



Grandstream Networks, Inc.

GDS3710

Motion Detection Configuration Guide



Table of Content

INTRODUCTION	3
FUNCTIONALITY	4
WIRING DIAGRAM	5
GDS37XX WEB CONFIGURATION	6
<i>Alarm action</i>	6
<i>Alarm phone list</i>	6
<i>Email settings</i>	7
<i>Motion detection settings</i>	8
MOTION DETECTION TEST	10

Table of Figures

Figure 1: Alarm action profile	6
Figure 2: Alarm phone list	7
Figure 3: Email settings.....	8
Figure 4: Motion detection setting	8
Figure 5: motion detection Region configuration	9
Figure 6: Alarm Call.....	10
Figure 7 : Alarm email notification	10



INTRODUCTION

The GDS3710 HD IP Video Door System is a hemispheric IP video door phone with an integrated high-definition IP surveillance camera. GDS3710 is ideal for monitoring from wall to wall without blind spots. Powered by an advanced Image Sensor Processor (ISP) and state of the art image algorithms, it delivers exceptional performance in all lighting conditions.

In this Guide we will cover all the options related to motion detection settings which will offer the ability to configure conditions based on detection zones which will result on alarm actions during specific time schedule.

We will list all the available motion detection modes which can suit different use cases depending on the monitored area and ratio of movement inside a zone.



FUNCTIONALITY

The motion detection is one of the GDS3710 enhanced security features. It will trigger the alarm upon a motion has been detected in a specific region.

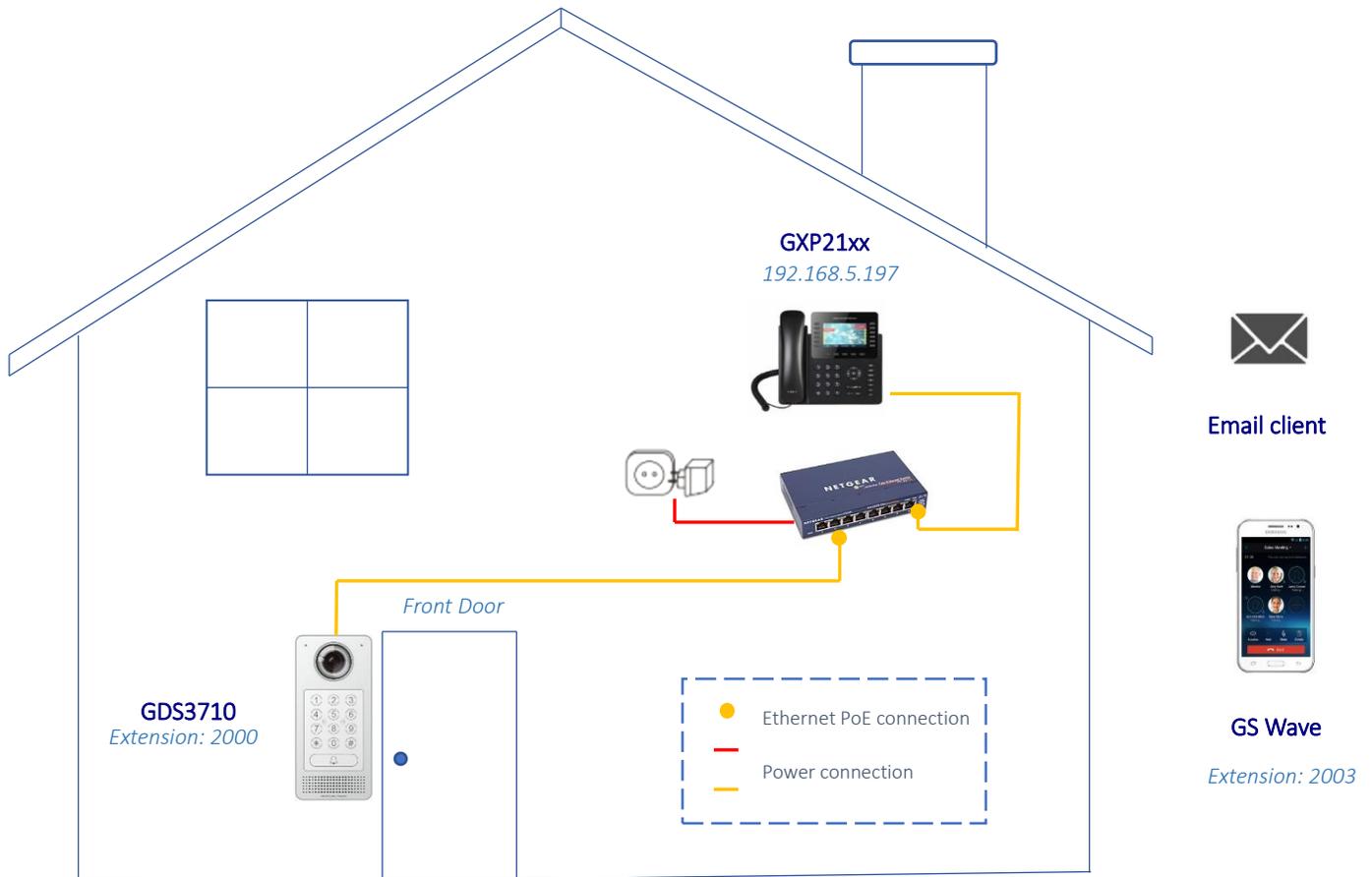
The GDS3710 alarms that can be triggered are:

- **Upload to Alarm Center:** If selected, the GDS Manager will popup alarm window and sound alarm in the computer speaker.
- **Audio Alarm to SIP Phone:** If selected, GDS3710 will call pre-configured (video or audio) phone and will play sound alarm.
- **Send Email:** If selected, an email with snapshot will be sent to the pre-configured email destination.
- **Audio Alarm:** If selected, GDS3710 will play alarm audio using built-in speaker.
- **Alarm Output:** If selected, the alarm will be sent to the equipment (for example: Siren) connected to Alarm Output interface.
- **Upload Snapshot:** If selected, snapshots at the moment where the event is triggered will be sent to preconfigured destination (e.g.: FTP or email).



WIRING DIAGRAM

In this scenario, we assume that the GDS3710 is installed on a small warehouse at the front door and the motion detection is configured on a specific region to trigger an Audio Alarm to SIP Phone calling a remote extension on the GS Wave, and Upload Snapshot to an email client.



GDS37XX WEB CONFIGURATION

To configure the motion detection feature on the GDS3710 please proceed as follow:

- Specify the alarm action to trigger when motion is detected,
- Add the remote phone to call when alarm is triggered (optional),
- Add the email client to send the email when alarm is triggered (optional)
- Configure the motion detection feature,

Alarm action

This page specifies the configuration of Profile used by the Alarm Actions. A Profile is required before the Alarm Action can take effect

1. Go to **Alarm Settings => Alarm Action Setting**
2. Select a profile and click on **Edit**,
3. Select the alarm action to trigger when the motion is detected, and save.

Note: for this guide we will set an Audio Alarm to SIP Phone and Upload Snapshot

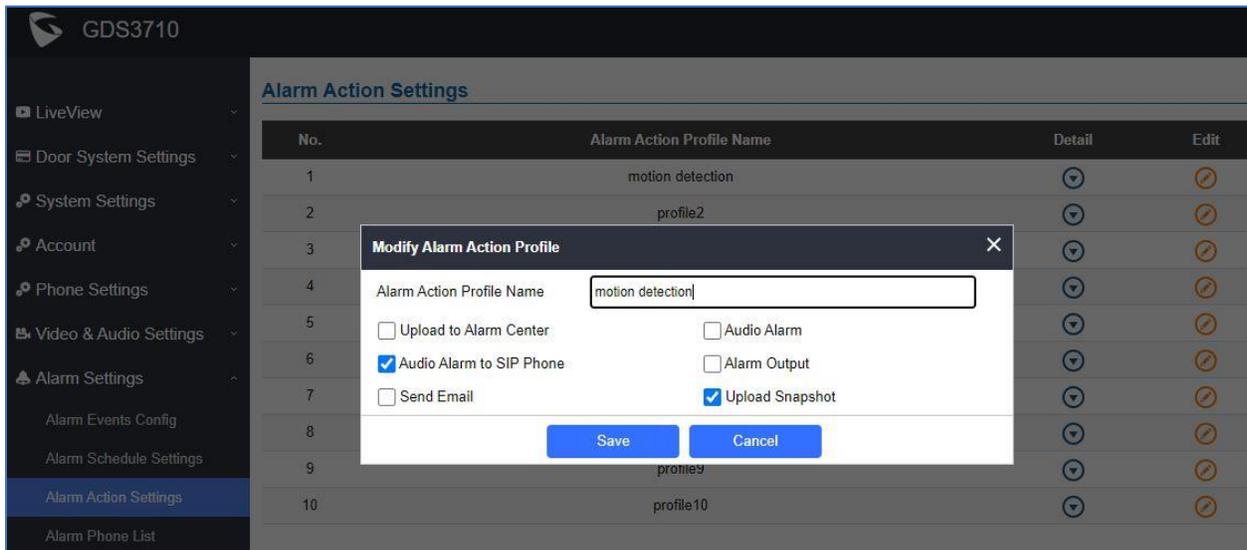


Figure 1: Alarm action profile

Alarm phone list

This page allows users to configure the Alarm Phone List, which are phone numbers or extensions list that the GDS3710 will call out when an event is triggered (e.g.: doorbell pressed).



To add a phone extension, go to **Alarm Settings => Alarm Phone List**

1. **Alarm Call Out Account:** select the SIP account to be used by the GDS3710 when alarm is triggered
2. **Alarm Phone List x:** add or delete number from the phone alarm list. (When IP address is used then the port needs to be appended, example: 192.168.5.197:5060)

Note: Once the event is triggered, the GDS3710 will call the first number, once time out is reached and no answer is returned from the first number, the GDS3710 will try the next number on the list and so on. Once the remote phone answers the call, an alarm will be played to notify users that an event is triggered.

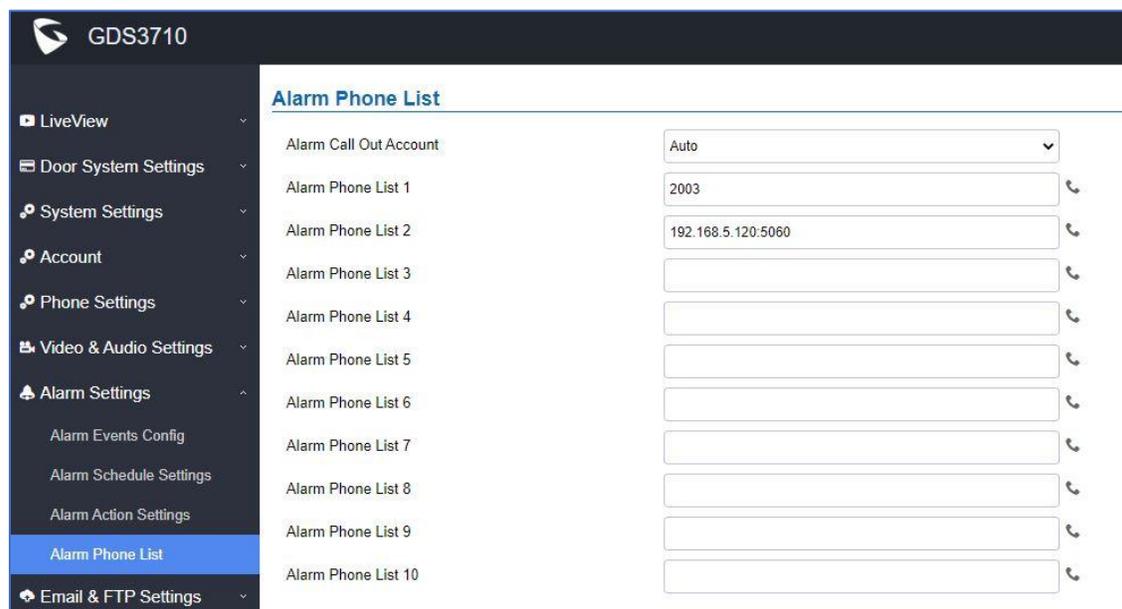


Figure 2: Alarm phone list

Email settings

This page allows users to configure an email client to send out an email when the alarm is triggered (e.g.: doorbell pressed).

To add an email client, go to **Email & FTP settings => Email settings**

1. **SMTP Server:** Configures the SMTP Email Server IP or Domain Name.
2. **SMTP Server Port:** Specifies the Port number used by server to send email, default is 25.
3. **From E-mail address:** Specifies email address of alarm email sending from, usually client email ID.
4. **Sender Email Password:** Specifies sender's password of the email account.
5. **Alarm-To Email Address 1:** Specifies the email address to receive the alarm email.



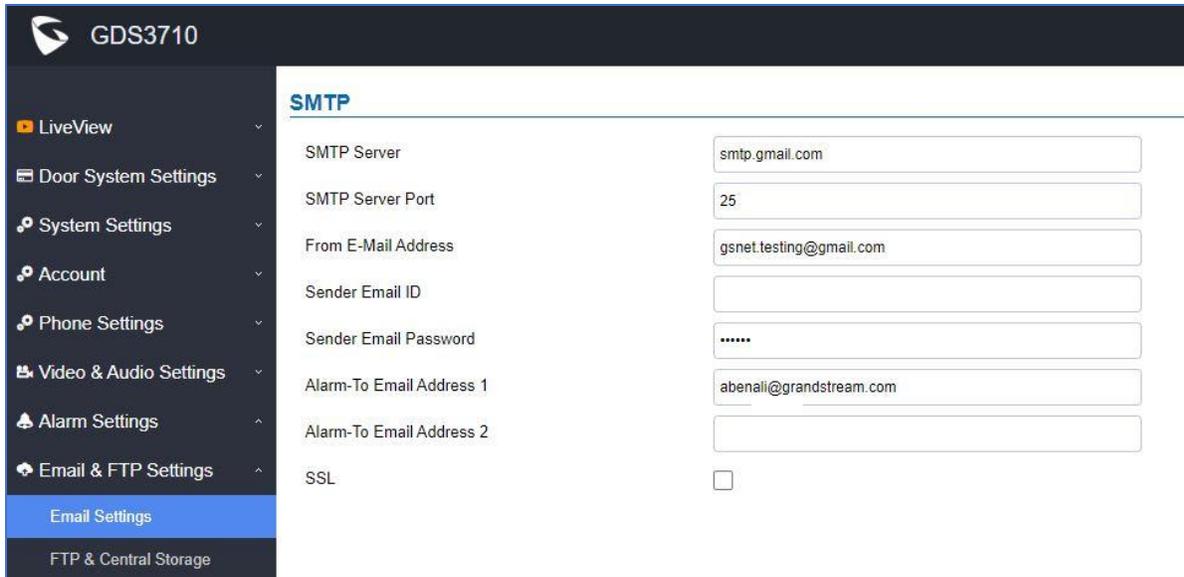


Figure 3: Email settings

Motion detection settings

In order to set a motion detection access **Alarm Settings => Alarm Events Config**. This page allows users to configure GDS3710 events to trigger programmed actions within predefined schedule.

1. **Enable Motion Detection:** Enables the motion detection feature,
2. **Region Config:** Configures the motion detection region,
3. **Sensitivity:** Specifies the region sensitivity (value between 0-100%),
4. **Select Alarm Schedule:** Selects the alarm schedule,
5. **Select Alarm Action Profile:** Selects the programmed Alarm Action profile,

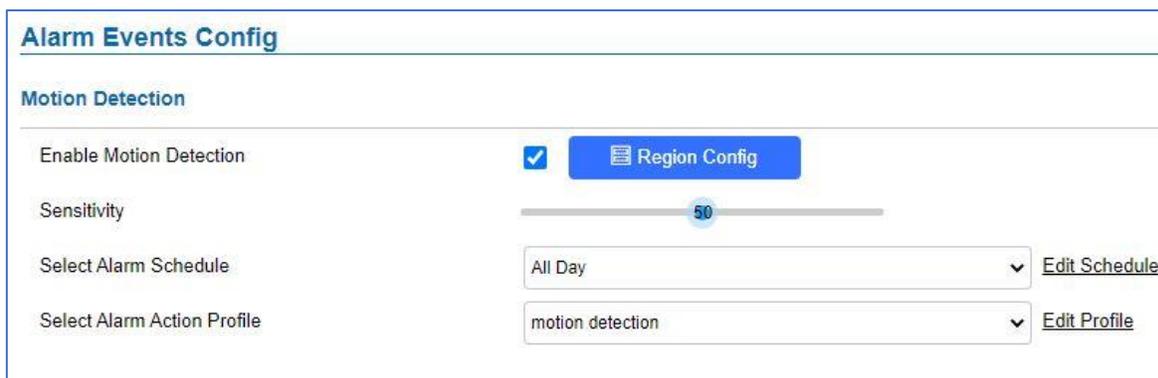
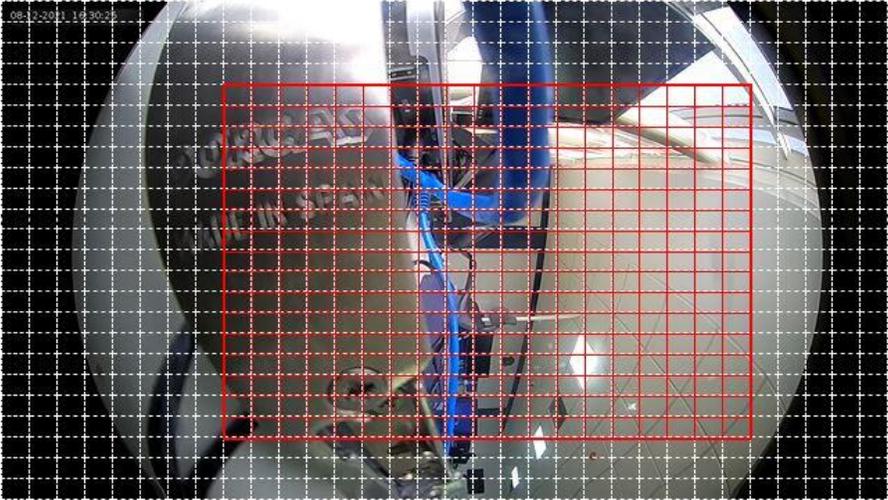


Figure 4: Motion detection setting



Motion Detection

Enable Motion Detection [Quit Editing](#) [Clear Selected Region](#)



08-12-2017 18:30:00

Sensitivity

Select Alarm Schedule [Edit Schedule](#)

Select Alarm Action Profile [Edit Profile](#)

The image shows a configuration window for motion detection. At the top, there is a title 'Motion Detection' and a section for 'Enable Motion Detection' which is checked. To the right are two buttons: 'Quit Editing' and 'Clear Selected Region'. The main area is a camera feed with a red grid overlay. The timestamp '08-12-2017 18:30:00' is visible in the top left of the feed. Below the feed, there are three settings: 'Sensitivity' with a slider set to 50, 'Select Alarm Schedule' with a dropdown menu showing 'All Day' and an 'Edit Schedule' link, and 'Select Alarm Action Profile' with a dropdown menu showing 'motion detection' and an 'Edit Profile' link.

Figure 5: motion detection Region configuration



MOTION DETECTION TEST

Once the motion detection configuration is set, the GDS3710 will trigger the alarm action once a motion is detected. For this guide the alarms were a call on a SIP extension and an email notification.

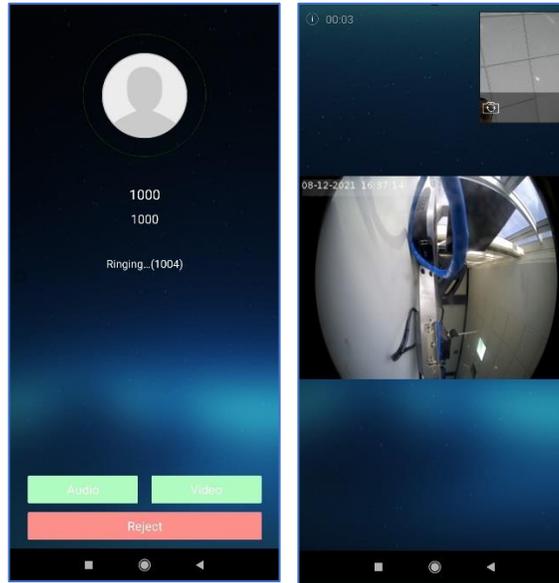


Figure 6: Alarm Call

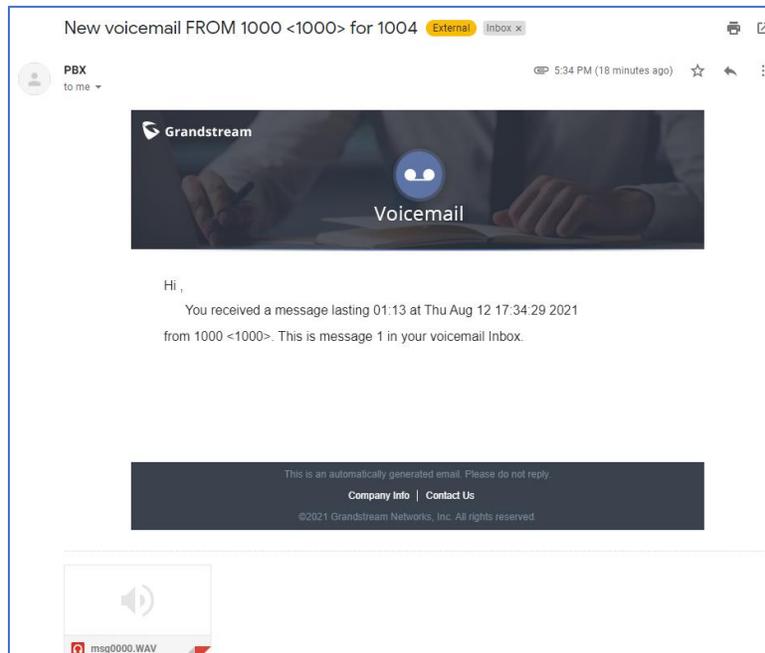


Figure 7 : Alarm email notification

