

## Typical Use Cases of AltumView Sentinare Sensor



August 2024



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## Revision History

<b>Date</b>	<b>Version</b>
August 14, 2024	Version 1



## 1. Introduction

This document introduces how to use the AltumView Sentinare smart activity sensor in different home or institutional environments, in order to take full advantage of the myriad of its features to take care of elderly people.

For detailed information on the different features of the sensor, please refer to the User Manual and demo video at the following link.

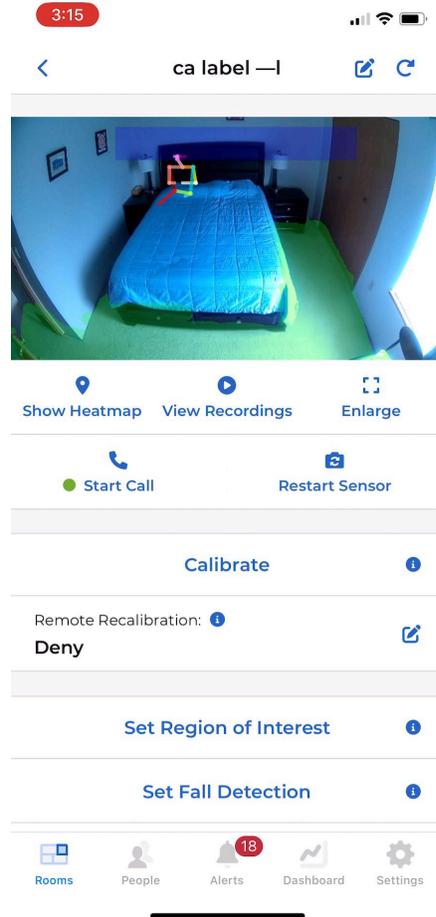
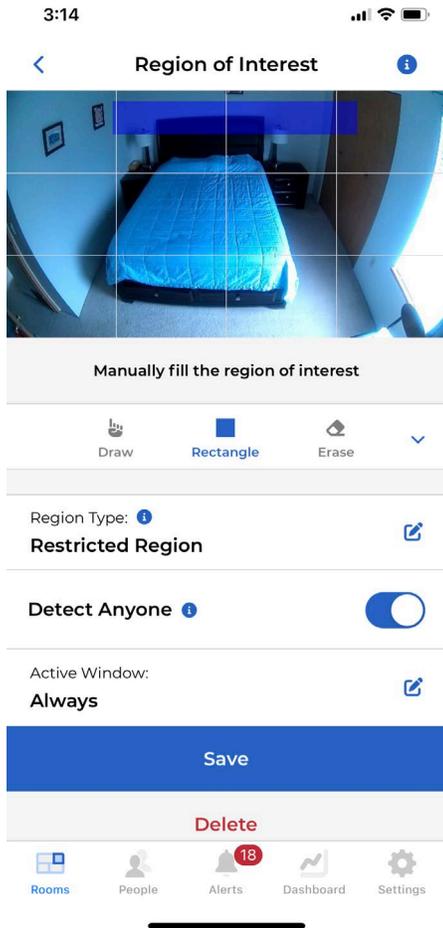
<https://www.altumview.ca/support/>

## 2. Detection of Leaving Bed or Going to Bed

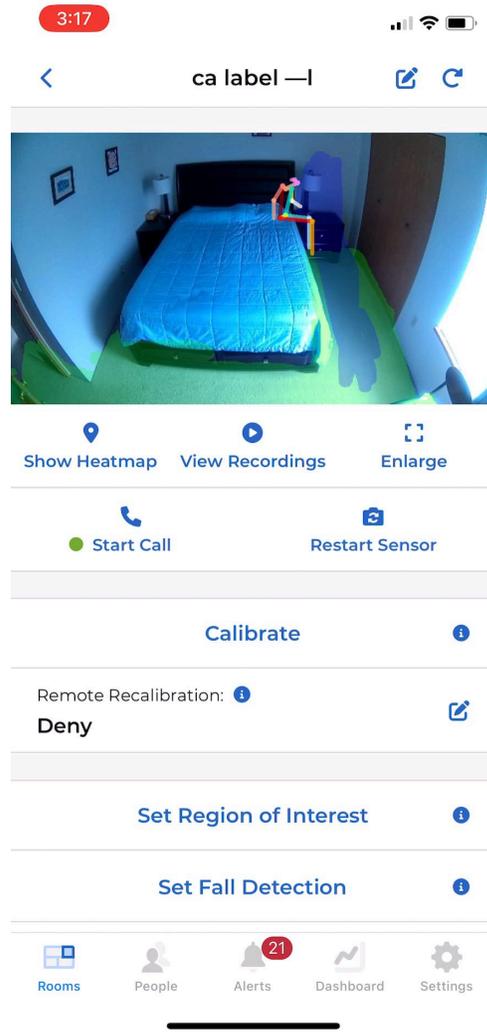
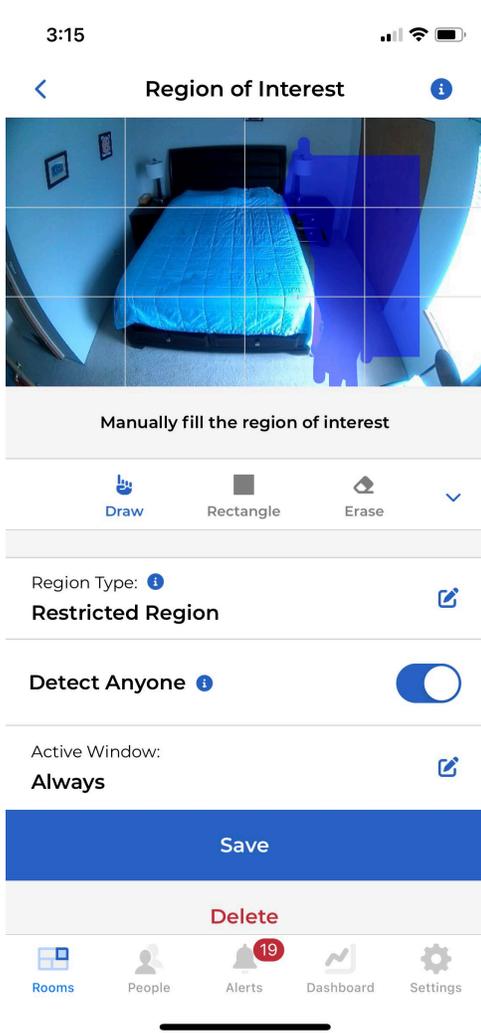
Sometimes, leaving or going to bed can be challenging. Knowing you'll be alerted before your loved one gets up can be a lifesaver. The Sentinare sensor can be configured to send alerts when, or even before, your loved one tries to get up and leave the bed.

Here are two examples of how to set up and configure a Sentinare sensor to send alerts when someone is getting up or trying to leave / go to the bed. You can use the "Region of Interest" feature to configure this alert.

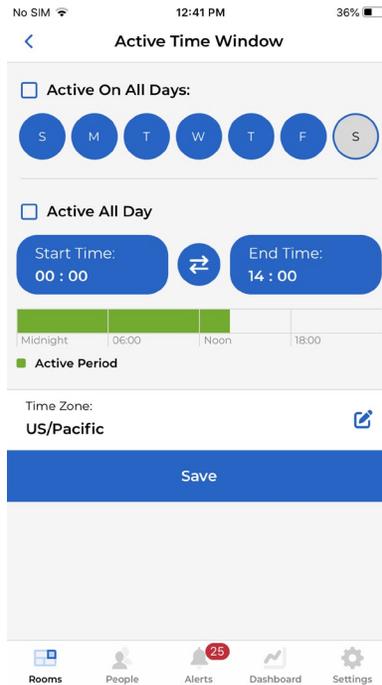
In the first example, configure a restricted region at the head of the bed. When someone sits up and their head enters this region, an alert will be sent.



You can also configure the restricted region as shown below to send an alert when someone is trying to leave or go to bed.



If you only need to monitor when someone is leaving the bed at night, you can set the alert's "Active Window" to the appropriate time.

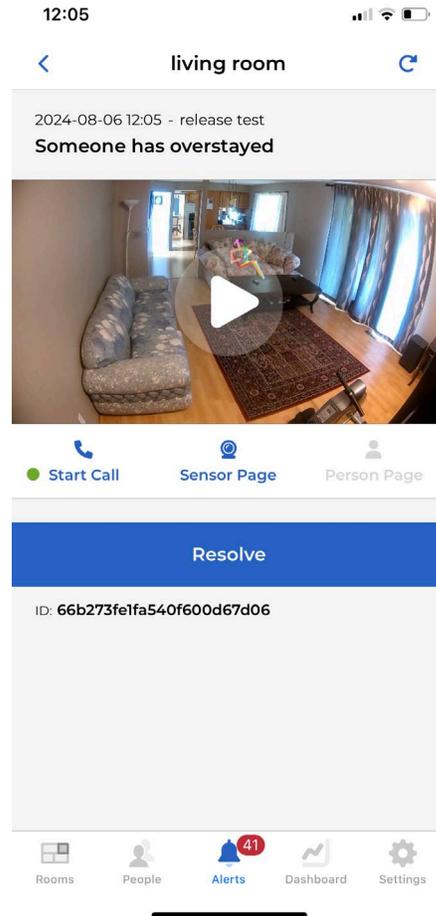
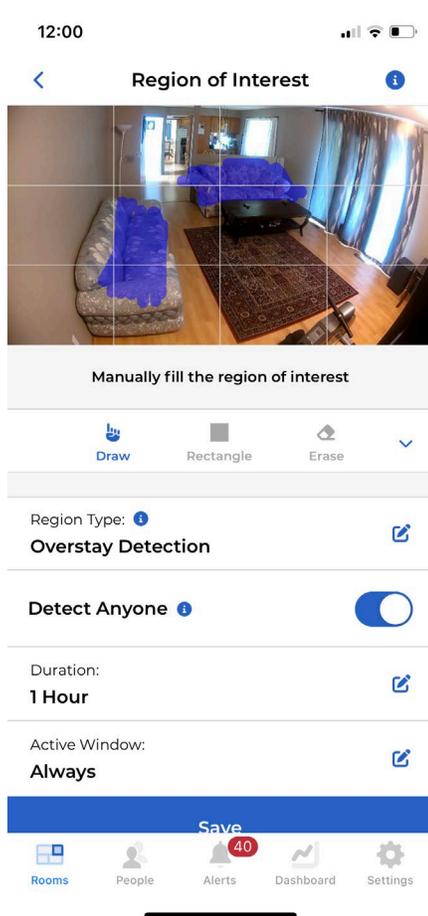


### 3. Overstay Detection to Avoid Sitting Too Long

Sitting for too long can increase health risks, such as high blood pressure and cholesterol levels, potentially leading to conditions like blood clots. It is important to exercise after sitting for a while, such as every 60 minutes.

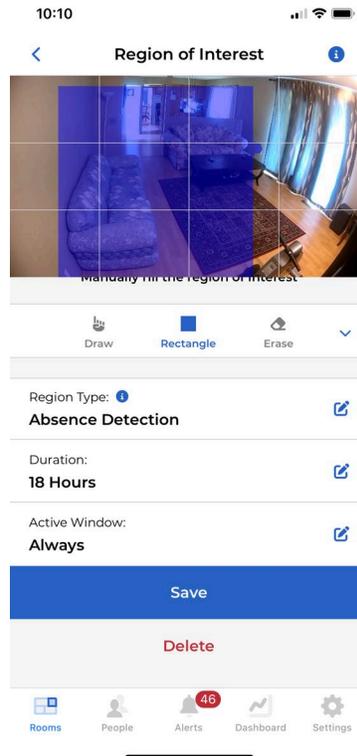
The Sentinare sensor can be configured to send an **overstay** alert and emit a sound to remind your loved ones to stand up and move around. Additionally, others can call the Sentinare sensor to remind the person in front of it to exercise.

Users can set up an overstay region on the "**Region of Interest**" page. In this example, the sofa areas are configured as the overstay alert region, and the duration is set to 1 hour. If someone stays in the blue area for an hour, an alert will be sent.



## 4. Absence Detection for Peace of Mind

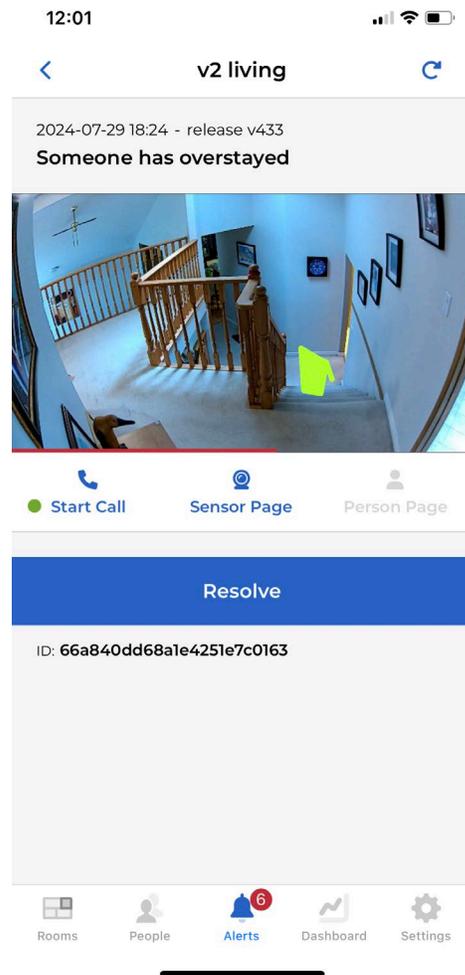
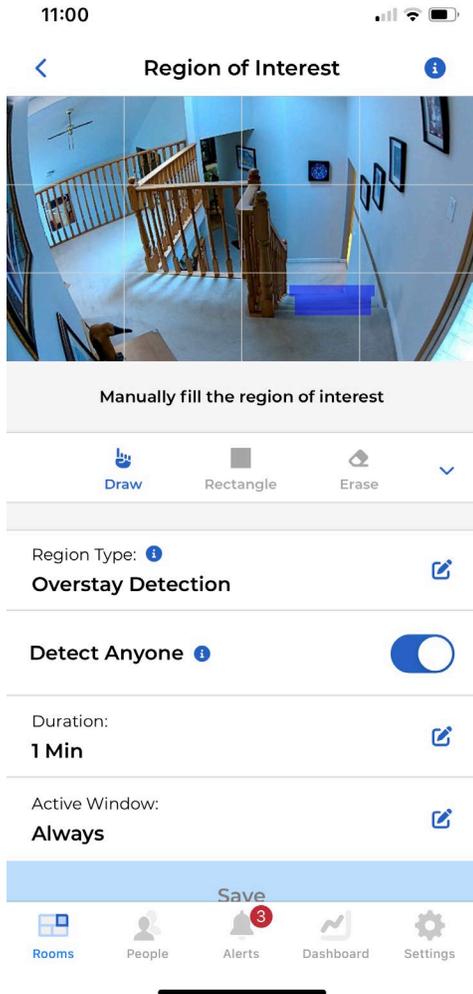
To knowing that your loved ones will moving around every day, user can configure an “Absence Detection” area in Region of Interest page. The “absence detection” area can be chosen in the area that your loved ones will appears every day. Like the example below, if no one is detected during the detection duration, 18 hours in this case, an alert will be sent to Sentinare app.



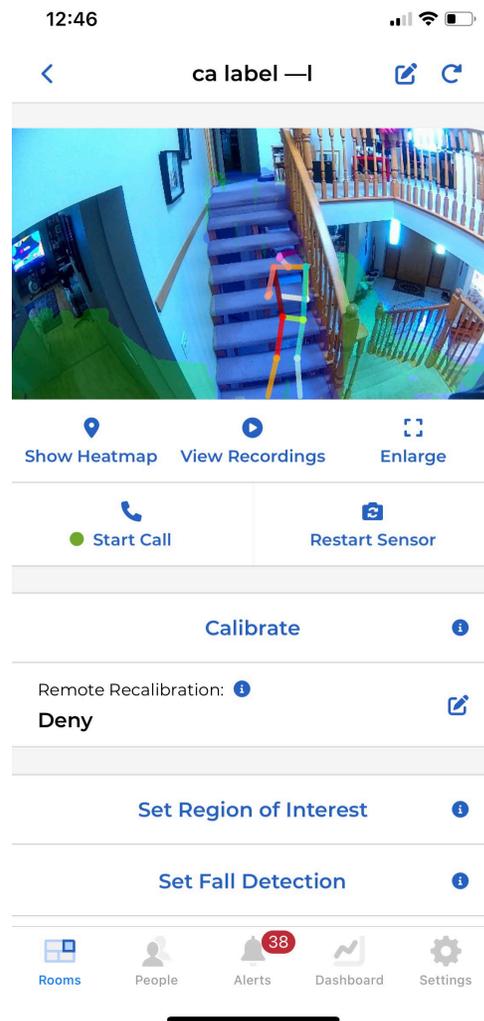
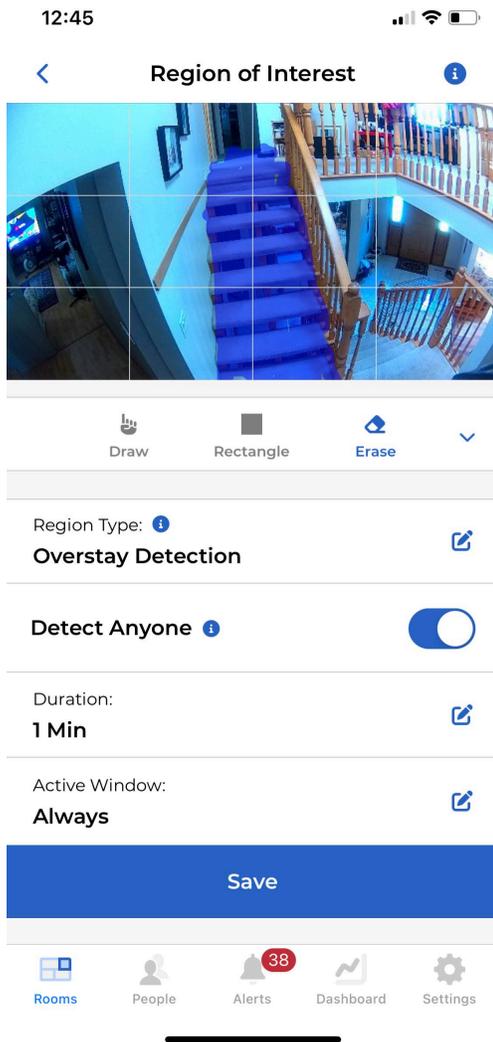
## 5. Monitoring Falls in the Stairs

The stair area can be challenging and detecting falls on stairs might be difficult or could trigger false alerts, depending on how the Sentinare sensor is installed, how the fall happens, and the person's posture after the fall. Since people rarely stay on the stairs for long periods, we suggest configuring the stair region as an "overstay region" to detect falls.

In this example, the Sentinare sensor is installed to monitor the upper floor, making the stair area very small. This setup makes fall detection almost impossible, but the 'overstay' alert can detect any prolonged presence in this small area.



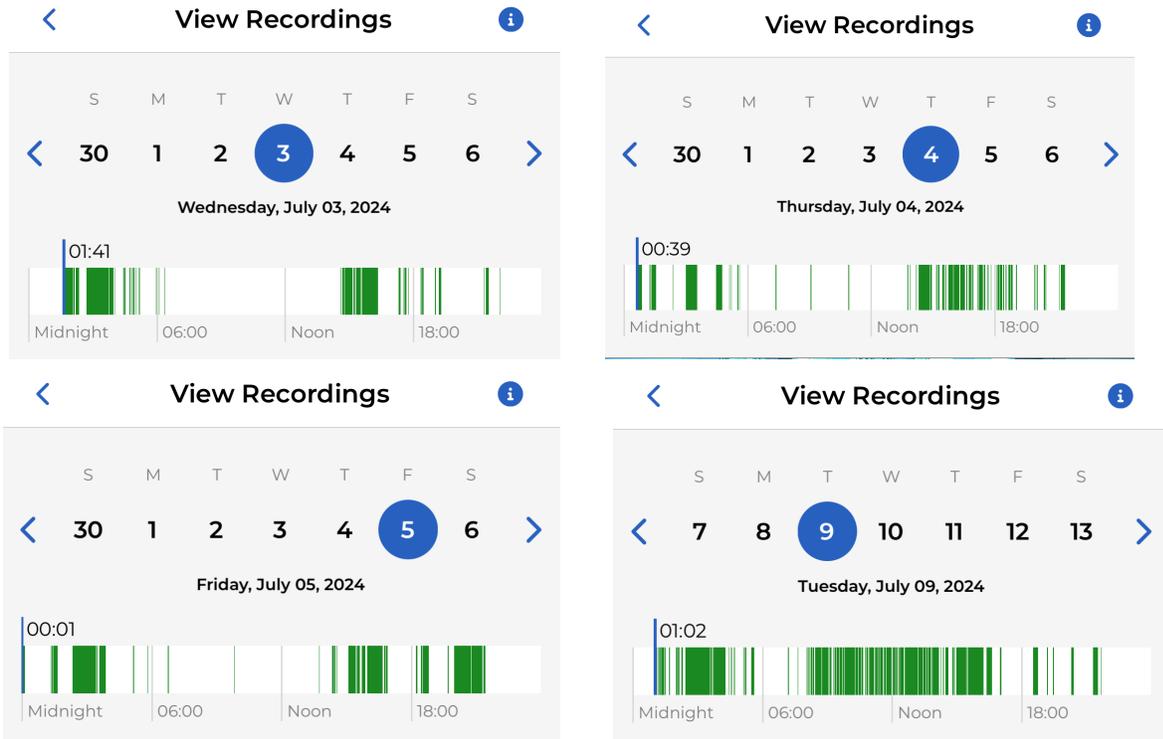
In the second example, the Sentinare sensor is installed on the lower floor. In this case, a fall may be missed if the person's posture during the fall is very close to standing, as shown below.



## 6. Checking Daily Activity

User can check the “Popularity Today” from Sentinare app’s Dashboard.

User can also check each sensor’s stick figure recording history to know your loved one’s everyday activity. If you notice a sudden change as that in July 09, it might be time to check if something unusual happens.

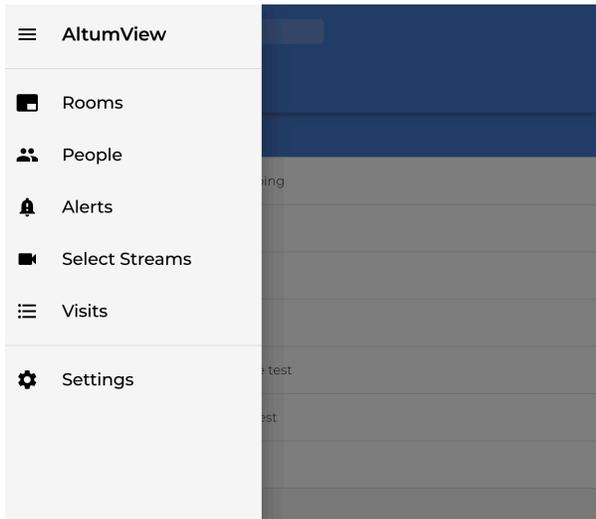


## 7. Monitoring Activities and Saving Data to Excel

Certain activities, such as the frequency of nighttime bathroom visits, can indicate specific health conditions. The Sentinare sensor can be configured to monitor these activities and provide statistics. Setting up a “Restricted Region” in the “Region of Interest” is very helpful for this purpose.

To monitor bathroom visits, a Sentinare sensor can be installed in the bathroom, with an area like the toilet bowl defined as the restricted region. If someone enters this area, an alert will be sent. If the sensor is installed outside the bathroom, the bathroom door can be defined as the restricted region. The number of alerts corresponds to the number of bathroom visits.

To make the alert information easier to read, users can log in to the web app (User Manual Chapter 10) and download the alert information to an XLSX file.



Alerts Filter

RESOLVE ALL Download

Resolved	Message	Room - Camera	Date	Actions
<input type="checkbox"/>	Someone has fallen	release test - living room	Wed, Aug 7, 2024, 9:02 AM	
<input type="checkbox"/>	Someone has fallen	release test - living room	Tue, Aug 6, 2024, 11:21 PM	
<input type="checkbox"/>	Someone has fallen	release test - living room	Tue, Aug 6, 2024, 3:45 PM	
<input type="checkbox"/>	Someone has fallen	release test - living room	Tue, Aug 6, 2024, 3:45 PM	
<input type="checkbox"/>	Someone is seeking help	release test - living room	Tue, Aug 6, 2024, 12:54 PM	
<input type="checkbox"/>	Someone has overstayed	release test - living room	Tue, Aug 6, 2024, 12:05 PM	
<input type="checkbox"/>	Someone has overstayed	release test - ca label -I	Tue, Aug 6, 2024, 12:00 PM	
<input type="checkbox"/>	Someone has overstayed	release test - ca label -I	Mon, Aug 5, 2024, 12:48 PM	
<input type="checkbox"/>	Ying has fallen	release test - ca label -I	Mon, Aug 5, 2024, 12:45 PM	
<input type="checkbox"/>	Ying has fallen	release test - ca label -I	Mon, Aug 5, 2024, 12:44 PM	
<input type="checkbox"/>	Ying has fallen	release test - ca label -I	Mon, Aug 5, 2024, 12:43 PM	
<input type="checkbox"/>	Someone entered a restricted region	release test - ca label -I	Mon, Aug 5, 2024, 12:30 PM	
<input type="checkbox"/>	Someone entered a restricted region	release test - ca label -I	Mon, Aug 5, 2024, 12:29 PM	

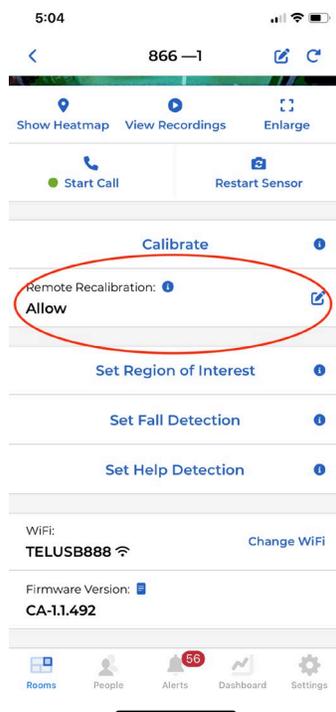
Alert ID	Room ID	Sensor ID	Room Name	Sensor Name	Person Name	Event Type	Event Type N	Resolved?	False Alert?	Server Receive Time (I	Time (UTC/GMT)
66b3fac241c4fd683b8efd6	3173	4213	mom house	bathroom	Someone	2 Restricted	2	FALSE	FALSE	2024-08-07T22:53:03.(	2024-08-07T22:53:02.000Z
66b3f151bb3474af63521870	3173	4213	mom house	bathroom	Someone	2 Restricted	2	FALSE	FALSE	2024-08-07T22:12:33.(	2024-08-07T22:12:32.000Z
66b3f1450a8ce67d8a1867aa	3173	4213	mom house	bathroom	Someone	1 Fall	1	FALSE	FALSE	2024-08-07T22:12:21.(	2024-08-07T22:12:21.000Z
66b3f10bcb6d610e74b94a9c	3173	4213	mom house	bathroom	Someone	1 Fall	1	FALSE	FALSE	2024-08-07T22:11:23.(	2024-08-07T22:11:22.000Z
66b3f0dc240dc86d2bd5bc	3173	4213	mom house	bathroom	Someone	2 Restricted	2	FALSE	FALSE	2024-08-07T22:10:36.(	2024-08-07T22:10:36.000Z
66b3ec64db081cd202e42a86	3173	4213	mom house	bathroom	Someone	2 Restricted	2	FALSE	FALSE	2024-08-07T21:51:32.(	2024-08-07T21:51:31.000Z
66b3e63e0afe7e3c89bc2523	3173	4213	mom house	bathroom	Someone	2 Restricted	2	FALSE	FALSE	2024-08-07T21:25:18.(	2024-08-07T21:25:17.000Z
66b3dbd3e5f4dfed04f41458	3173	4213	mom house	bathroom	Someone	2 Restricted	2	FALSE	FALSE	2024-08-07T20:40:51.(	2024-08-07T20:40:51.000Z
66b39a7fd79cbabdb2309d3a	3173	4213	mom house	living room	Someone	1 Fall	1	FALSE	FALSE	2024-08-07T16:02:07.(	2024-08-07T16:02:07.000Z
66b3126910b698b127fcec87	3173	4213	mom house	living room	Someone	1 Fall	1	FALSE	FALSE	2024-08-07T06:21:29.(	2024-08-07T06:21:28.000Z
66b2a79dbd2a9edbd944eb0c	3173	4213	mom house	living room	Someone	1 Fall	1	FALSE	FALSE	2024-08-06T22:45:49.(	2024-08-06T22:45:47.000Z
66b2a798bd2a9edbd944eb04	3173	4213	mom house	living room	Someone	1 Fall	1	FALSE	FALSE	2024-08-06T22:45:44.(	2024-08-06T22:45:43.000Z
66b27f91180a81e29768cfd6	3173	4213	mom house	living room	Someone	5 Hand-Waving	5	FALSE	FALSE	2024-08-06T19:54:57.(	2024-08-06T19:54:56.000Z
66b273fe1fa540f600d67d06	3173	4213	mom house	living room	Someone	10 Overstay	10	FALSE	FALSE	2024-08-06T19:05:34.(	2024-08-06T19:05:34.000Z
66b272b51fa540f600d67ce9	3173	4213	mom house	ca label -I	Someone	10 Overstay	10	FALSE	FALSE	2024-08-06T19:00:05.(	2024-08-06T19:00:05.000Z
66b12c302e9be7658d0cd96	3173	4213	mom house	ca label -I	Someone	10 Overstay	10	FALSE	FALSE	2024-08-05T19:46:56.(	2024-08-05T19:46:55.000Z

## 8. Snapshot of the Real Scene in Emergency

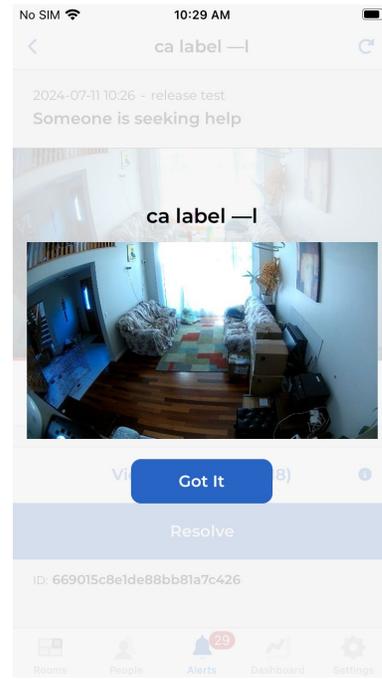
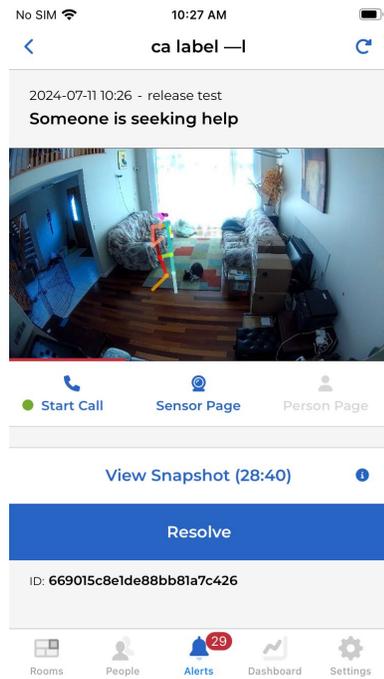
Sentinare usually only sends stick figures to protect privacy. However, in case of emergencies, sometimes it is necessary to check the real scene to evaluate the situation.

To check the real image when an accident happens, user can take a snapshot within 30 minutes after an alert is sent.

To use this feature, “Remote Calibration” must be enabled. For safety reasons, the mobile device must be within 10 meters to enable “Remote Calibration.”



On the alert page, user can tap the “view snapshot” button to get a snapshot. This button only available within 30 minutes after the alert happens



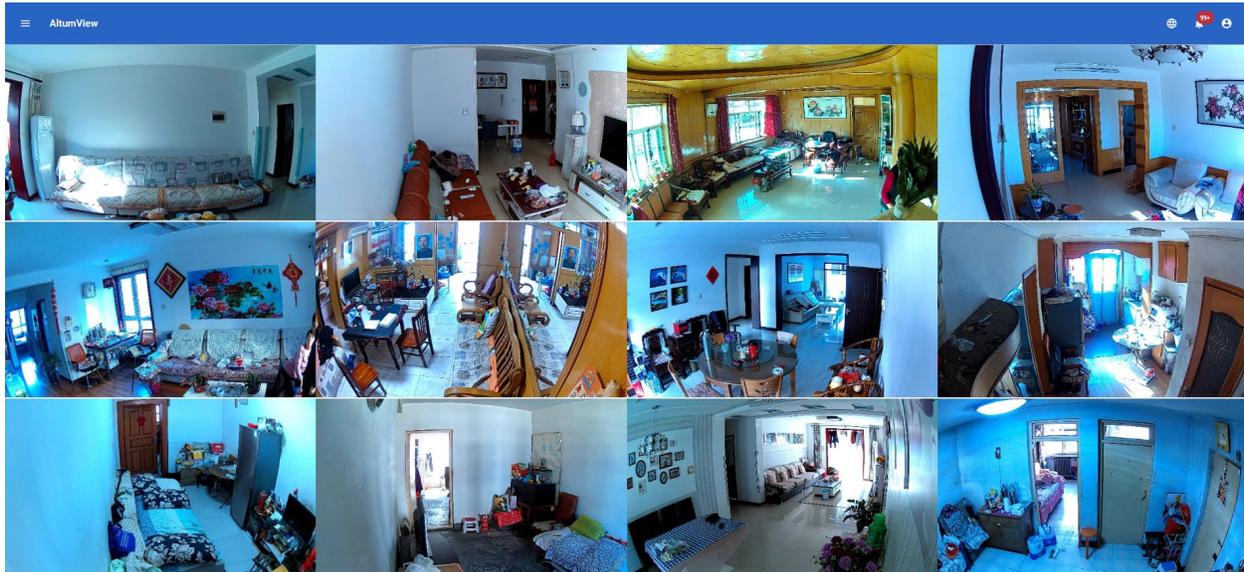
## 9. Viewing Multiple Sensors Simultaneously

If you have multiple Sentinare sensors installed under one account, the fastest way to view their streams is through the **web app**. Simply log in to the web app using your mobile app account.

For accounts created in the Canada server: <https://app.altumview.ca>

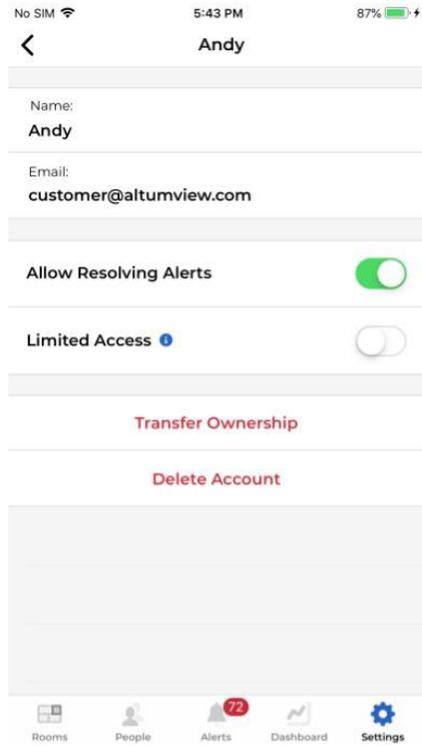
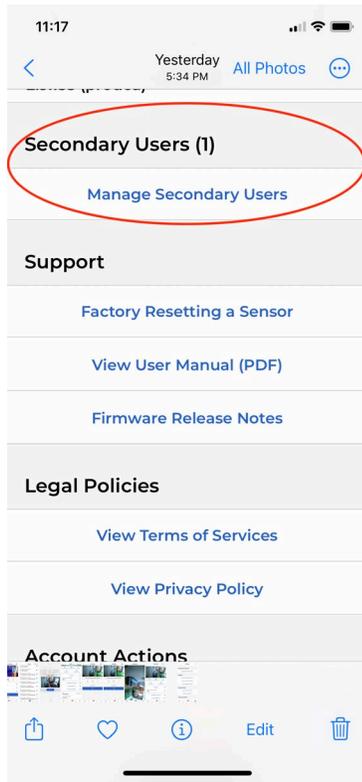
For accounts created in the US server: <https://app.altumview.com>

For accounts created in the China server: <https://app.altumview.com.cn>



## 10. Sharing Streaming and Alert with Secondary Users

If you have a third party involved in caring for your loved ones, you may want to share the stick figure streaming and alerts with them. The "Secondary User" feature, included in the "Home plan," allows you to do this seamlessly.



As the primary user, you can invite a secondary user to share access to the stick figure streaming and alerts through the "Settings" page. If the third party changes, you can easily delete the previous account and invite the new person.