

## EN 720P WiFi IP camera

ref. 123281

**HD**  
720p



**WiFi**  
2.4 GHz



(Not Included)



La maison connectée



# TABLE OF CONTENTS

|  |           |
|--|-----------|
| <b><i>A - SAFETY INSTRUCTIONS</i></b>  | <b>05</b> |
| 1 - OPERATING PRECAUTIONS  | 05        |
| 2 - MAINTENANCE AND CLEANING   | 05        |
| 3 - RECYCLING  | 05        |
| <b><i>B - PRODUCT DESCRIPTION</i></b>  | <b>06</b> |
| 1 - CONTENTS OF THE KIT  | 06        |
| 2 - CAMERA   | 06        |
| 3 - MAINS ADAPTOR  | 07        |
| <b><i>C - INSTALLATION</i></b>   | <b>08</b> |
| 1 - INSTALLING THE CAMERA  | 08        |
| 2 - CONNECTING THE CAMERA  | 08        |
| 3 - INSERTING A MICRO SD CARD (NOT INCLUDED)                                   | 08        |
| <b><i>D - CONFIGURATION</i></b>  | <b>11</b> |
| 1 - CONFIGURING THE CAMERA AND ADDING IT TO THE APP                            | 11        |
| 2 - ACCESS TO ALL SETTINGS   | 13        |
| 2.1 - CONFIGURATION  | 13        |
| 2.2 - EXAMPLE: PROGRAMMING AN EMAIL ALERT TO BE SENT WHEN MOVEMENT IS DETECTED | 14        |
| <b><i>E - OPERATION</i></b>  | <b>17</b> |
| 1 - LIVE VIDEO   | 17        |
| 2 - VIEWING PHOTOS AND VIDEOS TAKEN BY THE CAMERA                              | 17        |
| <b><i>F - RESETTING</i></b>  | <b>18</b> |
| <b><i>G - TECHNICAL AND LEGAL INFORMATION</i></b>                              | <b>19</b> |
| 1 - TECHNICAL CHARACTERISTICS  | 19        |
| 2 - WARRANTY   | 19        |
| 3 - HELP AND ADVICE  | 19        |
| 4 - PRODUCT RETURNS/AFTER-SALES SERVICE  | 20        |
| 5 - DECLARATION OF CONFORMITY  | 20        |



## A - SAFETY INSTRUCTIONS

### 1 - OPERATING PRECAUTIONS

---

- The cameras must not be installed where the lens filter may be vulnerable to scratching and dirt.
- Do not expose the lens to direct sunlight or any reflected light source.
- Do not daisy-chain extension cords and/or multi-socket adapters.
- Do not install near acidic chemicals, ammonia or sources of toxic gases.
- The installation and use of the camera must comply with local laws.

### 2 - MAINTENANCE AND CLEANING

---

- Always unplug the product from the mains before carrying out any maintenance.
- Never use abrasive or corrosive substances to clean the products.
- Use a soft, slightly damp cloth.
- Never use an aerosol to spray the product as this may damage the internal workings.

### 3 - RECYCLING

---



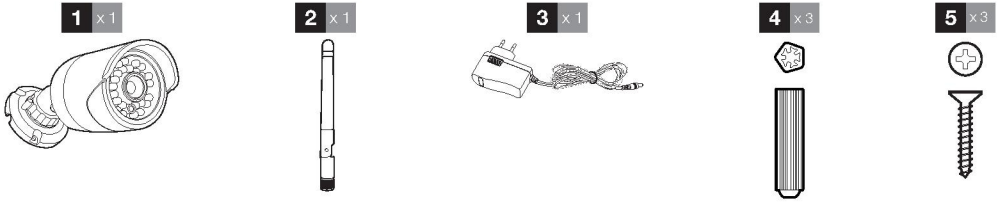
This logo indicates that devices which are no longer in use must not be disposed of as household waste. They are likely to contain hazardous substances which are dangerous to both health and the environment. Return the equipment to your local distributor or use the recycling collection service provided by your local council.





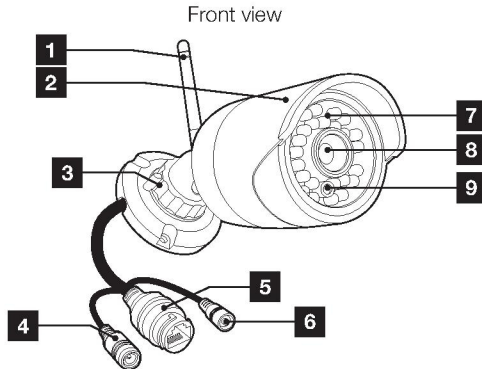
## B - PRODUCT DESCRIPTION

### 1 - CONTENTS OF THE KIT



|          |               |          |                                   |
|----------|---------------|----------|-----------------------------------|
| <b>1</b> | Camera        | <b>4</b> | Wall plugs for attaching the base |
| <b>2</b> | Antenna       | <b>5</b> | Screws for attaching the base     |
| <b>3</b> | Mains adapter |          |                                   |

### 2 - CAMERA



|          |   |          |   |
|----------|---|----------|---|
| <b>1</b> | Antenna   | <b>5</b> | Ethernet socket for connecting to the wired network |
| <b>2</b> | Protective hood   | <b>6</b> | Reset button  |
| <b>3</b> | Adjustable base   | <b>7</b> | Light for night vision                              |
| <b>4</b> | 12VDC 1A mains adaptor power supply included in the kit | <b>8</b> | Lens  |
|          |   | <b>9</b> | Dusk-to-dawn sensor                                 |

## ***B - PRODUCT DESCRIPTION***

### **3 - MAINS ADAPTER**

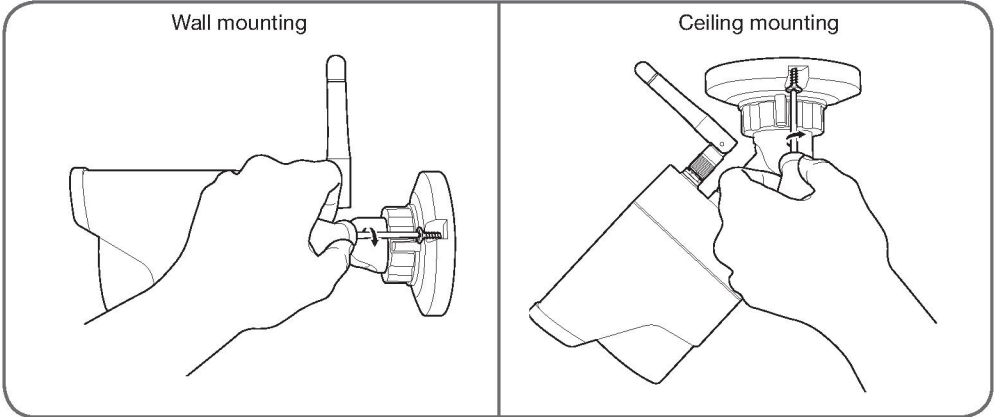
---

A 230Vac 50Hz / 12Vdc 1A mains adapter is supplied in the kit for the camera power supply. Do not use other power supplies as they could damage the camera and invalidate the warranty.

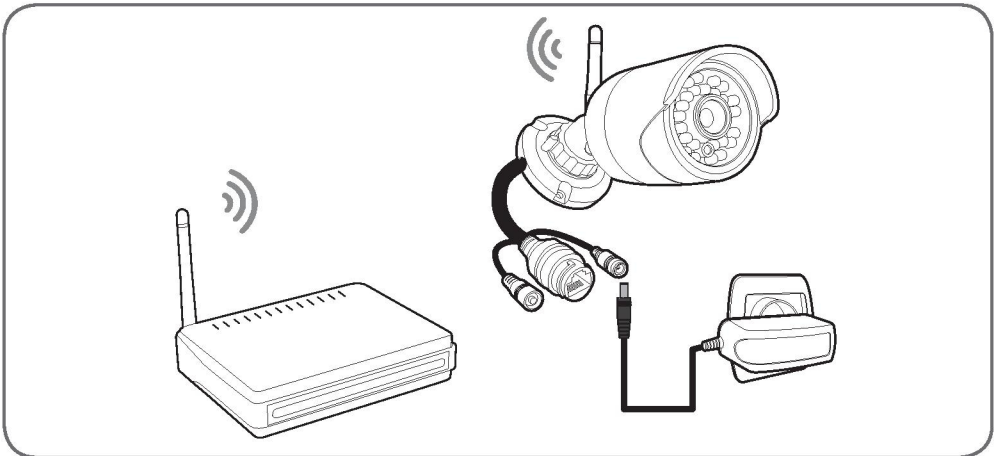
## C - INSTALLATION

### 1 - INSTALLING THE CAMERA

- Mount the camera using suitable screws and wall plugs for the type of surface (the screws and plugs supplied are suitable for solid walls).
- Make sure the camera is properly secured to prevent it from falling.



### 2 - CONNECTING THE CAMERA



### 3 - INSERTING A MICRO SD CARD (NOT INCLUDED)

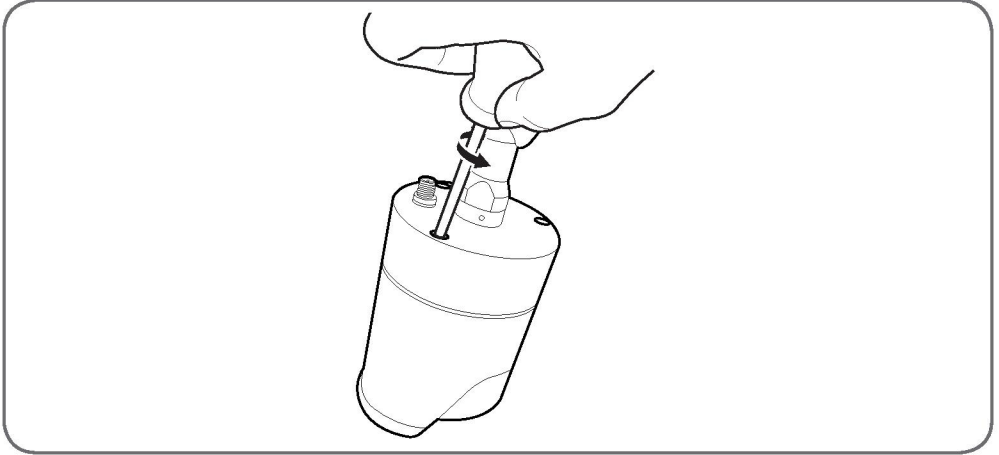
Your camera has a micro SD card slot, which gives it an internal storage memory. The maximum size is 128 GB.

This use is optional, but it is necessary if you want the camera to record independently.

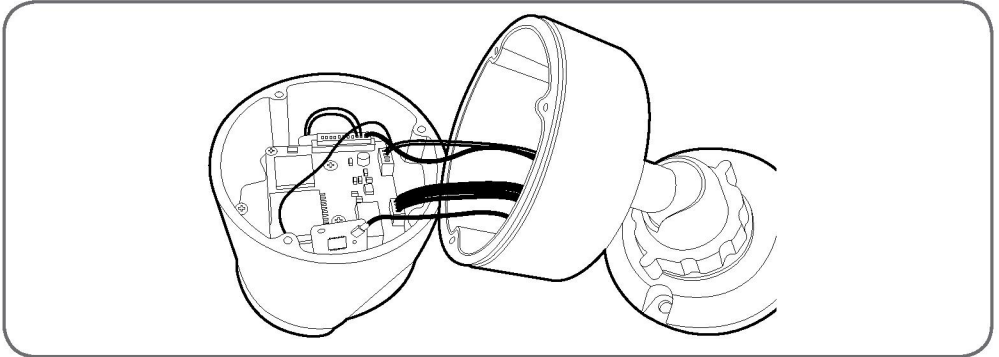
Take care not to damage it during removal, as the warranty is voided in the event of damage or a sealing fault.

**Tool needed:** Thin, magnetic cross-headed screwdriver with PH1 bit holder (Philips).  
Carry out the following operations on a flat and well-lit surface.

- Remove the 3 screws from the back of the camera using the screwdriver. Be careful not to lose the 3 O-rings that come with these screws

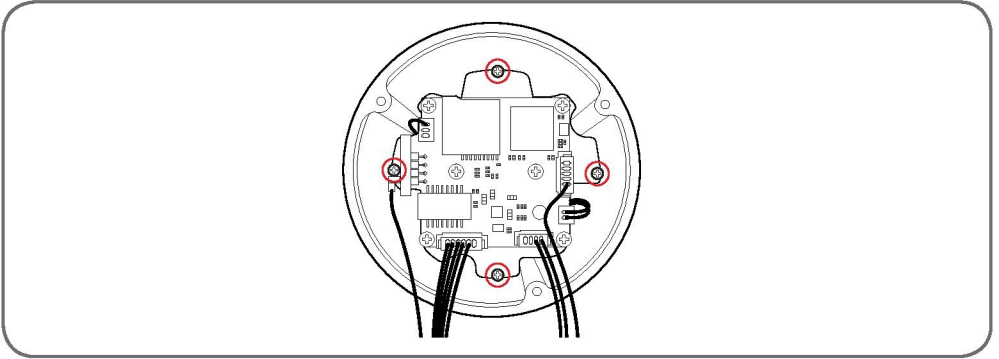


- Separate the two components, but be careful not to disconnect/rip the cables.

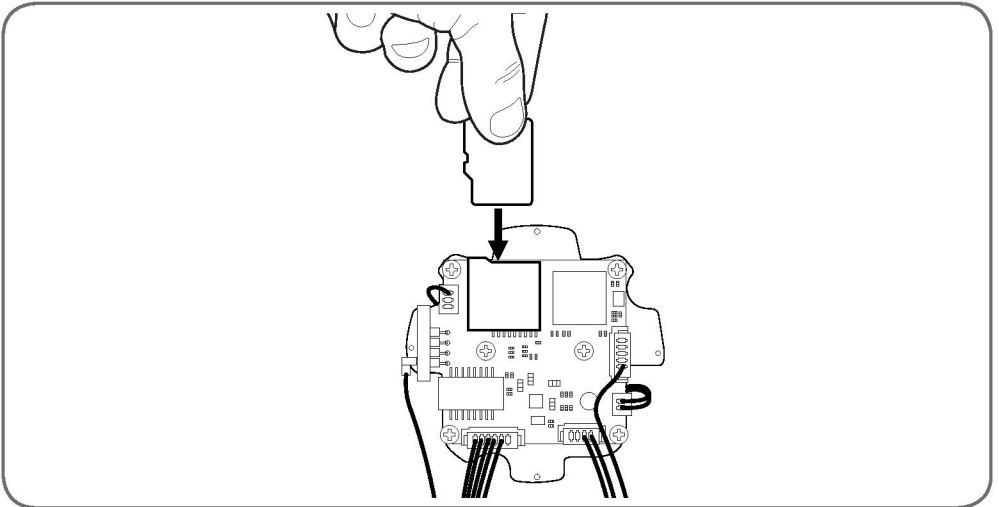


- Remove the 4 black screws (red marking) holding the camera lens in the housing. Always use the screwdriver for this step

## C - INSTALLATION



- Once the electronic unit + lens are removed from the housing, insert the SD card.



- Follow the steps in reverse to refit it, taking care to correctly position the blue seal, and to correctly tighten the 3 outer screws to ensure that the camera is fully sealed.

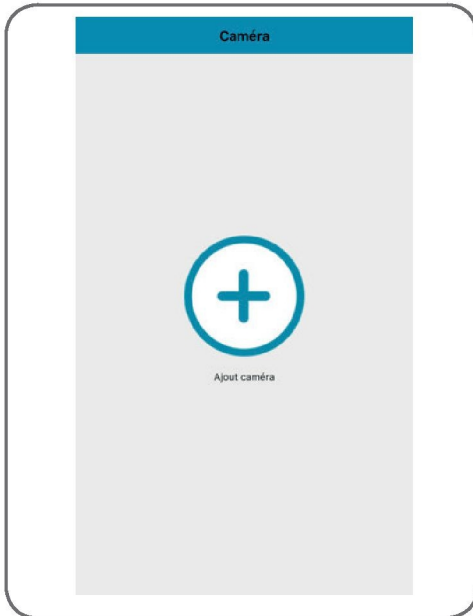
## D - CONFIGURATION

### 1 - CONFIGURING THE CAMERA AND ADDING IT TO THE APP

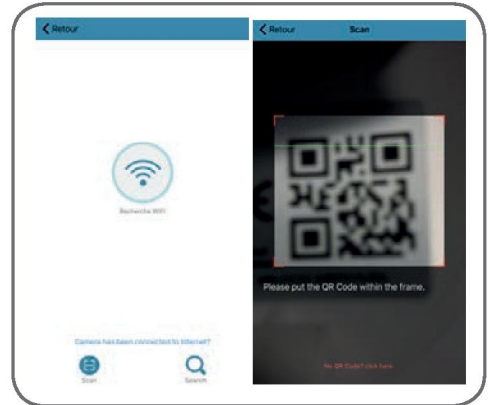


Download and install the **Aviwatch** app from the appstore or Google Play on your smartphone or tablet, then launch the app.

Click on "+" to add the camera



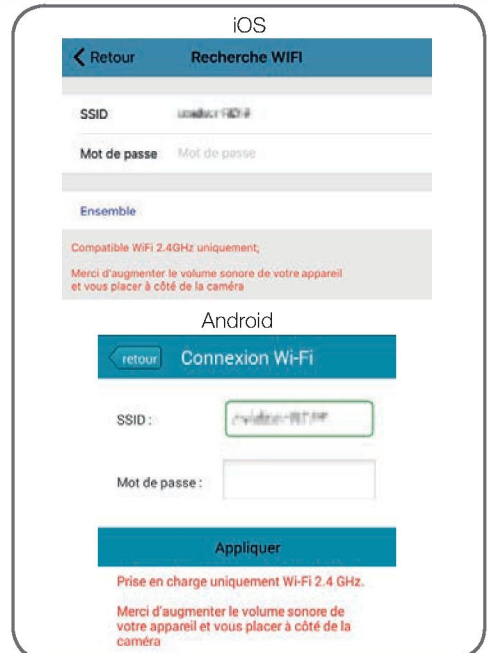
Then click "**recherche wifi**" (Scan WiFi) to add your camera and scan the QR CODE, if accessible, otherwise click "**No QR CODE? Click here**"



**Important:** first connect your smartphone or tablet to the WiFi network that your camera should be using.

5 Ghz WiFi not compatible. The special characters (#!»&@ etc.) in your security key as well as the HT40 (40 Mhz bandwidth) may lead to configuration difficulties.

Please check the WiFi parameters of your box with your internet service provider if you experience connection difficulties.



## D - CONFIGURATION

After entering the password for the WiFi network that the camera should be using, click on "**Appliquer**" (Apply); your tablet or smartphone will ask if the camera is accessible and if it is ready to be configured



If your camera is nearby and not configured, click on "**Oui**" (Yes) or "**OK**" to begin configuration using the app.

**Note:** the camera will take 30 seconds to load up after being switched on.



Once the WiFi connection information has been sent to the camera by the app, the camera will connect to the network using WiFi.

Your smartphone or tablet will ask you to change the password:



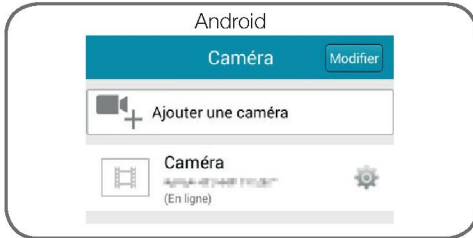
Click on "**Oui**" (Yes) or "**Modifier**" (Change) and enter a new password



Finally, click on "**Terminé**" (Done) on the upper right-hand side of the screen or on "**Appliquer**" (Apply) to add the camera to the list of cameras recognized by the app.





## D - CONFIGURATION

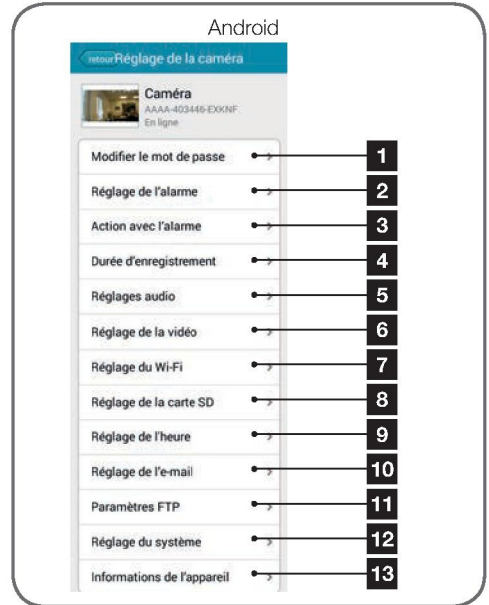
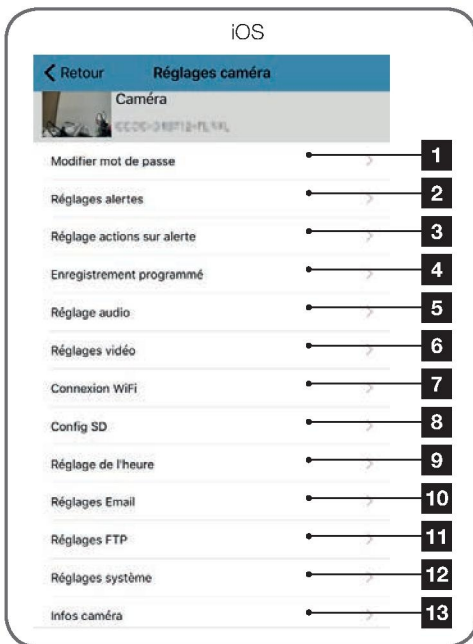


Your camera will appear in the list and you can access its video and settings.

### 2 - ACCESS TO ALL SETTINGS

#### 2.1 - Configuration

From the list of cameras, click on the  (Android) or  (iOS) icon to the right of the name of your camera to display the configuration menus:



- |   |   |
|---|---|
| 1 | Changing the password to log in to the camera ("admin", by default)   |
| 2 | Activation/deactivation and sensitivity of the movement detector  |
| 3 | Actions to take if movement is detected: notification, send an email, saving a file to the memory card (requires a micro SD card [not included] to be inserted into the camera) |
| 4 | Activation/deactivation of continuous recording to the micro SD card and the length of videos (requires a micro SD card [not included] to be inserted into the camera)          |
| 5 | Not used on this model  |



## D - CONFIGURATION

|    |  |
|----|--|
| 6  | <p>Video quality settings and number of frames per second.<br/> <b>Warning:</b> if you set the video quality too high with respect to the quality of the internet connection of your camera and smartphone or tablet, you may experience choppy video or loss of connection.</p> <p>Two streams can be adjusted: they correspond to the maximum resolution = "résolution Max", and low resolution = "résolution faible", which you can select from the live video display.<br/>         Warning: in some cases, a change in camera resolution will only happen when the app is restarted. Exit and re-launch the Aviwatch app if there is a problem.</p> |
| 7  | Configure the camera's current WiFi settings   |
| 8  | If a micro SD card has been inserted into the camera, you can reformat it and display its total and free memory  |
| 9  | Setting the date and time stamps on the camera's video   |
| 10 | Settings for sending emails in the event of an alert (see the example below)   |
| 11 | Settings for saving to an FTP server   |
| 12 | Restarting the camera remotely/Update/Reset  |
| 13 | Camera network information   |

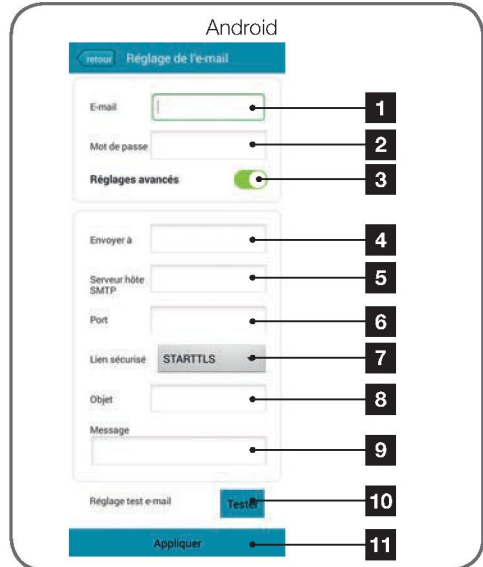
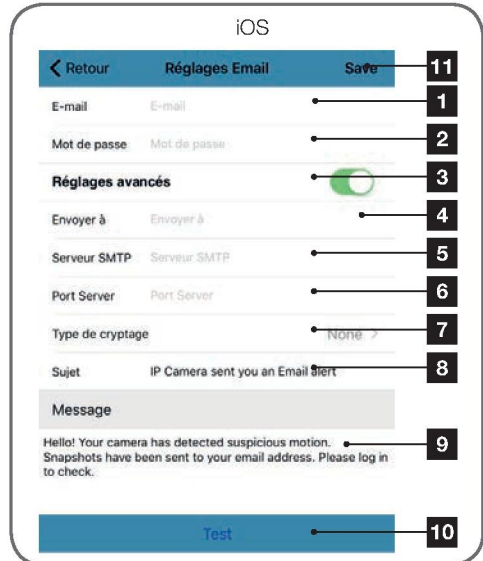
### 2.2 - Example: programming an email alert to be sent when movement is detected

To program an alert to be sent when movement is detected, you need 2 email addresses: the address of the sender which will be used by the camera, and the address which will receive the alerts. The camera uses the username and password of the sender address to connect and send the email. Configuration depends on the chosen email provider's settings.

**Note:** the 2 email addresses can be the same (you will simply be sending an email to yourself).

In our example, we use **www.gmail.com: sender-address@gmail.com** sends the alerts, **recipient@gmail.com** receives the alerts. Both addresses need to have been created beforehand.

First, go to "Réglages Email" (Email settings):



1 Email: Name that you should enter to log in to the email box which will send the alerts. In our example using Gmail, this is the sender address:  
**sender-address@gmail.com**

## D - CONFIGURATION

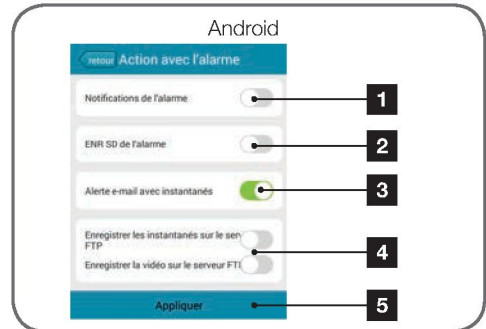
|    |  |
|----|--|
| 2  | Password: The password used to log in to <b>sender-address@gmail.com</b> , in our example  |
| 3  | Advanced settings  |
| 4  | Send to: Enter the email address here that will receive the alerts. In our example: <b>addressee@gmail.com</b>                   |
| 5  | SMTP server: varies with the email provider of the address sending the alert. In our example, using Gmail, <b>smtp.gmail.com</b> |
| 6  | Server port: depends on the email provider of the address sending the alert. In our example using Gmail, <b>587</b>              |
| 7  | Encryption type: security when logging in, associated with the email provider. In our example using gmail, <b>STARTTLS</b>       |
| 8  | Subject: subject of the email alert  |
| 9  | Message: body of the email   |
| 10 | Test: allows you to simulate an alert, send an email and to check that your camera is correctly configured.                      |
| 11 | Save/Apply: to save the configuration  |

**Note:** it does not matter who the email provider of the recipient is, as it is the email provider of the sender that dictates what needs to be entered. However, you must ensure that the alerts are not treated as spam by the recipient's inbox.

**Warning:** some email providers will not accept that the camera has sent notifications without authorisation from you. Refer to your mailbox safety settings for more details.

**Information:** Our technical support will not be able to help you with these settings if you contact them, as it depends solely on your mailbox. For more information, please contact your email account provider.

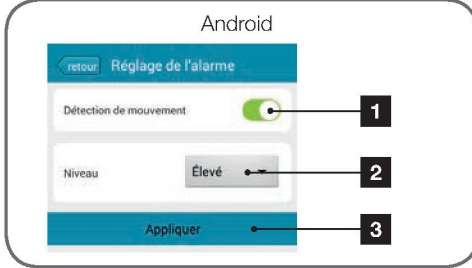
When you have finished configuring your camera, it will be able to send emails. You must now tell it when to send them, in the "**Action avec alarme**" (Action with alarm) or "**Réglage actions sur alerte**" (Action on alarm settings) in the camera settings:



- |   |  |
|---|--|
| 1 | App notification in the event of an alert: all devices on which the camera was added to the Aviwatch app will be notified if there is movement (the app must be running in the background on the tablet or smartphone) |
| 2 | Saving to SD: if a micro SD card was inserted into the camera, any alert triggers a video, which is saved to the card. The video can be viewed remotely (see below)  |
| 3 | Email with attached photo: if email was set up (see the previous paragraph), an email will be sent when movement is detected   |
| 4 | FTP options, not discussed here  |
| 5 | Click on "Appliquer" (Apply) to save your settings, or "Retour" (Return) on iOS.   |

Once this configuration has finished, simply activate movement detection in the "**Réglages alertes** (Set Alerts)" menu:

## D - CONFIGURATION



- |          |   |
|----------|---|
| <b>1</b> | Click here to activate movement detection   |
| <b>2</b> | Use this to adjust the sensitivity of the movement detector. When set to high sensitivity the smallest movement will send an alert, in low sensitivity, only large movements on the screen will send an alert |
| <b>3</b> | Click on " <b>Appliquer</b> " (Apply) to save your settings, or " <b>Retour</b> " (Return) on iOS   |

This completes the configuration. From this point on, any movement in front of the camera will result in an email alert, an **Aviwatch** app notification and/or a file to be saved to the memory card, depending on your settings.

**1 - LIVE VIDEO**

From the list of cameras, click on the image to the left of the name of your camera to display the live video:

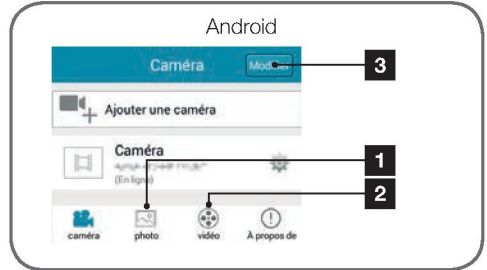


|   |  |
|---|--|
| 1 | Flipping/inverting the image   |
| 2 | Return to the list of cameras  |
| 3 | Not used on this model   |
| 4 | Take a snapshot and save to the smartphone/tablet  |
| 5 | Record a video and save to the smartphone/tablet   |
| 6 | Video quality selection (useful if the network or mobile connection is poor): 2 different settings are available |
| 7 | Not used on this model   |

**2 - VIEWING PHOTOS AND VIDEOS TAKEN BY THE CAMERA**

From the list of cameras, you have access to the photos taken by the camera and saved to the smartphone or tablet, videos saved to the smartphone or tablet and videos saved to the camera's microSD card (not included).

After receiving an alert, if you have activated memory card recording, you can view the video showing what was detected.



|   |   |
|---|---|
| 1 | Viewing photos taken by the camera and saved to the smartphone or tablet ("📷" icon on the camera's live view).  |
| 2 | Viewing the videos taken by the camera and saved to the smartphone or tablet ("📺" on the camera's live view, "local" button in the Vidéo [Video] menu) or to the micro SD card inserted into the camera (following an alert or continuous recording, "en ligne" [online] button in the Vidéo [Video] menu). |
| 3 | "Editer" (Edit)/"Modifier" (Change) allows you to edit the name of your camera, as well as the password (in the event of an error) or to remove the camera from an Android device.<br>To remove the camera from an iOS device, please scan to the left of the camera name                                   |

## ***F - RESETTING***

If there is a problem or the login details have been lost, the camera can be reset to its default settings by pressing the Reset button for 15 seconds. Once reset, the camera will start up again. After 30 seconds, it is available for reconfiguration.

## G - TECHNICAL AND LEGAL INFORMATION

### 1 - TECHNICAL CHARACTERISTICS

| Camera                                    |   |
|---|---|
| <i>Power supply</i>                       | 12V DC/1A   |
| <i>Wireless network interface</i>         | WiFi IEEE 802.11b/g/n 2.4 Ghz   |
| <i>Optical sensor</i>                     | ¼" CMOS   |
| <i>Minimum luminous intensity</i>         | 0 lux   |
| <i>Night vision</i>                       | Automatic (dusk-to-dawn sensor)<br>Range: 20m                                   |
| <i>Lens</i>                               | f: 3.6 mm (~78°)  |
| <i>Buttons</i>                            | Reset button: restores factory settings   |
| <i>Video compression</i>                  | H.264   |
| <i>Resolution</i>                         | Primary stream: up to 1280x720 pixels<br>Secondary stream: up to 640x352 pixels |
| <i>Storage</i>                            | 1 microSD card slot up to 128 GB memory for storing video via remote access     |
| <i>Operating temperature and humidity</i> | 0°C to 40°C, 20% to 85% RH non-condensing<br>For indoor use only                |
| <i>Storage temperature and humidity</i>   | -10°C to 60°C, 0% to 90% RH, non-condensing                                     |

### 2 - WARRANTY

- This product is under warranty for parts and labour for 2 years from the date of purchase. Proof of purchase must be retained for the duration of the warranty period.
- The warranty does not cover damage caused by negligence, knocks or accidents.
- to be opened or replaced by non-Avidsen employees.
- The warranty will be void if the device is tampered with.

### 3 - HELP AND ADVICE

- If, despite the care we have taken in designing our products and drafting these instructions, you do encounter difficulties when installing your product or you have any questions, we recommend you contact one of our specialists who will be glad to help.
- If you encounter operating problems during the installation or a few days afterwards, it is essential that you are in front of your installation when contacting us, so that one of our technicians can diagnose the source of the problem, as it will probably be the result of a setting that is incorrect or an installation that is not to specification. If the problem is caused by the product itself, the technician will give you an RMA number so that you can return the unit to the shop. Without this RMA number, the shop may refuse to exchange the product.

## G - TECHNICAL AND LEGAL INFORMATION

Contact our after sales team technicians on:

**0 892 701 369** Service 0,35 € / min  
+ prix appel

**Monday to Friday, 9AM to 12PM and 2PM to 6PM.**

### **4 - PRODUCT RETURNS / AFTER SALES SERVICE**

---

If, despite the care we have taken in designing and manufacturing your product, it needs to be returned to our customer service centre, you can check the progress of the work on our website at the following address:

<http://sav.avidsen.com>

Avidsen undertakes to keep a stock of spare parts for this product throughout the contractual warranty period.

### **5 - DECLARATION OF CONFORMITY**

---

With the R&TTE directive  
Avidsen hereby declares that the equipment designated below:

720P WiFi IP camera 123381

Complies with the RED directive and its conformity has been assessed pursuant to the applicable standards in force:

EN 60065:2014

EN 62479:2010

EN301 489-1 V2.1.0:2016-04

EN 301 489-17 V3.1.0:2016-04

EN 300 328 V2.0.20:2016-03

Chambray les Tours, date: 06/02/2017

Alexandre Chaverot, CEO

