

Grandstream Networks, Inc.

GDS3710 - Hemispheric HD IP Video Door System

User Manual



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WARNING

Please do not use a different power adaptor with your devices as it may cause damage to the products and void the manufacturer warranty.



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DOCUMENT PURPOSE

This document describes the basic concept and tasks necessary to use and configure your GDS3710. And it covers the topic of connecting and configuring the GDS3710, making basic operations and the call features. Please visit <http://www.grandstream.com/support> to download the latest “GDS3710 User Guide”.

This guide covers following topics:

- [PRODUCT OVERVIEW](#)
- [GETTING STARTED](#)
- [GETTING TO KNOW GDS3710](#)
- [GDS3710 APPLICATION SCENARIOS](#)
- [GDS3710 HOME WEB PAGE](#)
- [GDS3710 SETTINGS](#)



CHANGE LOG

This section documents significant changes from previous versions of user guide for GDS3710. Only major new features or major document updates are listed here. Minor updates for corrections or editing are not documented here.

Firmware Version 1.0.0.13

- This is the initial version for GDS3710.



WELCOME

Thank you for purchasing Grandstream's GDS3710 Hemispheric HD IP Video Door System, an innovative IP based powerful video door system.

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. The GDS3710 IP video door system features industry-leading SIP/VoIP for 2-way audio and video streaming to smart phones and SIP phones. It contains integrated PoE, LEDs, HD loudspeaker, RFID card reader, motion detector, lighting control switch and more.

GDS3710 HD IP Video Door System can be managed by Grandstream's free window based management software: GDS Management Software, a client/server based software which provided RFID card management and basic reports for the door entrance.

Along with Grandstream videophone, mobile Apps, and Network Video Recorder (NVR), the GDS3710 provides a powerful recording and monitoring solution. It can be managed with GSURF Pro or any ONVIF-compliant video management system. It also offers a flexible HTTP API for easy integration with 3rd party applications and other surveillance systems.

GDS3710 is ideal for entry places required wide angle monitoring, such as banks, hotels, schools, office building, retail stores and small warehouses, also good for small to median sized enclosed environments.




PRODUCT OVERVIEW

Feature Highlights

The following table contain the major features of the GDS3710.

Table 1: GDS3710 Features in a Glance

	<ul style="list-style-type: none"> • High-performance streaming server allowing multiple simultaneous streaming session accesses. • 2 Megapixel Progressive Scan CMOS, 1920H x 1080V. • Broad interoperability with most 3rd party SIP/VoIP devices and leading SIP/NGN/IMS platforms. • 2 Channels Input/Output alarm. • RS485, Wiegand Input and Output. • RFID card reader. • Weather proof, vandal resistant.
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Technical Specifications

The following table resumes all the technical specifications including the protocols / standards supported, voice codecs, telephony features and upgrade/provisioning settings for GDS3710.

Video Compression	H.264 High/Main/Base Profile, MJPEG
Image Sensor Resolution	1/2.7", 2 Megapixel Progressive Scan CMOS, 1920H x 1080V
Shutter	1/10000 – 1/30 second, Auto
Lens Type	2.8 mm, F2.5
FOV	180°(W) x 180°(H)
Day & Night Mode	White LEDs with smart brightness control algorithm
Minimum Illumination	0.5Lux
Wide Dynamic Range	Yes, up to 120dB
Max. Resolution, Frame Rate	1920x1080 (30fps)
Multi-stream Resolution	<p>High-performance streaming server allowing multiple simultaneous streaming session accesses</p> <p>Primary video stream: 1920*1080 resolution for continuous full HD recording</p> <p>Secondary video stream: 640*480 resolution for SIP/VoIP video calls</p> <p>Third video stream: 320*240 resolution for smartphone Apps</p>



SIP/VoIP Support	Yes, broad interoperability with most 3 rd party SIP/VoIP devices and leading SIP/NGN/IMS platforms
Audio Compression / Vocodexs	G.711 μ /a law; G.722; in-band and out-of-band DTMF (In Audio, RFC2833, SIP INFO); AEC
Audio Input	Built-in Digital Microphone, up to 1.5m with good AEC
Audio Output	Built-in HD Loudspeaker, up to 3m with good loudness
Alarm Input	Yes, 2 channels, Vin < 15V, for door sensor or other devices
Alarm Output	Yes, 2 channels, 125VAC/0.5A, 30VDC/2A, Normal Open or Normal Close, for electric lock, light switch or other devices
Key Pad / Buttons	12-key touchpad plus a capacitive “Door Bell” button, each with individual LED illumination
RFID	125KHz: EM4100 (2 RFID cards included)
Expansion Interface	RS485, Wiegand Input and Output
Snapshots	Triggered upon Events, Send via email and/or FTP
Embedded Analytics	Motion Detection (up to 8 target areas)
Pre-/post-alarm Recording	Yes (after Beta)
Privacy Mask Support	Yes, 4 Zones (May remove, not useful)
Time-Lapse Recording	Yes (after Beta)
Network Interface	10M/100M auto-sensing
Network Protocol	TCP/IP/UDP, RTP/RTCP, HTTP/HTTPS, ARP/RARP, ICMP, NTP, DNS (A Record, SRV, NAPTR), DHCP, PPPoE, SSH, SMTP, TFTP, STUN, SIMPLE, LLDP-MED, LDAP, 802.1x, TLS, SRTP
QoS	Layer 2 QoS (802.1Q, 802.1P); Layer 3 QoS (ToS, DiffServ, MPLS)
Security	User and administrator level access control, MD5 and MD5-sess based authentication, 256-bit AES encrypted configuration file, TLS, SRTP, HTTPS, 802.1x media access control
Upgrade/ Provisioning	Firmware upgrade via TFTP/HTTP/HTTPS, mass provisioning using TR-069 (Pending) or AES encrypted XML configuration file
Ingress Protection Protection Class	Weather proof, vandal resistant (with support for extra back reinforcing metal plate) IP65, IK06
Power Supply	PoE (Power over Ethernet) IEEE 802.3af Class 3, or 12VDC/1A connection (AC power adapter not included)
Weight	0.6kg
Dimensions (H x W x D)	173mm(H) x 80mm(W) x 36mm(D)
Temperature / Humidity	Operation: -30°C to 55°C (-22°F to 131°F) Storage: -35°C to 60°C (-31°F to 140°F) Humidity: 10% to 90% Non-condensing



Compliance

Part 15, Subpart B Class B; Part 15C, MPE; EN55022 Class B, EN61000-3-2, EN61000-3-3, EN50130, EN60950-1, EN 300328, EN300330, EN62479, EN 301489, EN302291, EN50364, EN60529; AS/NZS CISPR22 and AS/NZS4268, AS/NZS 60950



GETTING STARTED

This chapter provides basic installation instructions including the list of the packaging contents and also information for obtaining the best performance with the GDS3710 Video Door System.

Equipment Packaging

Table 2: Equipment Packaging

GDS3710
<ul style="list-style-type: none">• 1 x GDS3710• 1 x Installation Bracket• 1 x Drilling Template• 4 x Bracket Screws and Anchors (2 Sets 4 Each)• 3 x Rubber Gaskets (for sealing the back cable)• 4 x Back Panel Screws• 2 x Anti-tamper screws• 1 x Anti-Tamper Hex Key• 2 x RFID cards (more can be purchased from Partner/reseller)• 1 x Quick Installation Guide• 1 x GPL License



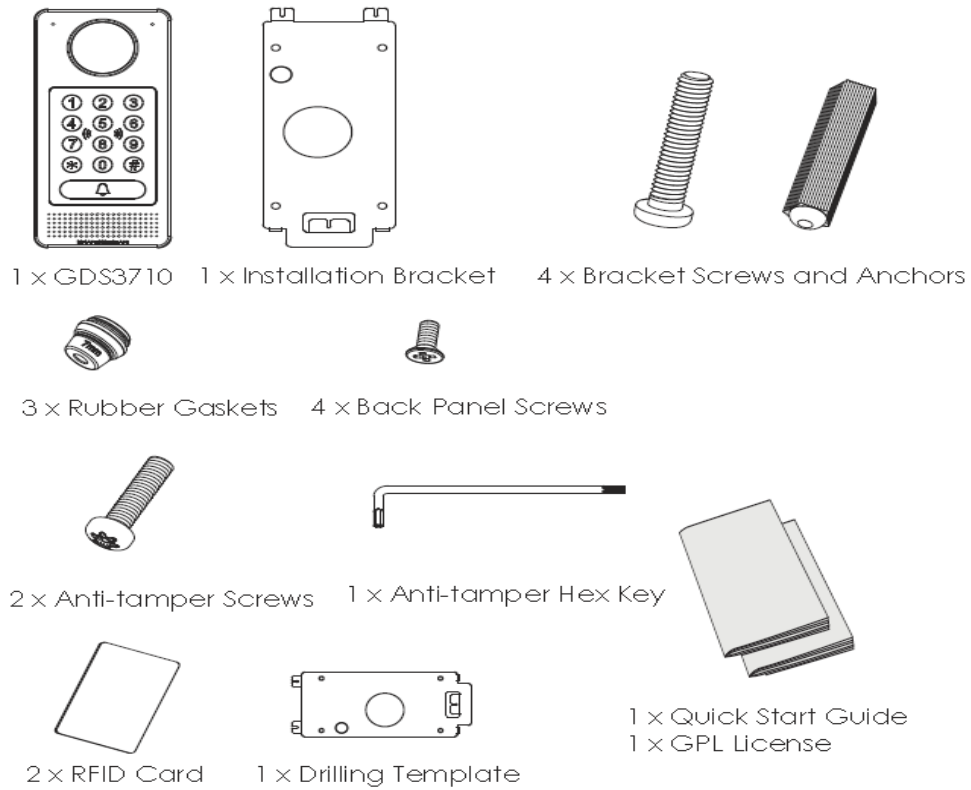


Figure 1: GDS3710 Package

Note: Check the package before installation. If you find anything missing, contact your system administrator

Description of the GDS3710

Below Figures contains the component of the back and front view of GDS3710 IP Video Door System:

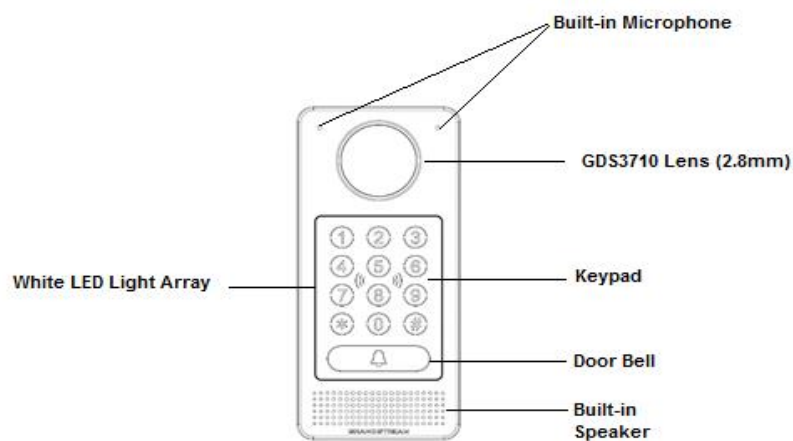


Figure 2: GDS3710 Front View



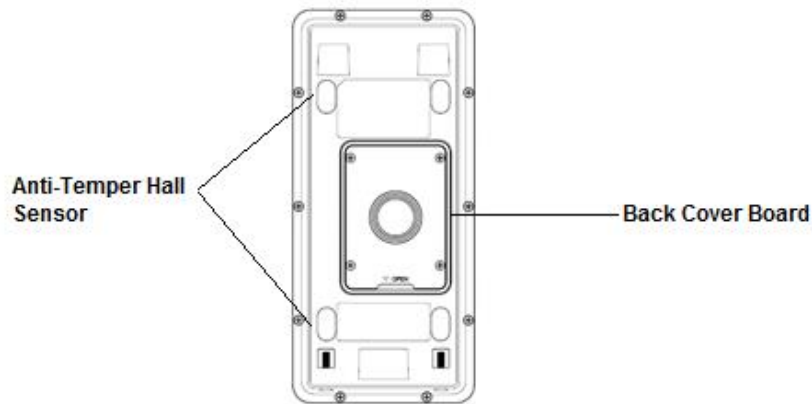


Figure 3: GDS3710 Back View

Connecting and setting up the GDS3710

The GDS3710 can be powered using PoE or PSU:

Using PoE as power supply (Suggested)

- Connect the other end of the RJ45 cable to the PoE switch.
- PoE injector can be used if PoE switch is not available.

Using the Power Adapter as power supply (PSU not provided)

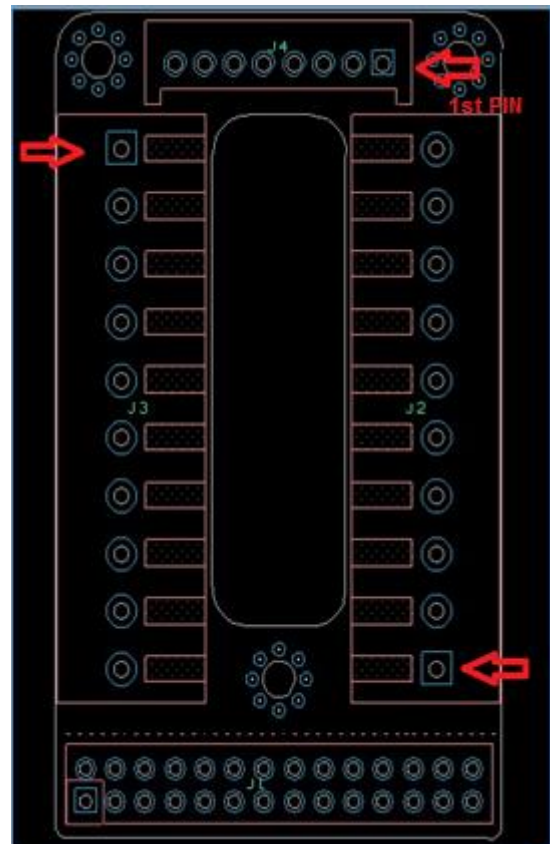
- Connect the other end of the RJ45 cable to network switch or router.
- Connect DC 12V power source via related cable to the corrected PIN of the GDS3710.

Below Tables provide description of wiring connection in order to connect the GDS3710 with RJ45 cable and PSU and Alarm for door systems.



Table 3: Connecting PINS

Jack	Pin	Signal	Function
J2 (basic) 3.81mm	1	TX+	Ethernet, PoE
	2	TX-	
	3	RX+	
	4	RX-	
	5	POE_SP2	Power Supply
	6	POE_SP1	
	7	RS485_B	RS485
	8	RS485_A	
	9	GND	Power Supply
	10	12V	
J3 (advanced) 3.81mm	1	GND	Alarm Ground
	2	ALARM1_IN+	Alarm In
	3	ALARM1_IN-	
	4	ALARM2_IN+	
	5	ALARM2_IN-	
	6	NO1	Alarm Out
	7	COM1	
	8	NO2	Electric Lock
	9	COM2	
	10	NC2	
J4 (special) 2.00mm	1	GND	Wiegand Out
	2	WG_D1_OUT	
	3	WG_D0_OUT	
	4	LED	Wiegand In
	5	WG_D1_IN	
	6	WG_D0_IN	
	7	BEEP	
	8	5V	Wiegand Power



Connection Example

In order to connect the GDS either by using PoE or PSU follow steps below:

Open the Back Cover Board of the GDS3710 which should look like following figure.

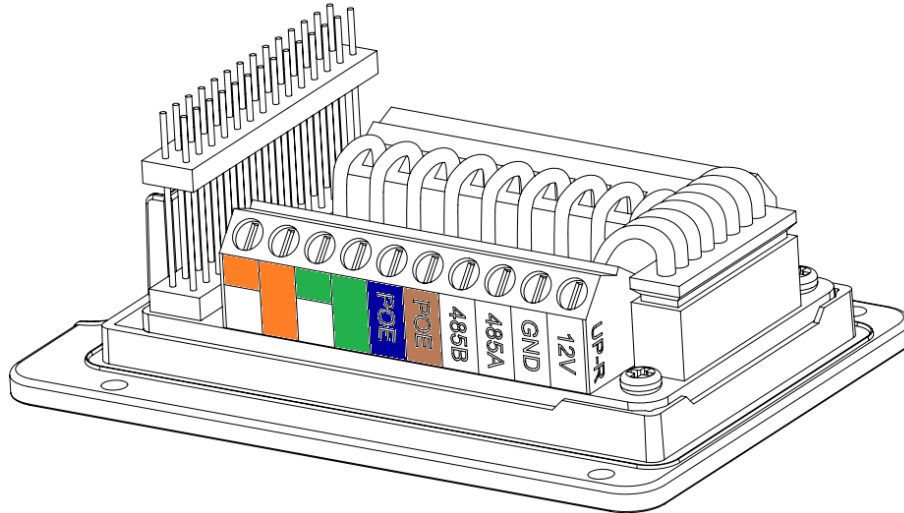


Figure 4: GDS3710 Back Cover

1. Power the unit using PoE

Cut into the plastic sheath of your RJ45 cable, then Unwind and pair the colors like shown below.

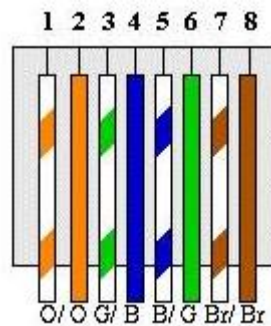


Figure 5: RJ45 Wires

Connect each color of the RJ45 to its associate on the Back Cover of the GDS3710, this way user can power the unit using PoE.

2. Power the unit using PSU

In order to power the unit using PSU, use a multimeter to detect the polarity of your Power Supply, then connect GND to negative pole and 12V to positive pole of the PSU.



Note: If the user doesn't have PoE switch, there's no need to connect the Blue and Brown wire to the GDS3710 since its used to power the unit via Ethernet.

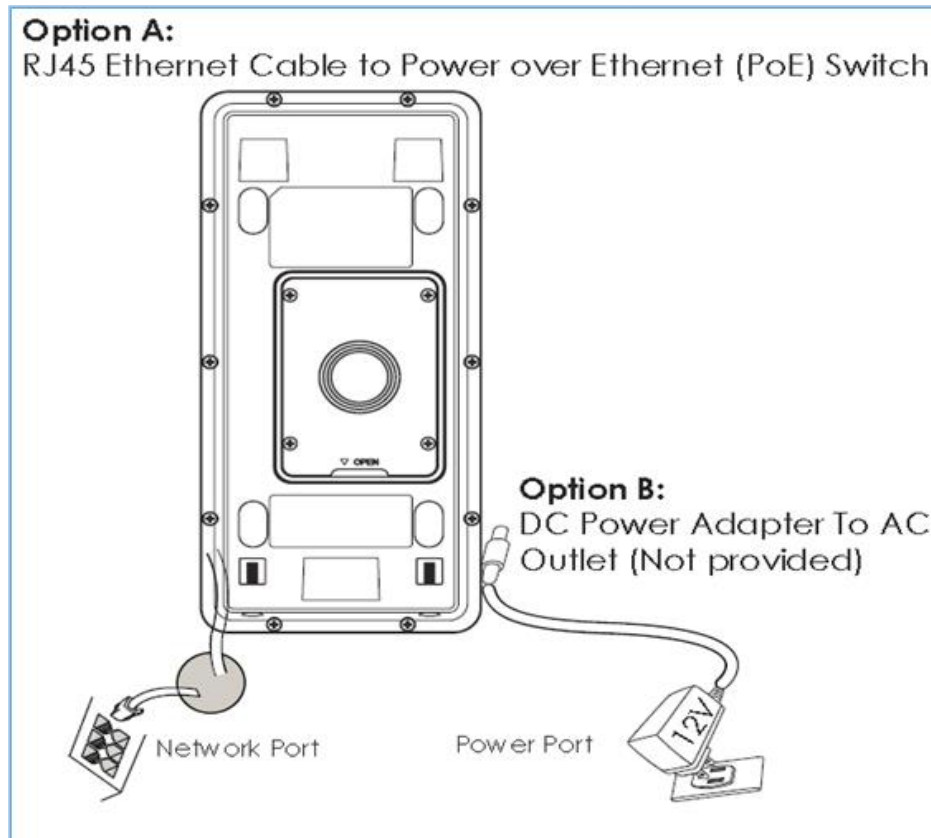


Figure 6: Powering the GDS3710

Minimum Recommended Computer System Requirement

To install GDS3710, you need a computer with following system requirements:

- Windows7, Windows 8 or Windows 10
- CPU: Intel Core i3 or higher
- RAM: 4 GB (8 GB recommended for larger systems)



GETTING TO KNOW GDS3710

The GDS3710 has an embedded Web server to respond to HTTP GET/POST requests. Embedded HTML pages allow user to configure the GDS3710 through Microsoft Internet Explorer, or Firefox and Chrome (plug-in from Grandstream required).

1. Download WebControl Plug-in from Grandstream website:

http://www.grandstream.com/products/tools/surveillance/webcontrl_plugin.zip

For Apple platform OS-X, only MJPEG video coded supported currently.

Notes:

- Please temporarily disable Antivirus or Internet Security Software when download and install the Grandstream WebControl Plug-in for Firefox/Chrome or “GSViewerX.cab” for Microsoft Internet Explorer. Please close Browser to install the downloaded Plug-in or Active-X.
- Please trust and install the file downloaded if prompted by the Antivirus or Security software.

Connect the GDS3710 to network with DHCP Server (Recommended)

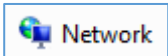
The GDS3710 by default has the DHCP client enabled, it will automatically get IP address from the network running DHCP server.

Windows Platform

Two ways exist for Windows user to get access to the GDS3710:

1. UPnP

By default, the GDS3710 has the UPnP feature turned ON. For customers using Windows network with UPnP turned on (most SOHO router support UPnP), it is very easy to access the GDS3710:

- Find the “Network” icon  on the windows Desktop.
- Click the icon to get into the “Network”, the GDS3710s will list as “Other Devices” shown like below. Refresh the pages if nothing displayed. Otherwise, the UPnP may not active in the network.



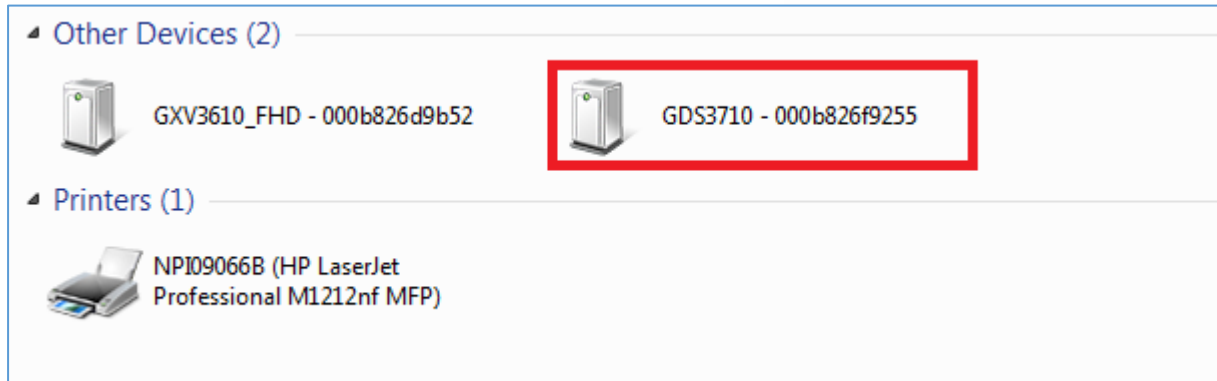


Figure 7: Detecting GDS3710 via UPnP

- Click the displayed icon of related GDS3710, the default browser (e.g.: Firefox or Chrome) will open and connect directly to the login webpage.



Figure 8: GDS3710 Login Page

- Once log in, the prompt message will display asking for plug-in installation.
- Disable security or antivirus software, download and install the plug-in, close and open the browser again, the embedded video will be displayed if clicking the “LiveView” and click the stream number.

2. GDSManager Utility Tool

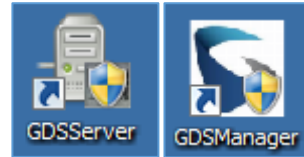
User can know the IP address assigned to the GDS3710 from DHCP server log or using the Grandstream GDS Manager after installing this free utility tool provided by Grandstream. Below user can find instructions for using “GDS Manager” utility tool:


- Download the GDS Manager utility tool from Grandstream website:

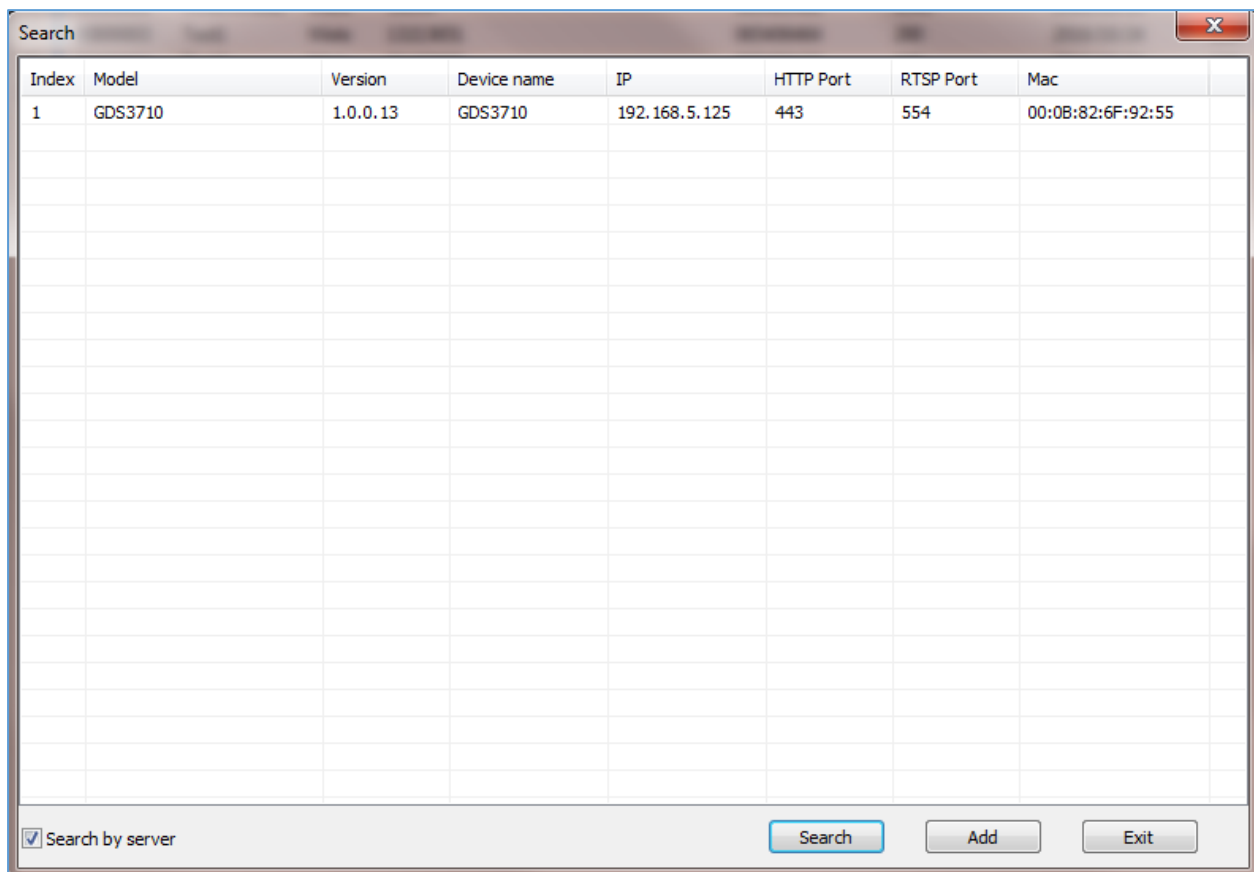
<http://www.grandstream.com/products/tools/surveillance/GDSManager.zip>



2. Install and run the Grandstream GDS Manager, a client/server architecture application, the server should be running first, then GDSManager (client) after:



3. Click on the  tab on the left side of “Function Navigation” panel to begin device detection
4. The detected devices will appear in the output field like below:



Index	Model	Version	Device name	IP	HTTP Port	RTSP Port	Mac
1	GDS3710	1.0.0.13	GDS3710	192.168.5.125	443	554	00:0B:82:6F:92:55

Search by server Search Add Exit

Figure 9: GDS3710 Detection

5. Double click the column of the detected GDS3710, the browser will automatically open and show the device’s web configuration page.
6. The browser will ask for plug-in if not installed, please authorize the installation of the plug-in.
7. Enter the administrator user name and password to access the Web Configuration Interface, the default user name and password are both set to **admin**.
8. The plug-in can be download here:

http://www.grandstream.com/products/tools/surveillance/webcontrl_plugin.zip



Apple Platform

For Apple users, please turn on Bonjour of Safari to find and access the GDS3710.

1. Open Safari, select “Advanced” to open the Advanced Setting.
2. Click “Include Bonjour in the Bookmarks menu” and “Include Bonjour in the Favorites bar” then close the setting page and back to Safari.

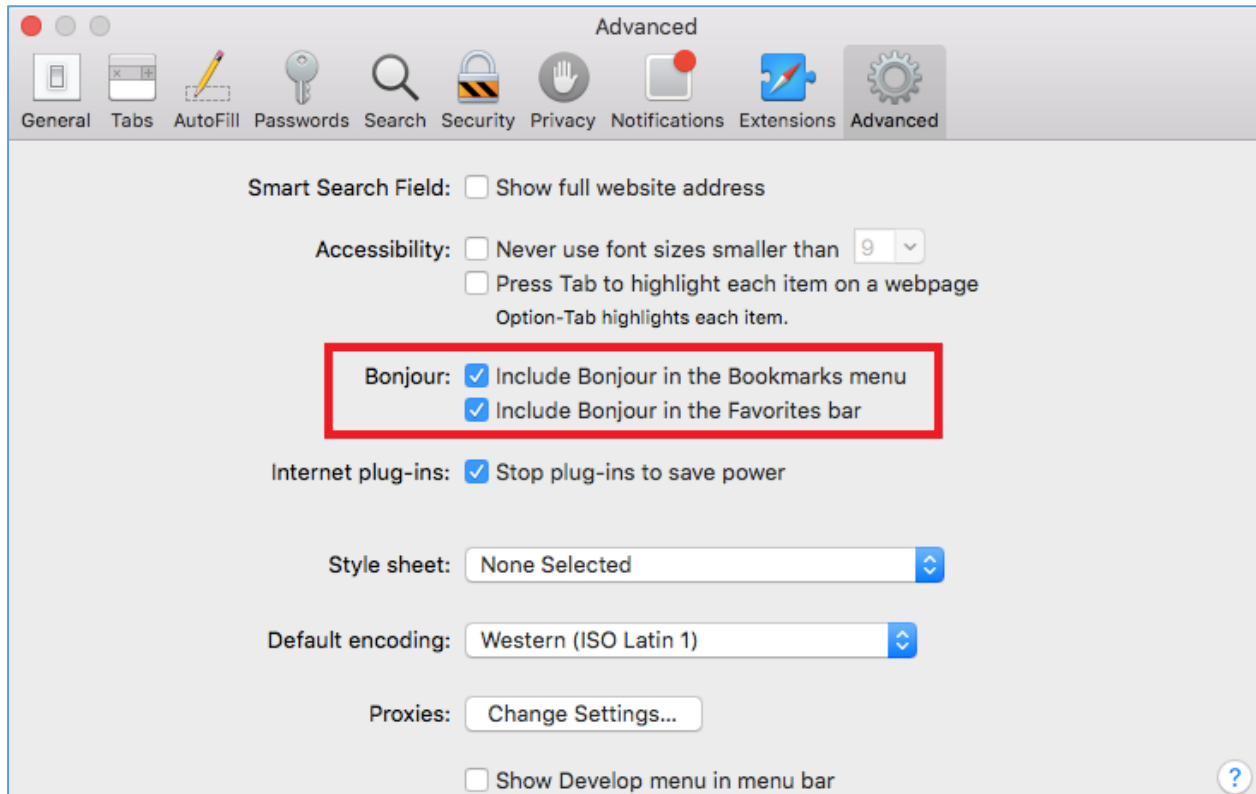


Figure 10: Apple Safari Settings Page

3. Bonjour will now display embedded at Safari. Select “Bonjour” pull-down menu and select “Webpages”, the related device like GDS3710 will be there.

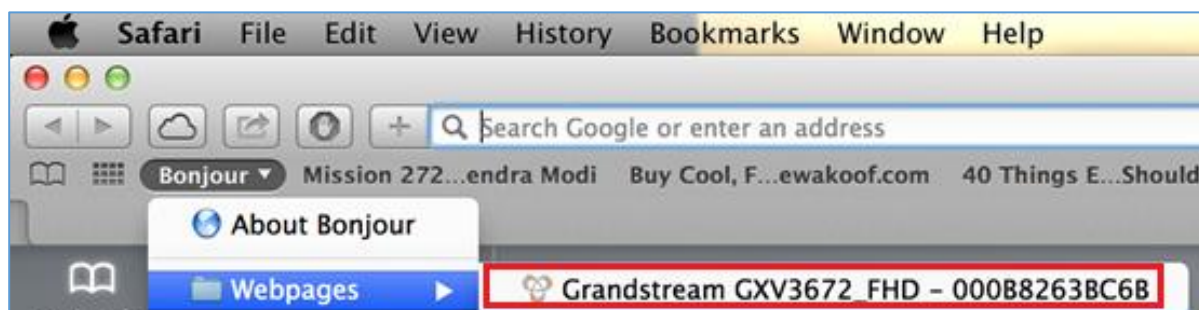


Figure 11: Bonjour Setting Page

4. Click the displayed GDS3710 to access to the configuration page of the GDS3710.
5. To see the video, user has to change the video codec from default H.264 to **MJPEG**, and type in following to URL:



http://IP_Address_GDS3710:Port/mjpeg/mjpegX.html

(X: 0, 4, 8 represent 1st, 2nd and 3rd stream, Default Port: 80)



Figure 12: MJPEG Stream

Note:

- The instructions provided above are based on Safari/OS-X, other Apple platform like iOS (iPhone/iPad) can use similar method.



- iPhone/iPad (iOS) users are recommended to use Applications in Apple Store.
- Free or Paid applications from Apple Store like "IP Cam Viewer" is suggested and verified working with Grandstream GDS3710.
- Apple Store applications like "IP Cam Viewer" will support H.264 video codec.



Connect to the GDS3710 using Static IP

If there's no DHCP server in the network, or the GDS3710 does not get IP from DHCP server, user can connect the GDS3710 to a computer directly, using static IP to configure the GDS3710.

1. The default IP, if no DHCP server, or DHCP offer time out (after 3 minutes), is 192.168.1.168
2. Connect the RJ45 cable from GDS3710 to the computer network port directly.
3. Configure the computer using Static IP: 192.168.1.XXX (1<XXX<255, except for 168) and configure the "Subnet mask" to "255.255.255.0". Leave the "Default Gateway" to "Blank" like below:

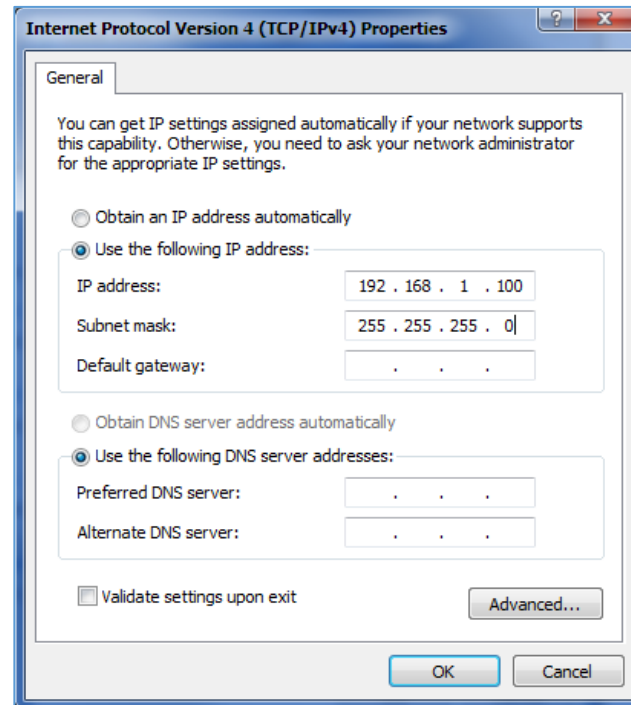


Figure 13: Static IP on Windows

4. Power on the GDS3710, using PoE injector or external DC power.
5. Start the browser when the network connection is up.
6. Enter 192.168.1.168 in the address bar of the browser, log in to the device with admin credentials. The default user name and password are both set to **admin**.
7. The browser will ask for plug-in or ActiveX if not installed, otherwise it will get to Home page and show web interface of GDS3710.
8. Access the Web Configuration Interface. IE will indicate that "This website wants to install the following add-on: GSViewerX.cab from Grandstream Networks Inc.", allow the installation.
9. Firefox, Chrome users need to download and install the following plug-in to see the video, the plug-in can be downloaded using this link:

http://www.grandstream.com/products/tools/surveillance/webcontrl_plugin.zip

Note:

Please temporarily disable Antivirus or Internet Security Software and close all browsers when download and install the Grandstream Plug-in Software.



GDS3710 APPLICATION SCENARIOS

The GDS3710 Door System can be used in different scenarios.

Peering Mode without SIP Server or Internet

For environment like remote warehouse/storage, grocery store, small (take-out) restaurants, just using static IP with PoE switch to form a LAN, using Grandstream's video phone GXV3240 or GXV3275, the GDS3710 will meet your very basic intercom, open door and surveillance requirement.

This is the solution to upgrade the traditional analogue Intercom and CCTV security system, all you need is a Power source, Switch or PoE Switch and Grandstream GXV3240 or GXV3275 video phones. The equipment list can be found below:

- GDS3710
- GXV3240 or GXV3275
- PoE Switch with related Cat5e/Cat6 wiring

Peering Using SIP Server (UCM61XX)

For Bigger architecture, multiple GDS3710 might be required, peered connection will not work in such case due to multiple connections. Such scenarios require an IPPBX or a SIP Proxy to accomplish the tasks.

If remote access is required, a router with internet access has to be added in. below needed equipment list:

- Several GDS3710
- UCM61XX or Other SIP Server
- GXV3240 or GXV3275 Video Phones
- PoE Switch with related Cat5e/Cat6 wiring
- Electronic Lock

If remote access to the GDS3710 is required for viewing live video stream, Internet access is required and more equipment such as:

- Router.
- Internet Access (Optical fiber, 3G, 4G, Cable or DSL).
- iPhone or Android phone with 3rd party applications (IP Cam Viewer for instance).



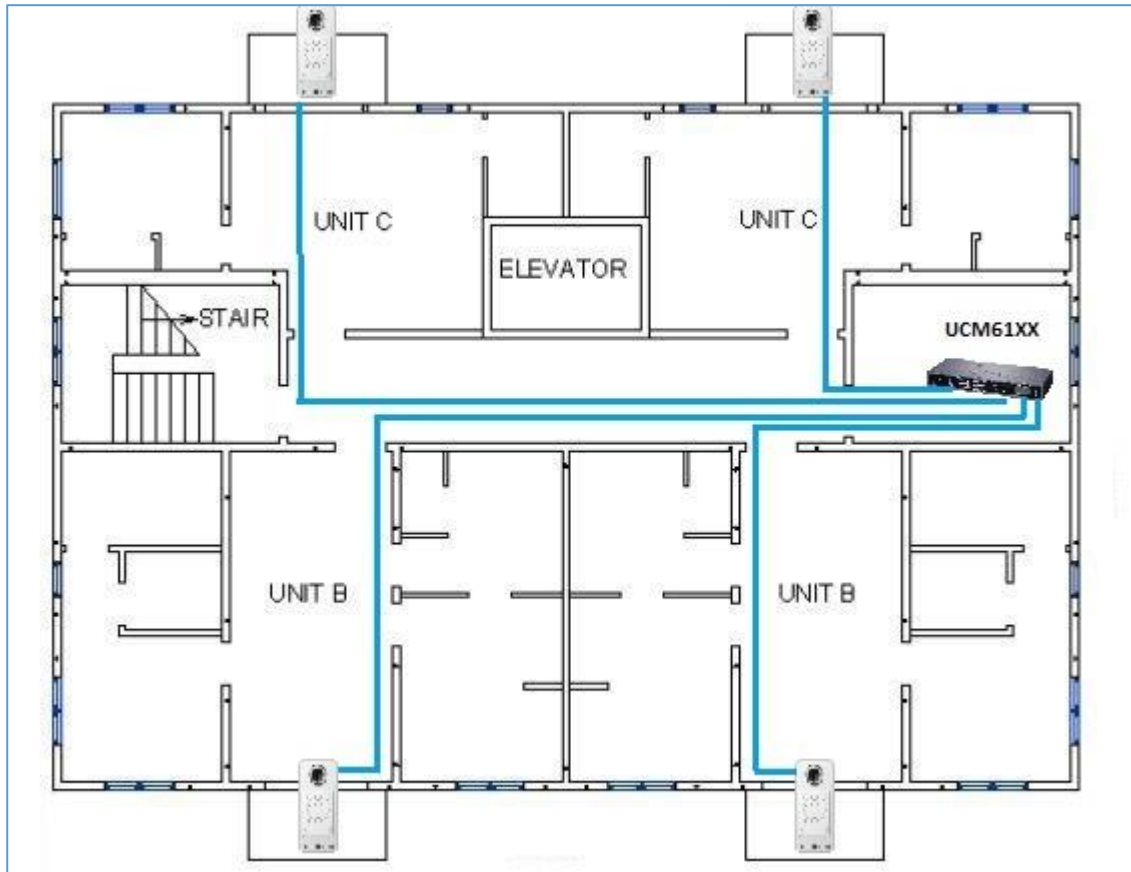


Figure 14: Peering GDS3710 With UCM61XX

Using a Network Video Recorder (GVR355X)

For implementation with more than two GDS3710s, if local video recording is required to store the record, then an NVR like GXV355X will be added to save all the video stream when people enter the door.

Equipment List:

- Several GDS3710
- GVR355X NVR
- PoE switches with Cat5e/Cat6 wiring
- Router
- Internet Access (Optical fiber, 3G, 4G, Cable or DSL).
- iPhone or Android phone with 3rd party APP



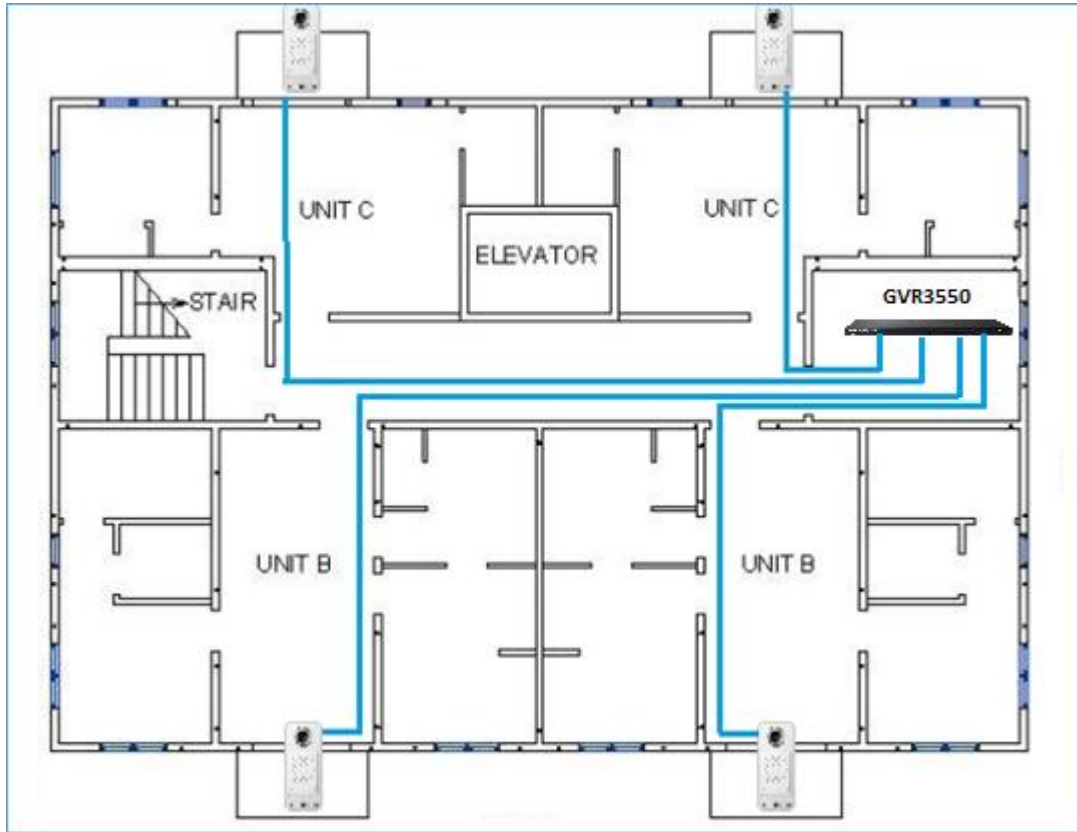


Figure 15: Peering GDS3710 With GVR3550

Peripheral Connections of GDS3710

Below is the illustration of GDS3710 peripheral connections for related application.



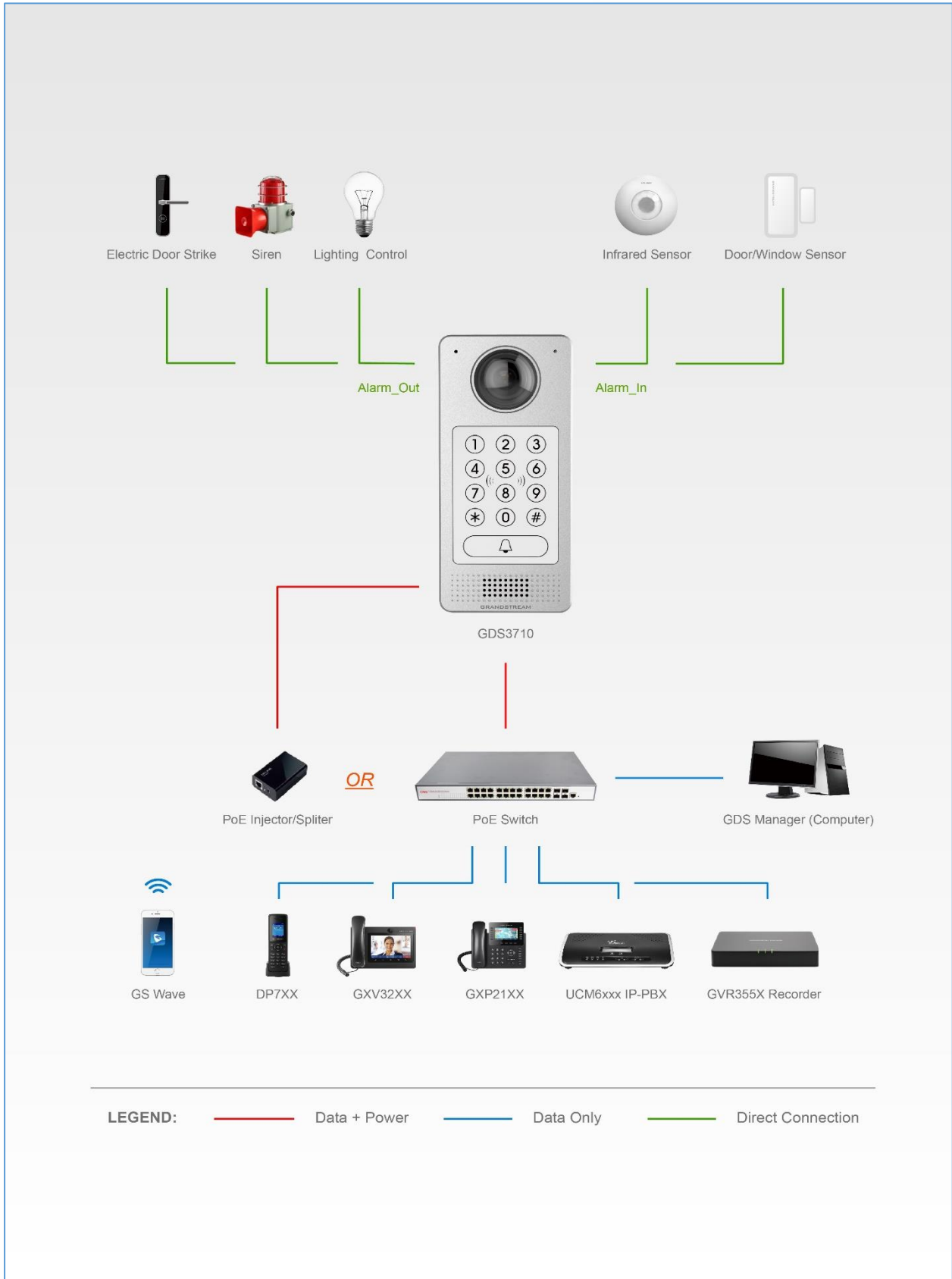


Figure 16: Peripheral Connections for GDS3710



Notes:

- Alarm_In could use any 3rd party Sensors (like IR Motion Sensor).
- Alarm_Out device could use 3rd party Siren and Strobe Light, or Electric Door Striker, etc.

Grandstream Video Phone can work with GDS3710 via either Peer IP (LAN) or SIP extension (WAN). Peer to Peer (or Direct IP) works only at LAN using static IP, SIP extension requires related SIP server/proxy provided and configured.

The Figure below shows a sample of the Connection Circuit for Alarm_In and Alarm_Out.

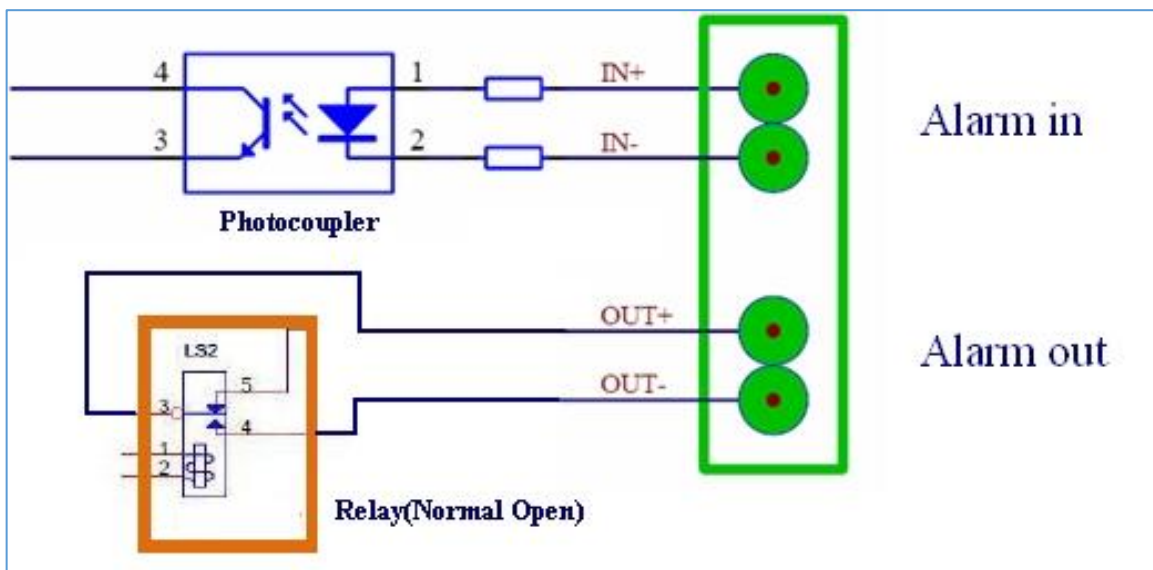


Figure 17: Alarm_In/Out Connection Circuit Sample for GDS3710

Note:

- The Alarm_In and Alarm_Out circuit connection has to be similar to above circuit diagram and meet following requirement:

Alarm Input	3V<Vin<15V, PINs (1.02KΩ)
Alarm Output	125VAC/0.5A, 30VDC/2A, Normal Open, PINs

- The Alarm_In circuit (like above photo coupler), if there is any voltage change smaller than 15V, as specification in the table above), the GDS3710 Alarm_In port will detect it and trigger the action and event.
- Higher voltage and wrong polarity connection are prohibited because this will damage the devices.

Connection Example

Below examples show how to use wiring on the backcover of the GDS3710 in order to connect with external devices. The “NO” model strike is used as example, “NC” should be similar and users need to decide which model (NO or NC) to be used on the door.



- GDS3710 Wiring Sample Using a 3rd Party Power Supply

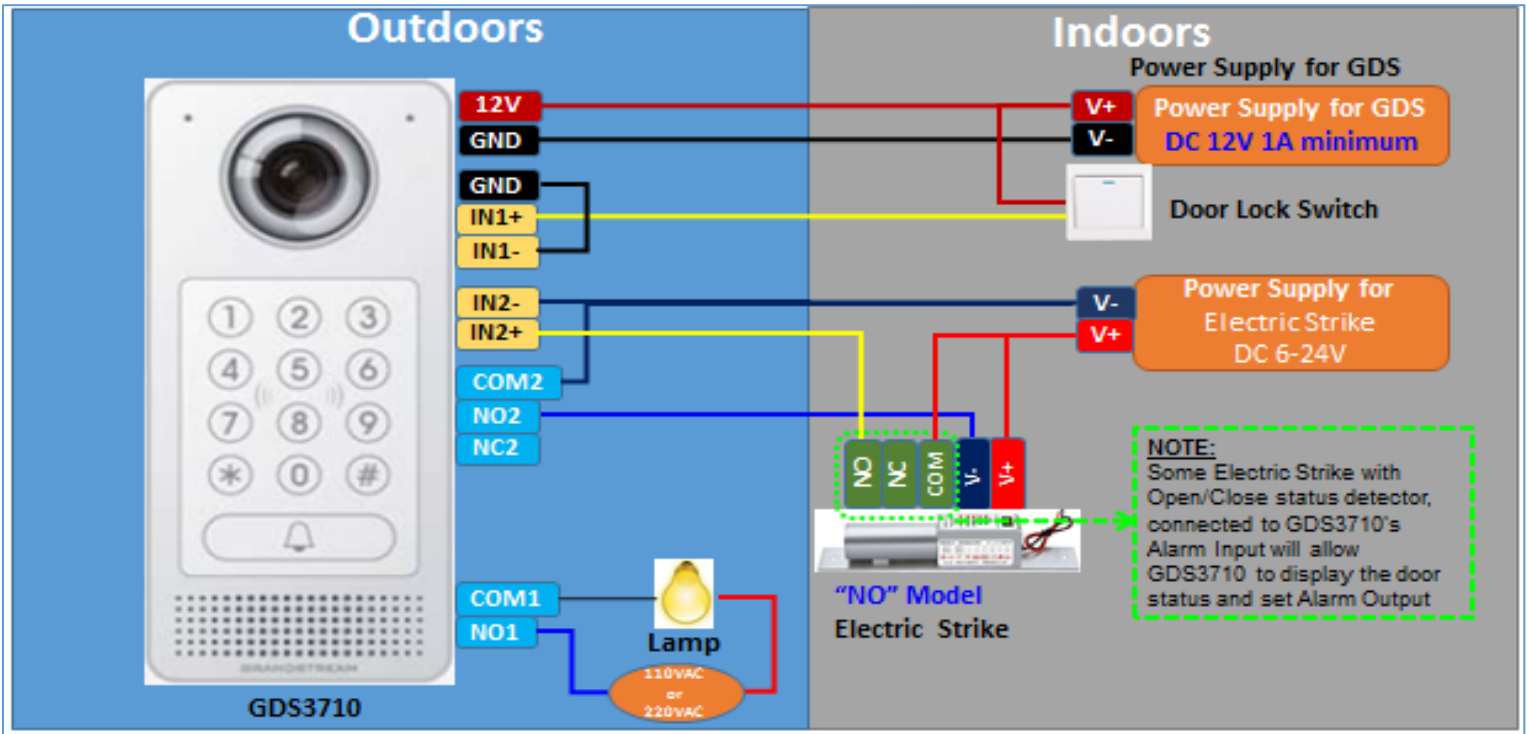


Figure 18: 3rd Party Power Supply Wiring Sample

- GDS3710 Wiring Sample Using Power Supply for Both GDS3710 and Electric Strike

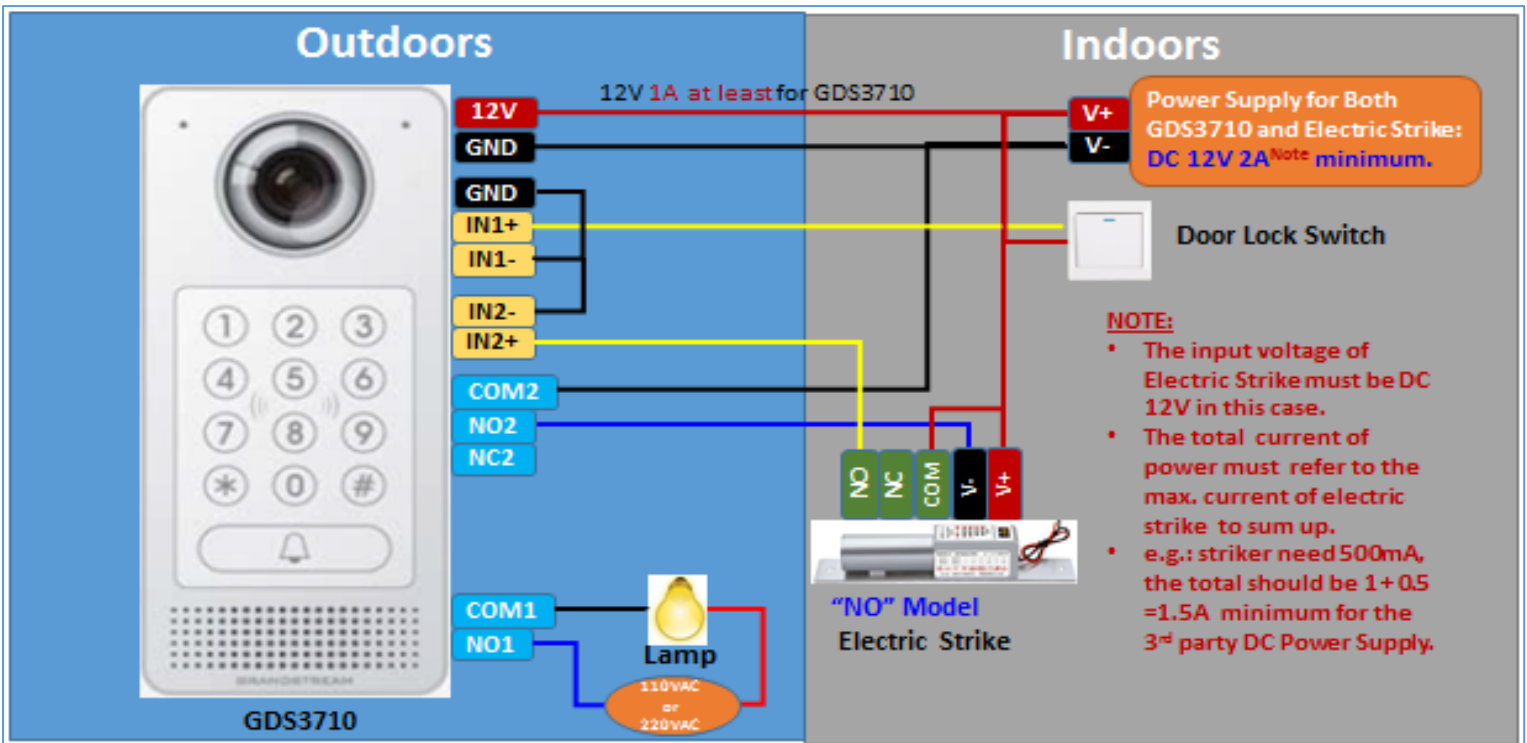


Figure 19: Power Supply Used for Both GDS3710 and Electric Strike



- Wiring Sample Using PoE to power GDS3710 and 3rd Party Power supply for Electric Strike

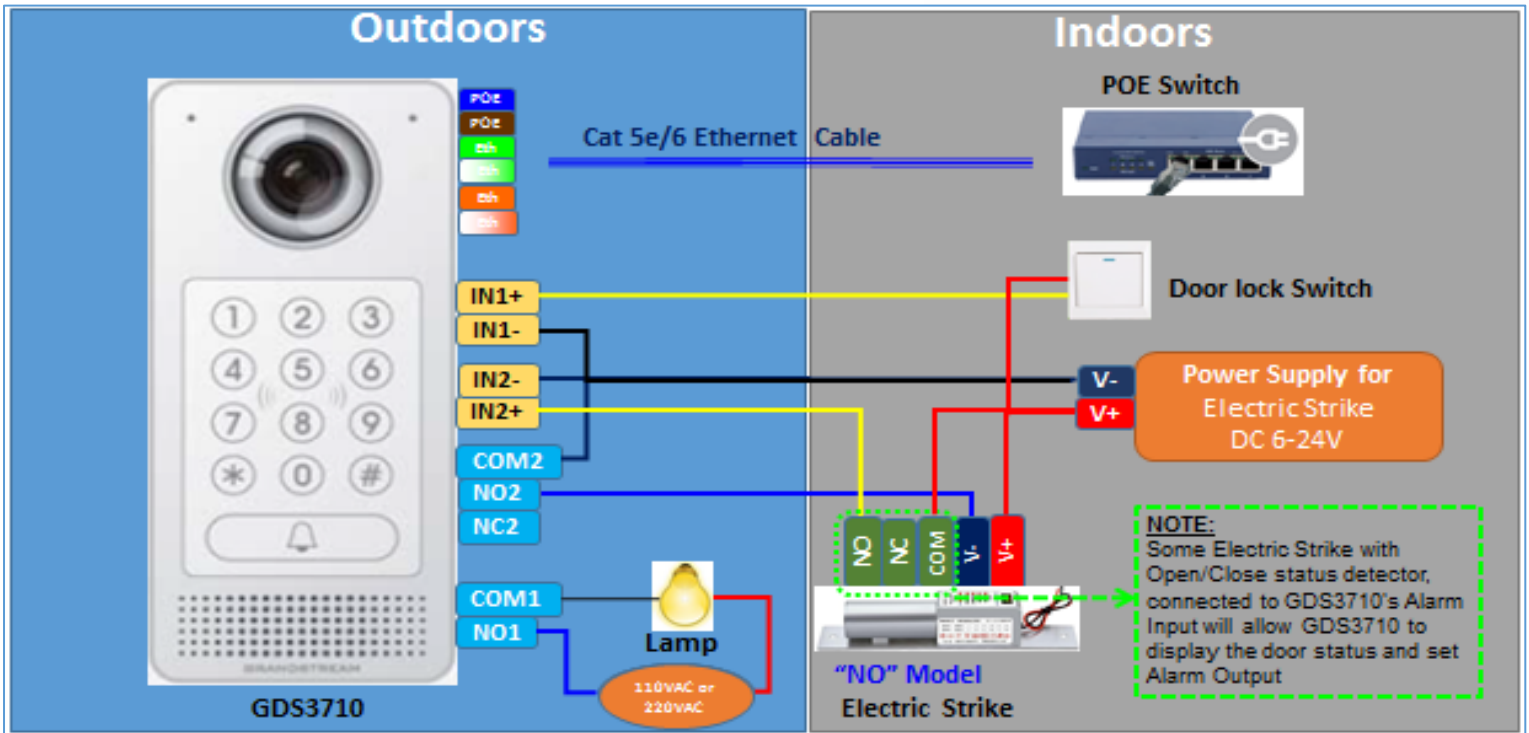


Figure 20: Wiring Sample Using PoE to power GDS3710 and 3rd Party Power supply for Electric Strike

- **Warning:** The following example should be avoided when powering the electric strike

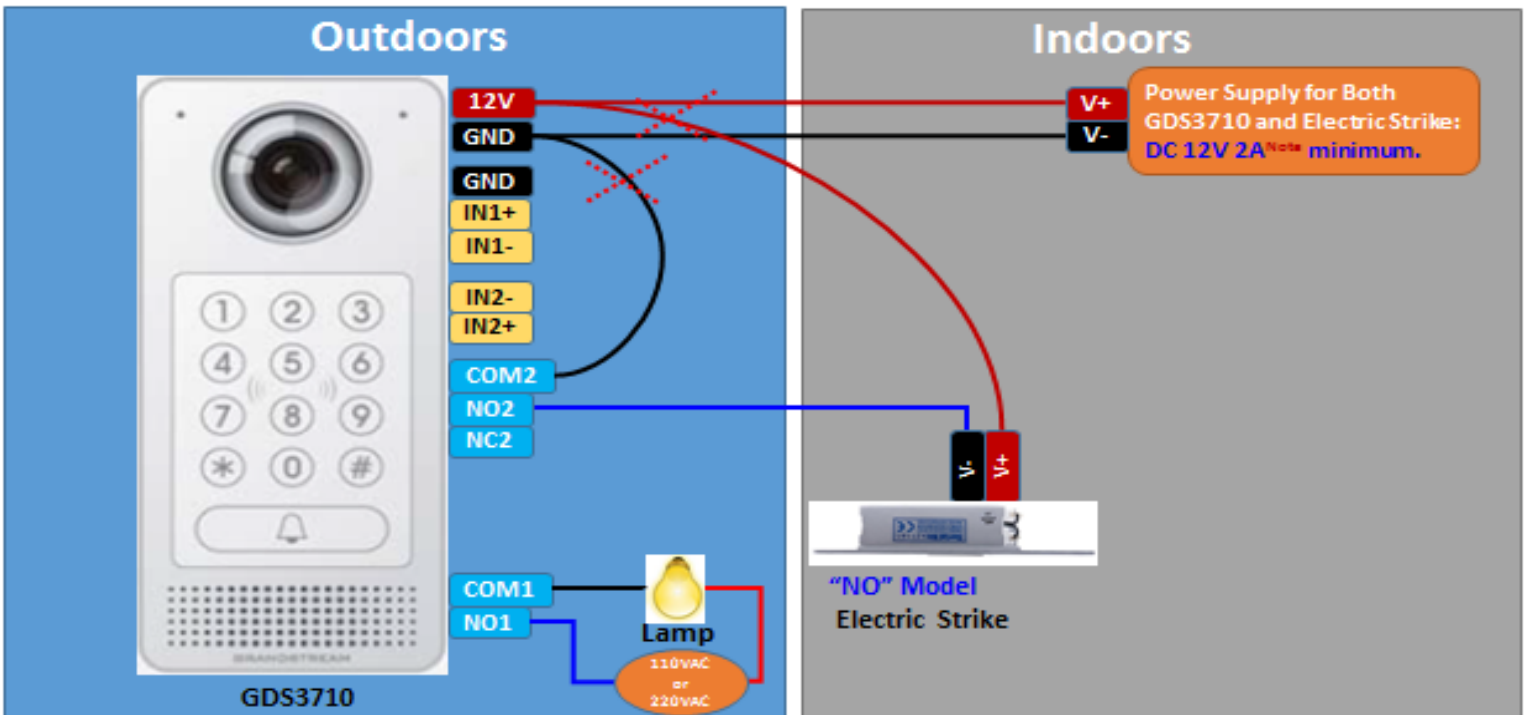


Figure 21: Example to Avoid When Powering the Electric Strike



GDS3710 HOME WEB PAGE

Once logged in successfully to the GDS3710, User will see the following page.

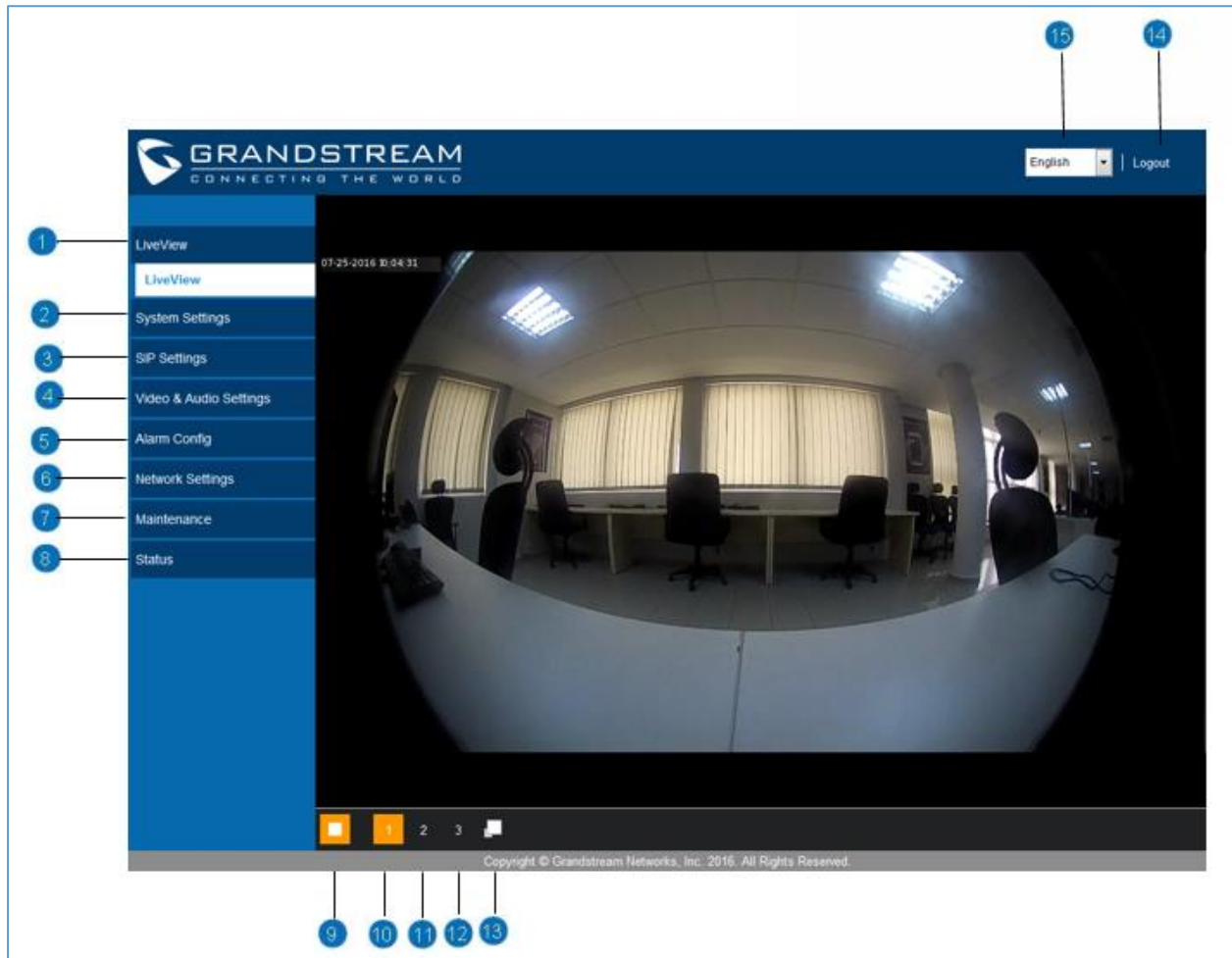


Figure 22: Home Page

Table 4: Home Page Description

Number	Fields	Description
1	LiveView	Displays the Video stream.
2	System Settings	Click to enter “System Settings” page.
3	SIP Settings	Click to enter the “SIP settings” page.
4	Video & Audio Settings	Click to enter the “Video & Audio settings” page.
5	Alarm config	Click to enter “Alarm config” page.
6	Network Settings	Click to enter the “Network Settings” page.
7	Maintenance	Click to enter “Maintenance” page.
8	Status	Click to enter “Status” page.
9	Play/Stop	Start/Stop the video stream in the web page.



10	Stream 1	Play the primary stream.
11	Stream 2	Play the secondary stream.
12	Stream 3	Play the 3 rd stream.
13	Window size	Resize the window.
14	Logout	Logout from web page.
15	Language	Click to switch webpage language.

GDS3710 Configuration & Language Page

- Once the IP address of the GDS3710 is entered on the user browser the login web page will pop up allowing user to configure the GDS3710 parameters.
- When clicking on the “Language” drop down, supported languages will be displayed as shown in Figure below. Click to select the related webpage display language.



Figure 23: Switch Language Page

Note: Current firmware support only English(default) and simplified Chinese.



GDS3710 SETTINGS

Live View Page

This page allow user to view the live video of the GDS3710 after installing related pug-in and allowing it to run on from the used browser.

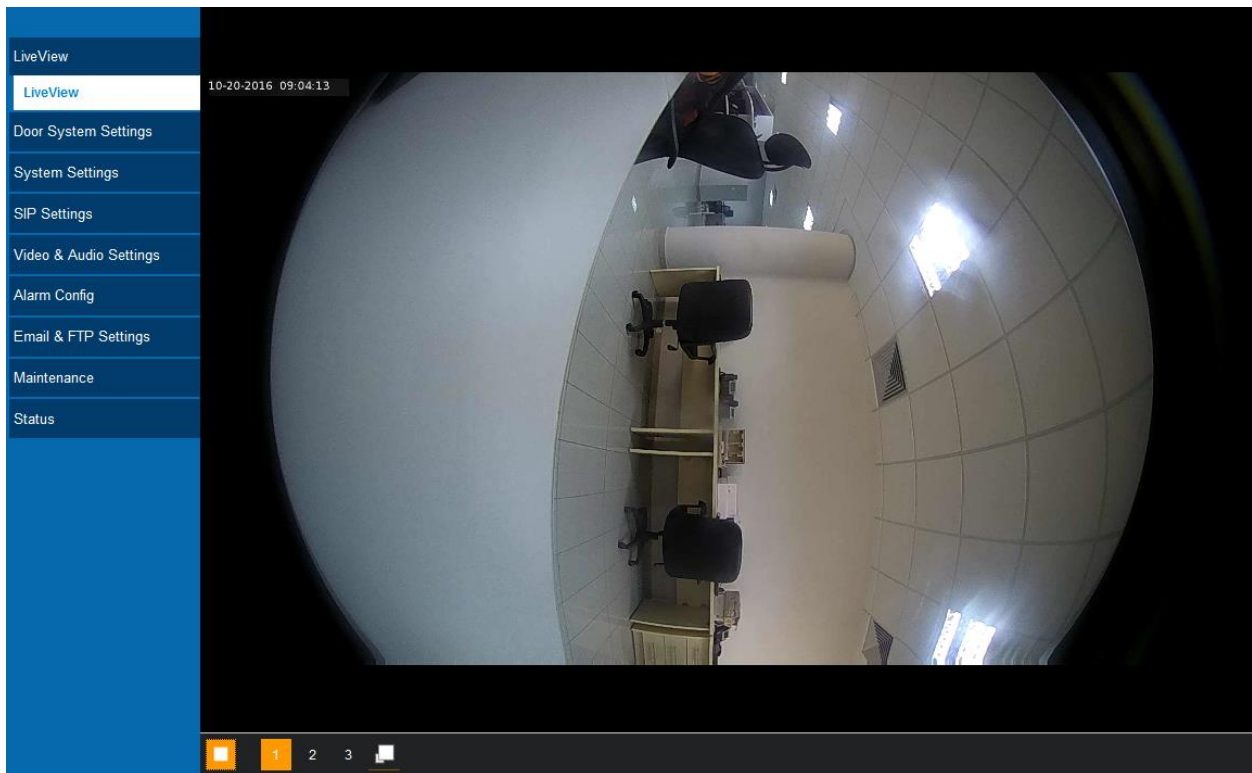



Figure 24: Live View Page

Three streams are available:

Primary video stream: 1920*1080 resolution, recommended for continuous full HD recording (If used with GXV355X NVR).

Secondary video stream: 640*480 resolution, recommended for SIP/VoIP video calls (if used with GXV3240/GXV3275).

Third video stream: 320*240 resolution, recommended for smartphone or Tablet Apps (IP Cam Viewer for instance).

The icon next to the third stream  allow user to switch between real size video and adjusted size video(appropriate for the window frames).

Door System Settings

This page allows uses to configure parameters regarding system operations, like input PIN for the door and manage users' settings.



Basic Settings

LiveView

Door System Settings

Basic Settings

Card Management

System Settings

SIP Settings

Video & Audio Settings

Alarm Config

Email & FTP Settings

Maintenance

Status

Door System Settings

Unlocking Latency(s)

Unlock Hold Time(s)

Unlock Automatically Capture Image

Doorbell Mode

Number Called When Door Bell

Pressed

Remote PIN to Open the Door

Local PIN Type

Local PIN to Open the Door

Card Issuing State Setting

Enable Card Issuing Mode

Light Settings

Enable Key Blue Light

Enable Background Light

Key Tone Setting

Key Tone Type

Wiegand Settings

Wiegand Input Enable

Wiegand Output Enable

[Save](#)

Figure 25: Door System Settings Page

Table 5: Door System Settings

Unlocking Latency(s)	Time delay in second for the electronic lock to be triggered.
Unlock Hold Time(s)	Lock holding time, in seconds (default value is 10 seconds).



Unlock Automatically Capture Image	Click to enable image caption or snapshot when electronic lock operate.
Doorbell Mode	<p>Choose the action to be taken when the doorbell is pressed, three options are available:</p> <ul style="list-style-type: none"> • Call Doorbell Number: when Doorbell is pressed, a call will be made to the “Number Called When Door Bell Pressed” • Control Doorbell Output (Digital Output 1): when Door Bell is pressed electronic lock for Output 1 is opened. • Both Of Above: When selected, both Call Doorbell Number and Control Doorbell Output options are enabled.
Number Called When Door Bell Pressed	SIP extension number (SIP Server mode), or IP address with port number(peering mode), to be called when the Door Bell is pressed.
Remote PIN to Open the Door	PIN code stored in the GDS3710, remote SIP phone needs to input and match this PIN (the PIN is sent via DTMF while in call) so that the GDS3710 can open the door.
Local PIN Type	<p>Two Options are available, Unified PIN or Private Card PIN.</p> <ul style="list-style-type: none"> • Unified PIN: This Feature means all members share a same PIN to unlock the door. Users need to enter the following sequence from the GDS3710 keypad in order to open the door [*Local PIN to Open the Door#]. • Private Card PIN: Means every member has a private PIN, the GDS will record who unlocked the door every time. Users need to enter plan the following sequence from the GDS3710 in order to open the door [*Virtual Number*Private Door Password#].
Local PIN to Open the Door	PIN stored in GDS3710, input locally this PIN on the GDS3710 keypad will unlock the door. (This Feature needs Unified PIN activated)
Enable Card Issuing Mode	Check to enable RFID card issuing/program into the GDS3710. When selected sweeping an RFID card into the GDS3710 will add card information into [Card Management].
Enable Key Blue Light	When checked, the blue light will be activated when pressing the GDS3710 Keys.
Enable Background Light	When checked, the background light will turn on once clicking the GDS3710 Keys.
Key Tone Type	<p>Key tone for the GDS3710.</p> <p>Default: when selected, silent will be played when pressing the GDS3710 keys.</p> <p>DTMF: tones will be played when pressing the GDS3710 keys.</p>
Wiegand Input Enable	Enable Wiegand Input.
Wiegand Output Enable	Enable Wiegand Output.

Notes: Remote SIP phone needs password (digits 0-9 only, ended with # key) matching the configuration on the web page to open the door (via DTMF).



GDS3710 support RFID for multiple users to open door, therefore every user has its own PIN. For environment with 100 users and more, it's difficult for the GDS3710 to manage all these users and a separate PC or Server should be involved for such kind of management and monitoring.

In environments with more than 100 users the GDS3710 support one unified Local PIN for opening the door for all the users.

Card Management

This page allow user to add information about RFID cards, two options are possible either add RFID cards manually or automatically.

Card Management							
Add User		Reload Data					
No.	Username*	Virtual Number*	Cellphone	Enable	Detail	Edit	Delete
1	Test1	200	065406464	Yes			
2	Test2	320	065406422	Yes			
3	Test3	120	065406411	Yes			

Figure 26: Card Management

Add Users Manually

In order to add users click on , the following page will pop up.



Modify Card Info
✕

Username*

Private Door Password

Gender Male ▼

ID Number

Card Number*

Valid Date 20991231

Virtual Number*

Sip Number*

Cellphone

Enable

Note: You can't open door if password is no setted.

Save
Cancel

Figure 27: Card Info

Table 6: Card Info




Username	Set the username.
Private Door Password	Password to unlock the door.
Gender	Select the gender.
ID Number	Enter an ID number
Card Number	Enter the RFID Card number.
Valid Date	Date of validity of the RFID card.
Virtual Number	Virtual number to identify the User.
Sip Number	SIP number associated with the RFID card.
Cellphone	Cellphone of the user.
Enable	Enable/Disable the RFID card.


Add Users Automatically

If [Enable Card Issuing Mode] is checked, the GDS3710 keypad will start blinking and once an RFID is swiped, data stored on the card will be added into the GDS3710 card management page, user can still edit



the entry added automatically by modifying some fields.

- Click on  to show details of the entry.
- Click on  to edit the entry.
- Click on  to delete the entry.

Users can click  to refresh the data entered to the GDS3710.

Go to:     

Users can use to navigate through user Management pages.

System Settings

This page allows users to configure date and time, network settings as well as access method to the GDS3710 and password for accessing the webGUI.

Date & Time Settings

This page allows users to adjust system date and time of the GDS3710.

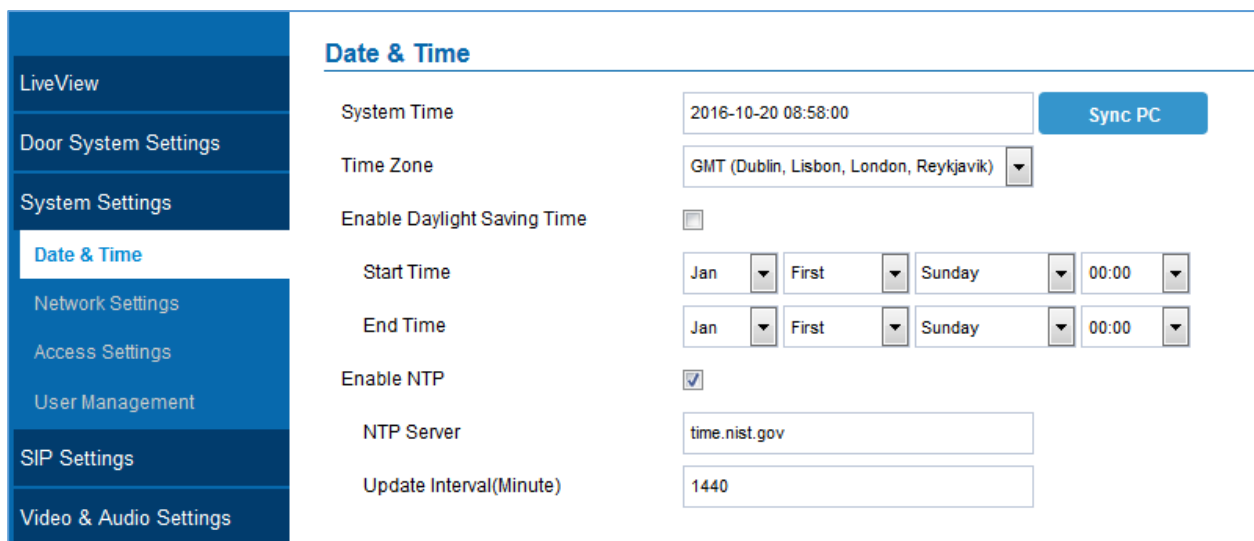


Figure 28: Date & Time Page

Table 7: Date & Time

System Time	Display the current system time.
Sync PC	Click to synchronize current time with the computer.
Time Zone	Select from drop down menu the preferred time zone.



Enable Daylight Saving Time	Check to enable Daylight Saving Time
Start time	Select the Start time of DST.
End Time	Select DST end time.
Enable NTP	Check to enable NTP to synchronize device time.
NTP Server	Input the domain name of NTP server.
Update Interval	Interval(in minutes) to synchronize.

Basic Settings

This page allows users to either set a static or DHCP IP address to access the GDS3710.

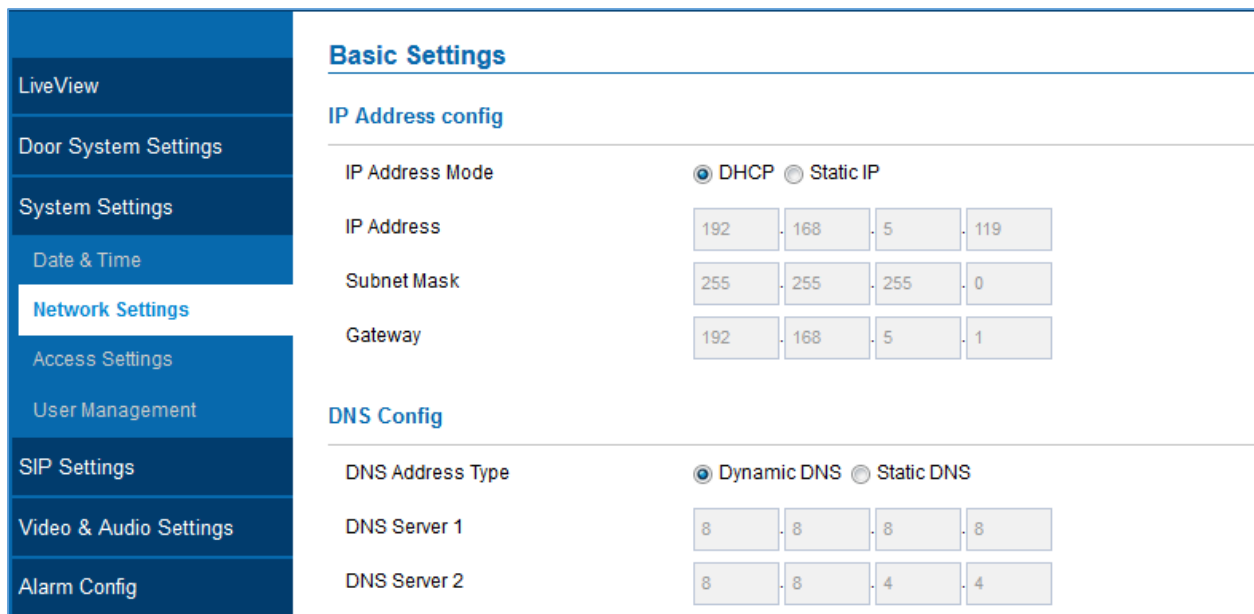


Figure 29: Basic Settings Page

Table 8: Basic Settings

IP Address Mode	Choose DHCP or Static IP. Default DHCP, Static recommended.
IP Address	Enter the Static IP of the GDS3710.
Subnet Mask	Enter the Associated Subnet Mask.
Gateway	Enter the Gateway.
DNS Address Type	Choose DNS type: Dynamic DNS or Static DNS.
DNS Server 1	Fill in DNS Server 1 IP address.
DNS Server 2	Fill in DNS Server 2 IP address.

Note:

- If the GDS3710 is behind SOHO (Small Office Home Office) router with port forwarding configured for remote access, static IP has to be used to avoid IP address changes after router reboot.



- TCP port above 5000 is suggested to Port forward HTTP for remote access, due to some ISP would block port 80 for inbound traffic. For example, change the default HTTP port from 80 to 8088, to make sure the TCP port will not be blocked.
- In addition to HTTP port, RTSP port is also required to configure via port forwarding, so that the remote party can view the video stream.
- If the default TCP port 80 is changed to port “A”, then RTSP port should be “2000+A” (changed from default TCP 554). Both TCP port “A” and “2000+A” should be configured for port forwarding in the router. For example, of the HTTP port is changed to 8088, the RTSP port should be 10088, both TCP ports 8088 and 10088 should be configured for port forwarding in order to have remote GDS3710 access: 8088 for web portal, and 10088 for video streaming.

Access Settings

This page configures the GDS3710 access control parameters.

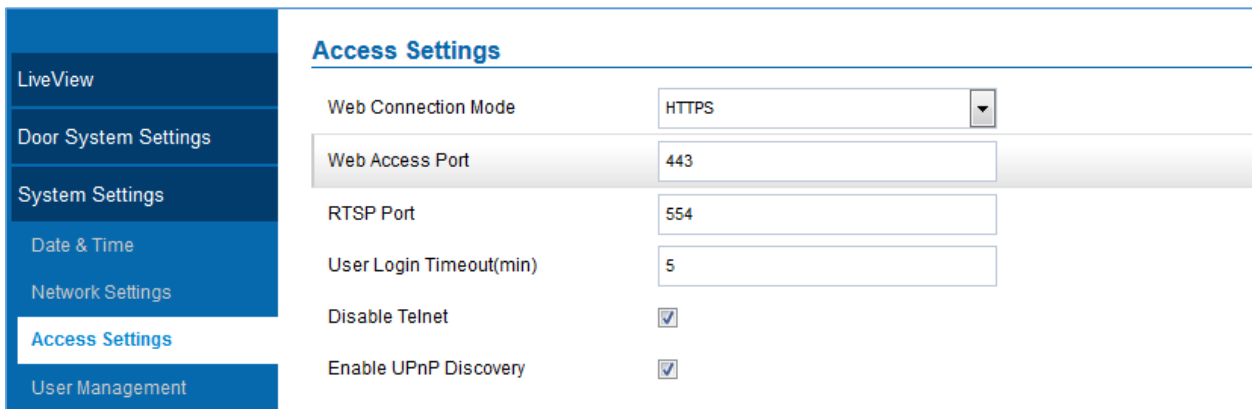


Figure 30: Access Settings Page

Table 9: Access Settings

Web Connection Mode	Select HTTP or HTTPS.
Web Access Port	TCP port for Web Access, default 80.
RTSP Port	RTSP port for media stream, default TCP port 554.
User Login Timeout(min)	If no action is made within this time the GDS3710 will logout from the Web GUI, range is between 3 and 60.
Disable Telnet	Select to Enable/Disable Telnet access. Default disabled for security reason.
Enable UPnP Discovery	UPnP (or mDNS) function for local discovery, default Enabled.

User Management

This page allows users to configure the password for administrator. Due to the fact that this is a door system which must be a secure product, the use is only limited to administrator.



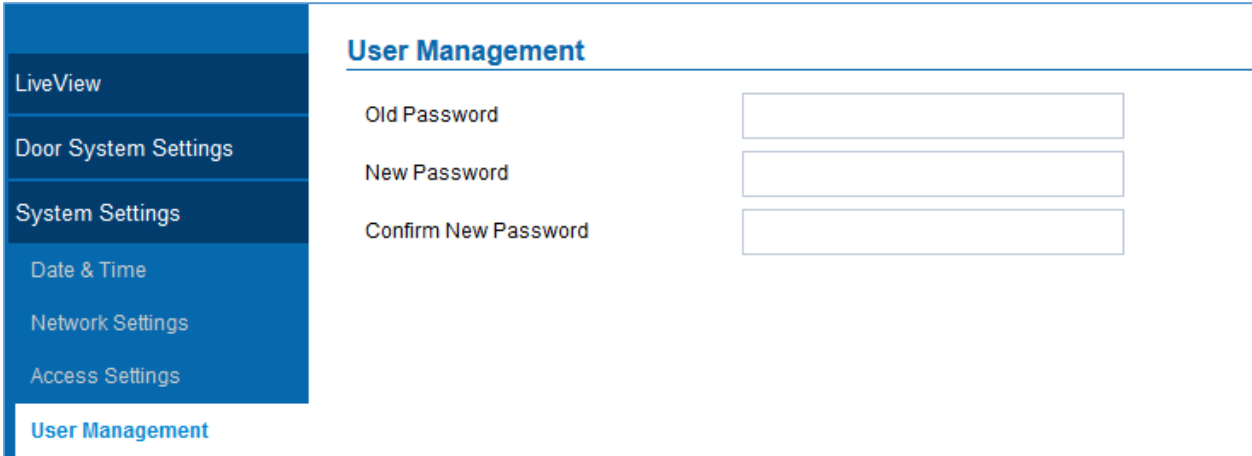


Figure 31: User Management Page

Table 10: User Management

Old Password	Old password has to be entered to change new password.
New Password	Fill in the revised new password in this field.
Confirm User Password	Re-enter the new password for verification, must match.

SIP Settings

SIP Basic Settings

Basic Settings allows users to create their SIP account.

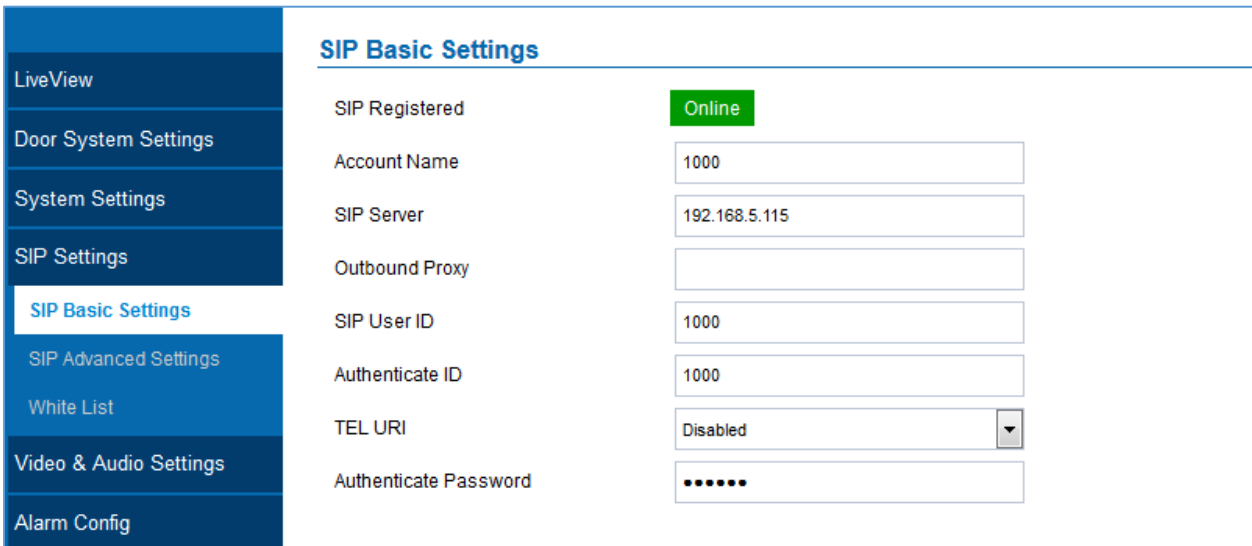



Figure 32: SIP Basic Settings Page

Table 11: SIP Basic Settings

SIP Registered	SIP registration status. Display “Online” or “Offline”.
-----------------------	---



Account Name	SIP account name used for identification.
SIP Server	FQDN or IP of SIP server from VoIP service provider.
Outbound Proxy	IP or FQDN of Outbound proxy server, helps penetrate NAT/Firewall.
SIP User ID	SIP username, or telephone number from ITSP.
Authenticate ID	Authenticate ID used by SIP proxy.
TEL URI	URI or Phone selection by ITSP, see webpage help tips  .
Authenticate Password	Authenticate password used by SIP proxy.

SIP Advanced Settings

Advanced settings allow more sophisticated SIP related parameters to be configured for the related operations.



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SIP Settings

SIP Basic Settings

SIP Advanced Settings

White List

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Maintenance

Status

SIP Advanced Settings

STUN Server	<input type="text"/>
Register Expiration(Minute)	<input type="text" value="3600"/>
Local SIP Port	<input type="text" value="5060"/>
Local RTP Port	<input type="text" value="5004"/>
Auto On-Hook Timer(Second)	<input type="text" value="300"/>
SIP Transport	<input type="text" value="UDP"/>
Stream	<input type="text" value="Stream 2"/>
SIP TLS Certificate	<div style="border: 1px solid #ccc; height: 40px;"></div>
SIP TLS Private Key	<div style="border: 1px solid #ccc; height: 40px;"></div>
SIP TLS Private Key Password	<input type="password" value="•••••"/>
Enable Keep Alive	<input checked="" type="checkbox"/>
Enable Direct IP Call	<input checked="" type="checkbox"/>
SIP Proxy Compatibility Mode	<input type="checkbox"/>
Unregister On Reboot	<input checked="" type="checkbox"/>

Figure 33: SIP Advanced Settings Page

Table 12: SIP Advanced Settings

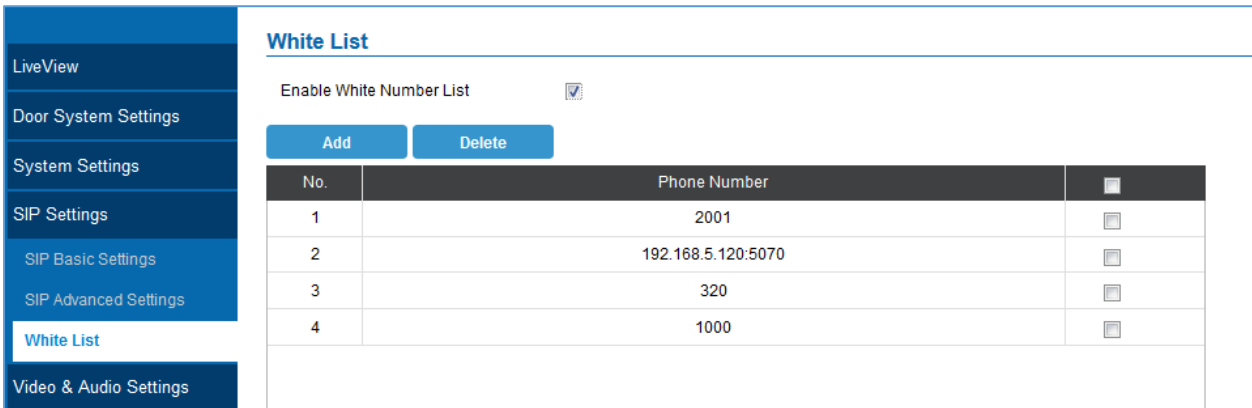
STUN Server	Stun server FQDN or IP. If device behind a non-symmetric router, STUN server can help to penetrate & resolve NAT issue.
Register Expiration	Registration expiration time, default 60 minutes.
Local SIP Port	Local SIP port, default 5060.
Local RTP Port	Local RTP port for media, default 5004.
Auto On-Hook Timer	Timer (in seconds) for automatic disconnecting the SIP call, default 300.
SIP Transport	SIP transport protocol, UDP as default.



Stream	Which stream used for SIP call. Default 2 nd stream, strongly recommended 2 nd or 3 rd stream due to bandwidth utilization.
SIP TLS Certificate	Copy/Paste the TLS certificate here for encryption.
SIP TLS Private Key	Input private key here for TLS security protection.
SIP TLS Private Key Password	The password for SIP TLS private Key.
Enable Keep Alive	Check to help NAT resolution, sending alive packets.
Accept Direct IP Call	Check to accept peer-to-peer IP call in LAN w/o SIP server.
SIP Proxy Compatibility Mode	Check to enable more proxy compatibility with cost of bandwidth, the SIP call will send both audio and video no matter what.
Unregister On Reboot	If checked and the SIP server support it, reboot the GDS3710 will unbind all registered end points using this SIP account.

White List

This page allows users to configure the white list, which is a phone number or extension list that is allowed to call the GDS3710. (the call will be automatically answered when calling from a phone set on the white list).



No.	Phone Number	
1	2001	
2	192.168.5.120:5070	
3	320	
4	1000	

Figure 34: White List Page

Table 13: White List

Enable White Number List	Click to enable the White List feature.
Add	Click to add new phone number.
Delete	Click to delete a number from the white list.

Video & Audio Settings

This page allows user to configure the video and audio related settings.



Video Settings

Video Settings	
Stream 1	
Preferred Video Codec	MJPEG
Profile	Main Profile
Resolution	1920*1080(16:9)
Bit Rate(kbps)	4096
Frame Rate(fps)	30
Bit Rate Control	CBR
Image Quality	Normal
I-frame Interval	80
Stream 2	
Preferred Video Codec	H264
Profile	Main Profile
Resolution	640*480(4:3)
Bit Rate(kbps)	512
Frame Rate(fps)	30
Bit Rate Control	CBR
Image Quality	Normal
I-frame Interval	80
Stream 3	
Preferred Video Codec	H264
Profile	Main Profile
Resolution	320*240(4:3)
Bit Rate(kbps)	256
Frame Rate(fps)	30
Bit Rate Control	CBR
Image Quality	Normal
I-frame Interval	80
<input type="button" value="Save"/>	

Figure 35: Video Settings Page



Table 14: Video Settings

Preferred Video Codec(Stream1)	H.264 and MJPEG supported, H.264 recommended.
Profile	H.264 profile pulldown selection among Baseline, Main Profile and High Profile, default is "Main Profile".
Resolution	The resolution in pixels used at video image, 1080p or 720p.
Bit Rate(kbps)	video bit rate or bandwidth used.
Frame Rate(fps)	Maximum frame rate used (more data if big frame used).
Bit Rate Control	Constantly bit rate, or variable bit rate.
Image Quality	Image quality used when Variable Bit Rate used.
I-frame Interval	I-frame interval (suggested 2~3 times of frame rate).
Preferred Video Codec(Stream2)	H.264 and MJPEG supported, H.264 recommended.
Profile	H.264 profile pulldown selection among Baseline, Main Profile and High Profile, default is "Main Profile".
Resolution	The resolution in pixels used at video image, 480p or 272p.
Bit Rate(kbps)	video bit rate or bandwidth used.
Frame Rate(fps)	Maximum frame rate used (more data if big frame used).
Bit Rate Control	Constantly bit rate, or variable bit rate.
Image Quality	Image quality used when Variable Bit Rate used.
I-frame Interval	I-frame interval (suggested 2~3 times of frame rate).
Preferred Video Codec(Stream3)	H.264 and MJPEG supported, H.264 recommended.
Profile	H.264 profile pulldown selection among Baseline, Main Profile and High Profile, default is "Main Profile".
Resolution	The resolution in pixels used at video image, 240p.
Bit Rate(kbps)	video bit rate or bandwidth used.
Frame Rate(fps)	Maximum frame rate used (more data if big frame used).
Bit Rate Control	Constantly bit rate, or variable bit rate.
Image Quality	Image quality used when Variable Bit Rate used.
I-frame Interval	I-frame interval (suggested 2~3 times of frame rate).

Note:

- H.264 suggested if GDS3710 needs to be viewed via Internet.
- For definition of Baseline, Main Profile and High profile of H.264 please refer to:
 - [H.264 Profiles](#)
- If MJPEG selected, reduce frame rate to the minimal value to save bandwidth and get better image.



- Grandstream GDS3710 provides three video streams, user can use them with flexibility. For example, the high-resolution stream for local recording, another low or high resolution for SIP video phone call or remote smartphone monitoring application, or vice versa depending application scenarios.
- **Use below link to calculate bandwidth and storage before installation**

<http://www.grandstream.com/support/tools/bandwidth-storage-calc>

OSD Settings

OSD Settings (On Screen Display) allow the users to Display time stamp and text on the video screen.

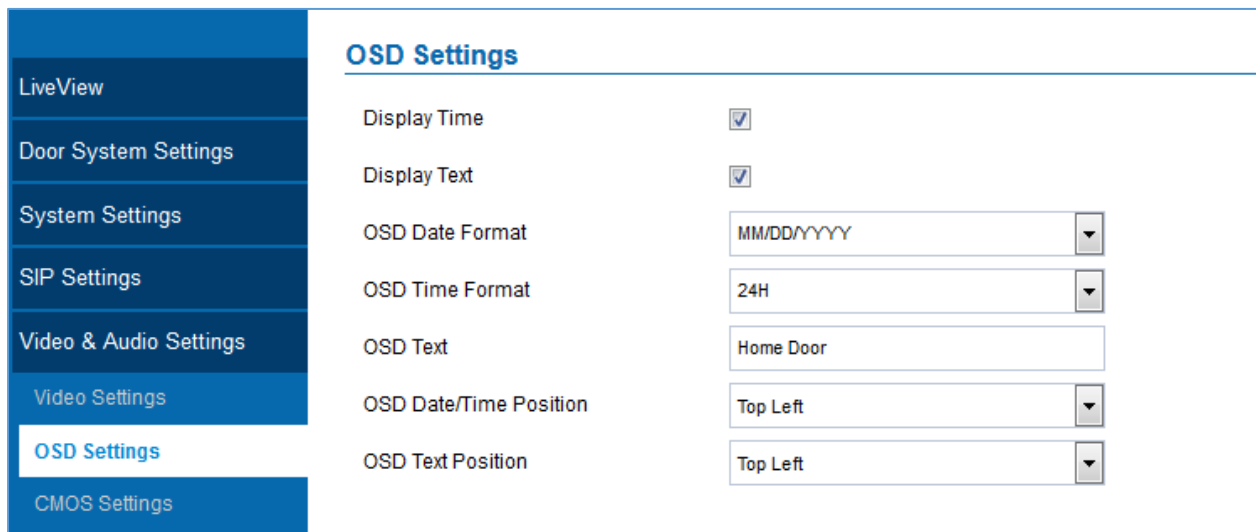


Figure 36: OSD Settings Page

Table 15: OSD Settings

Display Time	When checked, time will be displayed inside the video image.
Display Text	When checked, inputted text will be displayed on video image.
OSD Date Format	OSD Date format, choose based on user preference.
OSD Time Format	OSD Time format, choose based on user preference.
OSD Text	Input a text (to identify the GDS3710) it will be shown on the screen.
OSD Date/Time Position	Show the Date/Time position on the screen.
OSD Text Position	Show the Text position on the screen.

CMOS Settings

This page configures the CMOS parameters for different scenarios.



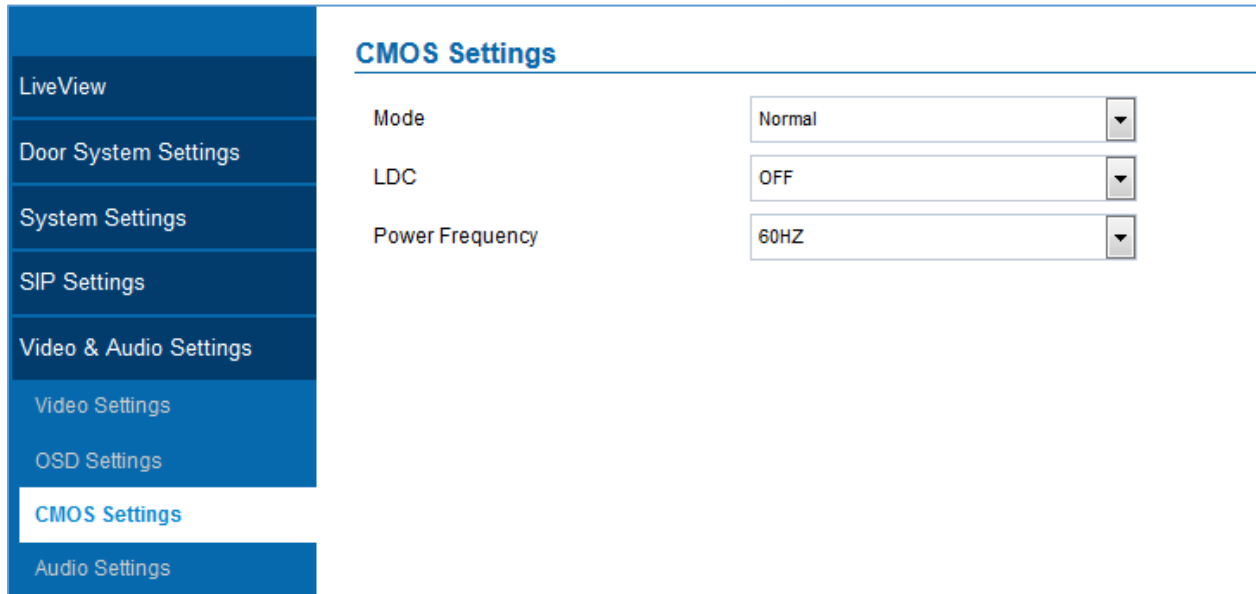


Figure 37: CMOS Settings Page

Table 16: CMOS Settings

Mode	Pull down to choose “Normal, Low Light, WDR” for different light condition. Default “Normal”.
LDC	Default “OFF”. When “ON” the display will take a normal shape, but will lose some details located at corner of the original view.
Power Frequency	Select the frequency power. 50Hz or 60Hz.

Audio Settings

This page allows users to configure the audio settings.

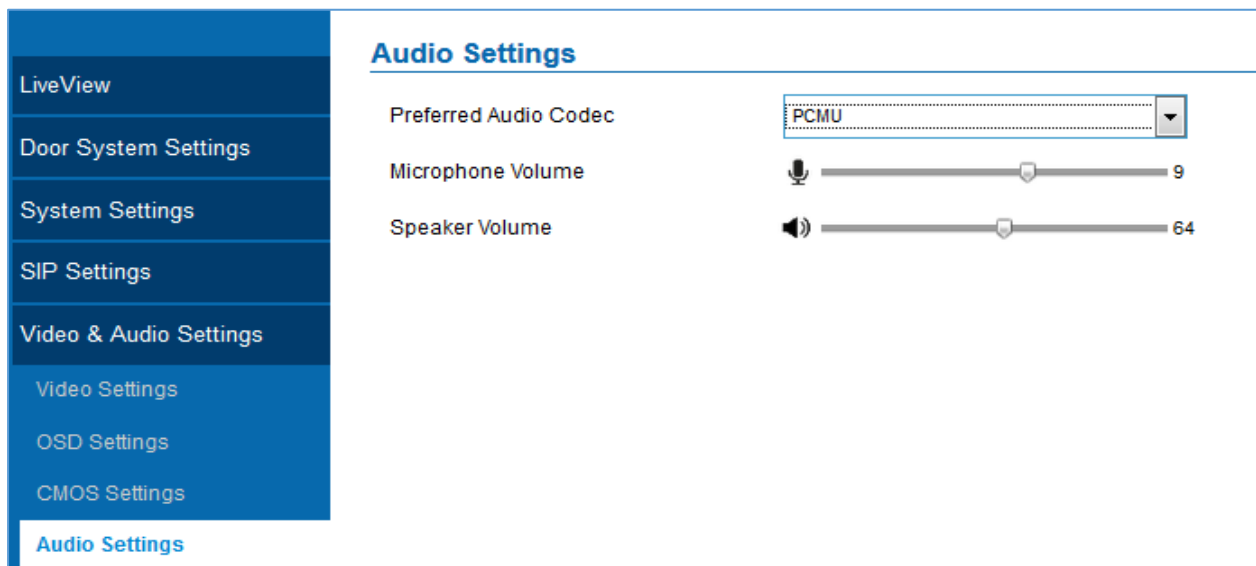


Figure 38: Audio Settings Page



Table 17: Audio Settings

Preferred Audio Codec	PCMU, PCMA and G.722 are supported.
Microphone Volume	Slide to adjust microphone gain.
Speaker Volume	Slide to adjust the speaker volume connected.

Alarm Config

This page allows users to configure alarm schedule and alarm actions.

Alarm Events Config

This page allows users to configure what Events the GDS3710 can take to trigger the programmed action within the predefined schedule.



LiveView

Door System Settings

System Settings

SIP Settings

Video & Audio Settings

Alarm Config

Alarm Events Config

Alarm Schedule

Alarm Action

Alarm Phone List

Email & FTP Settings

Maintenance

Status

Alarm Events Config

Motion Detection

Enable Motion Detection Region Config

Sensitivity 50

Select Alarm Schdeule All Day

Select Alarm Action Profile profile3

Digit Input

Digital Input 1 Alarm Input

Select Alarm Schdeule 1 schedule2

Select Alarm Action Profile 1 Mhammed

Digital Input 2 Alarm Input

Select Alarm Schdeule 2 schedule1

Select Alarm Action Profile 2 profile2

Digit Output

Alarm Output Duration(s) 5

Alarm Config

Enable Hostage Password

Hostage Password

Select Alarm Action Profile Mhammed

Enable Tamper Alarm

Select Alarm Action Profile profile2

Enable Keypad Input Error Alarm

Select Alarm Action Profile profile3

Save

Figure 39: Events Page

Alarm can be triggered either by motion detection or by GDS3710 input.

- **Motion Detection**



Users can select a specific region to trigger the alarm using motion detection.

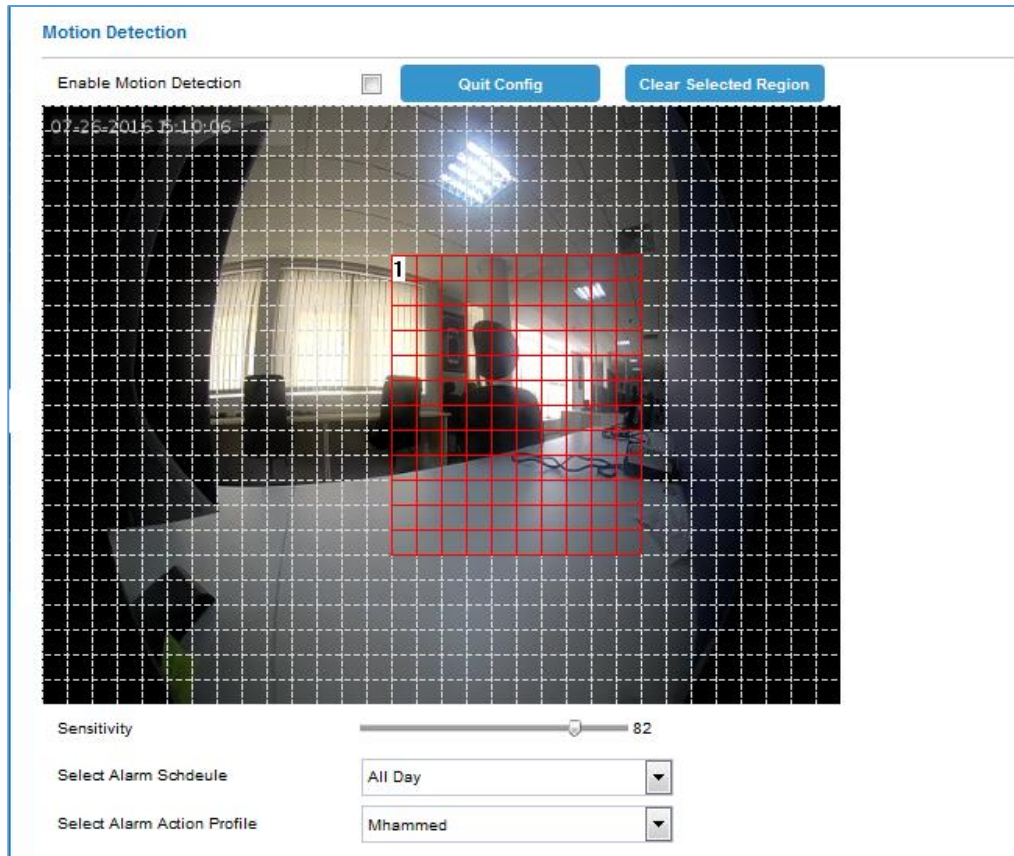


Figure 40: Region Config

Table 18: Motion Detection

Enable Motion Detection	Click on the check box to enable Motion Detection.
Region Config	Click to enter the Region Config menu.
Quit Config	Click to exit the Region Config menu.
Clear Selected Region	Select a zone on the screen then click on Clear to delete the region.
Sensitivity	Region sensitivity (value between 0-100%).
Select Alarm Schedule	Select the Schedule programmed.
Select Alarm Action Profile	Select the programmed Alarm Action.

- **Digit Input**



Alarm Events Config	
Alarm Schedule	
Alarm Action	
Alarm Phone List	
Email & FTP Settings	
Maintenance	
Status	

Digit Input	
Digital Input 1	Alarm Input
Select Alarm Schdeule 1	schedule2
Select Alarm Action Profile 1	Mhammed
Digital Input 2	Alarm Input
Select Alarm Schdeule 2	schedule1
Select Alarm Action Profile 2	profile2

Figure 41: Digit Input

Table 19: Digit Input

Digit Input 1	Select the Input method(alarm Input or Door Open).
Select Alarm Schedule 1	Select the predefined Schedule.
Select Alarm Action Profile 1	Select the predefined Alarm Action.
Digit Input 2	Select the Input method(alarm Input or Door Open).
Select Alarm Schedule 2	Select the predefined Schedule.
Select Alarm Action Profile 2	Select the predefined Alarm Action.

Alarm Output Duration(s) specifies the duration of the output alarm.

Table 20: Alarm Config

Enable Hostage Password	Enable/Disable Hostage password mode.
Hostage password	Set the password for the hostage mode.
Select Alarm Action Profile	Select the Alarm action to be taken when the hostage password is typed on the GDS3710 keypad. Note: No sound alarm will be triggered in this mode.
Enable Tamper Alarm	When activating this mode, GDS3710 will keep alarming until the alarm is dismissed.
Select alarm Action Profile	Select the type of alarms to be taken for the tamper alarm mode.
Enable Keypad Input Error Alarm	Enable/Disable the Input Error Alarm, GDS3710 will take alarm actions every 5 incorrect attempts.
Select Alarm Profile	Select the Alarm action to be taken after 5 incorrect attempts.



Notes:

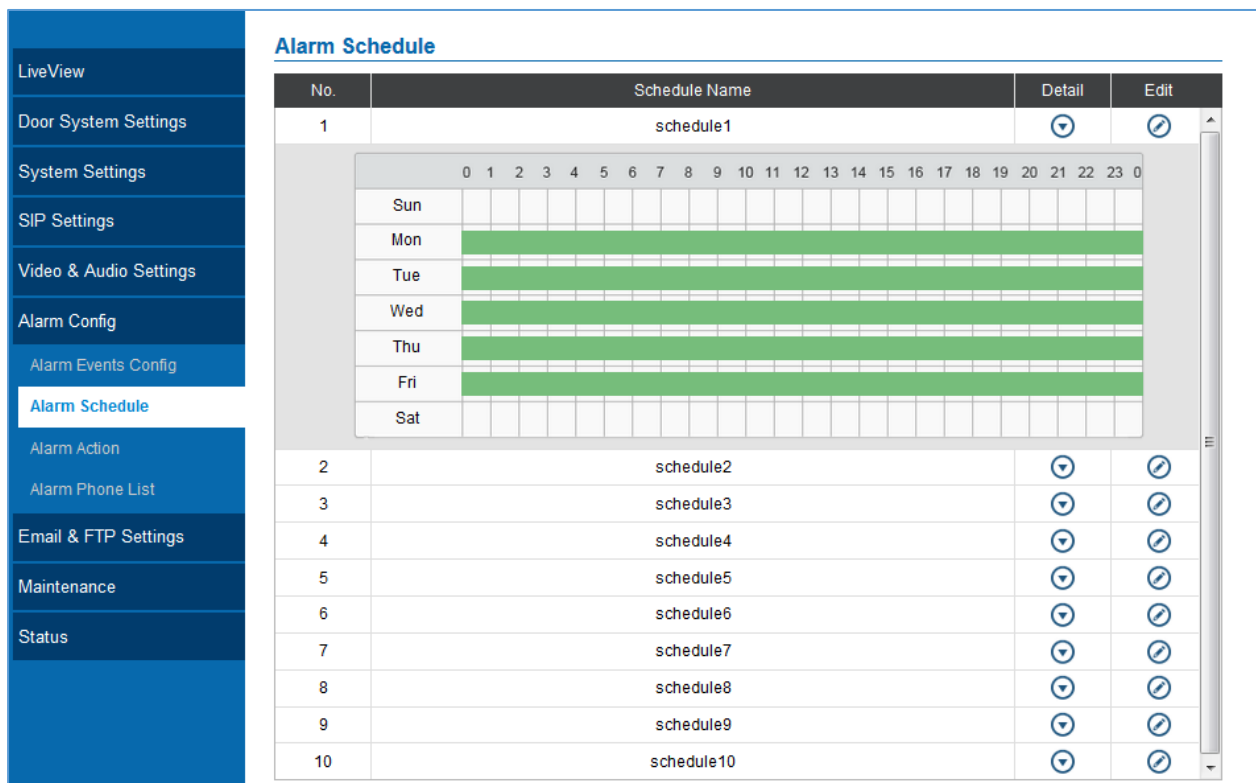
Hostage password can be used in a critical situation for instance a kidnaping or an emergency, users need to enter the following sequence in order to trigger the actions set for the Hostage Mode:

“* **HostagePassword #**”.

Tamper alarm is anti-hack from Hardware level. When this option is checked, if the GDS3710 is removed from the installation board, it will generate the alarm actions configured. There is an embedded mechanism on the GDS3710 that allow it to sense when the it is removed.


Alarm schedule

This page specifies the configuration of Alarm Schedule. Schedule must be in place before the alarm take the related action.



No.	Schedule Name	Detail	Edit
1	schedule1	⌵	🔧
2	schedule2	⌵	🔧
3	schedule3	⌵	🔧
4	schedule4	⌵	🔧
5	schedule5	⌵	🔧
6	schedule6	⌵	🔧
7	schedule7	⌵	🔧
8	schedule8	⌵	🔧
9	schedule9	⌵	🔧
10	schedule10	⌵	🔧

Figure 42: Alarm Schedule

There are 8 Period allowed to be configured, with time span specified by users. User can edit the alarm schedule by clicking  button. Usually the 24 hours' span is 00:00 ~ 23:59, which is 24 hours' format. Users can copy the configuration to different date during the schedule programming.



Modify Schedule
✕

Schedule Name	<input style="width: 90%;" type="text" value="schedule1"/>
---------------	--

Sun	Period1	<input style="width: 30px;" type="text" value="00"/>	:	<input style="width: 30px;" type="text" value="00"/>	-	<input style="width: 30px;" type="text" value="23"/>	:	<input style="width: 30px;" type="text" value="59"/>
Mon	Period2	<input style="width: 30px;" type="text" value="00"/>	:	<input style="width: 30px;" type="text" value="00"/>	-	<input style="width: 30px;" type="text" value="00"/>	:	<input style="width: 30px;" type="text" value="00"/>
Tue	Period3	<input style="width: 30px;" type="text" value="00"/>	:	<input style="width: 30px;" type="text" value="00"/>	-	<input style="width: 30px;" type="text" value="00"/>	:	<input style="width: 30px;" type="text" value="00"/>
Wed	Period4	<input style="width: 30px;" type="text" value="00"/>	:	<input style="width: 30px;" type="text" value="00"/>	-	<input style="width: 30px;" type="text" value="00"/>	:	<input style="width: 30px;" type="text" value="00"/>
Thu	Period5	<input style="width: 30px;" type="text" value="00"/>	:	<input style="width: 30px;" type="text" value="00"/>	-	<input style="width: 30px;" type="text" value="00"/>	:	<input style="width: 30px;" type="text" value="00"/>
Fri	Period6	<input style="width: 30px;" type="text" value="00"/>	:	<input style="width: 30px;" type="text" value="00"/>	-	<input style="width: 30px;" type="text" value="00"/>	:	<input style="width: 30px;" type="text" value="00"/>
Sat	Period7	<input style="width: 30px;" type="text" value="00"/>	:	<input style="width: 30px;" type="text" value="00"/>	-	<input style="width: 30px;" type="text" value="00"/>	:	<input style="width: 30px;" type="text" value="00"/>
	Period8	<input style="width: 30px;" type="text" value="00"/>	:	<input style="width: 30px;" type="text" value="00"/>	-	<input style="width: 30px;" type="text" value="00"/>	:	<input style="width: 30px;" type="text" value="00"/>

Copy
 Sun
 Mon
 Tue
 Wed
 Thu
 Fri
 Sat

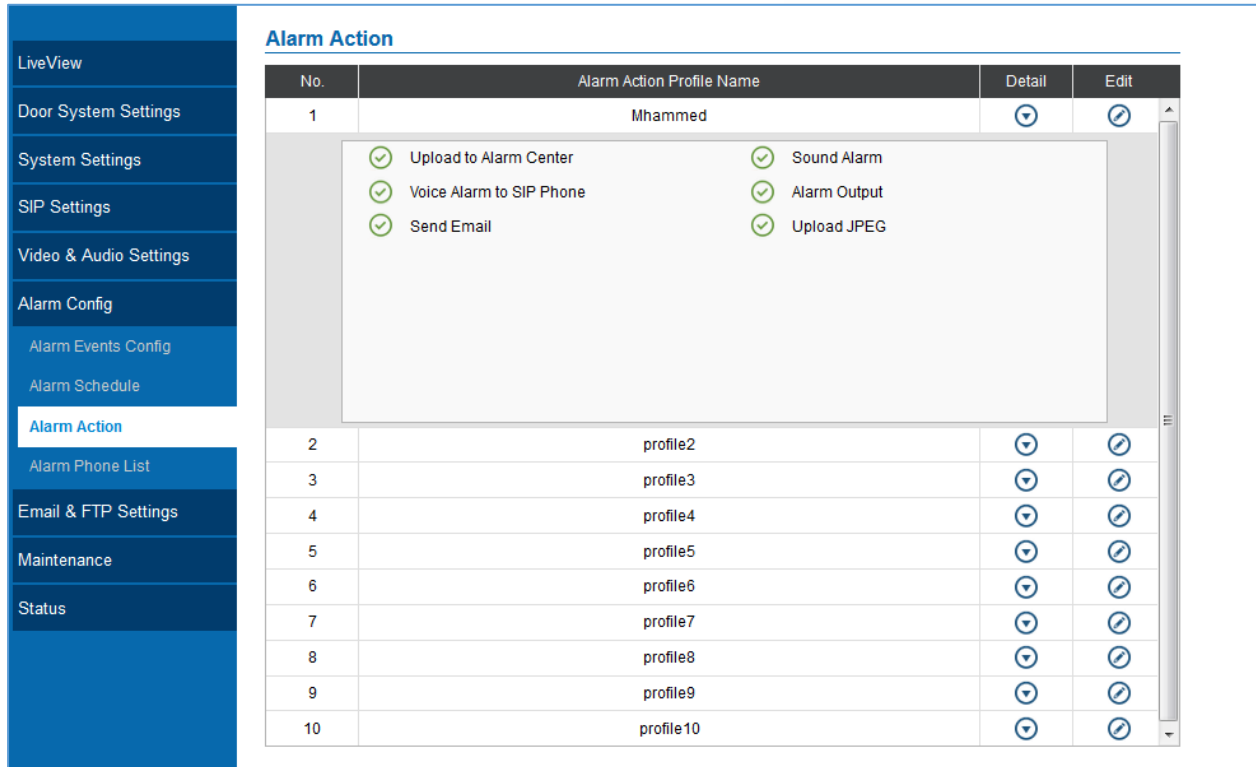
Save
Cancel

Figure 43: Edit Schedule

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.



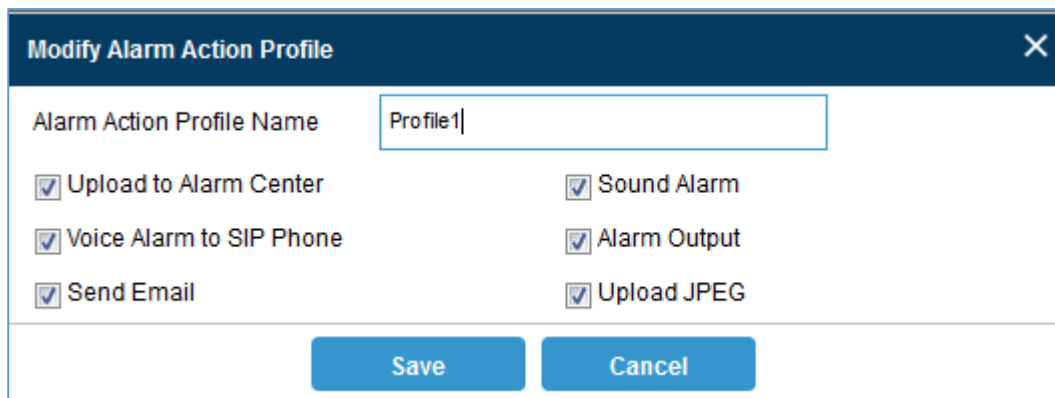


Alarm Action

No.	Alarm Action Profile Name	Detail	Edit
1	Mhammed		
<div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"><input checked="" type="checkbox"/> Upload to Alarm Center</div> <div style="width: 50%;"><input checked="" type="checkbox"/> Sound Alarm</div> <div style="width: 50%;"><input checked="" type="checkbox"/> Voice Alarm to SIP Phone</div> <div style="width: 50%;"><input checked="" type="checkbox"/> Alarm Output</div> <div style="width: 50%;"><input checked="" type="checkbox"/> Send Email</div> <div style="width: 50%;"><input checked="" type="checkbox"/> Upload JPEG</div> </div>			
2	profile2		
3	profile3		
4	profile4		
5	profile5		
6	profile6		
7	profile7		
8	profile8		
9	profile9		
10	profile10		

Figure 44: Alarm Action

User can edit the alarm action by clicking  button, the following window will popup.



Modify Alarm Action Profile [X]

Alarm Action Profile Name:

Upload to Alarm Center Sound Alarm
 Voice Alarm to SIP Phone Alarm Output
 Send Email Upload JPEG

Figure 45: Edit Alarm Action

Table 21: Alarm Actions

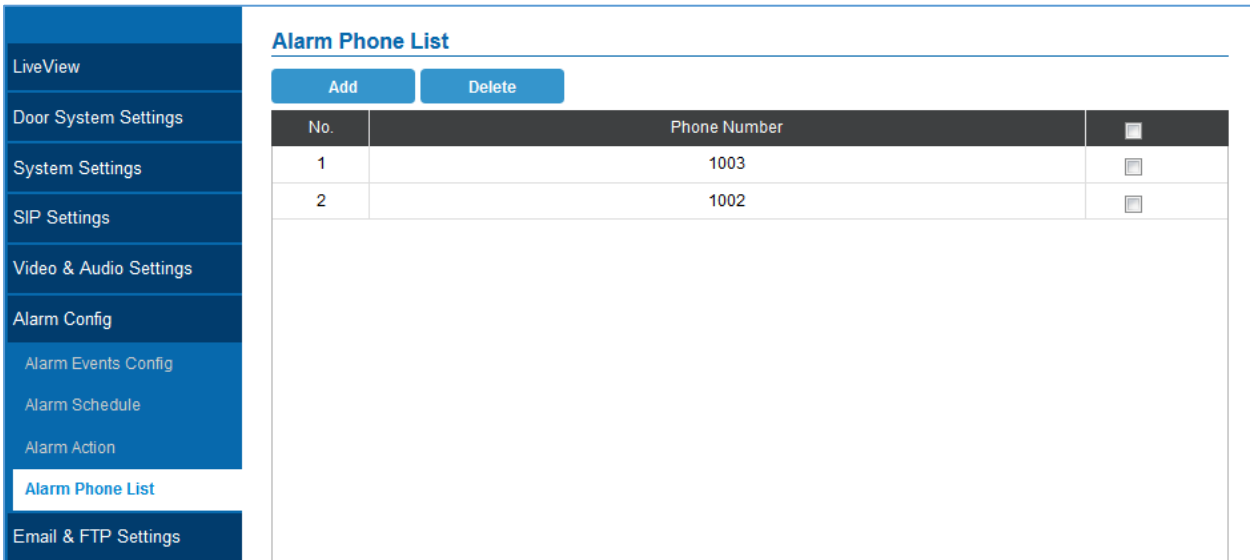
Upload To Alarm Center	When checked, the alarm video will be transferred to Alarm Center.
Voice Alarm To SIP Phone	If SIP server or peer IP device configured, check this will allow the event to trigger alarm SIP call to pre-configured number.
Send Email	When checked, an email will be sent when the events is triggered to the pre-configured email account.
Sound Alarm	When selected alarm will be played from the GDS3710 Built-in Speaker.



Alarm Output	An alarm will be sent to the Alarm Output interface if this option is checked.
Upload JPEG	When checked, snapshots of the moment where the event is triggered will be uploaded to the FTP server.

Alarm Phone List

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



No.	Phone Number	<input type="checkbox"/>
1	1003	<input type="checkbox"/>
2	1002	<input type="checkbox"/>

Figure 46: Alarm Phone List

Table 22: Alarm Phone List

Add	Add new phone number to the alarm list.
Delete	Delete a number from the phone alarm list.

Once the event is triggered (Motion Detection, Door Bell Pressed...) the GDS3710 will call the first number, once time out is reached and no answer is provided 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.

Email & FTP Settings

This page contains Email and FTP Settings.

Email Settings

This page allows users to configure email client to send out an email when the alarm is triggered.



SMTP	
SMTP Server	<input type="text" value="smtp.gmail.com"/>
SMTP Server Port	<input type="text" value="465"/>
From E-Mail address	<input type="text" value="fromemail@grandstream.com"/>
Sender User Name	<input type="text" value="myaccount@grandstream.com"/>
Sender Password	<input type="password" value="*****"/>
Password Recovery Email	<input type="text" value="recovery@grandstream.com"/>
Alarm Receive Email 1	<input type="text" value="email1@grandstream.com"/>
Alarm Receive Email 2	<input type="text" value="email2@grandstream.com"/>
SSL	<input checked="" type="checkbox"/>

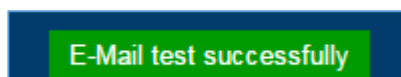
Figure 47: SMTP Page

Table 23: SMTP

SMTP Server	SMTP Email Server IP or Domain Name.
SMTP Server Port	Port number used by server to send email.
From E-mail address	The email address of alarm email sending from, usually client email ID.
Sender User Name	Sender's User ID or account ID in the email system used.
Sender Password	Sender's password of the email account.
Password Recovery Email	Email address used when password forgot and reset required.
Alarm Receive Email 1	The 1 st email address to receive the alarm email.
Alarm Receive Email 2	The 2 nd email address to receive the alarm email.
SSL	Check if the SMTP email server requires SSL.

Notes:

- Click "Save" to save the email configuration information.
- Click "Email Test" after configuration, if settings are correct, a test email will send out and "E-mail test successfully" message on the top page will appear like below.



FTP & Center Storage

This page allows users to configure the FTP Settings in order to use it for upload capture images.

Table 24: FTP

Enable Picture Storage	Check to Enable the Picture Storage.
Storage Server Type	Select whether to upload pictures to the GDSManager or upload them to the FTP server.
FTP Server	Enter the IP address of the FTP server when selected to upload images to.
FTP Server Port	Enter FTP address port.
FTP User Name	Enter the FTP server account name.
FTP Password	Enter the FTP server password.
FTP Path	Select the Storage path.
FTP Test	Click in order to test if the connection with FTP server.

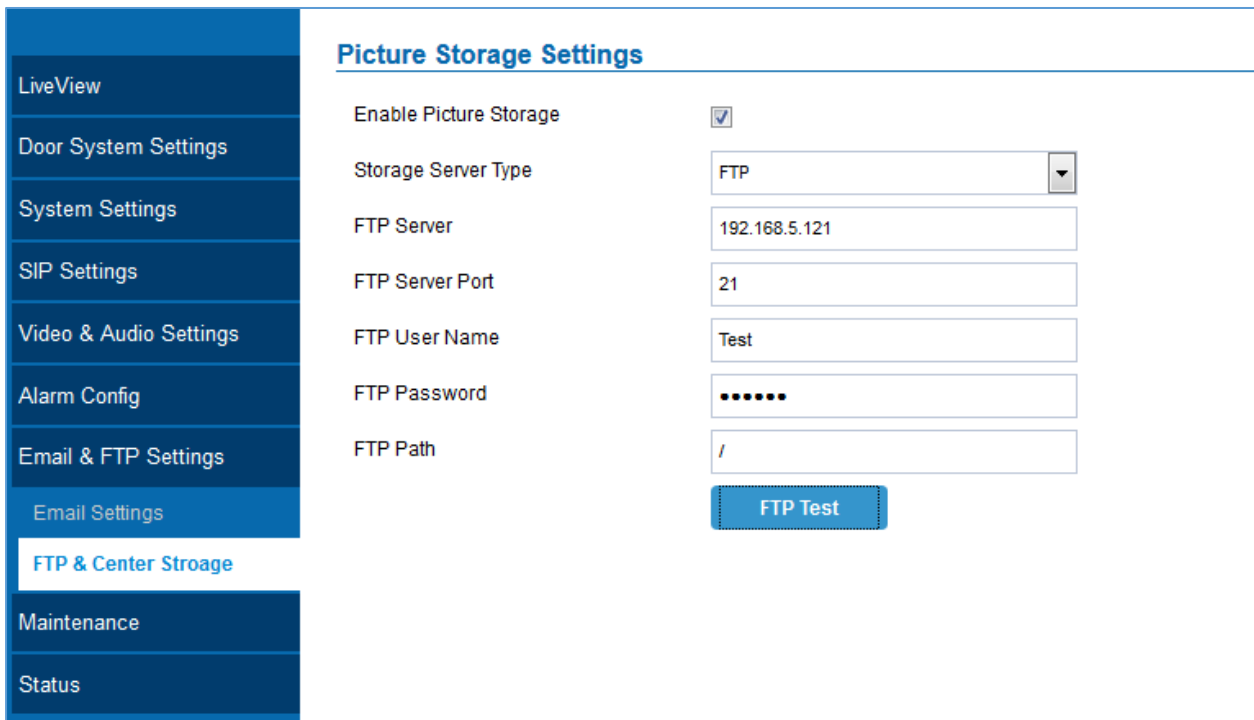


Figure 48: Picture Storage Settings

Note: If the connection to the FTP server is successful a .txt file containing a success message will be uploaded to the FTP server. And the following message will pop up on the webGUI

FTP test successfully.

Maintenance Settings

This page shows the GDS3710 Maintenance parameters.



Upgrade

This page contains the upgrade parameters of the GDS3710.

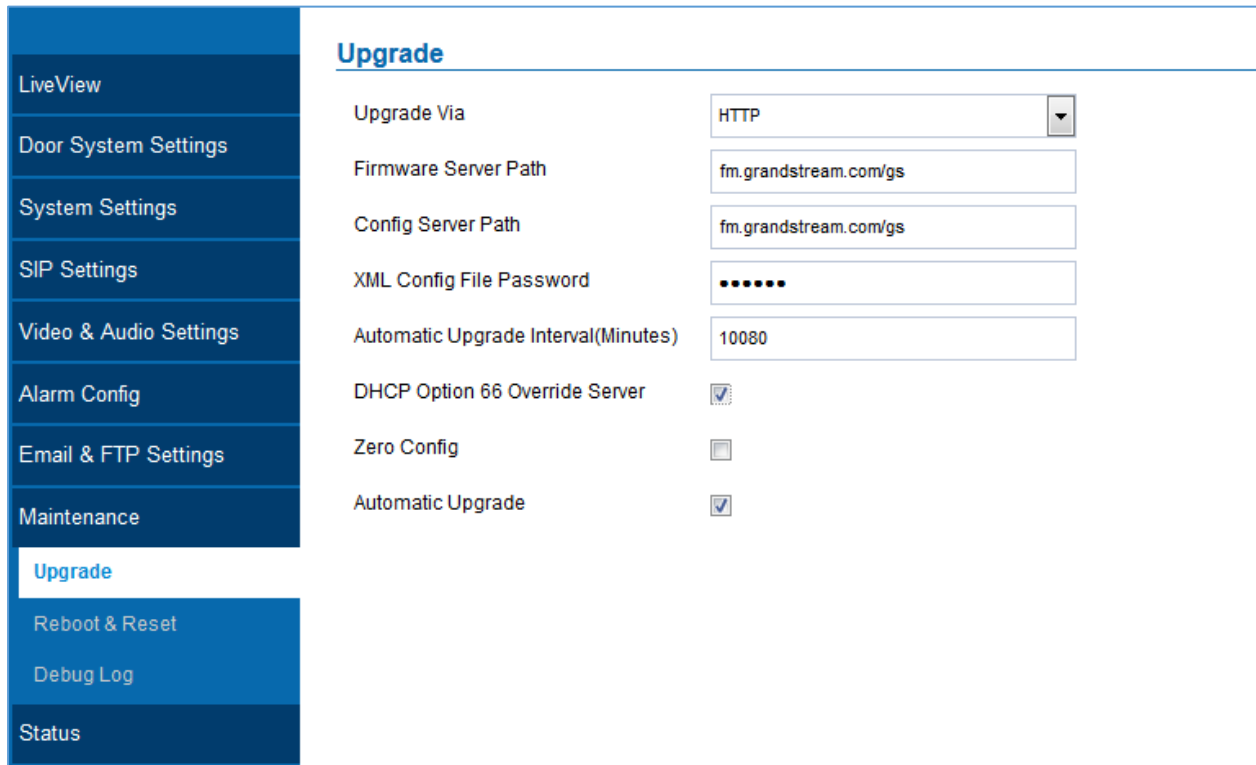


Figure 49: Upgrade Page

Table 25: Upgrade

Upgrade Via	Select the Upgrade method (TFTP, HTTP, HTTPS).
Firmware Server Path	Set the IP address or the FQDN of the upgrade server.
Config Server Path	Set the IP address or the FQDN of the configuration server.
XML Config file Password	Set the password for the configuration file.
Automatic Upgrade Interval	Set the upgrade interval in minutes.
DHCP Option 66 Override Server	Check to activate DHCP option 66 to override upgrade/config servers.
Zero Config	Check to activate auto provisioning.
Upgrade Via	Select the Upgrade method (TFTP, HTTP, HTTPS).

Reboot & Reset

This page allows user to reboot and reset the GDS3710.



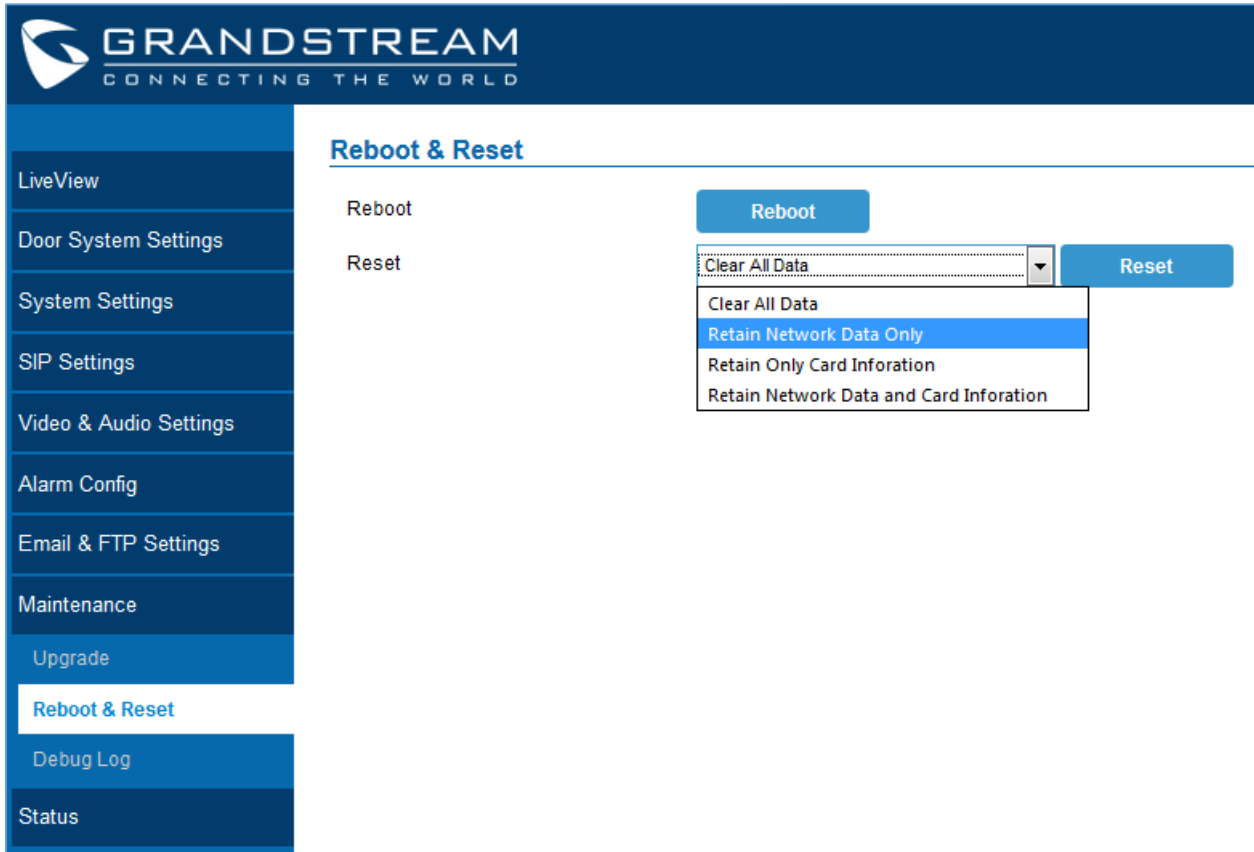


Figure 50: Reset & Reboot Page

Table 26: Reset & Reboot

Reboot	When clicked, the GDS3710 will restart (soft reboot).
Reset	There are two options for the reset function.
Clear All Data	All data will be reset, GDS3710 will be reset to factory default.
Retain Network Data Only	Network data like IP address will not be reset.
Retain Only Card Information	Cards information will not be reset.
Retain Network Data and Card Information	Both Network Data and Card Information will not be reset.

Debug Log

This page allows user to configure SYSLOG to collect information to help troubleshooting issues with GDS3710.



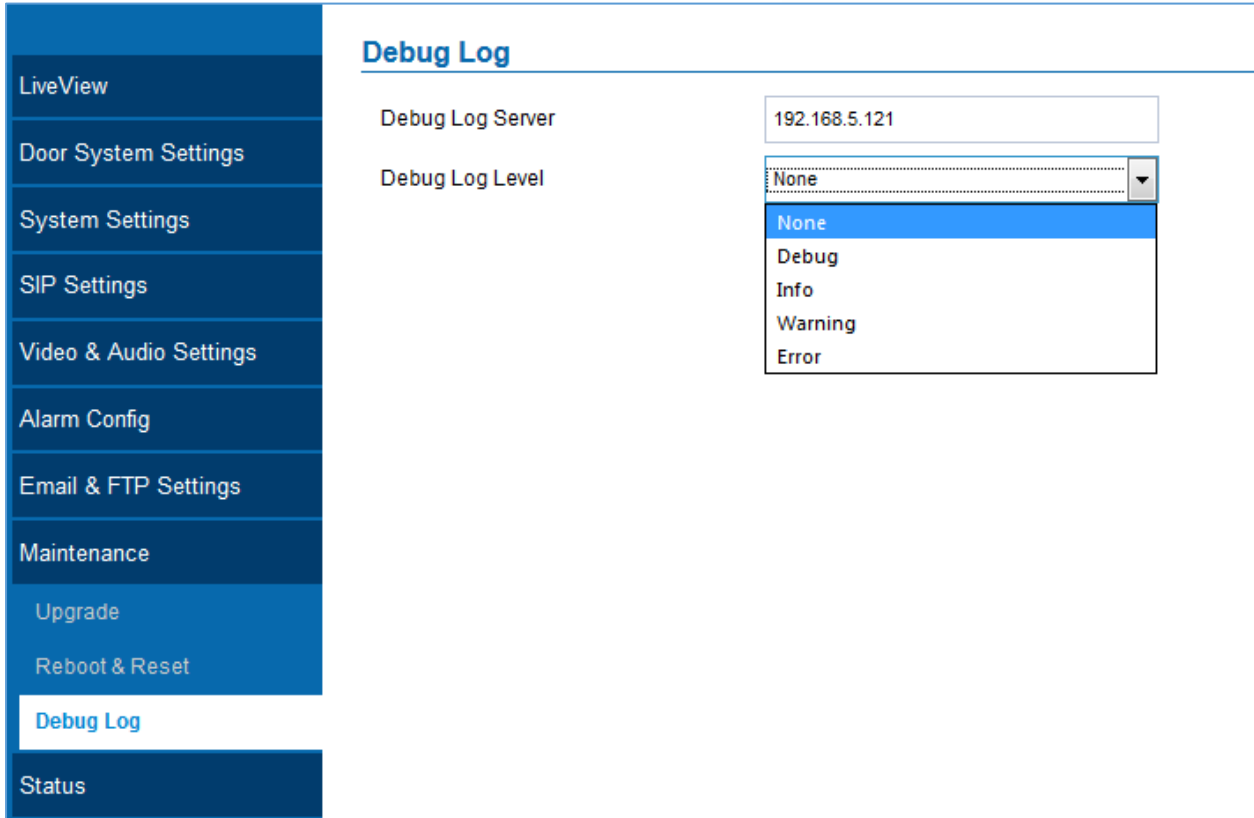


Figure 51: Debug Log Page

Notes:

- Five levels of Debugging are available, None, Debug, Info, Warning, Error.
- Once the Syslog Server and the level entered, press “Save” and then Reboot the GDS3710 to apply the settings.

Status

This page displays GDS3710 system and network information.

System Info

This page displays information such as the product model, the hardware version, firmware...



	System Info
LiveView	Product Model: GDS3710
Door System Settings	Hardware Version: V1.1A
System Settings	Part Number: 9650001411A
SIP Settings	Kernel Version: 1.0.0.13
Video & Audio Settings	RootFS Version: 1.0.0.13
Alarm Config	Prog Version: 1.0.0.13
Email & FTP Settings	System Up Time Since: 1 hour 6 minutes
Maintenance	SIP Registered: Online
Status	
System Info	
Network Info	

Figure 52: System Info Page

Table 27: System Info

Product Model	Show the Product Model.
Hardware Version	Show the Hardware Version.
Part Number	Show the Part Number.
Kernel Version	Show the Kernel Version.
RootFS Version	Show the RootFS Version.
Prog Version	Show the Prog Version.
System Up Time Since	Show the time since the first boot of the GDS3710.

Notes:

- When the SIP account is registered, the status display will be Online
- When SIP account is unregistered, the status display will be Offline

Network Info

This page displays the network system information of GDS3710.



LiveView	System Info	
Door System Settings	MAC Address	00:0B:82:6F:92:55
System Settings	IP Address Mode	DHCP
SIP Settings	IP Address	192.168.5.119
Video & Audio Settings	Subnet Mask	255.255.255.0
Alarm Config	Gateway	192.168.5.1
Email & FTP Settings	DNS Server 1	8.8.8.8
Maintenance	DNS Server 2	8.8.4.4
Status		
System Info		
Network Info		

Figure 53: Network Info Page

Table 28: Network Info

MAC Address	Display the GDS3710 MAC Address.
IP Address Mode	Displays the IP address mode used.
IP Address	Display the IP address of the GDS3710.
Subnet Mask	Display the Subnet Mask used.
Gateway	Display the GDS3710 Gateway.
DNS Server 1	Display the Preferred DNS Server.
DNS Server 2	Display the secondary DNS Server.



EXPERIENCING THE GDS3710

Please visit our website: <http://www.grandstream.com> to receive the most up-to-date updates on firmware releases, additional features, FAQs, documentation and news on new products.

We encourage you to browse our [product related documentation](#), [FAQs](#) and [User and Developer Forum](#) for answers to your general questions. If you have purchased our products through a Grandstream Certified Partner or Reseller, please contact them directly for immediate support.

Our technical support staff is trained and ready to answer all of your questions. Contact a technical support member or [submit a trouble ticket online](#) to receive in-depth support.

Thank you again for purchasing Grandstream Door Phone System, it will be sure to bring convenience and color to both your business and personal life.

