IPG +

The ART of Intercom

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Technical specification and description.

System capacity.

Product range.

Smart phone App: G2Call+.

Configuration.

Diagrams.

<u>Characteristics:</u>

- IP video intercom, which video transmission is using TCP/IP protocol.

- You can share existing networks. → Cost saving.

- Does not require any server→ Cost saving, zero maintenance.

- System based on a Linux platform:

    → Integration: SIP 2.0. Possibility to add audio VOIP telephones.

    → IP Cameras ONVIF*.

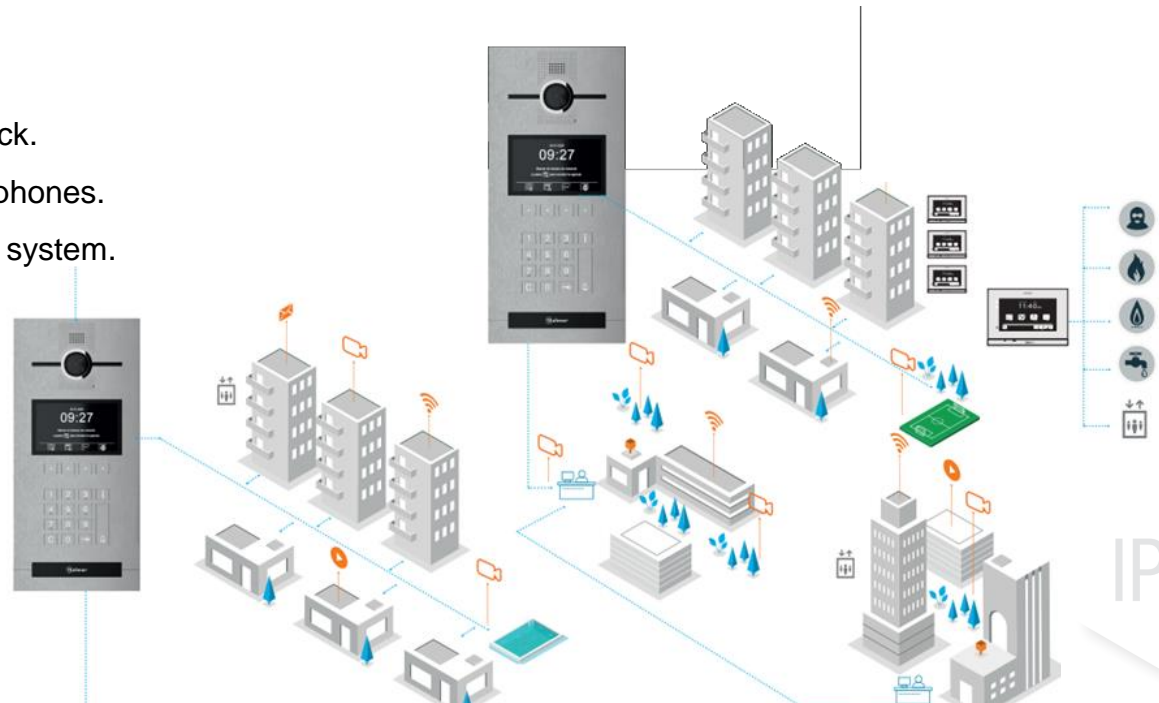- Easy to install and to program→ Does not require IT technical skills → Cost saving.

<u>Benefits:</u>

- Scalable system and upgradable: New FW with new versions or patches can be installed.

- TCP/IP system, easy to project and to implement.

*Consultar para compatibilidad.
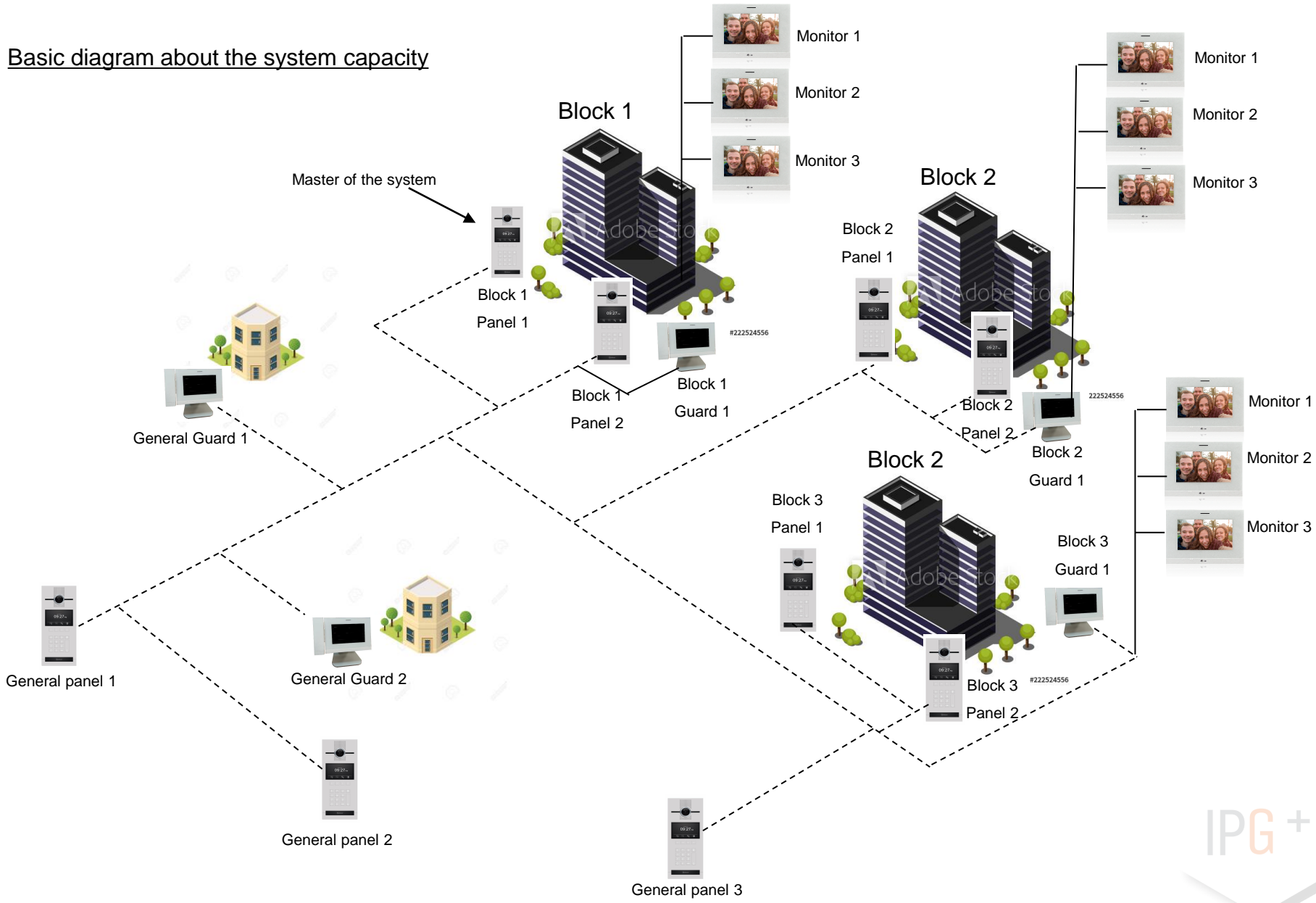
System capacity:

- 98 blocks.

- 19 outdoor entry stations (code panel or push buttons panel).

- 799 apartments at each block.

- 6 monitors per apartment.

- 9 guard units at each block.

- 19 general guard units.

- 19 general outdoor panels.

Others:

- Lift control units. 5 at each block.

- Staircase light relay. 1 at each block.

- Possibility to add VOIP audio telephones.

- 32 ONVIF IP cameras over all the system.

Basic diagram about the system capacity

IPG+

Devices	6502/G+ 6502/G+ Black Nexa Aluminium Nexa Inox ART7/G+ ART7W/G+ PCM/G+ CE-G+
Accessories	LCU-16/G+ Lift control D4L-G+ Switch FA-G+ Power supply SOB-UNI Desktop mount bracket

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6502/G+
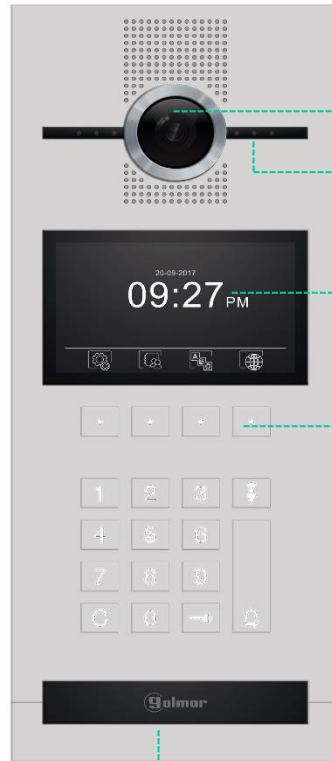
Wide angle - 130º camera 1280*720px.

Night vision LEDS.
Infra red Presence detection.

TFT - 4,3", 480*272 px.
Search the apartments scrolling the list.

Navigation buttons.
Backlit keypad.

Anodized aluminum.
IP-65 weather protection.
Working temperature: -20~60ºC.
Vandalism rate. IK07.
Tamper alarm.
Access control through PIN code.

RFID integrated reader (EM125Khz). Up to 2000 cards/tags.
2 relay - door open contacts.
Crepuscular sensor for illumination light control .

146 (W) 317 (H) 50 (D) mm

Nexa INOX BLACK	Nexa INOX GOLD	Nexa INOX	Nexa Alu

- Nexa panels fronts are available in 4 different finishes.

- Modular compositions can go from 1 to 4 heights.

- The range of push button modules is complete.

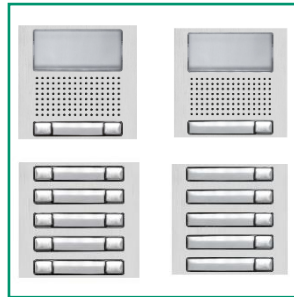- Other modules access control type, or inductive loop can be added.
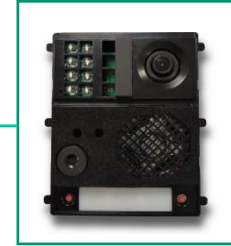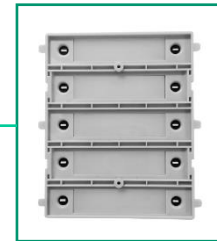
November 2020

Boxes and frames

Accesories

Buttons modules

EL632/G+

EL610D & EL606D

Marco inox

(*) Juntas

(*) Arandelas y tuercas de fijación (x4)

Tapa visor cámara (quitar en sistemas de vídeo)

Módulo rejilla

(*) Arandelas y tuercas de fijación (x4)

Módulo pulsadores

A

B

(1) Tapa

(*)

Seguridad

5º1ª 5º2ª
4º1ª 4º2ª
3º1ª 3º2ª
2º1ª 2º2ª
1º1ª 1º2ª

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IPG+

Wide angle camera130º

Signalization leds

Illumination leds

Mic. and speaker adjustments.

Call buttons.

November 2020

ILA

FW upgrade port

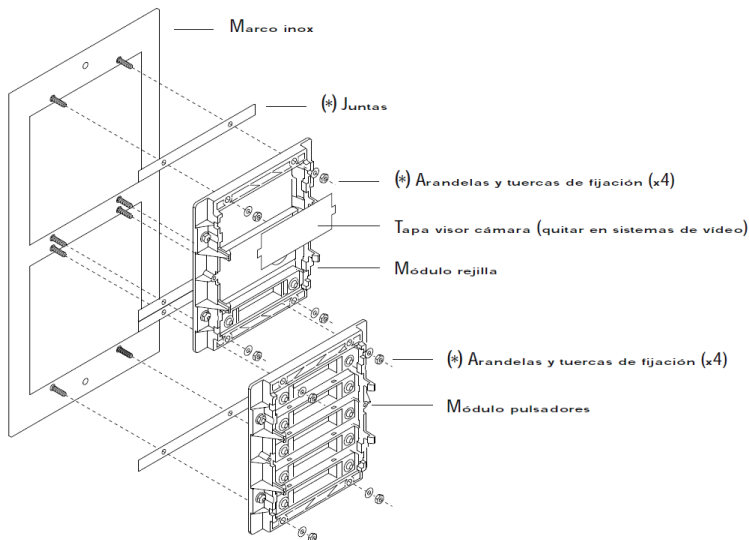. Removable connectors for easier installation

External microphone and speaker connector

EL610D port.

- Allows to register up to 30 SIP servers, to be able to call VOIP extensions registered in different servers→ Offices building.

- EL632/G+ server's page allows to change the address of the buttons at EL610D, it is possible to call a video monitor or a VOIP extension.

- Very suitable for residential or commercial applications.

- External connection of microphone and loud speaker for integrations→ Ticketing machines, area of refuge….

Cámara PIN Hole.

Sensor CMOS 1/3 900TVL.

IR night visión leds

Speaker and microphone.

Call button.

IP-65 Weather protection index.

Surface mount.

45º mount box included.

Reduced dimensions.

43 (W) 141 (H) 23 (D) mm
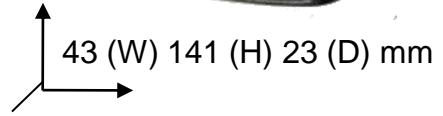
Unlimited features.

7" capacitive screen.

Call to Guard.

Lift Control.

Stair case light control.

DND.

Technical alarms arming.

Smart pone call forwarding activation (W versions).

222 (W) 154 (H) 20 (D) mm
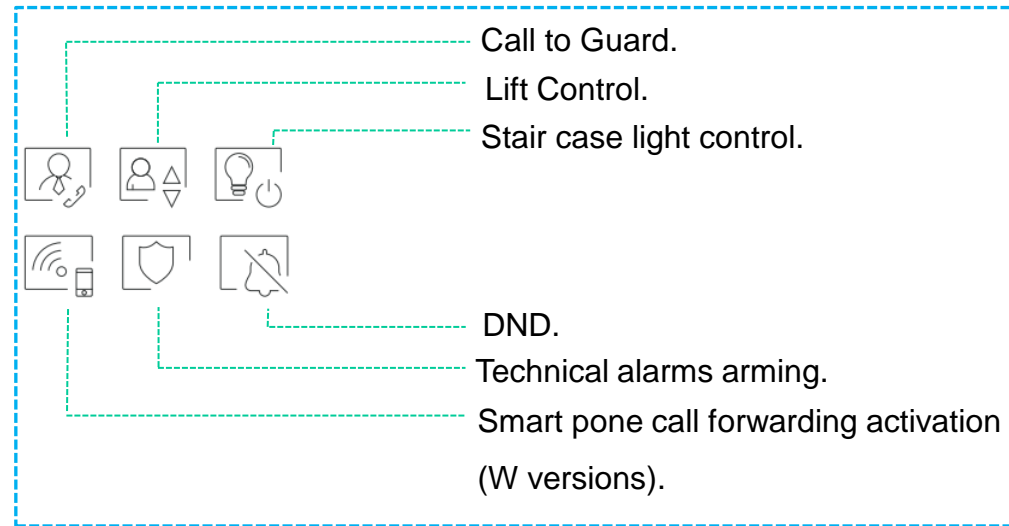
Door panel preview.

Intercom between apartments.

Image memory up to 100 pictures.

Adjustments (melodies, screen, language…).

Text message sending to other apartments.

Voice mail integrated.

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IPG+

Centralized security.

2x4

- 4 Zones monitoring (bypass, always, by arming).

- Alarm detection by dry contact NO/NC.

- Alarms report to main guard.

- Arm and disarm of the zones.

- 12Vdc output in case of alarm (máx 50mA).

- Reception of alarm messages from Guard units in case of emergency.

2

4

2

Door bell input - HZ

Door panel
connection: PCM/G+

IPG⁺

Multiple options for integration.
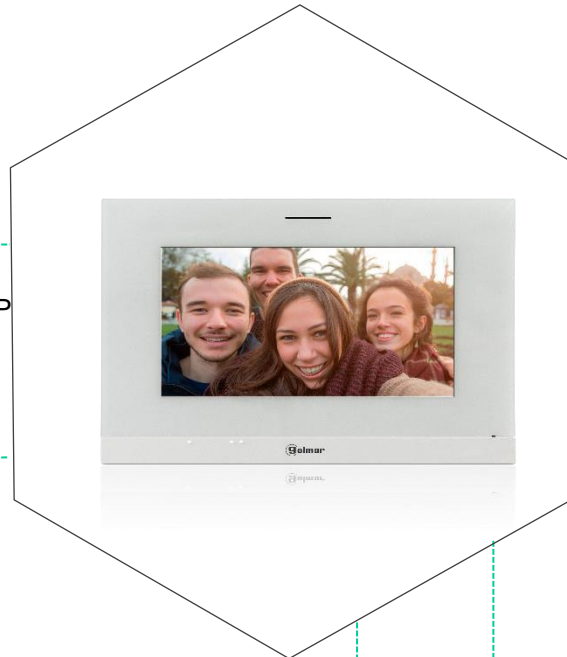
x32

Up to 32 IP cameras,
ONVIF 2.6.
H264

Lift control integration.

Direct call to IP VOIP phones by direct IP address.

Smartphone App.
G2Call+
Android & iOS.

Call to VOIP phones through registration of the units in the SIP PABX extensions trunk.

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Powerful management tool.

Integration SIP 2.0

x32

Up to 32 cameras
ONVIF 2.6.
H264

SOS

Text messages between monitors.

Text messages alarm in case of emergency.

- Door panel preview.
- Intercom with any apartment or guard in the block.
- Image memory up to 100 pictures.
- Adjutments (melodies, call transfer, do not disturb…).
- Text messages to apartments. Broadcast option.
- Call forwarding to any other unit in the system.

- Door panel calls to monitor.

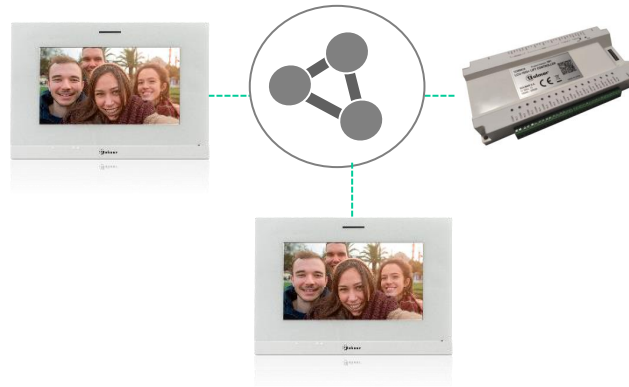- Monitor opens the door.

- LCU close relays for monitor (*basic*) and panel (*advanced*) floors

- Monitor intercoms with an apartment.

- Monitor accepts the visit of the other apartment.

- LCU close relays corresponding to those floors.

- *Only advanced mode.*

- Tenant enters into lift.

- Tenant presents the card to the reader.

- LCU close the relay corresponding to the tenant.

- *Advanced and basic mode.*

Two operation modes.

- Mode 1: Basic.

- Mode 2: Advanced.

D4L-G+/POE

FA-G+

- 4 distributed outputs.
- Connector IN-OUT
- Local power supply or from the riser

- Power supply. 18Vdc 3,5A.
- Allows up to 8 devices.

Nexa panels

				FUENTE ALIMENTACIÓN	DISTRIBUIDOR POE	CONTROL DE ASCENOR
6502/G+	6502/G+ BLACK	CE-6502/G+	PCM/G+	FA-G+	D4L-G+/POE	LCU-16/G+
12327402	12327412	12396502	12325401	12340100	12358940	12380616
146(An) x 317(Al) x 50(P)mm	146(An) x 317(Al) x 50(P)mm	128(An) x 306(Al) x 44(P)mm	43(An) x 138(Al) x 23(P)mm	138(An) x 90(Al) x 60(P)mm	70(An) x 90(Al) x 30(P)mm	210(An) x 100(Al) mm
			INCLUYE BASE ANGULAR			

ART 7W/G+	ART 7W/G+/PCM	ART 7/G+	ART 7/G+/PCM	CE-G+	SOB-UNI
12310710	12310711	12310701	12310702	12379702	12192202
222(An) x 155(Al) x 15(P)mm	222(An) x 155(Al) x 15(P)mm	222(An) x 155(Al) x 15(P)mm	222(An) x 155(Al) x 15(P)mm	255(An) x 155(Al) x 15(P)mm	160(An) x 175(Al) x 140(P)mm
REGLETA INCLUIDA	REGLETA INCLUIDA	REGLETA INCLUIDA	REGLETA INCLUIDA	REGLETA INCLUIDA	OPCIONAL
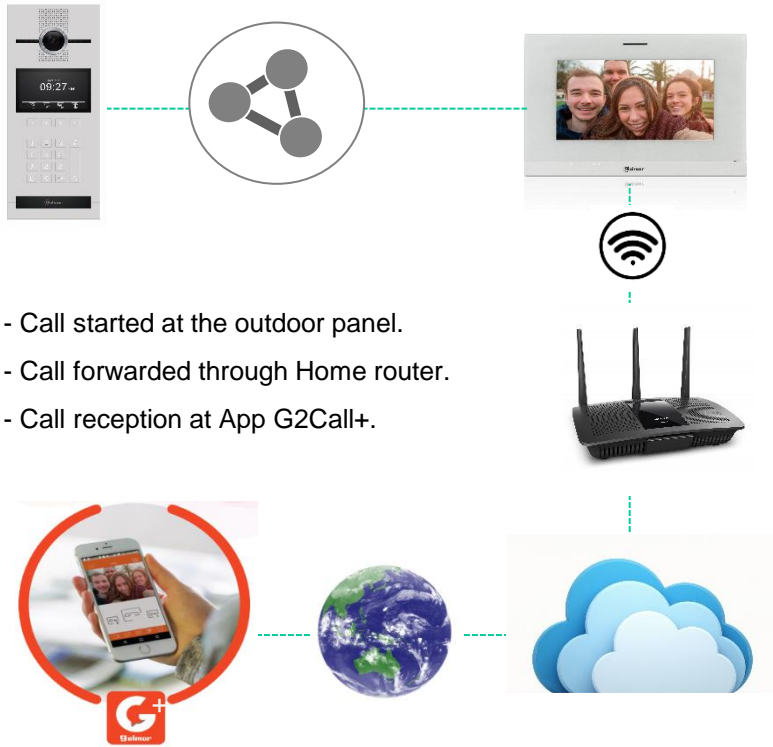
- Call started at the outdoor panel.
- Call forwarded through Home router.
- Call reception at App G2Call+.

Answer your intercom call from anywhere in the world.

Enjoy multiple integrated functinoalities.

App
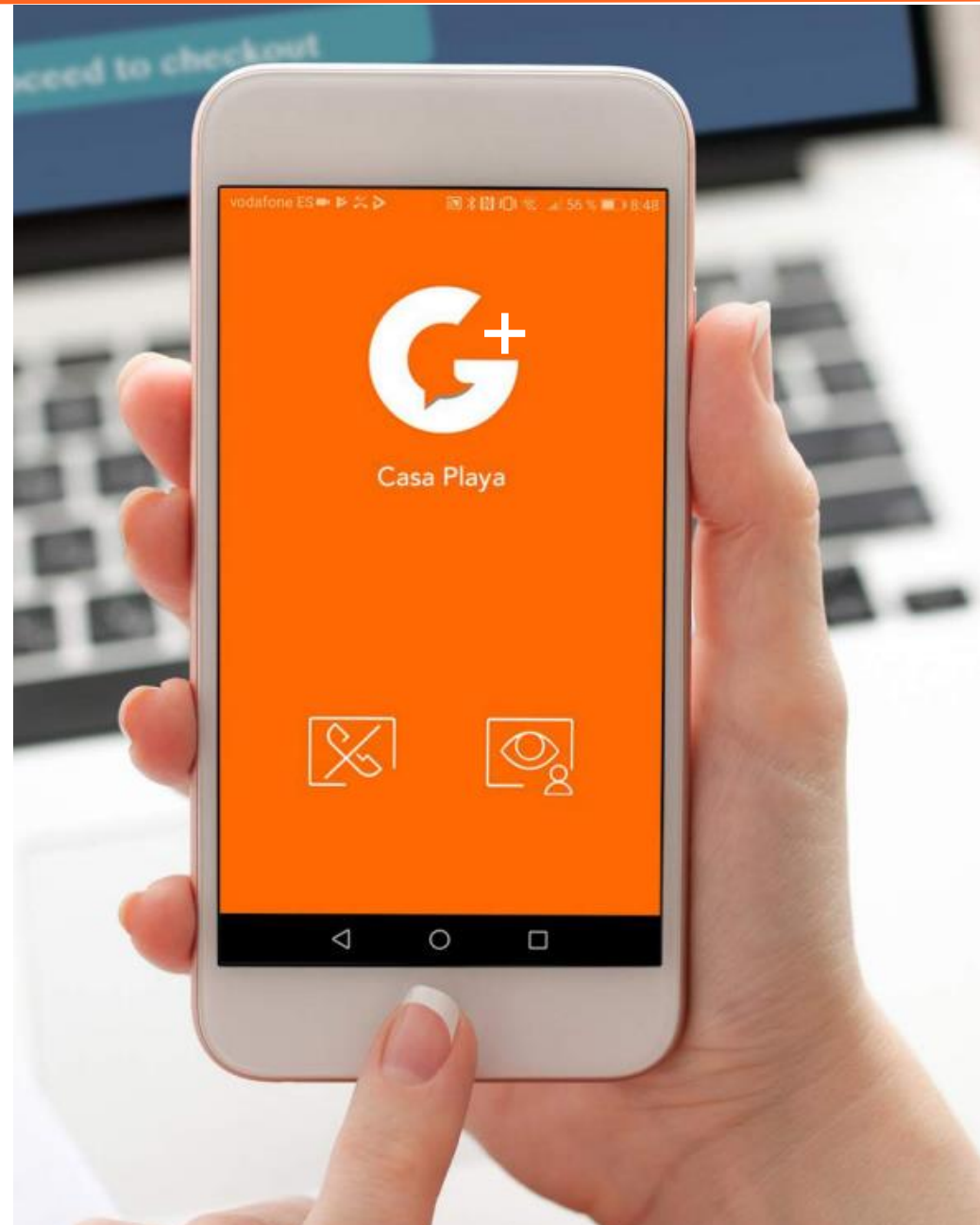
Available for Android & iOS.

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IPG +

Push notifications in the smartphone.

Record pictures and videos.

Share them easily.

Multiple adjustments in the App:

- Preview in listening mode.

Two relay door control.

Full screen visualization.

Easy and intuitive user menu.

Tablets and smartphone adaptative format.

Communication and Security in one App.

Add as many devices as needed.

Remote control function.

Open the lock with a direct button in the App.

Arm and disarm the alarm.

Alarm notifications in APP.

Door open PIN protected.
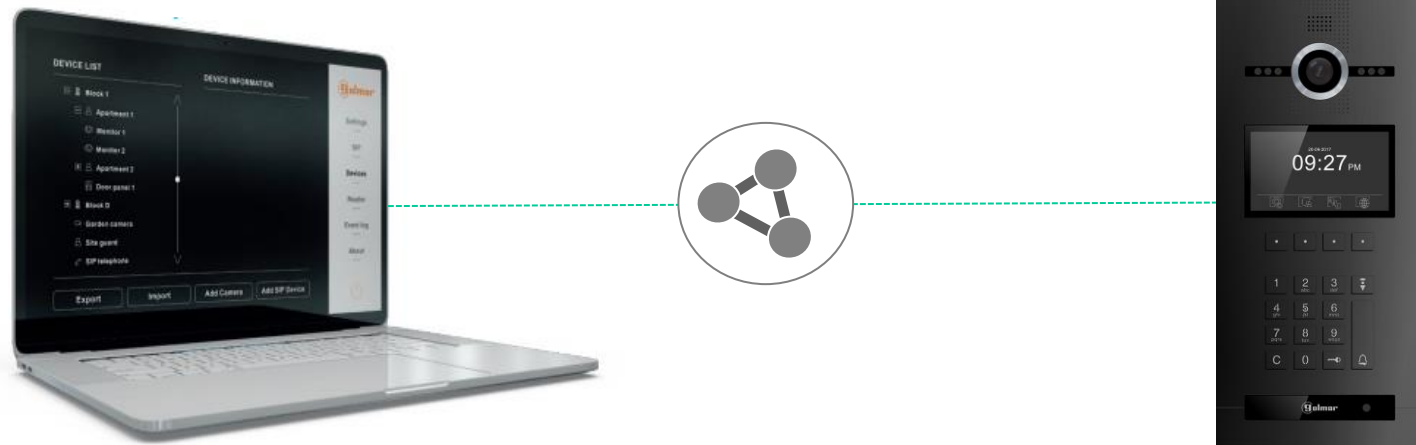

Event log.

Search by date or sort by type.

Residential Wifi cameras integrated.

For a basic configuration of the system it is not necessary any computer or Technical skill in networks.

In the basic configuration, the IP addresses are assigned automatically.

When monitor starts, it would start in registration screen.

- For advanced configuration a computer with a web browser will be enough. We can connect the browser to the IP of the master panel or any of the devices in the network.

Advanced configuration allows:

- Set the IP address manually if required, if the LAN is propietary we recommend to use Automatic setting.

- Registration of CCTV IP ONVIF cameras and define the visualisation permissions.

- Registration of VOIP SIP phones.

- Registration and setting of LCU: Lift control units.

- Export the events log, the backup file of the panel and the registered tags file.
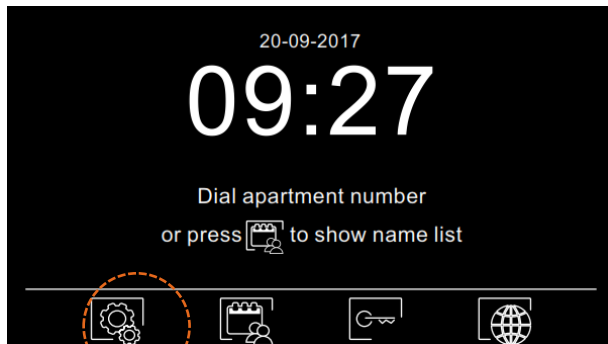
Step 1: Set the master panel.
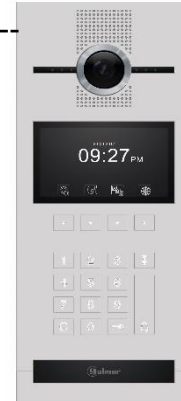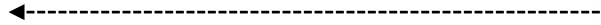
Note: The panel which Will act as Master, is the one set as panel 1 at block 1.

Masetr panel is the one which saves all information of all the existing system devices.
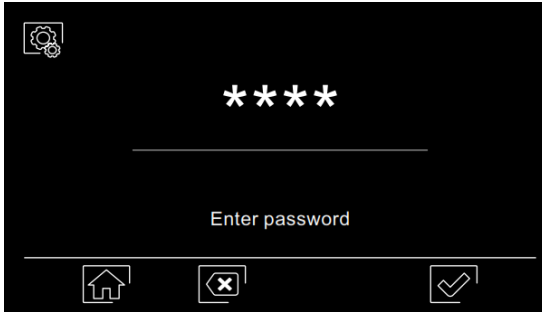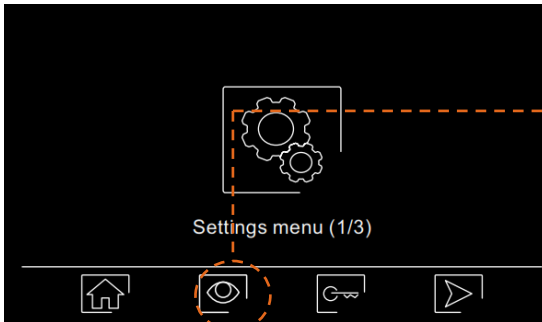
1 – Set the language by accessing the laguage settings.
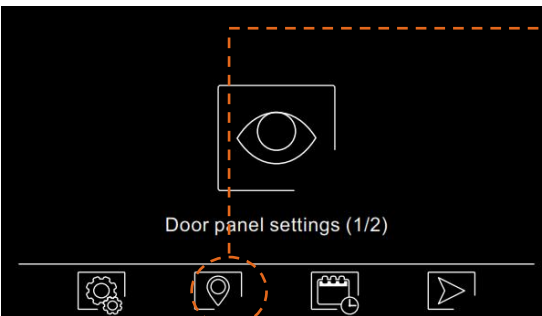
2 – Access into panel configuration.

Step 1: Set the master panel.

3 – Type the installer PIN.

4 – Access the panel configuration.

5 – Access the panel location option.

    - Set the dialing length: 5/6

    - Set block number 1.

    - Set panel number 1.

Select the IP settiong mode: Automatic/Manual. If set to automatic the IP address will become (IP 10.0.14.9).

To setup the other panels follow the same steps.

Step 2: Registration of a monitor. ◄------------

Note: The master panel, is the one we set as panel 1 at blovk 1. This panel must be resgistered (step 1) and must be online to continue registering the other devices.

◎ Address

Dialing code length	◁ 5 ▷	------------- Length of the dialing code: 5 or 6.
Block number	1	------------- Block number 1 to 98.
Apartment address	1	------------- Apartment number 1 to 799.
Monitor unit	◁ 1 / 6 ▷	------------- Monitor number within same dial code: 1 to 6.

------- Register the monitor.

Step 3: Guard units configuration
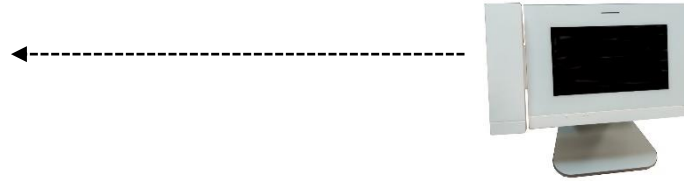
Note: Master panel (panel 1 at block 1) should first be configured (step 1).

Length of the dialling code: 5 to 6.
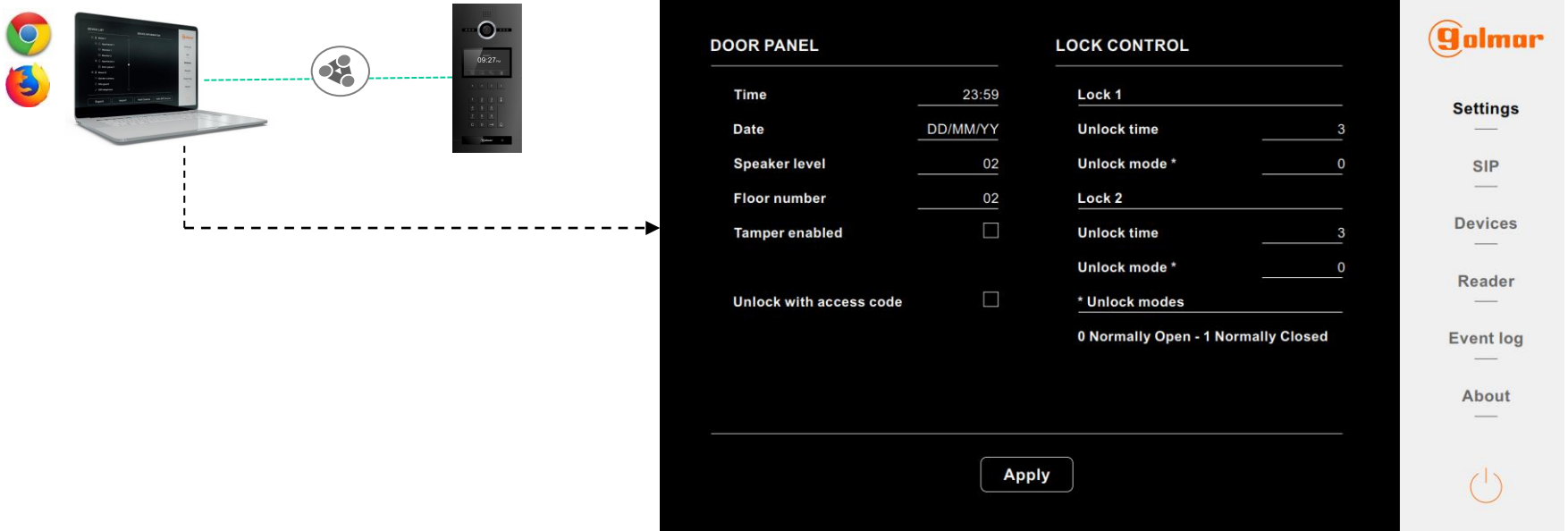
Block number: 1 to 98.
* if general guard, need to set block 99.

Guard unit: 851 to 859.
* if general guard, need to set between 901 and 919

Registration of the guard.

To proceed with the advanced configuration options need to connect a computer to the network. .

To get connected to the entry panel it should be used a web-browser like Chrome and connect to the panel IP address.

    - The address of the panel will be 10,0,14,9 in case automatic registration mode was selected.

    - Web-browser Will display the HTML page showing the panel parameters.

Under the section device are shown those devices that have been already registered.

Through the web-browser can be added CCTV cameras or SIP devices.

In the SIP section, we can define the SIP PABX parameters to register the panel into SIP PABX trunk as an extension.

In the Reader section we can create a file with the registered tags. This file can be uploaded to other panels.

In the Event Log section, can be downloaded a file containing all information about the logs of the panel.

Step 4: Add VOIP SIP telephone units.

In Devices section, you will find an option to add SIP devices.

It exists two methods to add SIP devices or VOIP SIP.

Calling through extensión. Unknown IP.

- Device registered in the trunk of a SIP PABX.
  - *Should let know the extensión number.*
  - *Should register door panel in the SIP PABX extensions trunk.*

- VOIP device with static IP connected in the network.
  - *IP address of the SIP VOIP pone cannot be the same as any other monitor ior G+ device..*
  - *SIP Phone IP address must be in the same range as the door panel. .*

Calling by the static IP.
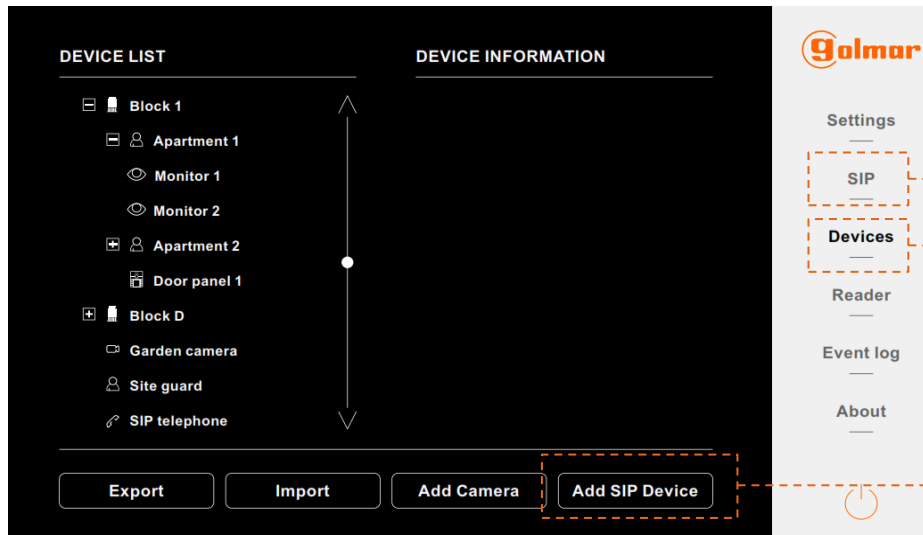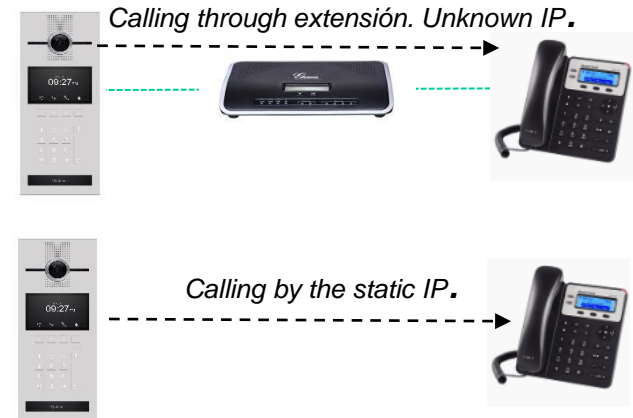
Register here the panel into a SIP PABX server.

Access Devices to list all registered devices in the site.

Add VOIP SIP devices wich will appear in the panel list And monitor's contacts list.

Step 5: Add CCTV IP cameras.

You could add up to 32 CCTV IP cameras with ONVIF* protocol.

Once the camera has been added, the permissions can be set, to allow preview of this cameras from certain devices.
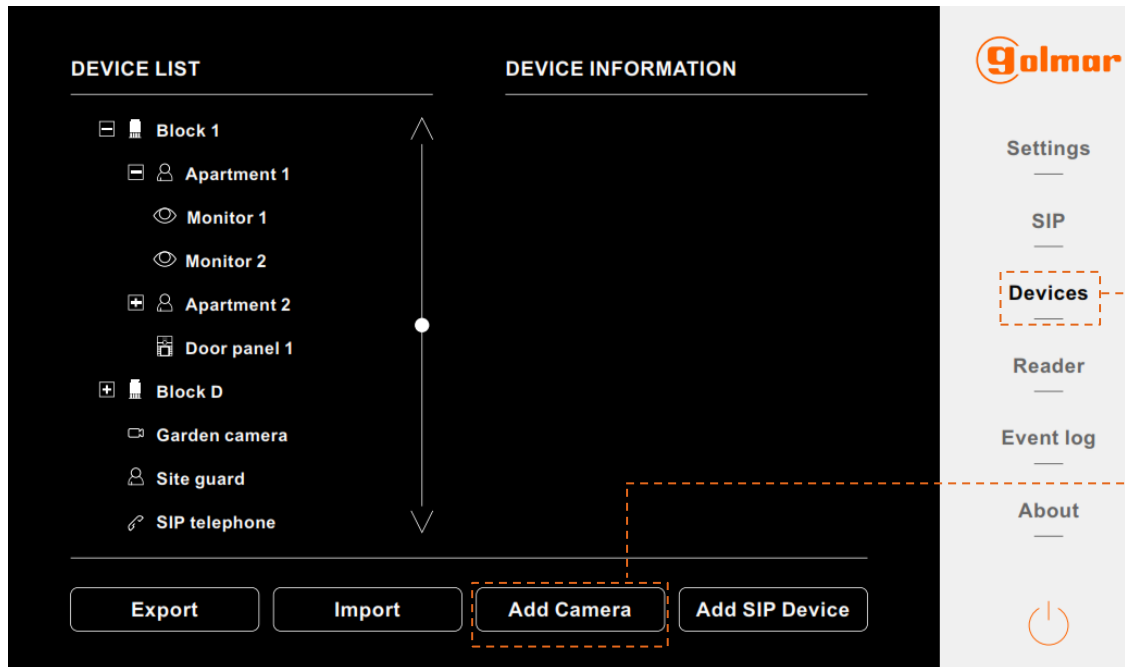
Access Devices to see the registered units in the site.

Access "Add camera".

The IP address of the camera should be in between 10.28x.x a 10.254.x.x in the automatic setting.

*Golmar recommends Golmar IP CCTV cameras. Otras brands are subject to compatibility.

Step 6. Add lift control units LCU-16/G+

- At each block, you can add a Group of 5 Lift control units (LCU). Each Group can control one lift.

- So, 5 independent lifts per block can be managed.

- Each of the groups can be composed by 6 LCU units, what represents to control 96 floors (16*6).

- Access to LCU-16/G+ webserver menu by using a browser.

- First time connected to LCU need to log into IP 10.0.0.252 or 10,0,0,253

Access the settings page.

Select the Group where this LCU belongs.

Set the operation mode: Basic or advanced.

IP**G**+

12Vcc

12Vcc

12Vcc

12Vcc

12Vcc

12Vcc

12Vcc

12Vcc
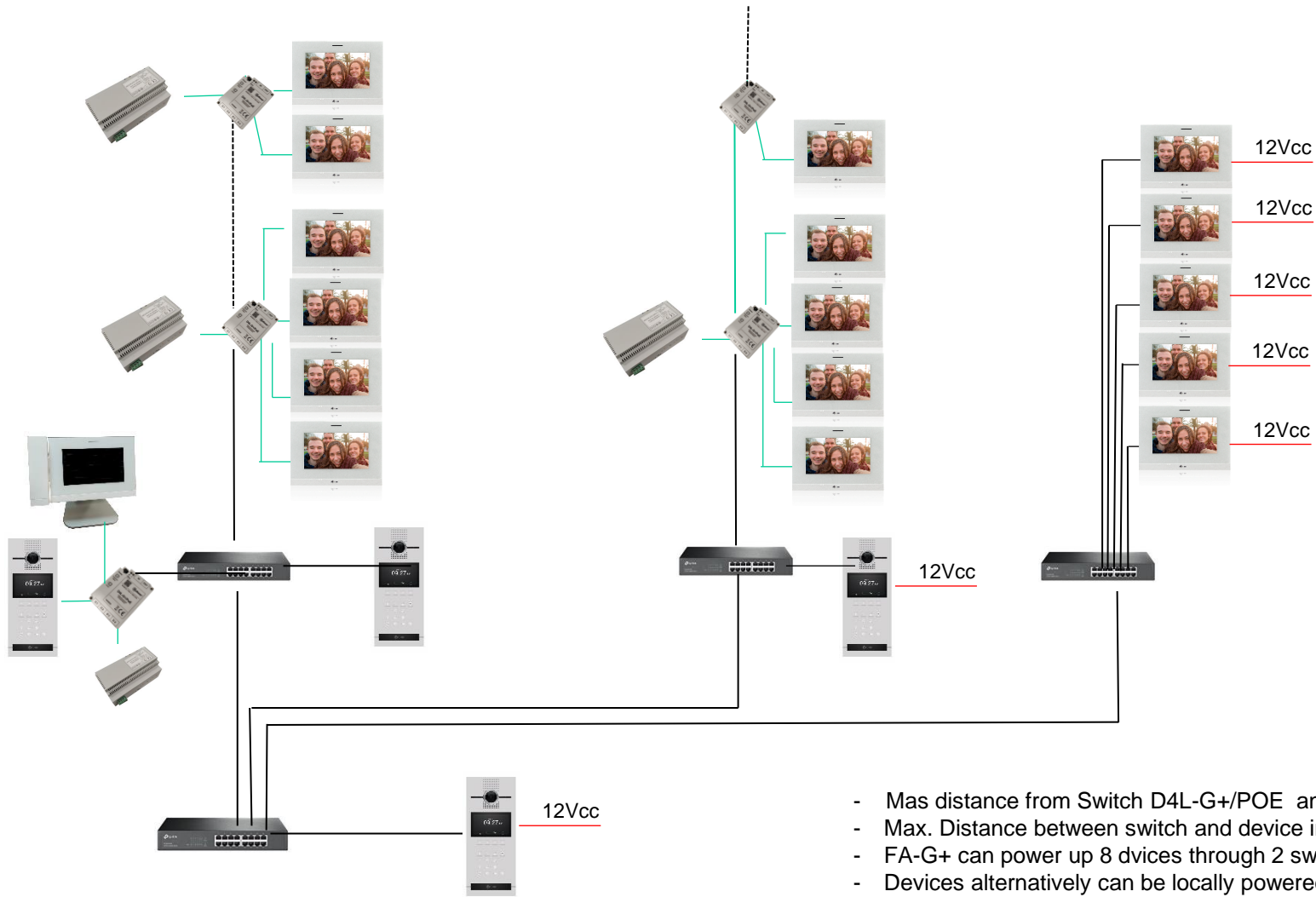
- Mas distance from Switch D4L-G+/POE and a device is 70m.
- Max. Distance between switch and device in LAN section is 96m.
- FA-G+ can power up 8 dvices through 2 switches D4L-G+/POE
- Devices alternatively can be locally powered through 12 Vdc.

——— Alimentador 12Vcc	——— LAN Red.
Fa-G+	——— D4L-G+/POE - 18Vcc

Ethernet switch

D4L/G+/POE , 18Vcc switch

Thanks!.

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