HDSmartIPC

DK--HDS Series WiFi Camera App

HDSmartIPC

Product Description

HDSmartIPC is the APP for controlling all our hidden WIFI cameras for investigation DK Series with HDS reference. These cameras have network ID that starts with the letters AI.

Verify if The your product supports HDSmartIPC

HDSmartIPC is suitable for all DK series investigative cameras purchased from September 2020 onwards, which have an ID starting with the letters AI.
To find out if your DK camera supports HDSmartIPC, look at the camera ID and verify that it starts with the letters AI. If the ID starts with the letters EZ instead of AI, you need to download another application of ours called IoVedo.EZ and for which you can download the specific manual.

Where do you find the device ID?

Each DSE DK SERIES camera equipped with WiFi is distinguished by an ID identification number that allows you to easily reach it via the Internet with our free P2P server. You can find the ID number on an adhesive label placed on the product, next to the relative QR code. If the label is illegible, because it is worn or removed, the ID is also the name of the wifi network generated by the camera.

Download the APK of the app HDSmartIPC For Android

DSE HDSmartIPC, being an investigative app, is not available in the usual app stores. You need to download the APK file from our site, in the software section, and install it on your android phone. There are various tutorials online that explain how to install the APK file on your phone.

Before starting the app

Before starting the APP, make sure that the camera is powered and with the power switch on, as indicated in the specific instructions of the product. Also, before starting the APP you must connect your phone to the wifi network of the camera.

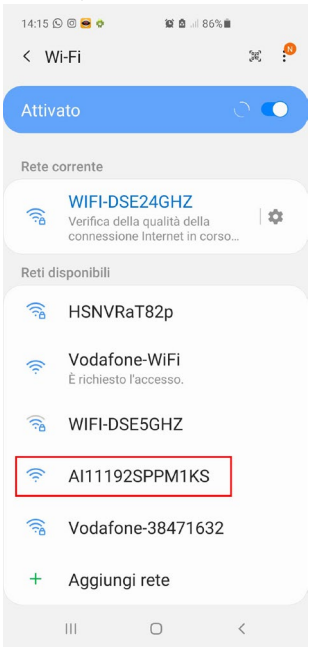
Please follow the following paragraphs carefully.

Use HDSmartIPC for install the camera

Connect via Wi-Fi to the camera in AP mode

Since the camera does not have a wired network port, you need to access it in WiFi mode.
To allow you to connect to Wi-Fi, even if you don't have a Wi-Fi network, the camera, when it is brand new, generates a Wi-Fi network itself, behaving like an Access Point (abbreviated AP, also called Hot-Spot) to which you can connect with your mobile phone just like you connect to any other Wi-Fi network.

Open your mobile phone's wifi settings.
If you have a wifi network, as in the example below, you will find your mobile phone connected to the usual wifi network that allows you to connect to the internet. However, you will notice the presence of a new WiFi network distinguished by a name such as AI-------- .



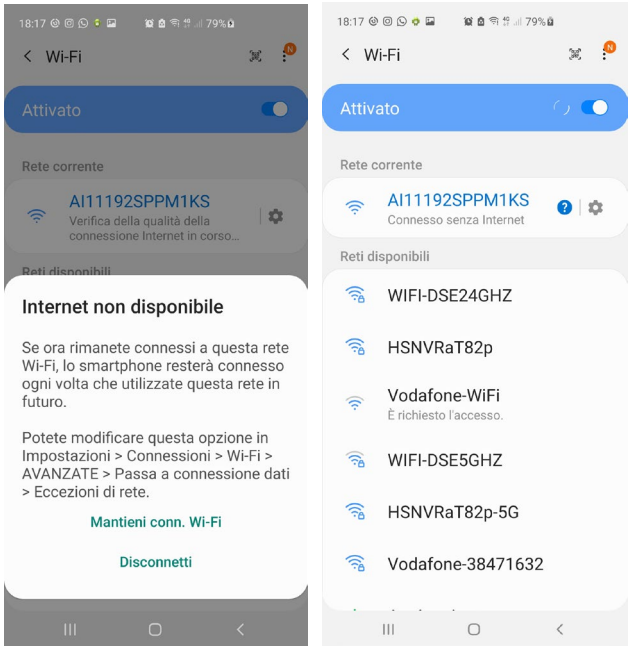
This is the Wifi network generated by the camera that you will have to connect to, temporarily leaving your usual Wifi network.

Obviously if you do not have a local wifi network, you will only find the camera network among the networks available to you.

Now select the AI... network of the camera and connect. The connection is not password protected by default.

Don't worry if your phone warns you that the new wifi network does not access the Internet. This is normal and you should maintain the connection as you see in the example below.

When your phone is connected to the camera, it can no longer surf the Internet, because it has left the main WiFi network, but it can still communicate with the camera. Obviously, at any time you can reconnect to the main WiFi network to leave the camera and restore the normal connection.



ATTENTION – When using the connection to the camera in AP mode, you must check that the smartphone's WiFi settings do not have functions enabled that tend to maintain stable Internet access. These functions must be disabled because the camera, in AP mode, does not allow access to the Internet and the smartphone would tend to abandon the connection.

If you have any doubts about this, wait a few minutes and check in the WiFi settings that the connection to the AI network remains stable.

If you can't find the AI network—of the camera

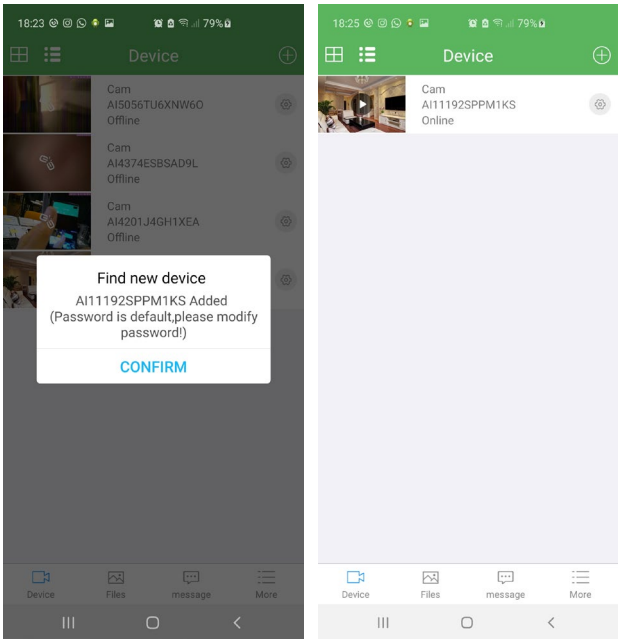
If you don't see the AI--- network in the wifi networks, check that the camera is turned on and stand near the camera with your phone. If the AI-- network still doesn't appear in the available wifi networks, it could be because the camera was previously connected to an external wifi network and therefore no longer generates its factory wifi network. Perform a reset by holding the reset button for 10 seconds to restore the factory AP mode.

Launch the app and add your camera

Now that you have connected to the camera's wifi network you can finally launch the HDSmartIPC app.
To launch the application, tap the icon found among the APPS on your mobile device.

HDSmartIPC

The app automatically detects the presence of the new camera and offers to add it to your app



If the app does not automatically find the camera ID, it means that it is not reachable. You do not need to try to enter it manually, as something is wrong. You must then go back to the wifi settings of your phone and verify that it is actually connected to the wifi network of the camera as illustrated in the previous chapter.

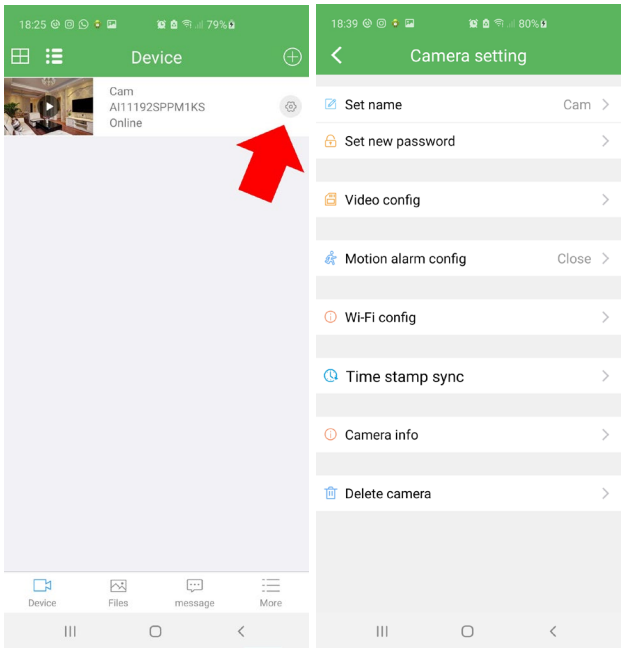
At this point you can start live viewing to check the camera's view.

This way of directly accessing the camera's wifi is not the most common application of these cameras. Much more easily you will now want to connect the camera to your home wifi network so that you can then access it remotely via the web.

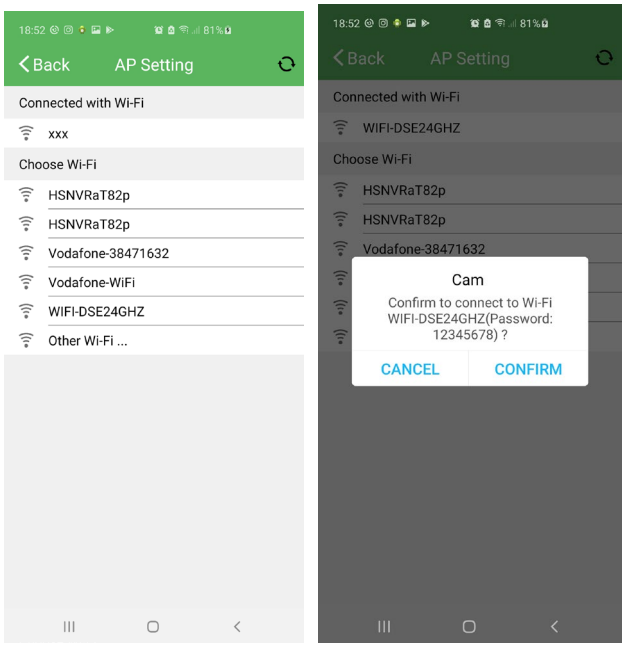
Connect the camera to the wifi network in P2P client mode

Once you have access to the camera in its factory access point (AP) mode, you can connect it to your wifi network in client (P2P) mode. Connecting the camera as a client of your wifi network allows you to access it via the Internet.

First connect to the camera in AP mode as seen in the previous chapter. Then enter the camera settings by tapping the small gear icon and choose DEVICE SETTINGS. Then choose the WIFI CONFIG item.



Click WIFI CONFIG and the camera scans the environment for wifi networks. To connect to your wifi network you must select your WiFi network and enter your login credentials.



The camera will reboot. You should close the app because it will no longer communicate with the camera. From this moment on, the camera will cease to be a wifi access point and instead become a wifi client, connecting to your network. If the camera's wifi signal goes down, your phone will presumably automatically reconnect to the main wifi network. Check your wifi settings.

Once the camera has turned into a wifi client and connected to your main wifi, you will no longer find its signal available among the wifi sources to connect to.

Please wait a few minutes for the camera to register on the network and connect to our cloud server, then restart HDSmartIPC.

You will find the camera icon present in the camera list and you can access it as shown above in the AP mode connection. The big difference is that now, connected to the wifi network, the camera is reachable from any point of the network and also from the Internet

If the camera fails to connect successfully to the wifi network in client mode, use the RESET button to start over and double-check the password you entered.

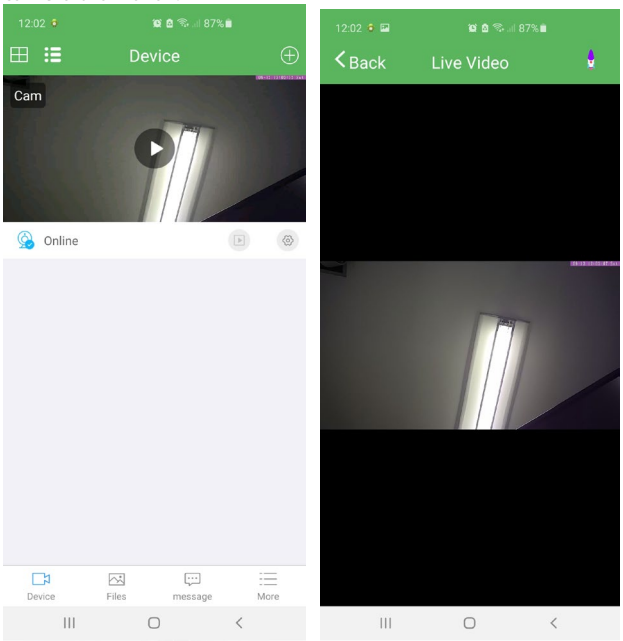
Use HDSmartIPC for check the camera

Live viewing

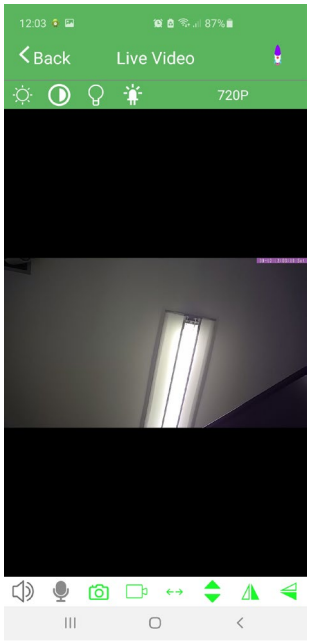
If you have performed the previous operations correctly, you will find your camera ONLINE in the device list

With the LIST button at the top left you can switch between a reduced view of the camera list, useful if you have many devices, and the normal view. You can also press the quad button if you have many cameras and want to see 4 cameras at the same time.

You can start live viewing by tapping the PLAY button on the camera thumbnail.



During live viewing, you can rotate the screen horizontally to maximize the viewing area.
Tapping the live screen opens the live view control panels.



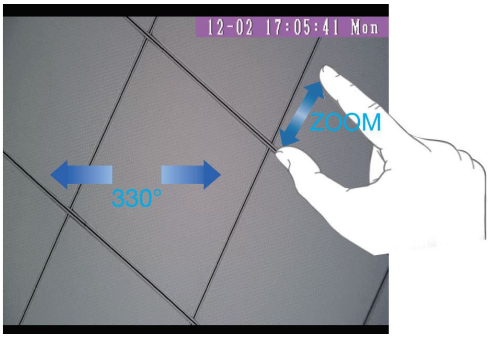
From left:
1 BRIGHTNESS – Real-time adjustment 2 CONTRAST – Real-time adjustment
3 NIGHT VISION - Turns on the IR illuminators for viewing in the dark (only if the camera has IR)
4 LED – Toggles the indicator LEDs on the device on and off. This can be helpful to eliminate any brightness in the camera, but be aware that if you turn off the LEDs on the device you will have no way of knowing if it is working other than through the app

5 RESOLUTION – You can select the resolution to use in the live connection with the mobile phone. This is not the recording resolution, but only the live resolution that you are viewing at that moment and which by default is 720P with vertical phone and 1080P with horizontal phone in full screen

From left:
1 AUDIO – Enable and disable ambient listening
2 MICROPHONE – Enables two-way dialogue if the camera is equipped with a speaker
3 PHOTO – Takes a live photo and saves it to your phone 4 VIDEO – Records live video and saves it to your phone 5 HORIZONTAL MOVEMENT – Only for motorized phones, starts the panoramic scan from right to left
6 VERTICAL MOVEMENT – Not used but available for motorized cameras
7 FLIP HORIZONTAL – Flips the image 8 FLIP VERTICAL – Flips the image

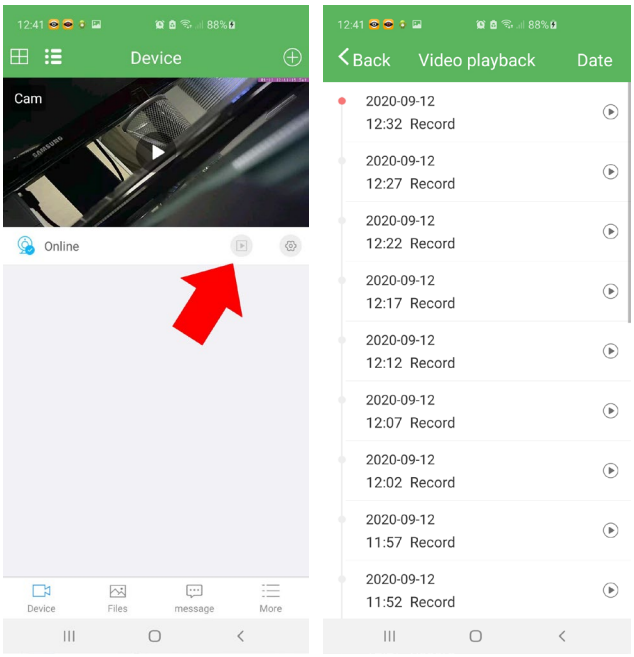
Motorized camera control

If you have purchased a motorized model you can control the movements by acting through the app. If you drag your finger on the screen to the left the camera will rotate in that direction and vice versa.
Keep a light touch on the screen and wait for the camera to respond to the command before giving the next command.



Playback

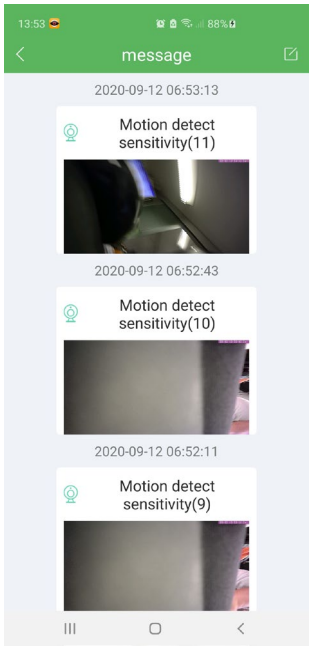
If you have inserted a memory card into the camera you can browse the files recorded inside it with the app. Playback via app is only possible in P2P connection, not by accessing the local wifi in AP mode. Also, to be able to record you must first format the SD card in the camera settings illustrated in the next chapter



With the DATE button at the top right you can choose the day you are interested in. Select the video file and tap the play button to start playing. If you hold down a file you can delete it or download it.

Push notifications

Our DK series wifi cameras can send real-time push notifications to mobile phones with HDSmartIPC application. The notifications will reach you in real time on your mobile phone and you can review them in the MESSAGE section.



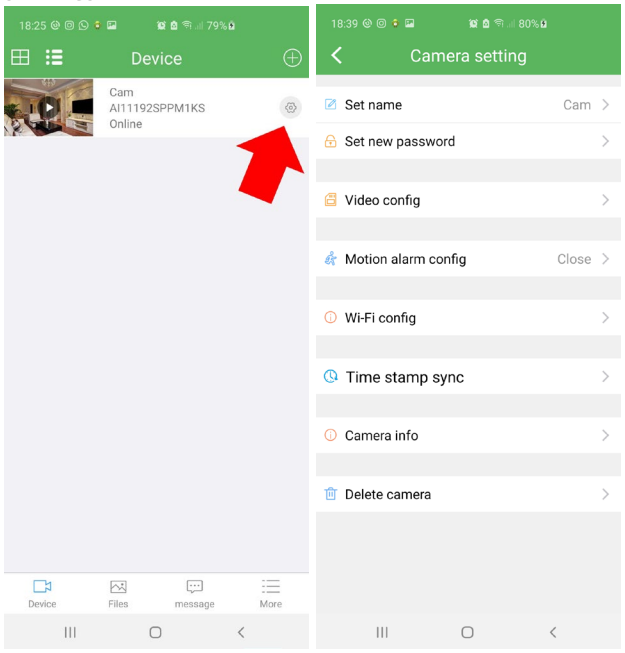
Files

The album section contains all the videos and photos you have taken with the app and saved on your phone.

Use HDSmartIPC for set up the camera

Camera Setup

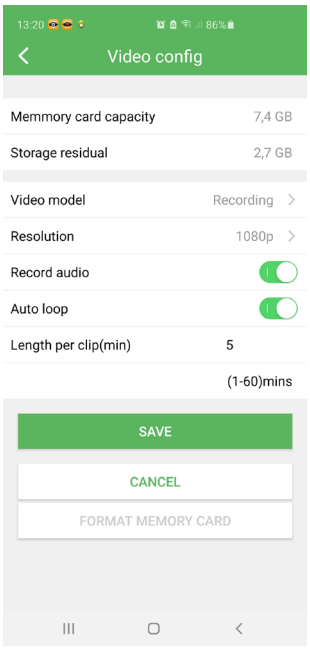
With the app you can configure the operating options of your camera by tapping the small gear icon and choosing DEVICE SETTINGS



SET NAME–Set a name for this camera **SET NEW PASSWORD**–Set a password protection for camera access.

The factory password to access the camera is **8888**.

VIDEO CONFIGURATION–Here you can set the recording options that the camera automatically performs when it is turned on. Do not confuse this automatic recording with the REC button of the live view, which, as we have seen, only allows you to save the images you are receiving from the camera to your phone.



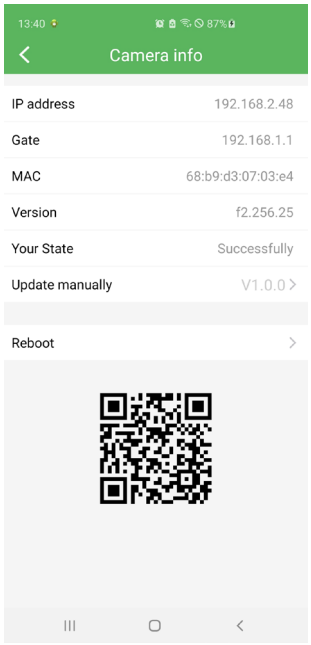
MEMORY CARD – Shows the total and remaining capacity of the SD card
VIDEO MODE – You can choose whether to record continuously (RECORDING), only when motion is detected (ALARM) or only in a specific time slot (SCHEDULE). If you use motion recording you must also enable this detection in the following steps. RESOLUTION – Set the video resolution in recording

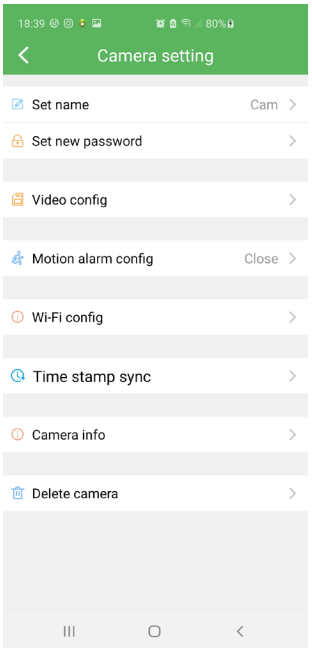
RECORD AUDIO – Enable audio recording AUTOLOOP – Enable automatic overwriting of the oldest files when memory space runs out LENGTH PER CLIP – Set the length of the recorded video files (from 1 to 60 minutes)

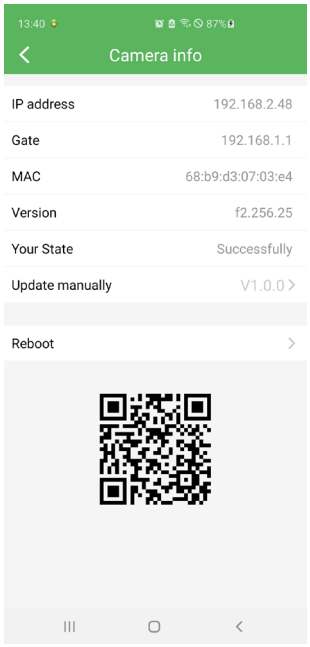
FORMAT MEMORY CARD – Formats the SD memory. Formatting the SD card is important for proper recording. After formatting the camera will reboot and will be unreachable for a while.

MOTION ALARM CONFIGURATION–Here you set the motion detection which allows recording only if motion is detected in front of the camera.
If you want to use this function, choose the detection sensitivity Low (LOW), Medium (MIDDLE) or High (HIGH) **WIFI CONFIGURATION**–Allows you to connect the camera to a wifi network as explained above **TIME STAMP SYNC**–Synchronize the camera time with your phone. This setting is usually only necessary if the camera does not have access to the Internet, in AP mode.

ROOM INFO–It reports the camera data with the network parameters, very useful if you want to add the camera to an NVR.







IP ADDRESS–This is the IP address that the camera has acquired in the wifi network. You can use this address to connect the camera to an NVR.
GATE -Gateway that the camera is using to access the Internet

MAC VERSION–Camera information parameters **YOUR STATE**– In this field the writing
SUCCESSFULLY certifies that the camera is well connected to the P2P cloud server via web
UPDATE MANUALLY–By touching this button the camera updates the firmware with the latest available by downloading it from the Internet. If you start this update wait a few minutes for the procedure to complete and the camera to reboot. When rebooting, check the new version in the VERSION line

Connect the camera to an Onvif NVR

Connecting to Network NVR

The cameras in this range are real Onvif IP cameras that you can connect to our NVRs for video recording. To connect the camera to an NVR you first need to know its IP address which you can find in the settings under CAMERA INFO

An Onvif NVR, like our NVRs, should automatically detect the camera address by searching for it on the network, otherwise you will have to enter it into the NVR manually.

Other essential data for the connection are the following:

USER NAME: admin
PASSWORD: 8888
DOOR: 81

Connect to NVR WIFI

The cameras in this range can also be added to our wifi NVR.

Follow the instructions of the wifi NVR or wifi kit for how to manually connect an external Onvif camera to the NVR wifi network and use the same connection parameters just seen for the connection to the Onvif NVR.