Grandstream Networks, Inc.

Connecting the GDS3710 with GVR355X Configuration Guide

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INTRODUCTION

GDS3710 HD IP Video Door System is a hemispheric IP video door phone and a high-definition IP surveillance. 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. It contains integrated PoE, LEDs, HD loudspeaker, RFID card reader, motion detector, lighting control switch, Alarm Input/output and more.

The GDS3710 IP video door system features industry-leading SIP/VoIP for 2-way audio and video streaming to smart phones and SIP phones, allowing to receive calls from GDS3710 on associated SIP phones when doorbell is pressed, opening door from the SIP phone, initiate calls from the phone to GDS3710 and get real time audio/video stream.

Many GDS3710 can be connected to the GVR355X in order to use the recording feature allowed by the GVR355X or use settings, such as motion detection, I/O alarm to trigger different actions.

This guide describes needed configuration on the GVR355X to connect multiple GDS3710 and use GVR355X features.

ADDING GDS3710 TO THE GVR355X

To add a GDS3710 to the GVR355x, please refer to following steps:

1. Add the GDS3710 to the GVR list by accessing the GVR webGUI under "**Settings > Camera Management > Search & Config**".

2. Click on 

and the following window will popup.

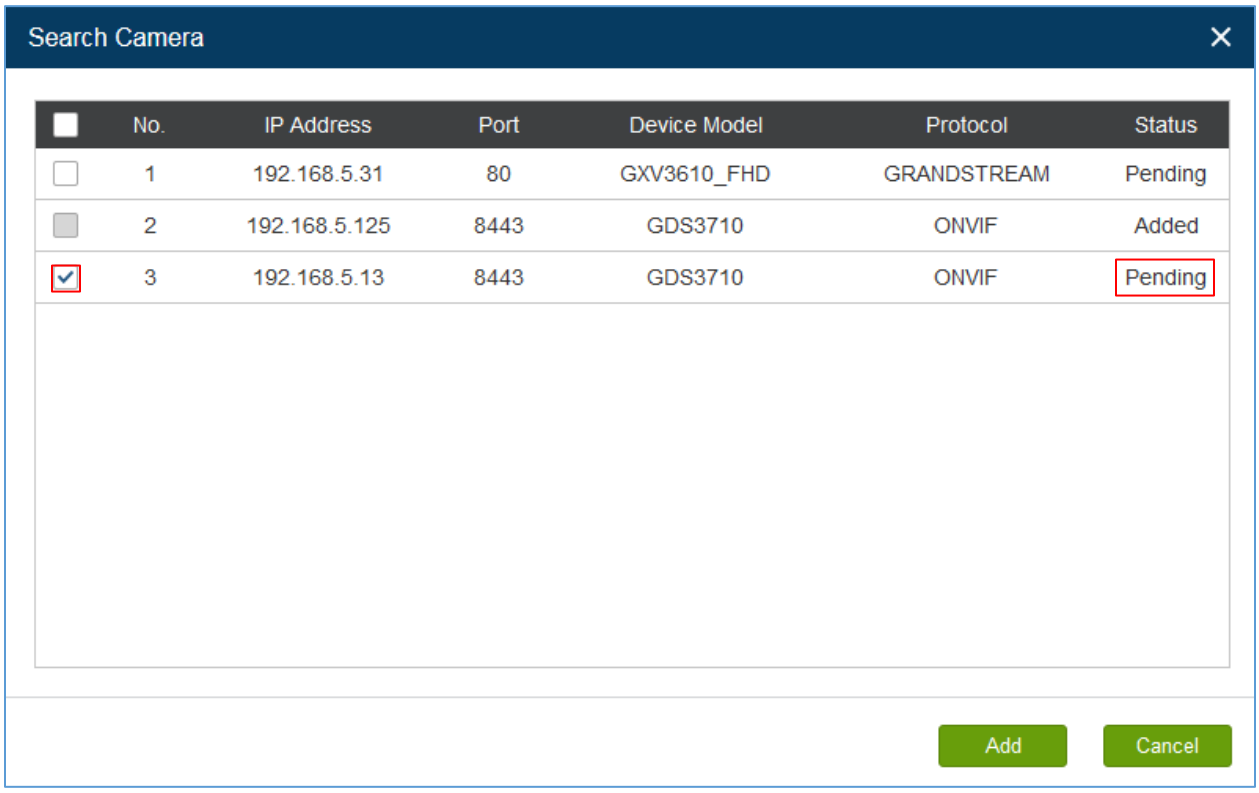
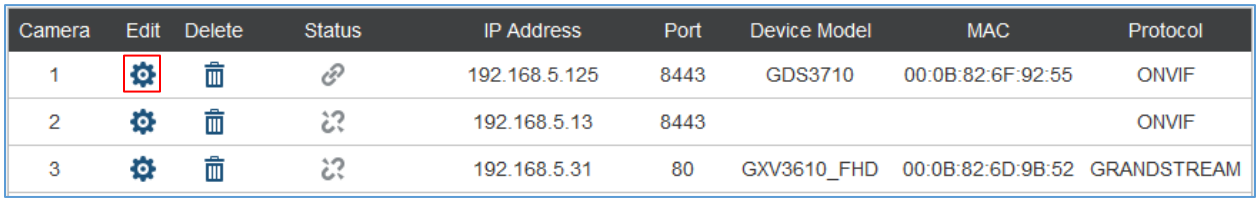


Figure 1: Search Camera

3. Select the GDS and then click on "Add", the status of the GDS3710 will change from "Pending" to "Added".

The list of added devices will be displayed on the webGUI as shown on the figure below:



Camera	Edit	Delete	Status	IP Address	Port	Device Model	MAC	Protocol
1				192.168.5.125	8443	GDS3710	00:0B:82:6F:92:55	ONVIF
2				192.168.5.13	8443			ONVIF
3				192.168.5.31	80	GXV3610_FHD	00:0B:82:6D:9B:52	GRANDSTREAM

Figure 2: List of Devices

4. Click on  to edit the GDS3710 information including the Username and Password, then click on "Save".

GDS3710 STREAM RECORDING

The GVR355X allows to add up to 24 cameras, users can set recording settings after adding the GDS, from the GVR355X webGUI under "**Settings > Camera Management > Record Mode Config**", click on the camera number then select the suitable type of recording as shown on the figure below:

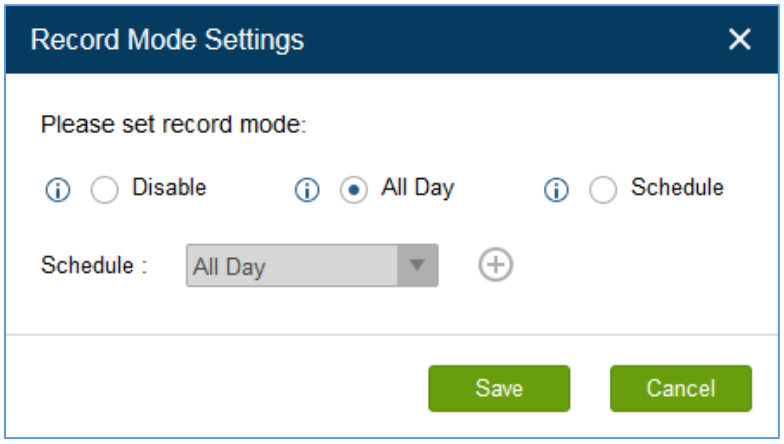


Figure 3: Recording All Day

Users could choose recording "All Day" as shown above, or set a Schedule on when to start recording as shown below.

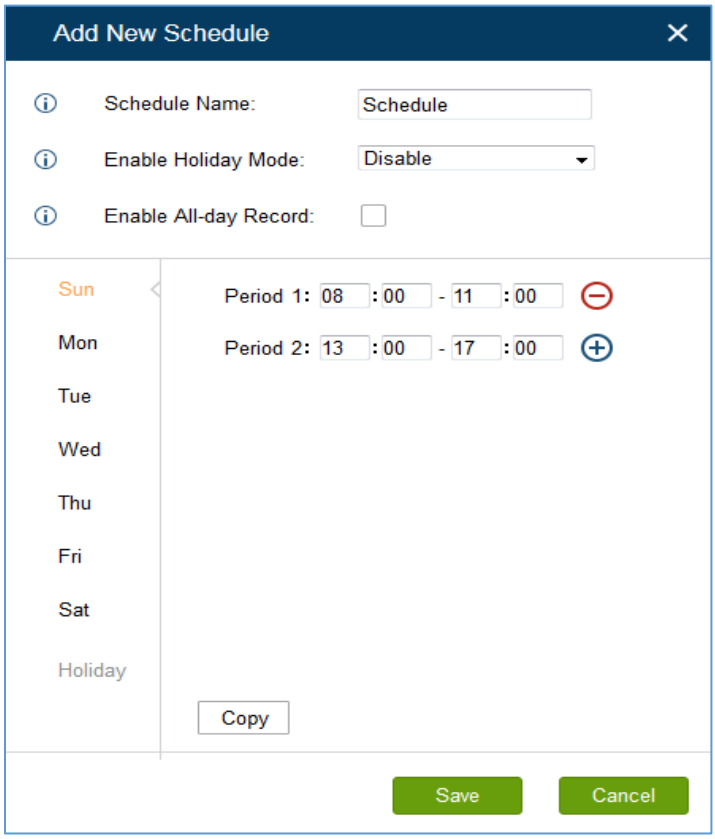


Figure 4: Record on Schedule

ALARM SETTINGS

Users can set different alarm types to each one of the GDSs connected to GVR355X. This can be done from the GVR webGUI under "**Settings > Camera Management > Camera Event Settings**".

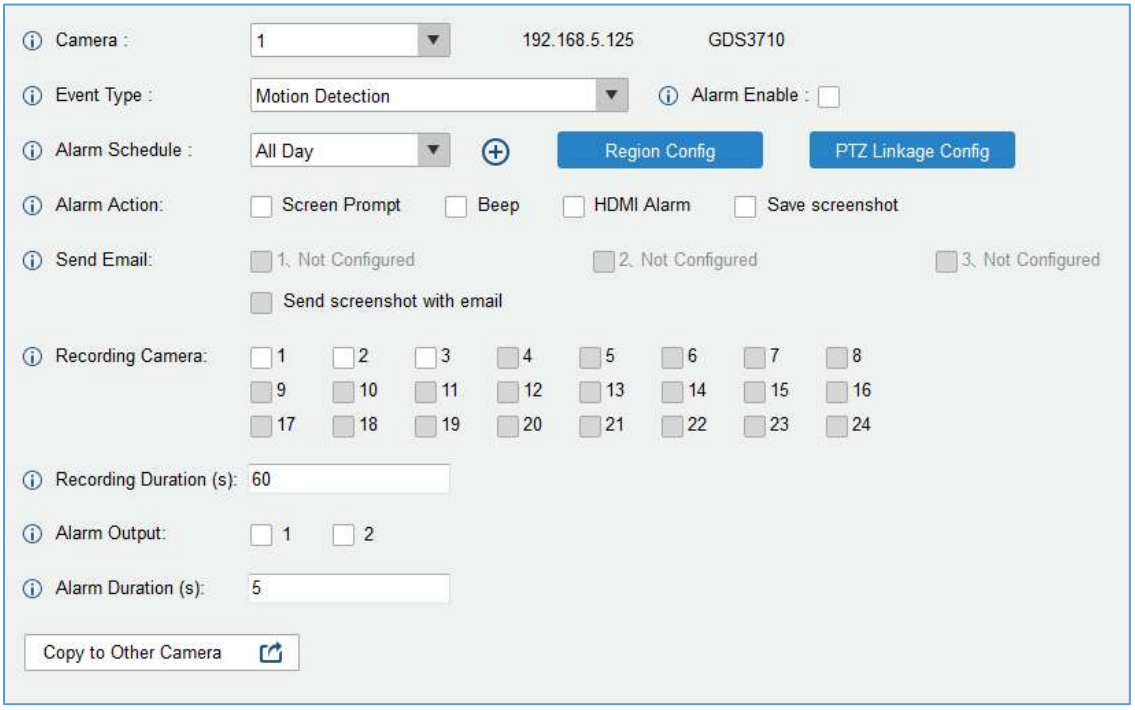


Figure 5: GVR355X Event Settings

Parameter	Description
Camera	Select GDS3710 connected.
Event Type	Select the type of event that will trigger the desired action. Motion Detection, Signal loss, IPC IO Alarm.
Alarm Enable	Check to enable/disable alarm.
Alarm Schedule	Select schedule in the drop-down list.
Region Config	Set detection area to IPC with Motion Detection, Missing Object Detection and Foreign Object Detection function. Users could set up to 16 detection areas. Move the mouse to add areas and click on X in the upper right corner of the area to delete it. Double click or right click the mouse to save the area and exit.
PTZ Linkage Config	Only available to IPC with PTZ linkage function. For different IPC and camera alarm event, users could set various alarm action: Screen Prompt, Beep, HDMI Alarm, Send Mail, Alarm Output, Alarm Delay(s).Or copy the alarm action to other cameras
Alarm Action	Set different alarm mode.
Screen Remind	Click to send alarm to display screen.

Beeping	Click to activate beeping when alarm is triggered.
HDMI Alarm	Click to send alarm to GVR355X connected HDMI display device.
Email Notification	Click to send email to configured email. Email Configuration: Settings > System Settings > Email Settings.
IP Camera	Click to select related alarm IP Cameras.
Record Delay(Second)	Configure the time for alarm recording.
Alarm Output	Click to select Alarm Output.
Alarm Delay(Second)	Configure Alarm Delay Timer. (in Second)
Copy to another IPC	Click to copy the alarm configuration to other IP cameras.

Alarm Configuration

Tree types of alarm are available on the GVR355X:

- Motion Detection
- Signal Loss
- IPC IO alarm

Motion Detection

To trigger GVR Alarms using GDS3710 Motion Detection, please follow steps below:

1. On the GDS3710 webGUI under "**Alarm Config > Alarm Events Config**" click on "Enable Motion Detection" and set a "Config Region" as well as Alarm Schedule and Action shown below.

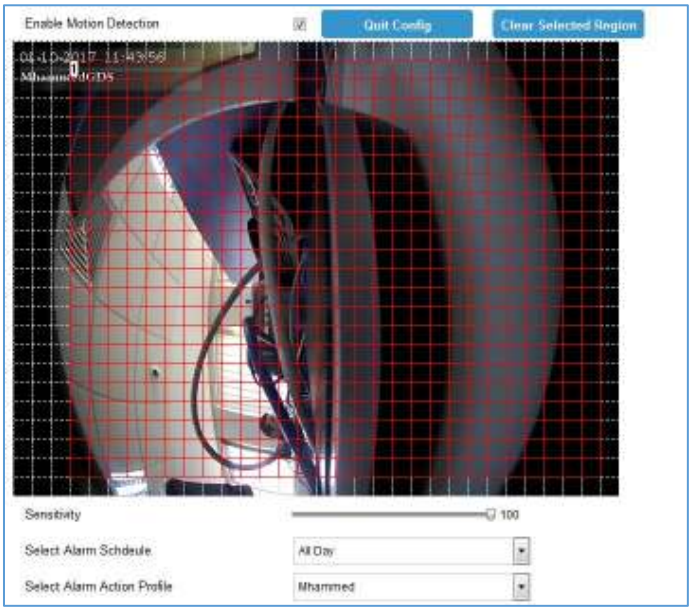


Figure 6: GDS3710 Motion Detection

2. On the GVR side, under "**Settings > Camera Management > Camera Event Settings**" select the desired GDS.
3. Set the "Event Type" to "Motion detection".
4. Click on "Alarm Enable".
5. Select the "Alarm Action" from the available checkbox's.
6. Click "Save" to save and apply the new settings.

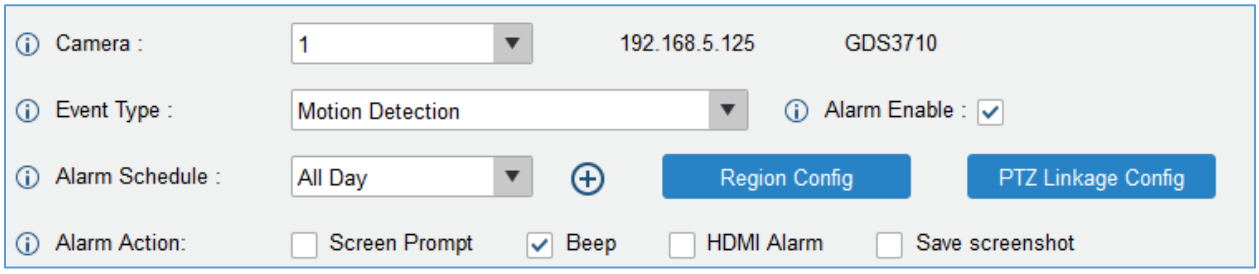


Figure 7: Motion Detection on the GVR355X

Signal Loss

Signal Loss alarm will be triggered when the GVR loose connection with the connected GDS. To trigger GVR Alarms using Signal Loss, please follow steps below:

1. On the GVR under "**Settings > Camera Management > Camera Event Settings**" select the desired GDS.
2. Set the "Event Type" to "Signal Loss".
3. Click on "Alarm Enable".
4. Select the "Alarm Action" from the available checkbox's.
5. Click "Save" to save and apply the new settings.

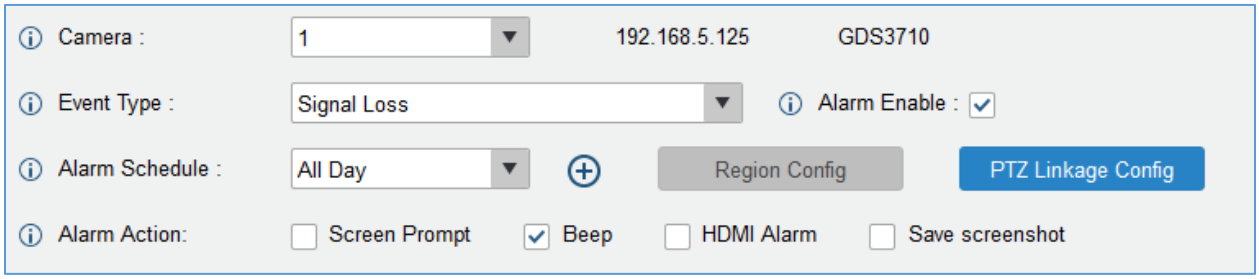


Figure 8: Signal Loss on the GVR355X

IPC IO Alarm

The GVR355X supports IO alarms as well, it can receive input from GDS for instance or send output to it, this can be configured by following steps below:

1. On the GVR under "**Settings > Camera Management > Camera Event Settings**" select the desired GDS.

2. Set the “Event Type” to “IPC IO Alarm”.
3. Click on “Alarm Enable”.
4. Select the “Alarm Action” from the available checkbox’s.
5. Click “Save” to save and apply the new settings.

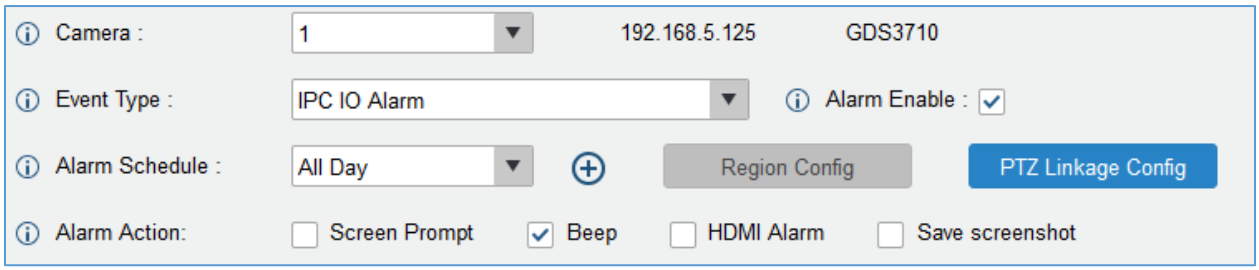


Figure 9: IO Alarm on GVR355X

The steps above are intended to activate the GVR355X IO Alarm. To configure the alarms, following steps need to be set:

1. Navigate under “**Settings > Alarm Config > IO Alarm Config**”.
2. Select the “Input Port” and “Alarm Status”.
3. Click on “Alarm Enable” to activate the config.
4. On the “Port Input Alarm” section, set the “Alarm Schedule” and “Port Name”.
5. Select the “Alarm Action”.
6. If output signals are needed, select port 1 or 2 for “Alarm Output”.
7. Click on “Save” to save and apply the new settings.

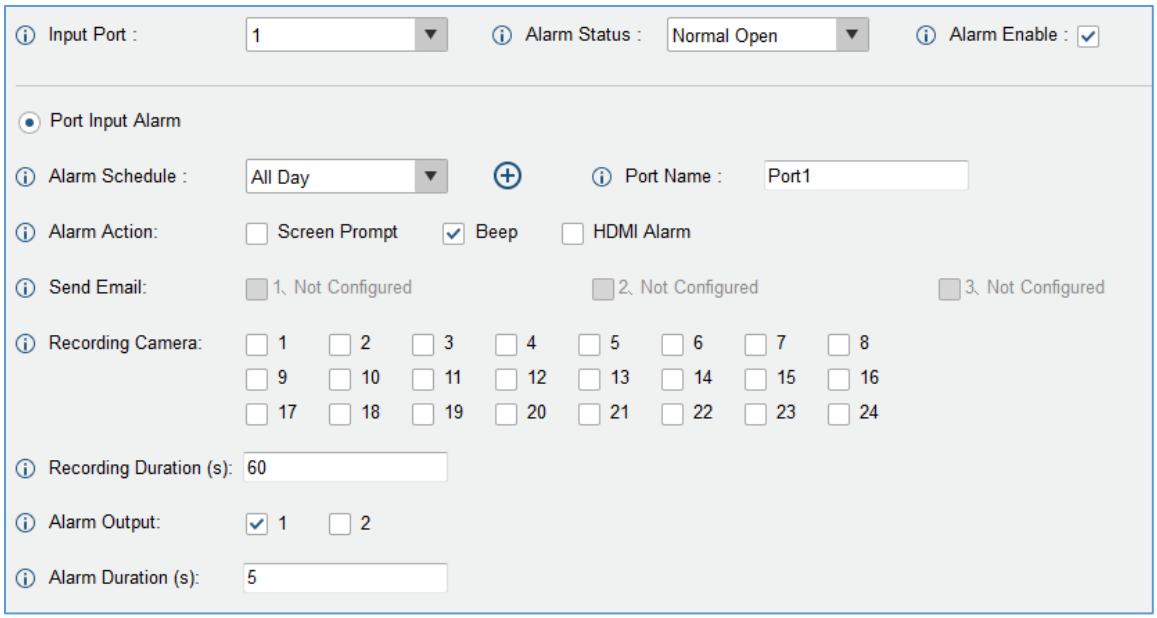


Figure 10: GVR3550 Alarm Config

The following example illustrates Input/Output ports on the GVR355X.

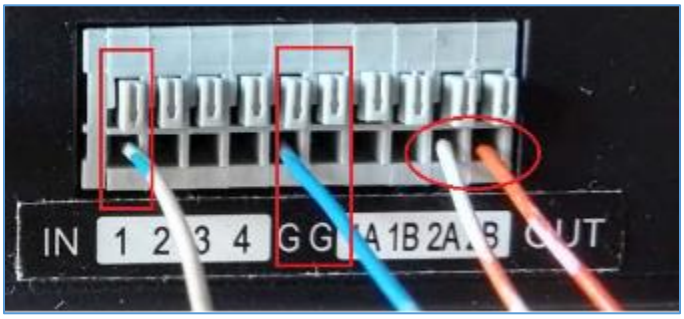


Figure 11: GVR 355X IO Example

The following figure illustrates Output ports on GDS3710:

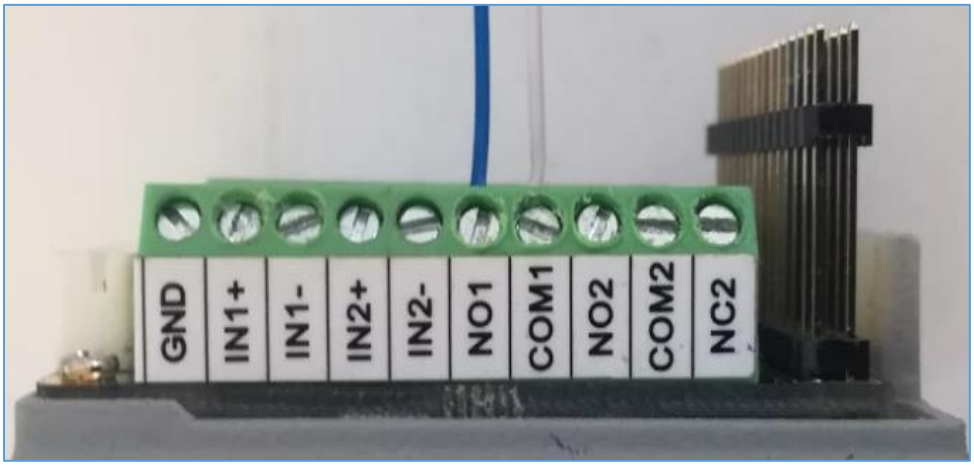


Figure 12: GDS3710 Output