

**golmar**



**The intercom DNA**

## GOLMAR, THE ENDORSEMENT OF A HISTORY.

Golmar's history has been characterized by a clear and dedicated search of the excellence.

Golmar Sistemas de Comunicación S.A. was set up in 1954. The first door intercom was developed in 1958, followed some years later by the video door intercom, which today has become the most important product.

Export has been a main activity of the company since 1968. Currently, it accounts for more than 65% of production and has extended to over 45 countries, particularly to the demanding European Community members.

In 1994, the company was the first in Spain to develop a digital video intercom system, being a clear example of innovative products. A key factor for success is the ability to develop new products and adapt them to each market's specific requirements.

During the last quarter of 1997 it moved to its current premises located in a modern, 6,500 m<sup>2</sup> building, minutes away from Barcelona Airport as well as from downtown.

Golmar was the first Spanish company in the field to obtain the ISO 9000:2000 Certification, granted by the prestigious Swiss company SGS in 2001.

In 2004, it celebrated its 50th anniversary and created subsidiaries in some European countries.

The company currently employs more than one hundred people, where the Innovation Department approximately represents 10% of the total staff.

All in all, Golmar has embarked on an ambitious project, so as to become one of the main European manufacturers of the video door intercom field.



ISO 9001:2008  
certified



### Woolloomooloo Finger Wharf - Sidney (NSW)

Historical largest wooden structure in the world, renovated into 300 private apartments with Szena "Plus" monitors.





## WE HAVE THE FORMULA.

Golmar has always spearheaded innovation by offering innovative systems and products with high aesthetic standards, with the focus to communicate and to protect.

Taking advantage of being a pioneer in the development of digital communications systems, Golmar applies advanced technologies into their systems. Installers and end users enjoy the countless features that these systems offer.

The following technologies are available in Golmar's product range:

**"GB2"** is the newest 2 wire digital BUS. A system specially developed for medium size buildings of up to 256 apartments, that provides outstanding features: intercom between apartments, connection to GSM telephones, picture memory, ... Discover all these features and much more inside the new VESTA and PENTHA hands free monitors, as well as on the new NHEA hands free audio unit. The new JAZZ surface door panel for villas joins this amazing technology too.

**BEOVIEW «iPlus»** Full IP digital system, allows connection of door entry panels and video monitors by using a new or an existing LAN infrastructure. The LAN can be shared with other IP devices. The monitors and panels are connected with a simple RJ-45 connector coming from a PoE switch. Intercom between apartments, image memory and message broadcast service are some of the multiple features of this new intercom generation. Never was the intercom so powerful and easy to install !

Our best selling digital BUS: **"PLUS"**, that uses 3 wires + coaxial cable or 4 wires + twisted pair (CAT5) for video systems, or 4 wires for audio only systems. This system is able to manage up to 255,000 monitors or telephones distributed in a total of 255 buildings, with an unlimited number of accesses to each building. And, as always, without switching units.

Don't take any risks, benefit from the best solution for your installations; nobody knows better than Golmar about digital systems.



**Seapearl Ataköy - Istanbul**  
Luxury condominium network linked with around 700 apartments and 60 coded panels.

**Maslak 1453 - Istanbul**  
One of the largest full IP intercom projects in the world. More than 4,000 apartments and about 200 coded panels network linked along 320,000 sqm area.

# NEXA INOX

Nexa Inox has all the advantages provided by the use of Nexa Aluminium internal modules, but under a hardcore skin.

The 2.5mm thick ANSI 304 stainless steel, used in both frame and modules, makes it resistant against acts of vandalism. The exclusive treatment to avoid corrosion and the permanent cold white illumination makes this panel the ideal option for the most distinguished homes and buildings.

As an option, panels can have PVD treatment, offering a lasting finish in brass, bronze or gun metal colours. RAL® colour painting is also available.



Nexa Inox frames are available in three different heights, for one, two and three modules. Frames can be horizontally linked to create the largest possible configuration of panels.



134(W) x 150(H) mm  
5.28"(W) x 5.91"(H)



134(W) x 267(H) mm  
5.28"(W) x 10.51"(H)



134(W) x 384(H) mm  
5.28"(W) x 15.11"(H)

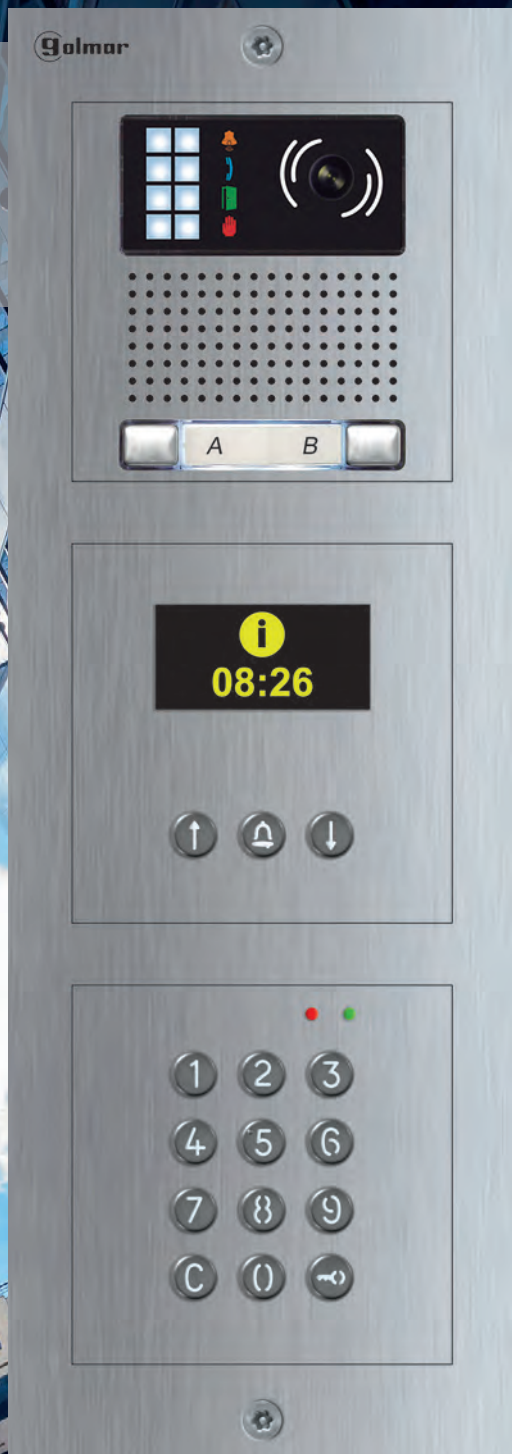
The interchangeable single to double button, and the keypad buttons are backlit and stainless steel covered.

Thanks to a wide variety of modules and accessories, you will be able to create the door panel that best matches your project.



Brass finish option





The video modules include a colour camera with wide angle lens and white led for night vision. To assist hearing impaired visitors, the coloured icons light depending on the system status: call is in progress, you can speak now, lock is activated or system is busy. On “GB2” systems, voice messages are reproduced during the different system status, helping blind visitors in several languages.

Coded panels can be tailored depending on the needs: numeric keypad module or display module only or a combination of the above. When combined, it is also possible to add an alphabetic keypad (letters A to L).

The multilingual display module (OLED technology) shows information about the apartments (calling code, tenant name, ...), checks the status of the apartment units and helps during system programming through the keypad. The built-in USB™ port allows system programming by using a computer. A wireless module can also be connected to manage the system through handheld devices like smartphones.

The coded panels using the numeric keypad module benefit from the endless access control features.

Access control modules.  
Through numeric keypad,  
near field communication (NFC)  
or fingerprint readers.

USB™ and wireless  
programming



ILA module.  
Induction Loop Amplifier  
for hearing impaired visitors.



Alphabetic and numeric  
keypads.





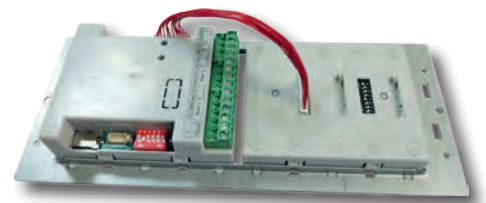
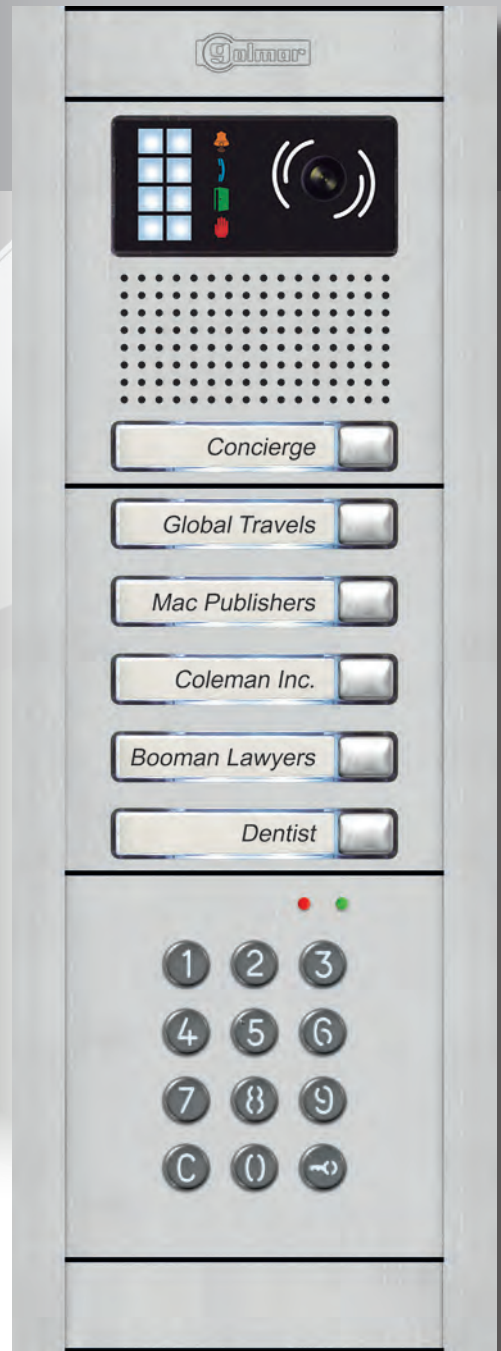
Nexa is the flagship modular panel from Golmar. Its lateral profiles not only makes the panel more robust, but gives the sensation it is floating on the wall. Much more than just a piece of metal.

The 1.8mm thick aluminium of the modules, and 4mm thick of the lateral profiles, ensure bond strength between the door panel modules. The anodized treatment makes it easy to clean.

Nexa frames are available in four different heights, for one, two, three and four modules. Frames can be horizontally linked to create the largest possible configuration of panels.

The interchangeable single to double button, and the keypad buttons are backlit and stainless steel covered.

Enjoy Nexa and do your job with ease. The internal modules, with detachable connectors, easy connections through flat cables and pre-wired push buttons will save you effort, time and money.



Thanks to a wide variety of modules and accessories, you will be able to create the door panel that best matches your project.



# NEXA

## ALUMINIUM

The video modules include a colour camera with wide angle lens and white leds for night vision. To assist hearing impaired visitors, the coloured icons light depending on the system status: call is in progress, you can speak now, lock is activated or system is busy.

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ILA module.  
Induction Loop Amplifier  
for hearing impaired visitors.



Alphabetic and numeric  
keypads.



USB™ and wireless  
programming



Access control modules.  
Through numeric keypad,  
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128(W) x 460(H) mm  
5.04"(W) x 18.11"(H)



128(W) x 358(H) mm  
5.04"(W) x 14.09"(H)



128(W) x 256(H) mm  
5.04"(W) x 10.08"(H)



128(W) x 153(H) mm  
5.04"(W) x 6.02"(H)

The coded panels using the numeric keypad module benefit from the endless access control features.

# TEKNA

Tekna is the handset type apartment units of Golmar. The symmetry of its lines and the avant-garde design set a path on the decoration of any atmosphere.

The audio only unit is available in all Golmar technologies, and its main characteristics are:

- Casing manufactured in ABS RAL9003 colour.
- Lock release push button.
- Detachable telephone cord with connectors.
- Telephone base with several fixing points.
- Surface or desktop installation.
- As options:
  - Additional push button.
  - Call volume regulator with mute function.

The digital models offer privacy on audio communications and the lock release button is also used to call the concierge. An input for a door bell apartment push button is available, that saves the use of a door bell.



86(W) x 220(H) x 56(D) mm  
3.39"(W) x 8.66"(H) x 2.20"(D)



The concierge unit is based on a tuned Tekna monitor, with the following added characteristics:

- Laser engraved touch keypad.
- Electronic lock that requires a PIN code to switch the concierge unit on.
- A camera can be assigned to the concierge unit, that will be displayed on the apartment monitor during conversation with the concierge.
- Intercom function with a secondary concierge unit.
- Management of up to 255,000 apartments in a total of 255 buildings with coded door panels (1,000 apartments on each building).
- Easy system programming through the keypad or by using a computer with USB port.
- Selectable language.
- Two calling methods: direct entry of the apartment code or by searching the tenant name in the repertory.





200(W) x 220(H) x 54(D) mm  
 7.87"(W) x 8.66"(H) x 2.13"(D)

The Tekna monitor is available for "Plus" systems only. It has been recently equipped with a 32 bits microprocessor, becoming even more powerful than previous versions.

In between the new features, the most remarkable are the introduction of an alternative programming through dip switch, as well the availability of a RJ-45 connector, that makes the wiring easy and quick when using CAT 5 cable. Other characteristics are:

- Casing manufactured in ABS RAL9003 colour.
- 3,5" colour TFT LCD screen.
- Three positions call volume regulator.
- Detachable telephone cord with connectors.
- Surface installation through wall mounting connector.

- Privacy on audio, video and door open progresses.
- On-Off push button with light indicator.
- Video spy and autoswitch-on functions.
- Dual video signal reception: twisted pair or coaxial cable.
- Input for door bell apartment push button that saves the use of a door bell.
- Selectable call reception tones.
- Uses the lock release push button to call to the concierge unit.
- Activation of auxiliary devices (second camera, lift controller, ...).
- Intercom function between units in the same apartment.



DIP switch programming



RJ45 connector

As most new buildings constructed are to be equipped with broadband connections, and existing constructions are being upgraded to the same specifications. Homes will benefit from the many applications that IP technology offers through the common infrastructure: TV, internet, ... and video intercom. No need to use dedicated wiring: just plug the units to the existing LAN.

Feel the difference when using an IP video intercom not based on standard operating systems: all actions are instantaneous as the system is not processing unnecessary tasks. A peer-to-peer solution that runs **without any server**, therefore the system never becomes blocked.

Thanks to its multichannel capability, the visitor will never hear the busy signal again. The number of units that can be used in one system is almost unlimited (supports Class A, B and C Ethernet networks), made possible by the minimal bandwidth required.

Distances will never be a problem again. The system can be used on WAN environment or over fiber optics infrastructure, allowing communication at distances never imagined. Maintenance, changes and upgrades can be remotely made.

Take a look to the apartment units: the most compact sized and mechanically perfect.

### SIMPLY POWERFUL



155(W) x 370(H) mm  
6.10"(W) x 14.57"(H)



PoE power.



Serverless.



Real time, NO delay.





102(W) x 140(H) mm  
4.02"(W) x 5.51"(H)

Door panels with IP technology are available under several skins. It is possible to create any push button configuration, thanks to the Nexa panels flexibility.

The **PCM** (Private Call Module) unit is an indoor door panel, specially designed to be placed at the entrance of each apartment. Some of the most remarkable characteristics of this panel are:

- Front of 4mm. thick anodized aluminium.
- Available in light gray or black finish.
- Capacitive touch call button with light confirmation on push.
- Camera and call button tempered glass protected.

**7402/IP LCC** is a dedicated coded door panel, that allows calling to a large number of apartments with reduced dimensions. Some of its characteristics are:

- Front of 2.5mm. thick manufactured in ANSI 304 stainless steel.
- Stainless steel keypad with blue illumination.
- 5mm. thick polycarbonate camera window and TFT protector.
- 3,5" colour TFT LCD screen and reserved space for the installation of a proximity reader.

Other features of the IP based Beoview door panels are:

- PoE powered units with RJ45 connector (IEEE 802.3af, 48Vdc, 5W).
- Supports Class A, Class B and Class C Ethernet networks.
- 640 x 480 VGA camera with 120° wide angle lens.
- Real time audio and video transmission.
- Video streaming at 25 fps, with adjustable bandwidth from 1Mb to 7Mb.
- HD echo cancelling processor.
- Multichannel conversation.
- Panel label, to be shown on the monitors.
- One call button or dial number can contain several IP addresses (apartment units) and one IP address can be reached through several dial numbers or buttons.
- Calls can be transferred to a selectable IP address in the case that apartment unit called doesn't reply or during a period of time.
- One potential free relay output (two in case of coded panel), for the connection of lock releases, with selectable lock activation time from 1 to 59 seconds.

Additional features on coded panel only are:

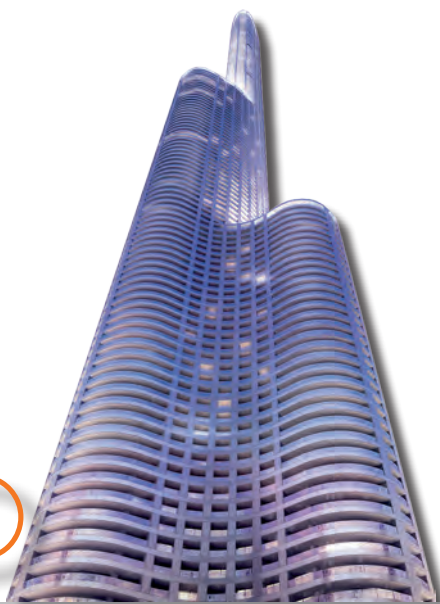
- Two calling methods: direct entry of the apartment code or by searching the tenant name in the repertory. Dedicated button for concierge direct call.
- Hundred codes access control of up to six digits each.



# BEOVIEW



beoview



#### CUSTOMERS AWARDED.

There is no better prize for a product than to be selected by the customer.

Thanks to the premium materials, aluminium and glass, and the incredible slim design, this monitor and the private call module have been selected, by one of the world's most important fashion designers, as part of the interiors of the luxury residences at The World Towers project in Mumbai.

Beoview monitors are available with 4.3" and 7" screens.

# BEOVIEW





Beoview 4

156(W) x 102(H) x 13(D) mm  
6.14"(W) x 4.02"(H) x 0.51"(D)

Beoview 7

220(W) x 134(H) x 13(D) mm  
8.66"(W) x 5.28"(H) x 0.51"(D)



The main characteristics of Beoview series monitors are:

Casing manufactured in ABS RAL9005 black colour.  
Light gray or black anodized aluminium sides.  
4.3" or 7" TFT LCD with capacitive touch screen.  
Surface installation of 13mm. depth only.

Serverless system: doesn't require a computer connected to the network.  
PoE powered units with RJ45 connector (IEEE 802.3af, 48Vdc, 6W).  
Supports Class A, Class B and Class C Ethernet networks.  
Easily upgradeable firmware, being possible to add new or under request features over already installed systems.

Real time video streaming.

Intuitive graphic user interface.

Full duplex audio communication with HD echo cancelling processor.

Privacy on audio, video and door open progresses.

Call volume regulation.

Do not disturb function and microphone mute with light indication.

Video spy and autoswitch-on functions of all panels being able to call the monitor. Up to 8 monitors can simultaneously track the same panel.

Intercom function between apartment units on the system. Two calling methods: virtual keypad and tenants list.

On screen labeling, showing information of the calling panel or apartment.  
Picture memory of missed calls, with time and date stamp. Missed intercom calls are also stored.

Possibility of voluntary recording during call reception or conversation.

Messenger service with four priority levels. Any existing computer on the network, or remotely through VPN connection, can send text messages to all / selected monitors.

Programmable input for door bell apartment push button, that saves the use of a door bell, or alarm connection that sends a panic message to the porter's exchange.

Different call reception tones depending on where the call is coming from: door panel, door bell switch and concierge unit.

Connection to unlimited porter's exchanges with panic call facility.

Voltage output for connection of a call repeater.



The concierge unit is entirely made of aluminium, including the handset.

# VESTA

## & NHEA

Vesta is the new Golmar range of hands free colour monitors available with 4.3" and 7" screens, while Nhea is the audio only compatible version.

These hands free units are powered with our exclusive **two wire technology**, "GB2", that has been specially designed for medium size projects that require amazing features.

The slim design and the acrylic glass with cold white finish, matches any interior design.

All units have dip-switch for easy programming. The capacitive touch buttons with acoustic confirmation on press and the multilingual graphic interface facilitate the use of the units.

Thanks to their improved viewing angle screen, Vesta monitors can be installed as low as required by the users (disabled people with wheel chair, kids, ...), maintaining the perfect picture quality. As an option, monitors can also have an induction loop amplifier (ILA), allowing hearing impaired people to use their hearing aid devices when set to the T position.

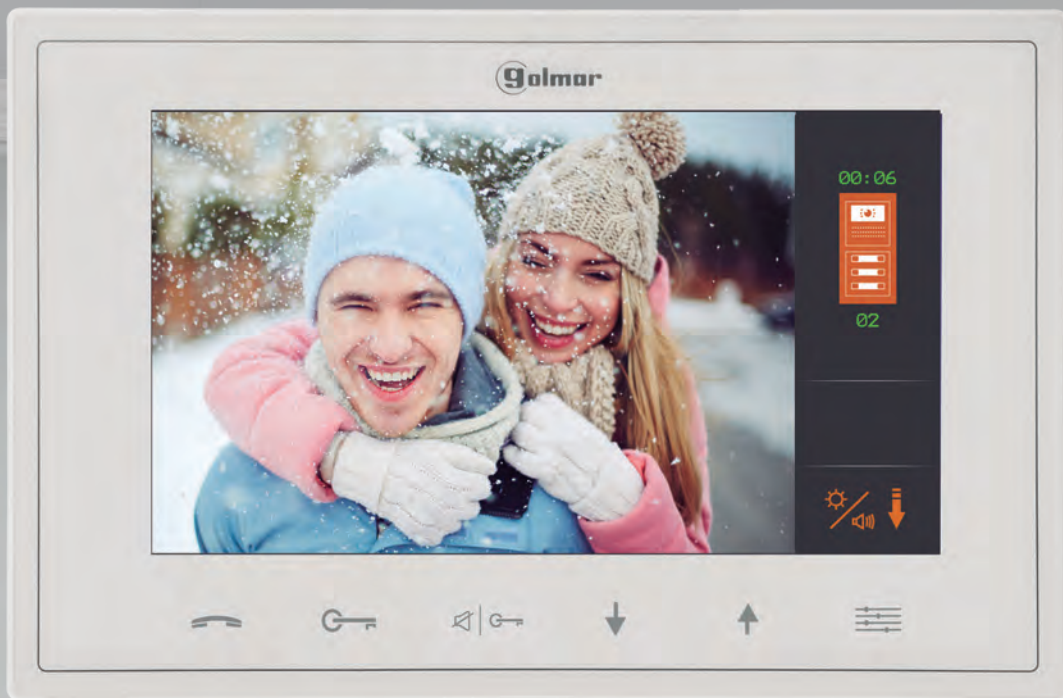


138(W) x 138(H) x 19(D) mm  
5.43"(W) x 5.43"(H) x 0.75"(D)

Other characteristics of **Vesta 2** monitor are:

- 4.3" TFT LCD screen.
- Two direct function buttons (communication and lock).
- Full duplex audio communication.
- Privacy on audio, video and door open progresses.
- Possibility to automatically activate the lock when a call is received.
- Control of auxiliary devices, i.e. a second lock, staircase lights ...
- Video spy and autoswitch-on functions of up to four door panels.
- Do not disturb function with light indication.
- Input for door bell apartment push button that saves the use of a door bell.
- Different call reception tones depending on where the call is coming from.
- Intercom function between apartment units on the system.
- Patrol function of up to four external cameras.
- Optional transfer of door panel calls to a telephone number through GSM or PSTN networks.





210(W) x 138(H) x 19(D) mm  
8.27"(W) x 5.43"(H) x 0.75"(D)



DIP switch programming



Induction Loop Amplifier for hearing impaired users.

The characteristics of **Vesta 7** monitor are:

- 7" TFT LCD screen.
- Full duplex audio communication.
- Privacy on audio, video and door open progresses.
- Control of auxiliary devices, i.e. a second lock, staircase lights, ...
- Video spy and autoswitch-on functions of up to four door panels.
- Do not disturb function with light indication.
- Input for door bell apartment push button that saves the use of a door bell.
- Different call reception tones depending on where the call is coming from.
- Intercom function between apartment units on the system.
- Patrol function of up to four external cameras.

In case of **Nhea** audio unit:

- Full duplex audio communication.
- Privacy on audio and door open progresses.
- Control of auxiliary devices, i.e. a second lock, staircase lights, ...
- Do not disturb function with light indication.
- Input for door bell apartment push button that saves the use of a door bell.
- Different call reception tones depending on where the call is coming from.
- Intercom function between apartment units in the same apartment.



90(W) x 138(H) x 19(D) mm  
3.54"(W) x 5.43"(H) x 0.75"(D)

# PENTHA

The new Pentha hands free colour monitor is also powered with “GB2”, our best selling **two wire technology**.

The monitor front is made of tempered glass in white finish, with a 7 “screen. This unit has dip-switches for easy programming, capacitive touch screen and multilingual graphic interface.

Thanks to its improved viewing angle screen, the monitor can be installed as low as required by the users (disabled people with wheel chair, kids, ...), maintaining the perfect picture quality. As an option, monitors can also have an induction loop amplifier (ILA), allowing hearing impaired people to use their hearing aid devices when set to the T position.

235(W) x 140(H) x 23(D) mm  
9.25”(W) x 5.51”(H) x 0.91”(D)



DIP switch programming



Induction Loop Amplifier for hearing impaired users.



Video recording.

Other characteristics of **Pentha** monitor are:

- Selectable aspect ratio of the picture: 4:3 or 16:9.
- Possibility to automatically activate the lock when a call is received.
- Internal memory for picture recording (up to 118 images).
- Micro SD slot for up to 32Gb external card, allowing audio and video recording instead of static picture.
- Control of auxiliary devices, i.e. a second lock, staircase lights, ...
- Video spy and autoswitch-on functions of up to four door panels.
- Do not disturb function with light indication.
- When not at home, it is possible to leave an audio message for the visitors and vice versa.
- Text messenger service between apartments.
- Input for door bell apartment push button.
- Customizable call reception tones.
- Intercom function between apartment units on the system.
- Patrol function of up to four external cameras and quad viewing.
- Optional transfer of door panel calls to a telephone number through GSM or PSTN networks.



# SZENA



97(W) x 207(H) x 35(D) mm  
3.82"(W) x 8.15"(H) x 1.38"(D)



## CUSTOMISABLE DESIGN, FUNCTIONAL TECHNOLOGY.

Szena is the hands free monitor where the attention to detail makes all the difference.

Szena is an interesting exercise in personalization. The ability to install embedded or on the surface and its removable front covers allows a perfect integration with any interior design. Front covers are available in white and black colours as standard, and silver, gold or anthracite as options.

Szena is a unique monitor. Details such as backlit push buttons, metallic colours and a minimalistic cutting-edge design, define the Szena monitor as the monitor of choice.

The characteristics of **Szena** monitor are:

Available for "Plus" systems only.

Casing manufactured in polished ABS black colour.  
3,5" colour TFT LCD screen.

On Screen Display menu, allowing settings adjustment an monitor programming.

Privacy on audio, video and door open progresses.

On-Off push button with light indicator.

Video spy and autoswitch-on functions.

Dual video signal reception: twisted pair or coaxial cable.  
Input for door bell apartment push button that saves the use of a door bell.

Uses the lock release push button to call to the concierge unit.

Activation of auxiliary devices (second camera, lift controller, ...).

Intercom function between units in the same apartment.



## A WORLD OF SOLUTIONS.

Discover our wide offer of kits. A careful selection of products and systems to match any requirements for villas.

Surface or embedded door panels, handset or hands free indoor units, audio only or video, ...

All kits are presented with special full coloured packaging, ready to pick, ready to install, ready to use.

# KITS





**With ROCK vandal resistant door panel.**

Our most famous door panel for villas, with IK-09 vandal resistant and IP-44 weatherproof indexes. Its curved front is made of 2.5mm. thick injected aluminium in graphite colour.

Audio kits are available for one and two families, with 4+N wiring and Tekna telephone. Video kit is available for one family, with “Plus” CAT5 wiring and Tekna handset monitor.

**With NEXA door panel series.**

This range of video kits is available for one and two families, with “GB2” two wire technology.

The most economical solution includes Nexa Aluminium door panel and Vesta 2 monitor, while the most exclusive includes Nexa Inox door panel and Pentha monitor.



**With SURF audio door panel.**

This surface mounting panel of reduced dimensions is manufactured in injected aluminium, and it is supplied with a rain shield. Push button can be configured for one or two families.

Door panel dimensions: 98(W) x 180(H) x 18(D) mm.

3.86”(W) x 7.09”(H) x 0.71”(D).

This kit with two wire dedicated technology allows up to two telephones in each apartment with intercom function.



**With JAZZ door panel series.**

JAZZ is the new surface mounting panel from Golmar. It is manufactured in injected aluminium, and it is supplied with a rain shield.

Door panel dimensions: 90(W) x 180(H) x 25(D) mm.

Door panel dimensions: 3.54”(W) x 7.09”(H) x 0.98”(D).

This range of video kits is available for one and two families, with “GB2” two wire technology.

The most economical solution includes Vesta 7 monitor, while the most exclusive includes fish eye lens, RFID reader and Pentha monitor.



A wide range of accessories like rain shields, surface and angular boxes, replacement frames, ... are available for most of the kits.



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