

1 SentryWatch™ Home Security System User Manual

1.1 Camera Installation and Application Pairing

1.1.1 General Notes

1. Ensure that your Wi-Fi network is a 2G network. If your router is a 5G router, then please consult your router manual to switch on a separate 2G network. All 5G routers should be able to generate a separate 2G network. This network can be given a separate name to make it easier to identify and should not interfere with your existing 5G network. 2G is used as it can bridge larger distances compared to 5G which allows a faster data transfer at the cost of shorter range.
2. Note that the distance the camera can be placed away from your router depends on your network strength. If your phone does not have sufficient bandwidth to watch a video, then likely the camera won't be able to stream video to your phone/cloud storage either.

1.1.2 Camera Set-up

1. Download the YI IoT application from the [App Store](#) or [Google Play Store](#). For PCs an application is available for download [HERE](#), but the functionality of this application is limited compared to the telephone applications. We strongly recommend using the phone applications.
2. Install the application on your phone and sign up for a new account.
3. Screw the camera into a socket with power switched on.
4. Wait for the camera to perform the range of motion test (rotation & tilting). After that the camera will start beeping.
5. Add the camera in the application by pressing the + sign at the top right corner.
6. Click on "scan code binding"
7. Click on "I heard the beep" and scan the QR code located on the side of the camera.
8. Enter the name of the Wi-Fi network in the 1st line and the password in the 2nd line. Ensure to use the exact wording, in doubt you can check your phone settings for the exact network name.
9. Click next and hold the phone with the QR code displayed in front of the camera, so that the camera can read the QR code. You might have to adjust the distance between phone and camera so that the camera can focus and read the code. Please make sure that the brightness of your phone screen is high enough to enhance the QR code visibility. The phone will make some squeaky noises while the camera is reading the QR code.
10. Camera will confirm that it is connecting to the Wi-Fi network. When you hear this confirmation tick the "I heard Waiting to connect" box and click next.
11. Camera will pair with your phone, which might take up to 2 minutes. When successful an audio message will confirm the pairing.
12. Now you can assign a particular location to this camera e.g., office and finish the initial set-up.
13. On the next screen you can set-up the cloud storage solution or directly start using the camera by clicking on "Start Using Your Camera".
14. When clicking on the camera you should be able to move the camera with the control pad virtual joystick in the bottom section of the screen.

Note that the camera can rotate 355° horizontally. In order to be able to record the full area that you'd like it to record (typically 180° when located close to a wall), please ensure that the camera can cover the whole range of motion. I.e., ensure that the start- / end- point of the rotation is not pointed towards the area that you'd like to record. This can be adjusted by screwing / unscrewing the camera slightly, while making sure that it still is powered.

1.2 How to Operate the Camera:

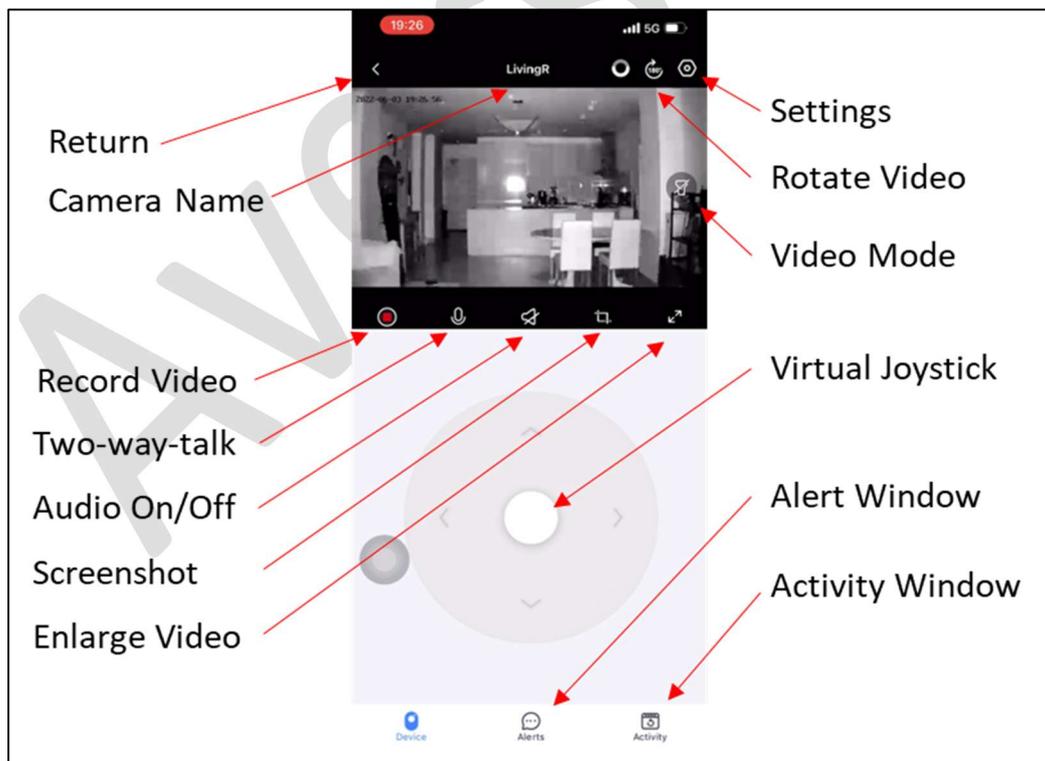
In the main window, click on the camera to be viewed. In the camera window, the camera can be positioned with the control pad virtual joystick located in the bottom part of the window.

If the camera was installed pointing upwards, the video direction can be rotated by clicking on the middle icon located in the top right corner of the screen.

Camera settings can be adjusted by clicking on the 3rd icon in the top right corner of the screen. Further details on respective settings are provided in the subsequent sections.

Video mode can be selected by pressing the respective button. Available options are:

- Auto: Light switches on at night when a motion is detected.
- Open: Light is switched on. At night colors are visible. Note that its is not recommended to have the light permanently switched on.
- Close: Light is switched off, at night infrared is used

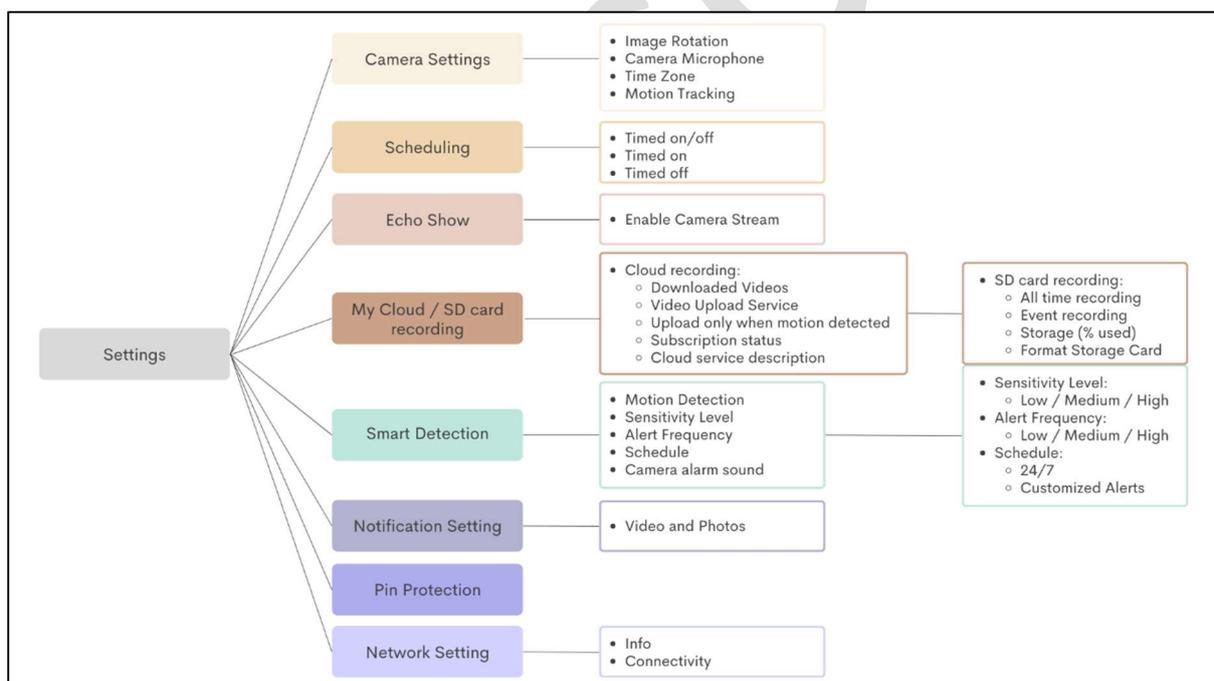


In the middle of the screen 5 icons are located:

1. Video recording icon: Switch on/off video recording (if video is stored on micro-SD or locally on your phone). When recording to the cloud storage with a continuous recording plan, video is automatically recorded.
2. Two-way-talk icon: To talk please first press and hold the button. Please wait a moment so that the connection can be established and then you can talk through the camera. After you have delivered your message, please stop pressing the icon. This automatically switches on the microphone, and you can hear any response / noise located at the camera location. To switch audio off please use the next icon.
3. Audio icon: Allows you to switch on/off the camera microphone.
4. Screenshot icon: Take screenshot of the recorded video. These are stored in your phone photo storage.
5. Expand screen icon: Used to enlarge the video section of the screen. Note this automatically rotates the video screen horizontally. To return, please tap the screen and use the return arrow located in the top left corner.

1.3 Camera Settings Menu

In the screenshot below you can see the outline of the camera menu that will help you in finding the respective settings that are described in the sections below.



1.4 General Information on Recording

SentryWatch™ can be used in three modes:

- Watch video on demand
- Record video to a local micro-SD card
- Record video to the YI cloud storage (subscription required)

In video on demand mode the camera streams the video directly to your phone when connected. This video can be recorded locally in your phone photo application. If your phone and the camera are located in the same network and your phone is logged into the application, alerts notifications are sent to your phone. Otherwise, no event notifications are sent.

For local recording to a micro-SD card, a card needs to be inserted into the camera. Please insert the card into the micro-SD card slot and push-in until you hear a click, and the card is locked in place. If the camera is switched on you will hear an audio message saying, "The memory card has been inserted". SentryWatch™ supports micro-SD cards up to 128GB and you can choose a size that fits your recording needs. Once the storage card is full the oldest video recording will be overwritten with a new recording. For reference, a 32GB card can hold about 2 days of continuous recording.

When using the cloud recording option your video footage is stored on the YI cloud server. Depending on your subscription type a continuous video or a short video clip related to a detected motion is stored. This video is stored for a set timeframe that depends on your selected subscription. Further details can be found in the subsequent sections.

1.5 How to Subscribe to Cloud Storage:

Note that the cloud service is not provided by Aversons, but through the YI Cloud Service. You can find the respective cloud service FAQ [here](#).

To subscribe, open the YI IoT app and click on Profile in the bottom right corner of the screen. Go to "Cloud Settings" and subscribe to the appropriate plan.

Note, the subscriptions are based on:

- Number of cameras
- If video is recorded continuously ("Continuous 24/7 video recording") or only when a motion is detected ("Records entire motion")
- Recording timeframe 7/15/30 days history. After the selected timeframe lapses the stored video is overwritten starting with the oldest video footage.
- Subscription timeframe monthly / yearly. Yearly subscriptions are cheaper, but of course you are locked in with the subscription. Initially, the application comes with a 7-day free trial, so that you can test and decide whether you'd like to continue using the cloud service or if you rather record locally on a micro-SD card.
- Cameras that should store the video feed in the cloud storage can be selected as part of the set-up or changed in the following steps:
 - Click on "Profile" in bottom right corner, then "Cloud Settings". Under Service, "Camera in use" or "Cameras" the user can select which camera(s) videos are stored in the cloud.

After the initial set-up, the camera might need some time to link and store the video feed in the cloud. During this time, you might not be able to immediately review alerts or stored video footage. Please be patient for a while. Once this connection is established these videos and alerts can be reviewed seamlessly.

1.6 Recording Set-up

1.6.1 Without micro-SD card or Cloud storage

Without micro-SD card or cloud subscription the camera footage can be viewed when necessary. Note that in this mode, the camera will be able to track motions, but will not notify you of any motion alarms if your phone is not connected with the application in the same network.

To record the video feed please select the respective camera and press the video recording icon. To stop recording, press the icon again. Videos will be stored locally on your phone.

When not used the camera can be put into standby mode. This can be done by going into the “Settings” menu for the particular camera on the main screen and switching off the “Turn camera on/off” setting. If camera should be activated at a later point in time, please follow the same steps and switch the setting back to on.

1.6.2 With Micro-SD Card

Camera can record continuously or only when a motion is detected. This setting can be changed by pressing the settings icon on the respective camera window on the application main screen. Then go to “SD card recording” and select either “All time recording” or “Event recording”.

To get notified when a motion is detected, the following settings should be adjusted. Please go to the settings menu of the camera.

- Go to “Smart Detection”, switch on “Motion Detection”, go to “Sensitivity Level” and select Low/Medium/High. Return to “Smart Detection”.
- Go to “Alert Frequency” and select Low/Medium/High.
 - We recommend starting with a high frequency and to reduce as appropriate for your situation. Note that the camera has a “cool-off” period of about 1.5 mins where it would not raise another alarm despite a motion being detected. This is to reduce the number of notifications. With cloud subscription you can review the video footage around the first triggered alarm to check what is happening that triggered the alarm.
- If required, specify an alert schedule in the “Schedule” menu.
- If the camera should make an alarm sound when a motion is detected, switch on “Camera alarm sound”.

1.6.3 With Cloud Subscription

Camera can record continuously or only when a motion is detected. This setting can be changed by pressing the settings icon on the respective camera window on the application main screen. Then go to “My Cloud” and switch on “Upload only when motion detected”. By default, the video recording will be continuous.

To get notified when a motion is detected, the following settings should be adjusted. Please go to the settings menu of the camera.

- Go to “Smart Detection”, switch on “Motion Detection”, go to “Sensitivity Level” and select Low/Medium/High. Return to “Smart Detection”.
- Go to “Alert Frequency” and select Low/Medium/High.
 - We recommend starting with a high frequency and to reduce as appropriate for your situation. Note that the camera has a “cool-off” period of about 1.5 mins where it would not raise another alarm despite a motion being detected. This is to reduce the

number of notifications. With cloud subscription you can review the video footage around the first triggered alarm to check what is happening that triggered the alarm.

- If required, specify an alert schedule in the “Schedule” menu.
- If the camera should make an alarm sound when a motion is detected, switch on “Camera alarm sound”.

1.6.3.1 Motion Tracking

If required, the camera can track a moving object along the horizontal axis, tilting up and down is not automatically done. Hence, the appropriate frame to be captured needs to be defined by adjusting the camera to the monitoring location.

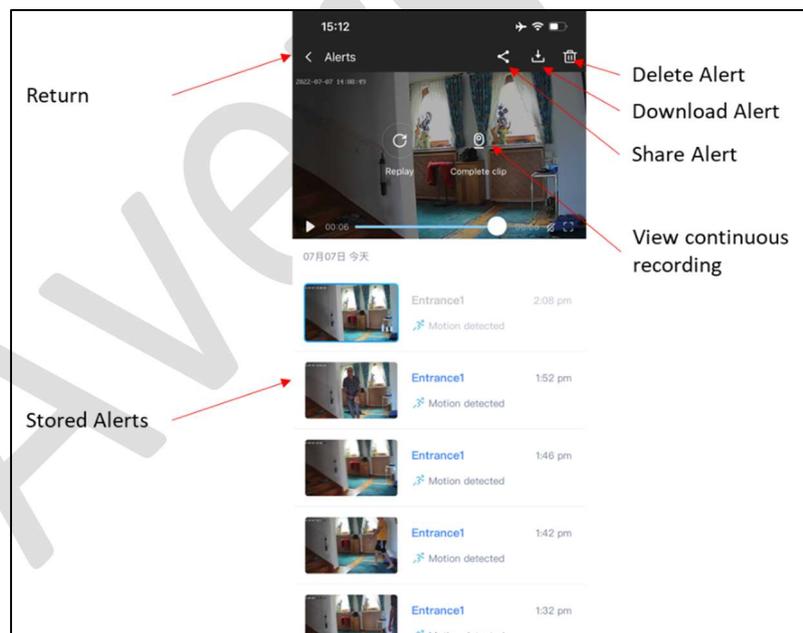
A short while after the moving object leaves the area that can be recorded by the camera, it will return back to the original recording location the camera was set to record.

If required, motion tracking can be activated by going to “Camera Settings” and switching on “Motion tracking”.

1.7 How to Review Alerts

Alerts can be accessed by clicking on “Alerts” on the bottom of the screen. If you would like to review an alarm that did not happen on the same day, please ensure to click the calendar icon in the top right corner and select the appropriate day.

On the main screen all alerts will be displayed. If you select the alert, the video will be played that recorded the event.



If your camera is set to record continuously (must be activated for micro-SD or cloud storage) additional video footage around the event can be reviewed by clicking on the “Complete clip” icon once the video has finished playing. This will take you to the “Activity” window where continuous recordings can be reviewed. More details can be found in the next section. Please return to the “Alerts” playback window if you proceeded to the “Activity” window

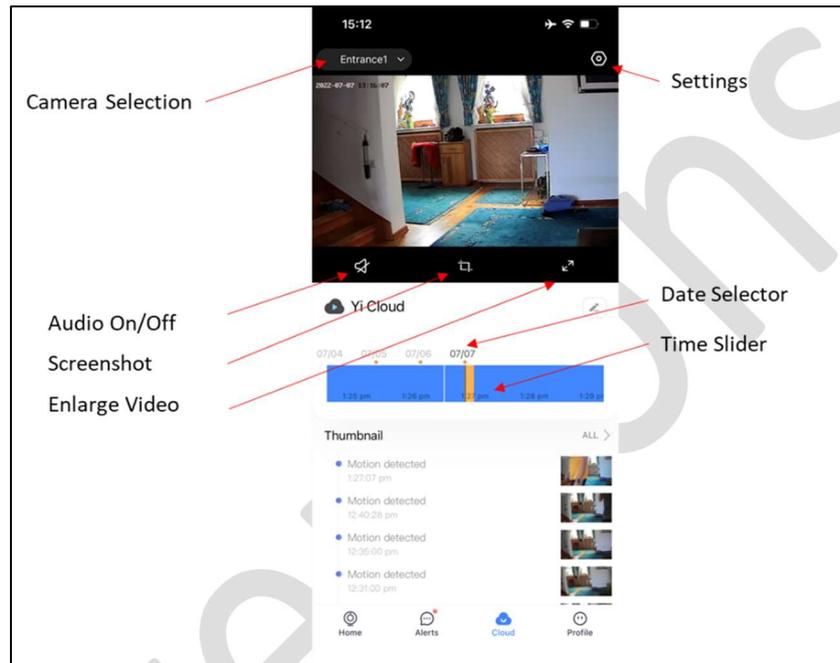
Alerts can be shared/downloaded/ deleted using the three icons in the top right corner of the “Alerts” playback window.

In the main “Alerts” window all alerts can be marked as read using the first icon in the top right corner or selectively using the 3rd icon.

1.8 How to Review Recorded Video and Triggered Alerts

Click on “Activity” (when using a micro-SD card) or “Cloud” (when using a cloud subscription).

Please select the camera that you are interested in by clicking on the top left selector, where you can choose your available cameras.



If you are using the cloud storage option, the Thumbnail section will contain recorded alerts that are stored in the cloud and can be reviewed.

To change the date, please use the date intervals above the horizontal time slider to select the day that you are interested in. Time can be adjusted by sliding the horizontal time slider. Note that you can zoom into a particular timeframe using two fingers. Triggered alerts are highlighted by vertical orange bars and an orange dot above the time slider.

1.9 Trouble Shooting:

Sometimes things go wrong. If this happens, please try to restart the system (both software and camera). Switch off the power to the camera, wait a few seconds and then switch on the power again. For the application, please consult your specific phone operating system.

If this does not resolve the issue or when the camera does not connect with the application, please try to reset the camera with the provided metal pin. Insert the metal pin into the small hole next to the micro-SD card slot. If successful, the camera will start the initial motion range check sequence. Please re-pair the system with the phone and check if the problem is resolved.

