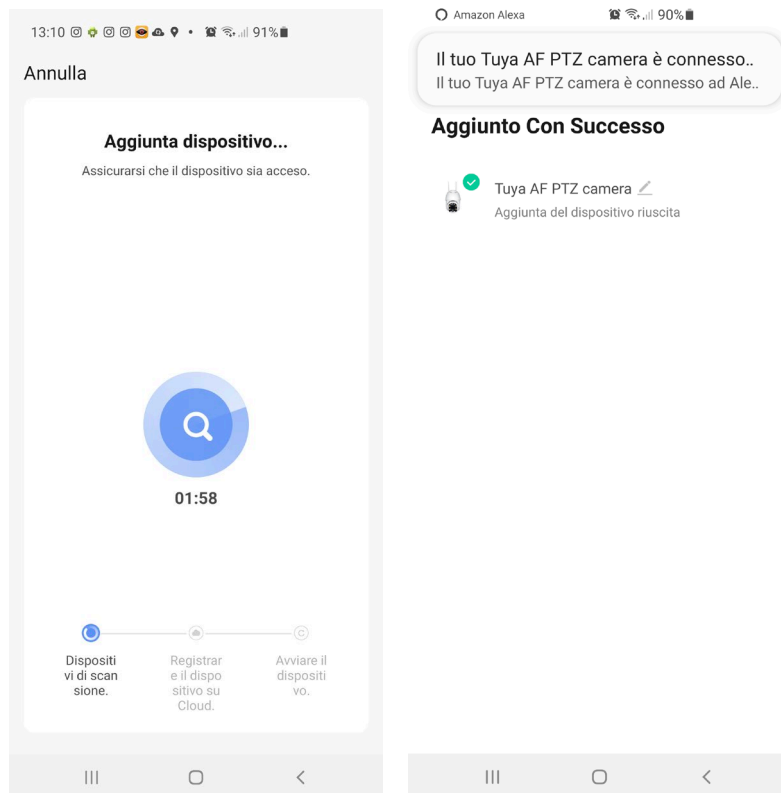
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4 – Now check the box to enable the button and then press NEXT.



5 – The app detects the camera connected to the network. Press the + button to add it to the application.



FINISHED!

Now the camera is configured and ready to be used. The camera, if with speaker, says Internet Connected. If setup fails, try again one more time and check that your phone is connected to your wifi network. Also check that the The network port LEDs of the router or switch you connected the camera to light up.

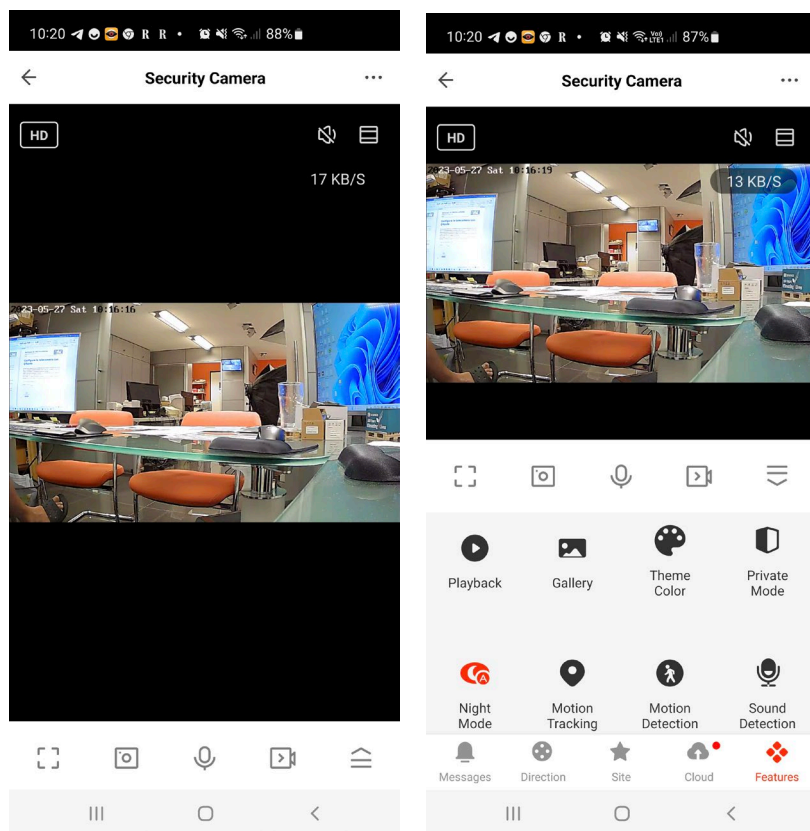
Use the camera

Now that you have configured your camera you can control it with the app. Thanks to the P2P cloud server

You can control it not only within your network, but also across the Internet.

The features provided by the app vary greatly depending on the model, so the

The following indications are for general guidance only.



- Enable listening to audio through the device's microphone



- Select between the highest resolution (FHD) main video stream and the highest resolution (FHD) secondary (SD) lighter. It can be useful to receive SD streaming when connecting with little bandwidth available and FHD images are not received smoothly.



- Enables digital zoom in the image. The zoomed area can then be moved by dragging it. It is also possible to activate digital zoom with the two-finger pinch gesture.



- Switch between normal and full screen view



- Take a photo of the live image which is saved in the album (see below)



- By pressing this button, you can talk to anyone near the camera.

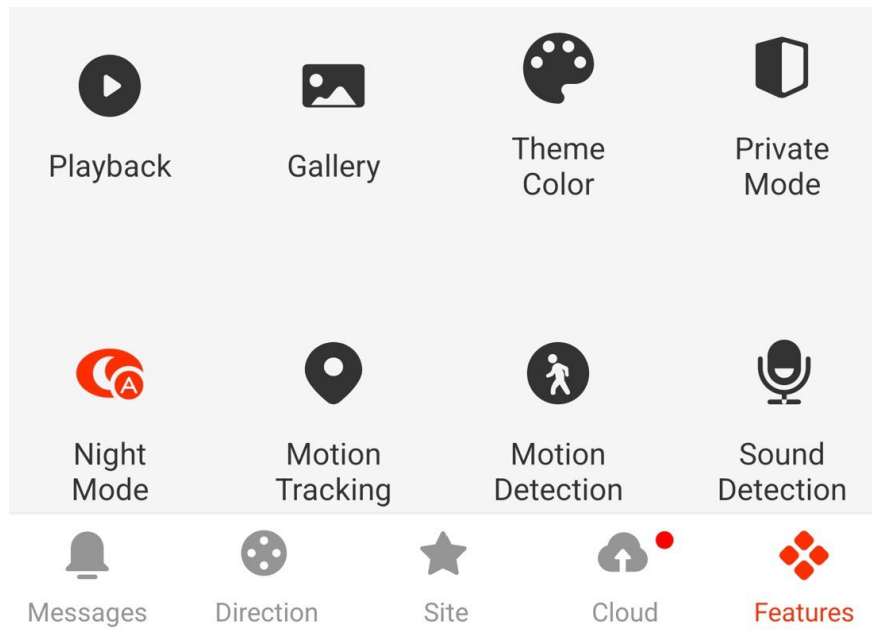


- Press to record the images you are viewing into a video that will be saved in the album



- Opens the advanced commands menu

The functions available in this section vary depending on the model purchased



PLAYBACK—Allows you to play videos recorded in the SD memory inside the device

searching for them by date

GALLERY—Here you can browse the recorded photos and videos with the PHOTO and REGISTRATION seen above

THEME COLOR—You can use the app in normal mode: Light Mode or in Dark Mode with dark backgrounds.

PRIVATE MODE – Allows you to put the camera into Stand-By mode

NIGHTMODE—Set the camera's night vision. Normally, the function is retained

AUTO so that the camera shoots in color if there is enough light and switches to backlight

monochrome infrared in case of insufficient light. However, it is possible to force the shooting

always in Color by selecting OFF (shooting with natural light) or always in B/W with IR

by selecting ON. In cameras with Dual LED (LEDs that produce IR or white light) you can



Set night vision to black/white (IR light) or color (white light)

MOTION TRACKING–Enable autotracking function (only in motorized cameras) so that the camera automatically follows the movements of the subject detected by the Motion Detection

MOTION DETECTION–Enables motion detection thanks to which the camera can send notifications in case of detected movements in the captured area. In models with Human Detection the detection is activated only in the presence of people, excluding the movement of insects or objects.

SOUND DETECTION–Enables sound detection thanks to which the camera can send notifications when sounds are detected by the camera's microphone.

DEVICE VOLUME–It is possible in some cameras to adjust the playback volume of the speaker

PIR–If the camera is battery operated, it has a PIR presence sensor that detects the presence of people or animals and activate the camera. Here you can adjust the sensitivity of the detector. frontal presence.

SIRENS–Some cameras allow you to manually activate an audible alarm signal which is played from the device's speaker.

EDIT–You can bring some commands to the main screen of the app so you have them easier to use. quickly available.

At the bottom are the buttons that control the advanced controls window.

MESSAGES–Show all alarm events recorded by the camera with description and relative registration

DIRECTION–Allows you to control the movements of motorized cameras by pressing the arrows in 4 directions. You can also move the motorized cameras by dragging your finger in the live image.

SITE–Allows you to store favorite shots in motorized cameras

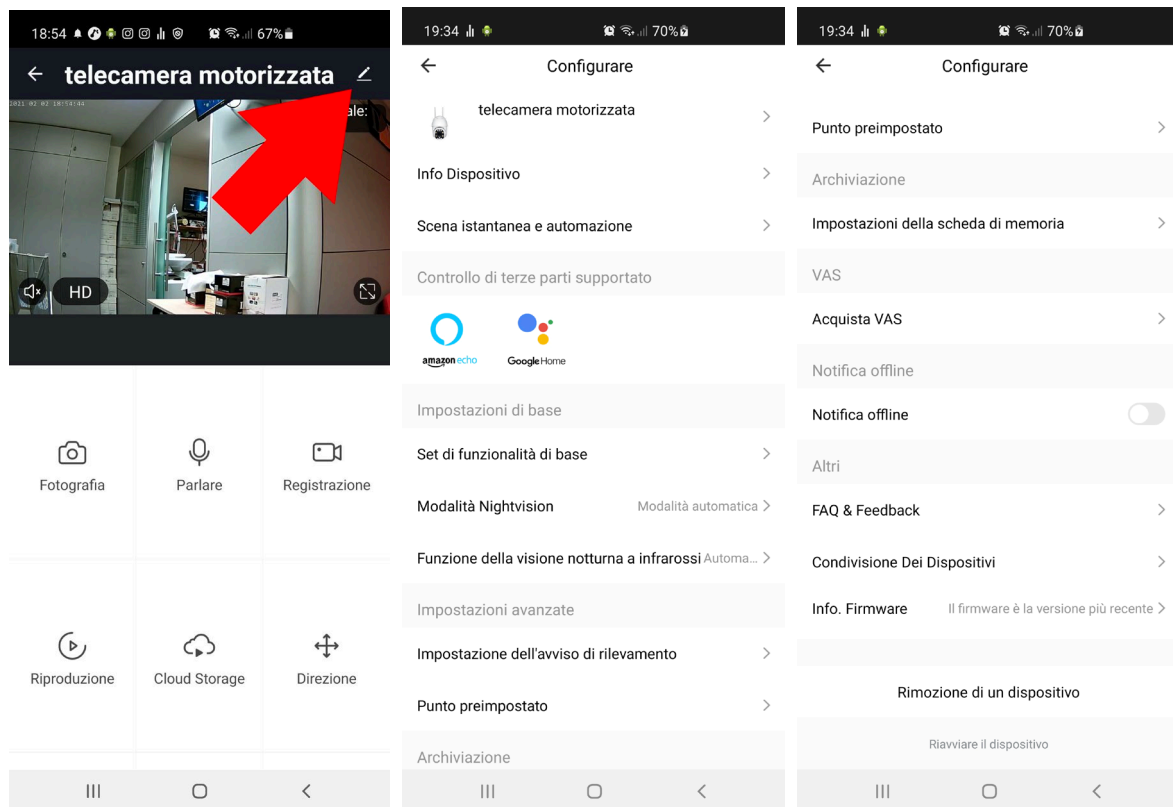
CLOUD STORAGE–Smart Home cameras support image saving alarm recordings on a cloud via web. You need to purchase cloud space to be able to use this service. If you use cloud saving you will use this button to review the recordings saved in the cloud.

FEATURES–Show advanced features

Settings

From the device's command page you can access some advanced options by pressing the edit icon (pencil) at the top right

The options you will find available depend strictly on the camera model.



DEVICE INFO –Show camera information

INSTANT SCENE AND AUTOMATION–Indicates whether you have entered the device into a scenario smartlive. The app allows you to predict scenarios to perform automatic actions.

THIRD PARTY CONTROL -You can connect your Smart Home cameras with smart home devices. voice command. The cameras support the most common voice command devices such as Amazon Echo (ALEXA) and Google Assistant. In this section you will find instructions on how pair your camera. Directions for these integrations are provided later in the manual.





BASIC FEATURE SET –This section contains the basic settings of the camera which may vary depending on the model. Normally the ROTATION is set here OF THE SCREEN, the TIME OVERLAY and the type of ONE-WAY and TWO-WAY AUDIO.

NIGHTVISION MODE–Set the camera's night vision. Normally it is maintains the AUTO function so that the camera shoots in color if there is enough light and switches to monochrome infrared illumination in case of insufficient light. However, it is possible to force the shooting to always be in Color by selecting OFF (shooting with natural light) or always in B/W with IR selecting ON

DETECTION ALERT SETUP–Here you set the options of the motion detection, its sensitivity and time programming. In the models that have it allow you to enable human detection (motion detection) and autotracking (motion monitoring). You must enable this detection to receive notifications of alarm.

Some models also have sound detection. For all these detections you can set timers so that they activate only during certain time slots. You can also set the duration of the alarm recording.

SIREN ADJUSTMENT–In cameras that have an audible alarm, you can set the alarm here. type of sound, volume and duration.

ONVIF–Some models support onvif protocol to connect to NVR (see later in the manual). Here you enable the protocol.

PRESET POINT(PRESET) – In some motorized models you can set some stored positions (PRESET)

ENERGY SAVING SETTINGS–This entry is only available on devices with battery and allows you to view the battery charge status and also set the threshold of charge at which the low battery notification will be sent (factory 20%)

MEMORY CARD SETTINGS–This entry is only available if you have entered in the device an SD memory card. Here you check the status of the SD memory inserted in the camera with Total, Used and Remaining capacity.

RECORDER SETTING–You can schedule continuous recording or event-only recording and format the card. You also have a scheduler to record only in certain periods.

VAS CLOUD STORAGE–These cameras can save recordings to cloud servers. Here you can purchase cloud storage if you want to use this service.

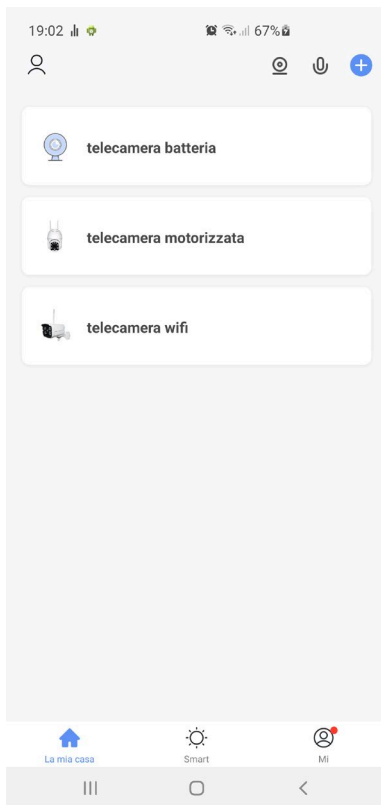
OFFLINE NOTIFICATION–Allows you to receive a notification if the camera remains on for 30 minutes offline (not connected to the server). For battery-powered cameras this limit is 8 hours.



Device Management

Smart Home means being able to manage your entire home with your mobile phone. Smart Life is the ideal app. You can add all our DM Series devices: our Smart Home cameras, our remote controls and our intercoms and manage them all from the same app.

All your devices are in the app



At the top you have some buttons for managing many components.



It allows you to see all the cameras together in multiview



You can use voice commands to call up the most common functions

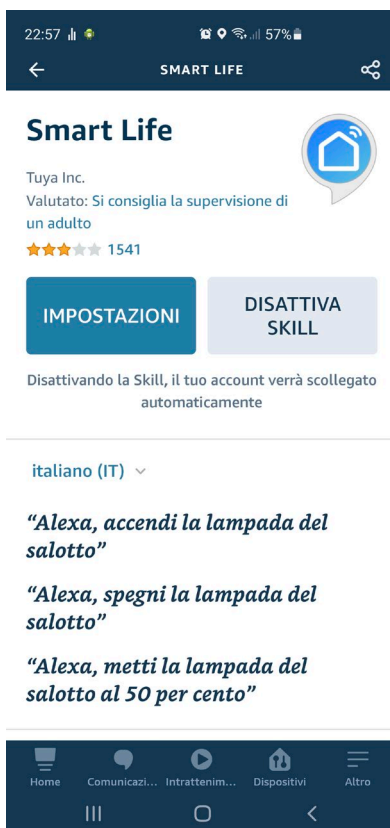


Amazon Echo Integration

Smart Life integrates seamlessly with Amazon Alexa.

Just download the **SMART LIFE skills** using the Amazon Alexa app to connect Alexa to your Smart Life account. Through the Smart Life skill you can control all our DM Series devices with Alexa voice commands.

To manage the cameras with Alexa you need to purchase a device with the monitor, such as Echo Show. You can ask Alexa to show the camera you want at any time.





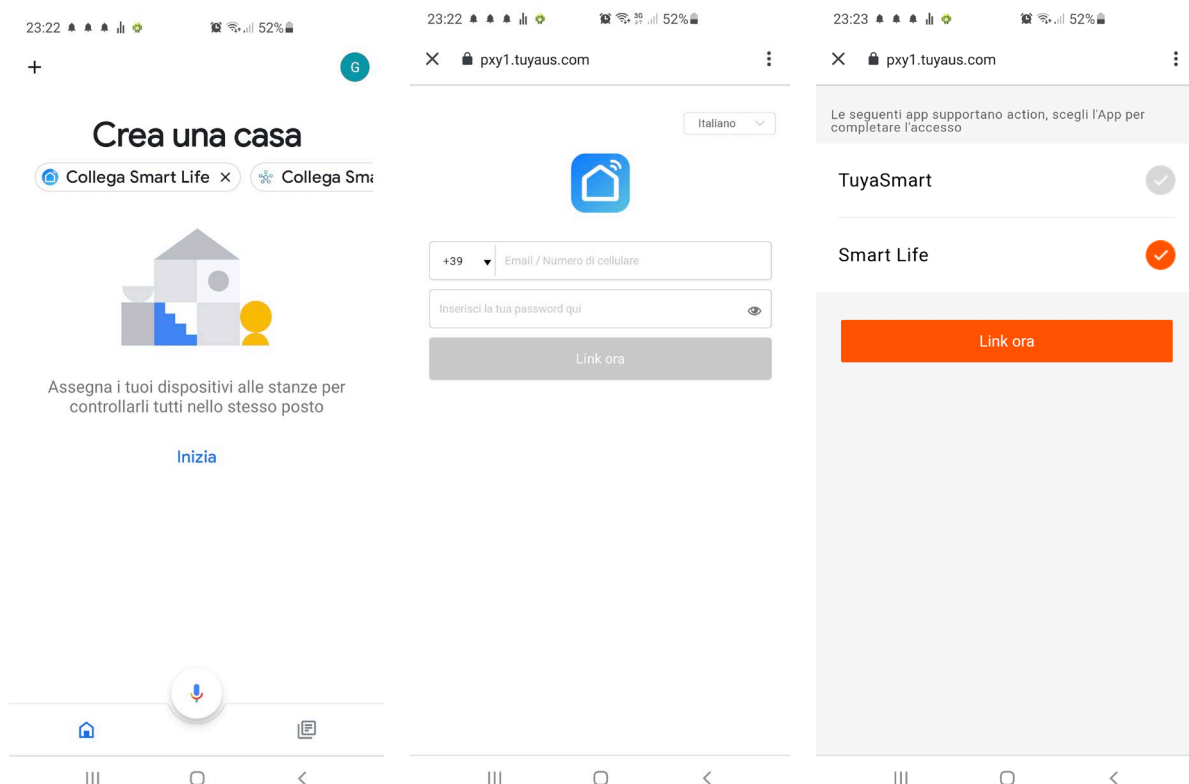
Google Home Integration

Smart Life integrates seamlessly with Google Home

You need to download Google Home and connect Smart Life by entering your account credentials.

To view the cameras you will need a device suitable for viewing for Google

Home, like Chromecast.



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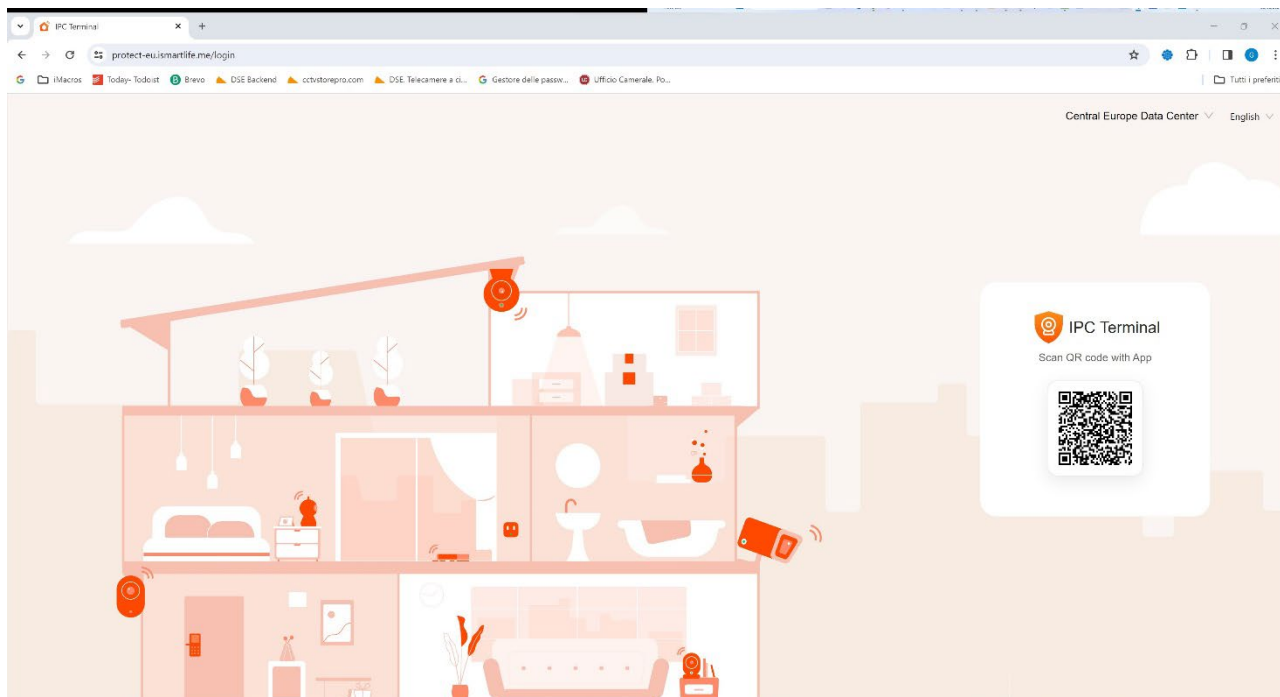
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Connection from computer

If you want you can control your cameras from your computer via the site

<https://protect-eu.ismartlife.me> which supports all common browsers

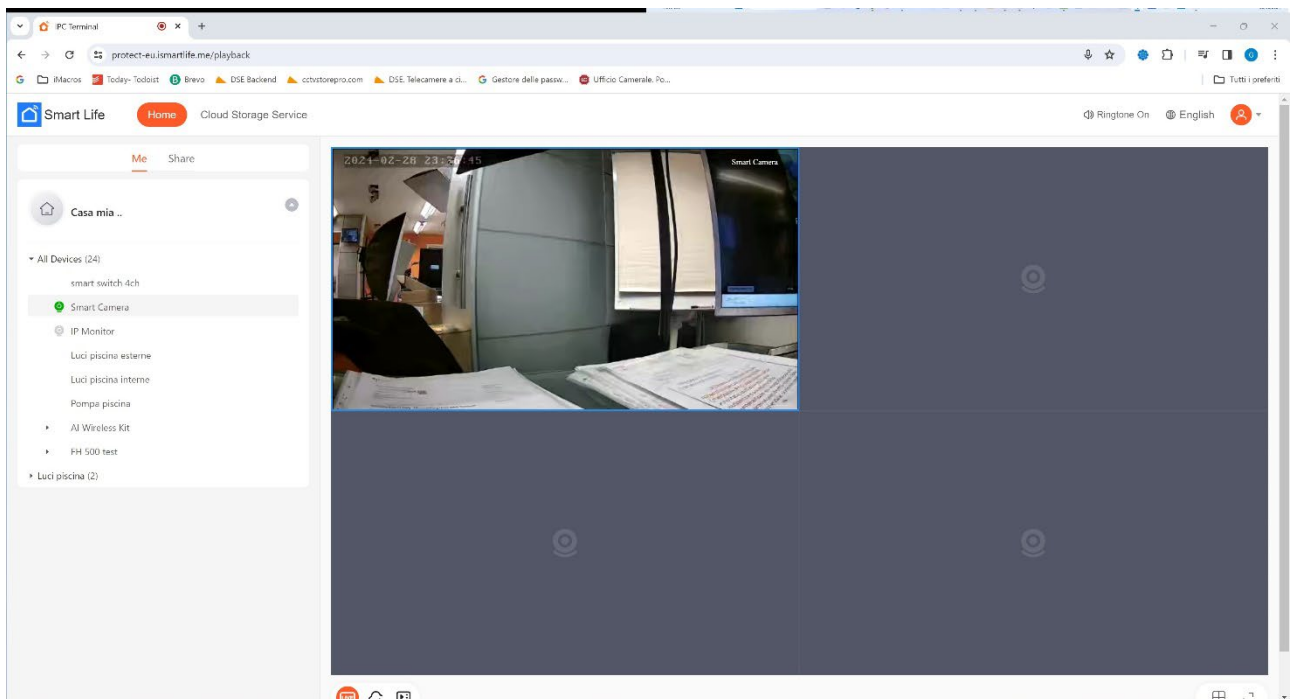
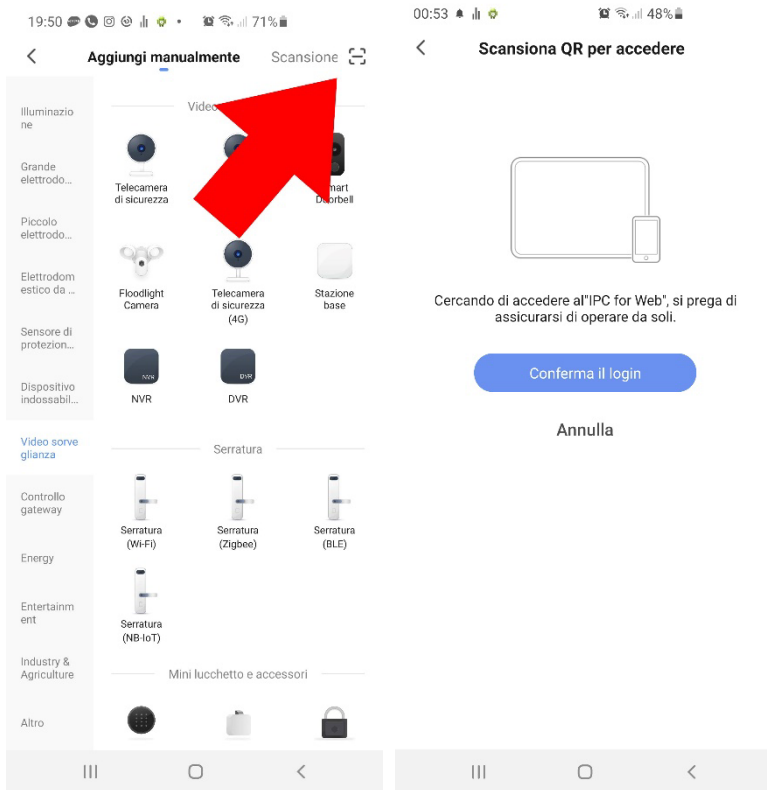


To log in to the site you don't need credentials, all you need is your mobile phone. Open the Smartlife app, tap add device and press the scan button on the top right. Frame the QR code that appears on the site and you will have direct access to all your devices in live viewing and playback

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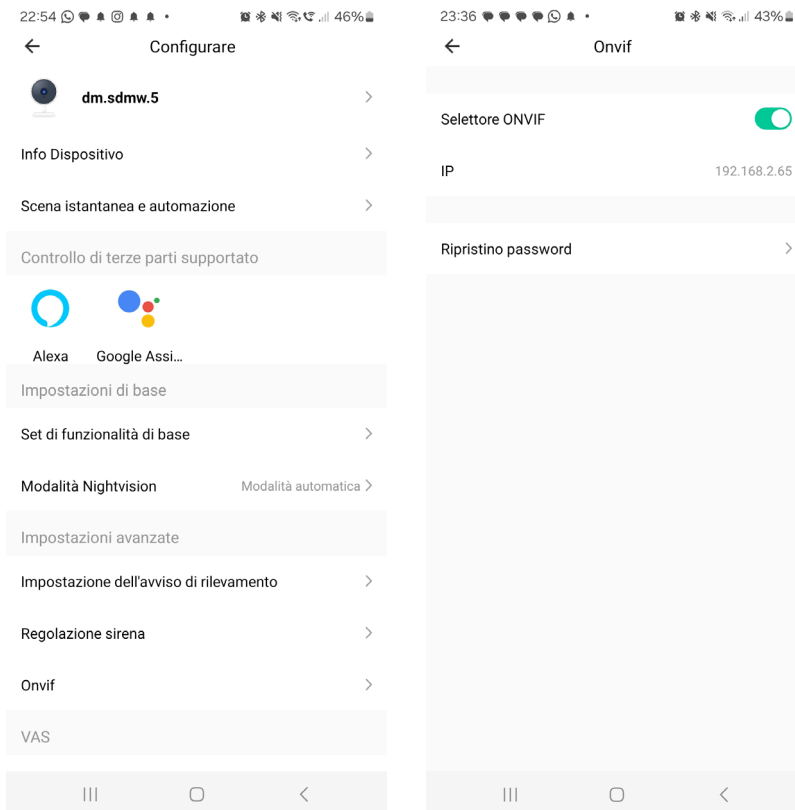
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Connect to Onvif NVR

Some home automation cameras support the ONVIF protocol and can be connected to our NVR for ONVIF cameras. The ONVIF protocol must be enabled in the camera configuration



In the Onvif page you can set the access password to use to access the camera (user: admin). The IP address of the camera in the network is also shown, from use to connect from NVR. The communication port used by these cameras is the port 835.