

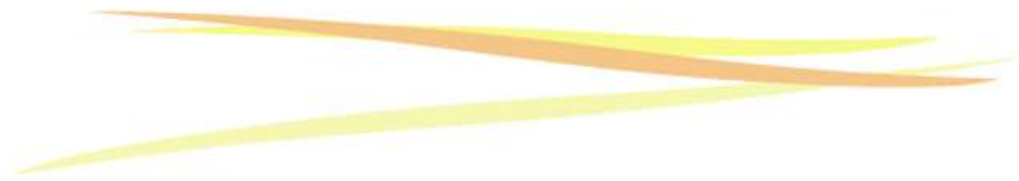


Audio/Video system Technology Power and Innovation

Security Innovation Call system

Security Innovation Call system Broadcast

Freedom to communicate



Freedom to communicate

***Audio and Audio/Video
IP communication systems over LAN
with Peer-To-Peer connection***



Freedom to communicate

- ***Intercom systems***
- ***Public Address systems***
- ***Emergency Call systems***
- ***Door Entry Phone systems***

OVER LAN



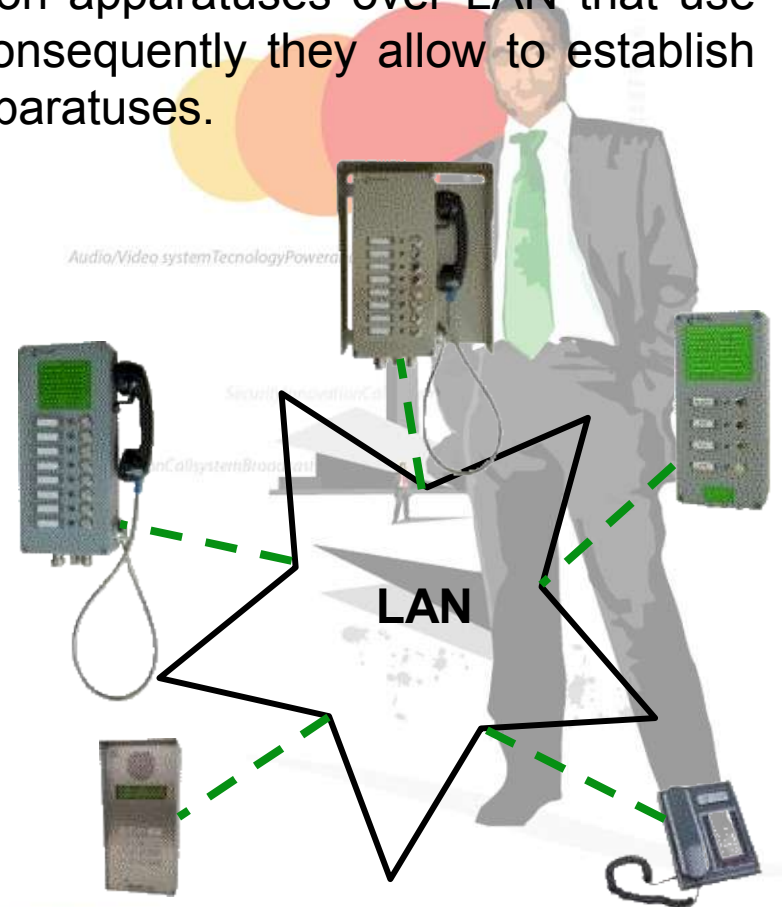
Peer-To-Peer communication - Part 1

ERMES developed a range of communication apparatuses over LAN that use Peer-To-Peer communication techniques; consequently they allow to establish communication sessions directly between apparatuses.

Each apparatus is IP native and it uses the Ethernet to make direct communications between an apparatus and another.

The LAN interface is built in the board and consequently the apparatuses do not need interfaces, management units or central servers.

This way it is notably increased the general reliability of the system.




Peer-To-Peer communication - Part 2

On initial setting of the system, you must assign a static IP address to every intercom, this IP address identifies it in unequivocal way on the network allowing so the correct addressing both of the management data of the system and of the audio data.

Since the intercoms manage the connection to the LAN directly, in order to establish the connection among two different apparatuses, it is enough that on each apparatus you memorize not only own IP address but also the map of IP addresses of the other apparatuses with which the communication must be established.

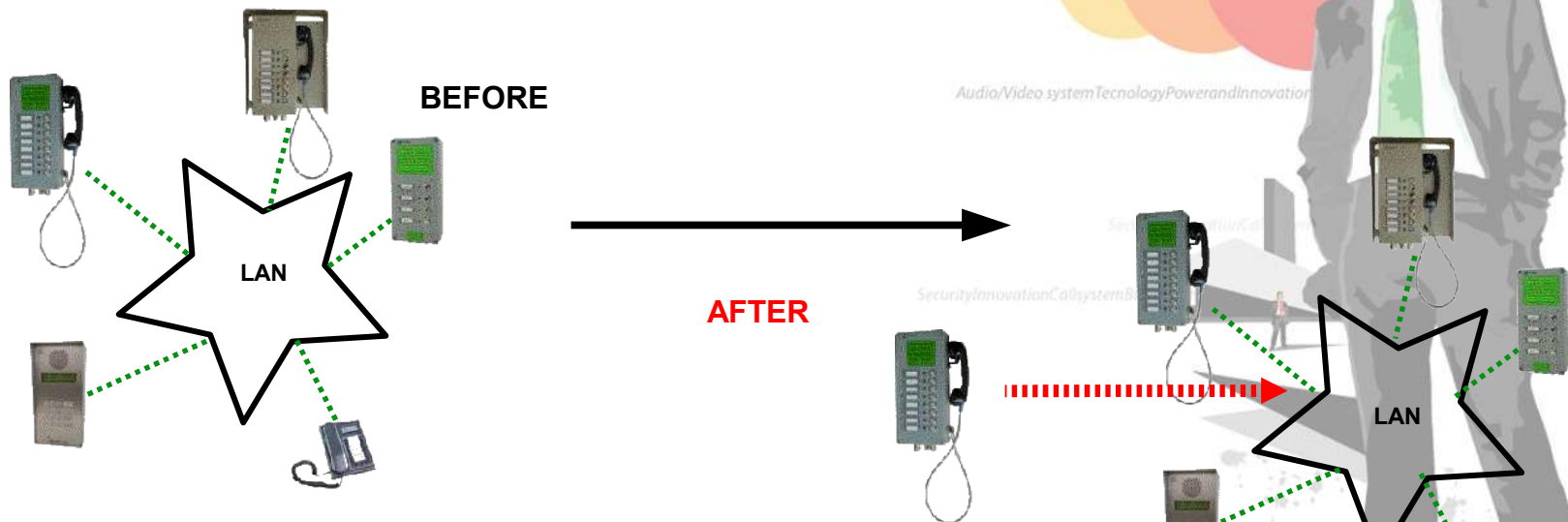
You can start the communication with any other intercom by means of an opportune control on each of them.



Indirizzo IP : 192.168.0.3
Numero ID : 2
Nome : Ingresso

Peer-To-Peer communication - Part 3

These intercoms using the Peer-To-Peer connection make easy to install communication systems quickly and in not expensive way; the IP technology allows to connect this intercom over an existing LAN without installing complex and expensive network as happens for the standard intercoms.



By using the LAN you can expand easily the intercom system in any moment simply by installing on the LAN new intercoms with different IP addresses.

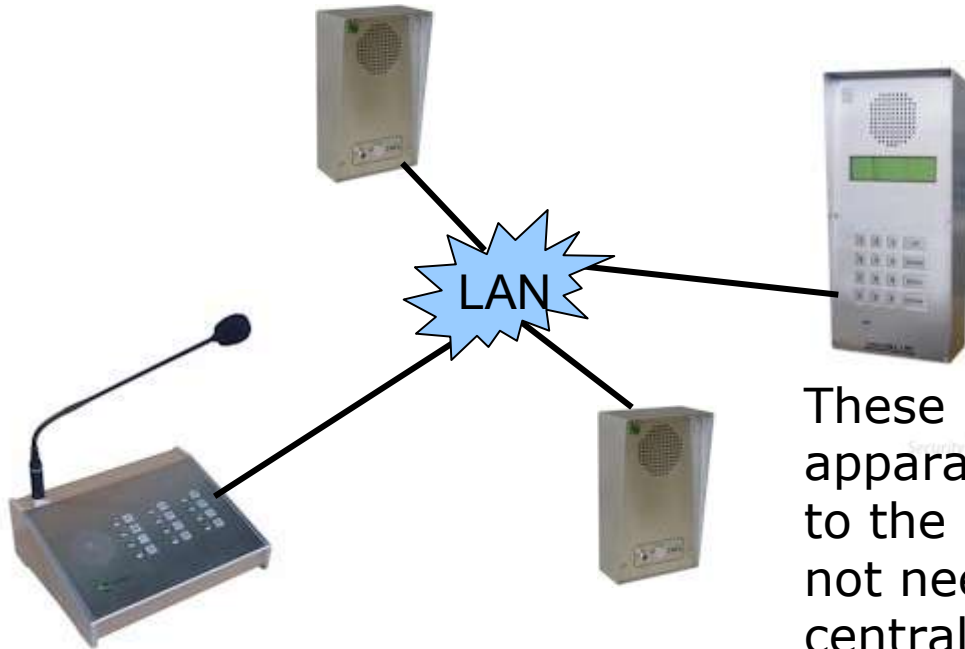
Intercom systems over LAN makes easy to install and to service intercom systems.

InterLAN

InterLAN is the newest family of intercom over LAN that covers a large range of utilizations in commercial fields as well as industrial ones



InterLAN are intercoms over LAN with IP protocol that allow to establish safe and reliable communications between the apparatuses connected on the same ETHERNET network.

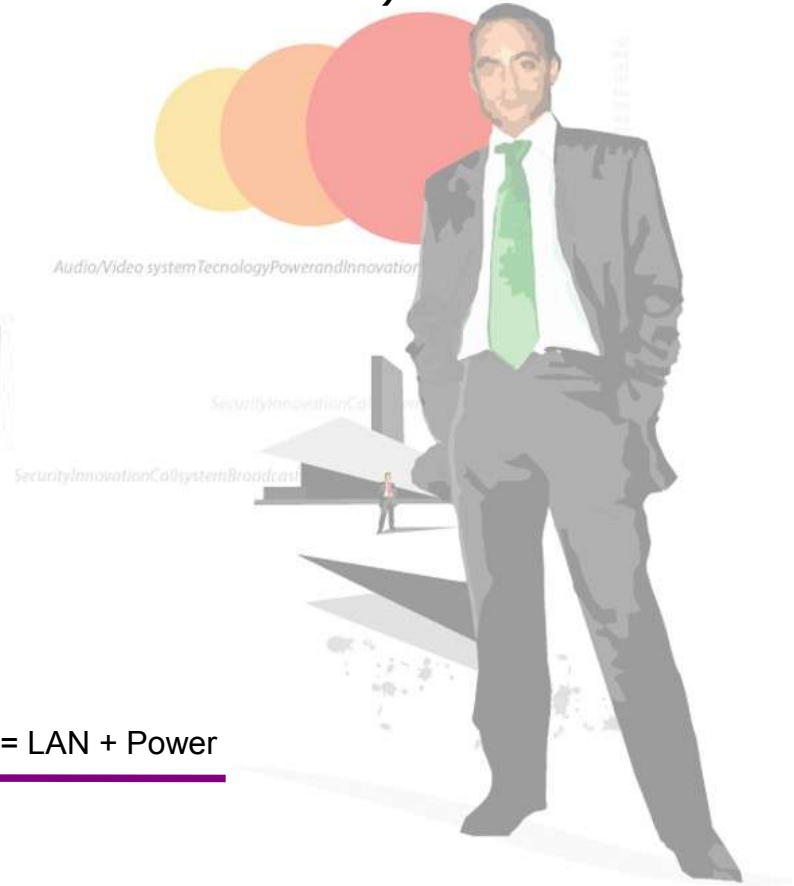
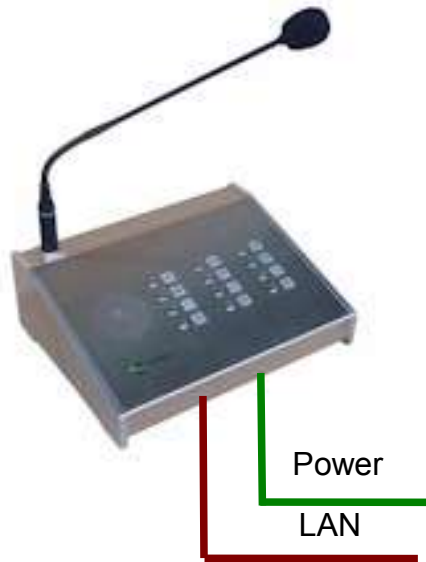


These intercoms are stand-alone apparatuses that you can connect to the LAN directly and that do not need interfaces, servers, central units or similar management equipment.

In the simplest configuration you need a HUB only in order to allow the intercoms to establish a communication



Each intercom requires the LAN and the power connection only. Moreover apparatuses with POE (Power Over Ethernet) connection are available.



By using LAN connection, you can make changes in the system any time very easily.

For instance in order to add a new intercom in the system it is enough to connect the apparatus with new IP address to the LAN and to configure the calls again.



Range of Intercoms Over LAN – part 1



InterLAN.PP / InterLAN-L.PP

These are intercoms with display and numeric keyboard that allow to make call to a large number of other apparatuses in the system.

You can have these main intercoms for wall as well as for desk mount.

Moreover these intercoms make the diagnostic of the entire system and detect any fault immediately.

InterLAN.16PO

This is an intercom with handset and 16 call buttons specially suitable to be used in offices. It has POE connection and you can put it on desk or on wall.



Range of Intercoms Over LAN – part 2



InterLAN-L.1P / InterLAN-L.4P

These intercoms are suitable to be installed outdoor and have a sturdy case made in stainless steel.

You can have them with one or with four call buttons.

InterLAN.4P / InterLAN.8P

These are intercoms specially suitable to be installed in industrial premises like steel mills, glassworks, cement factories and chemical plants.

The case is very sturdy, it is entirely made in die casting aluminium and it has IP65 protection.

You can set each button in order to start selective calls, group calls or general calls.



Range of Intercoms Over LAN – part 3



InterLAN.4PC / InterLAN.8PC

These intercoms are specially suitable to be used in highly noisy areas.

They come with handset for the talk and loudspeaker on the front panel to reproduce alert tones and general announcements.

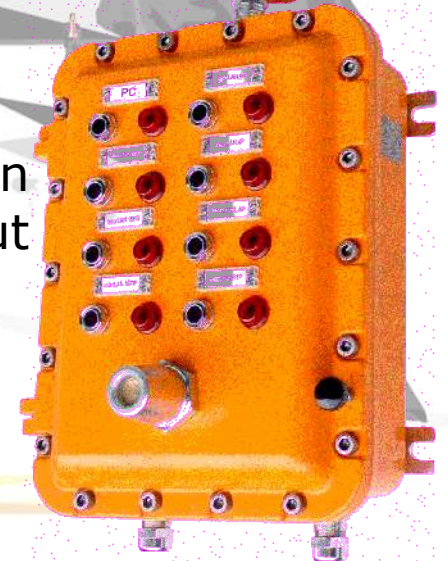
They can have an external horn instead of the built-in loudspeaker as sound reinforcement.

InterLAN.4P-Ex / InterLAN.8P-Ex

Intercoms that ERMES produces are available in explosion-proof version both with and without handset.

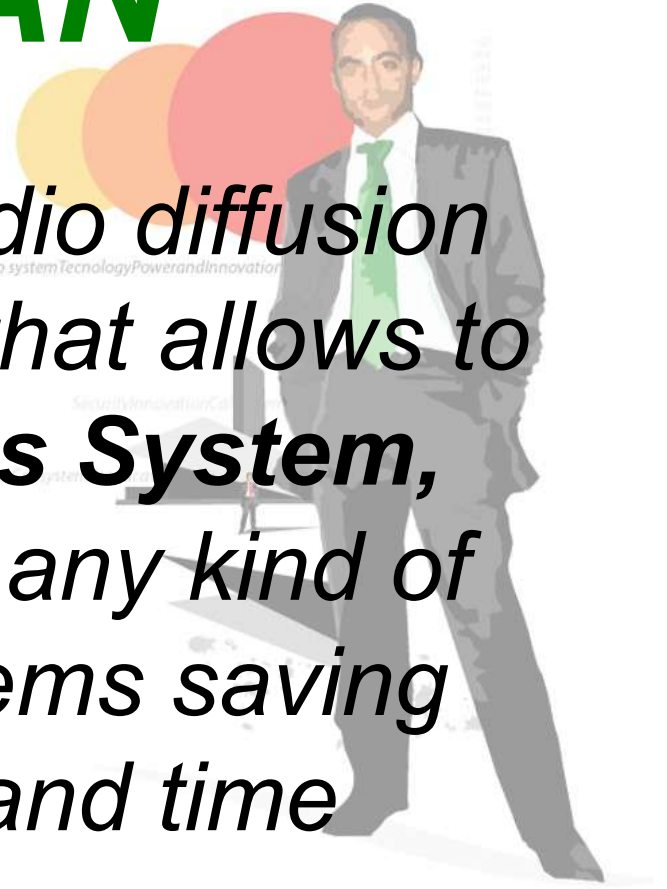
These intercoms are compliant with

Atex II 2G Ex d IIB+H2 T5 IP66 Ta -20/+40°C



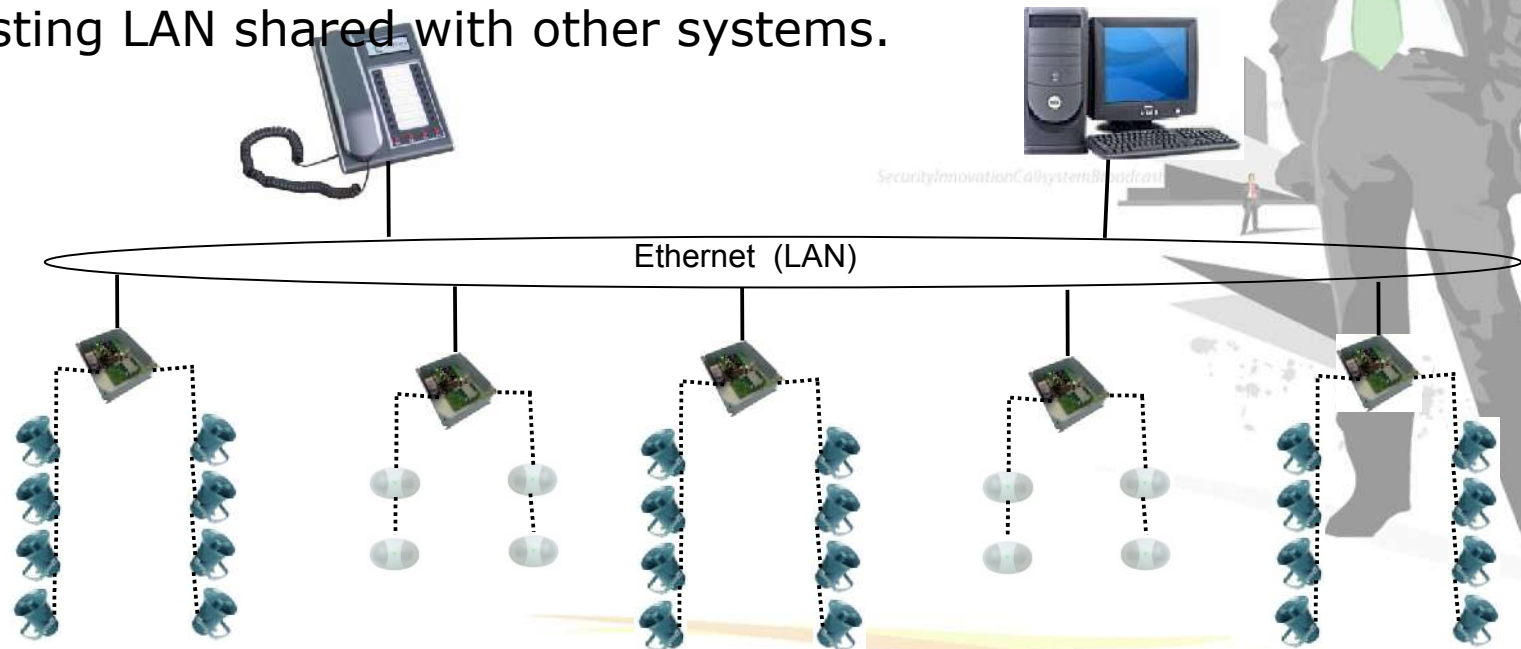
SoundLAN

*It is a new family of audio diffusion apparatuses over LAN that allows to install **Public Address System, Paging Systems** and any kind of sound diffusions systems saving dramatically costs and time*




SoundLAN

These apparatuses allow to make audio diffusion systems that use the LAN only in order to transmit sound and control signals. Thanks to these units you can install Public Address Systems, Paging Systems and other types of sound systems easily, quickly and inexpensively: they do not need reserved LAN but they can use an existing LAN shared with other systems.



Audio Gateway

Audio Gateway is the basic elements of these systems. They are apparatuses that you can connect to the LAN directly and that include a power audio amplifiers suitable to drive loudspeaker or horns directly.



You can have audio gateway with 30W or 80W built in audio power amplifiers but if you wish to drive external audio power amplifier you can have audio gateway with 0dB output too.

We can supply audio gateway or in sturdy wall mount unit suitable to be installed outdoor or in 19" unit suitable to be installed in racks

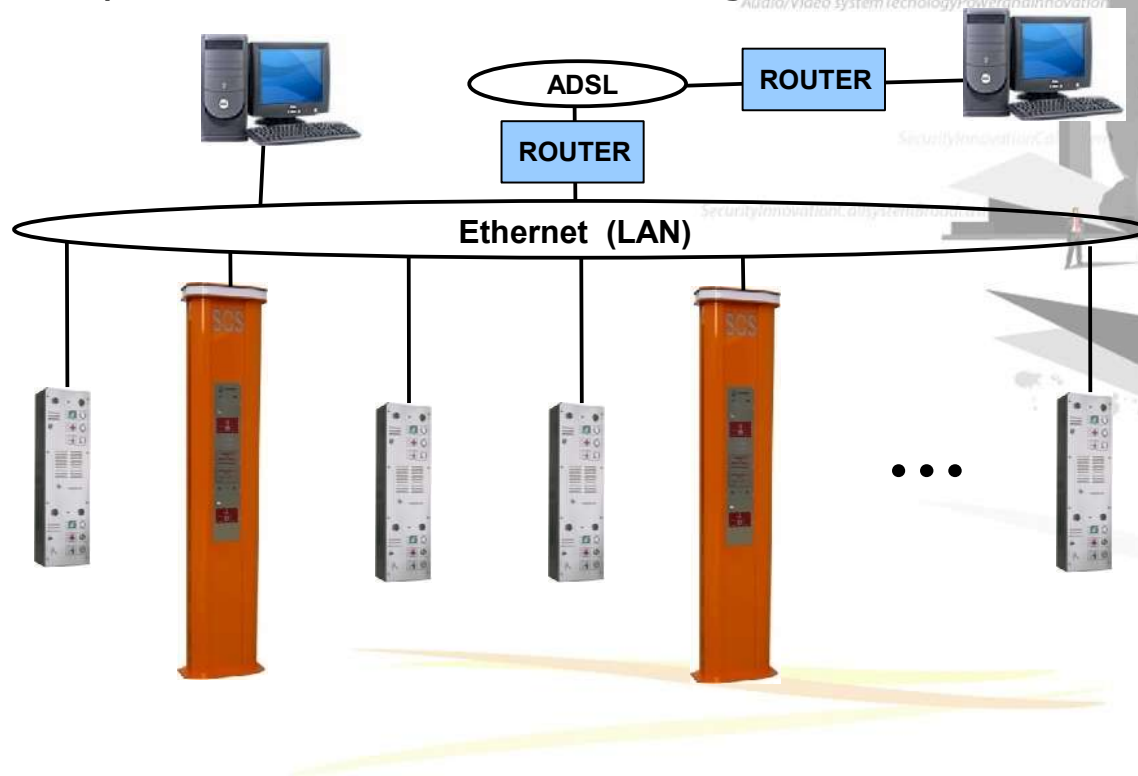
CityHELP

*CityHELP is our family of **Emergency Call Units over LAN** that includes both audio and audio/video units*



CityHELP

These Emergency Call Units over LAN are available in versions that allow to make both audio and audio/video connections: the user has to push the call button only and the system establishes a connection with the control room immediately. If the unit includes video feature the operator can talk with you and can see both your face and the surrounding area.



CityHELP



CityHELP PILLARS can be used in all public areas where people needs to contact quickly and reliably a control centre in order to receive help. Typical areas where you can use these pillars are airports, railway stations, bus stations, town parks and similar situations.

CityHELP can have up to four different call buttons that allow to call different control rooms according with the type of help that you need.

Moreover CityHELP can have two different call boxes placed at different height in order to make easier the use by disable people.

The audio and audio/video units over LAN thanks to the use of the network connection and the TCP/IP protocol allow reduced installation costs, easy maintenance and high reliability.

Steel Mills

Hospitals

Trade Centres

Industrial Parks

Subways

Storage Areas

Public Address

Gas AE Stations

Intercom

Parking Lots

Paging

Railway Stations

Companies

City Surveillance

Airports

ERMES ELETTRONICA s.r.l. - Via Verri 87/B - 31010 MARENO DI PIAVE (TV) ITALY

email: ermes@ermes-cctv.com - Web: <http://www.ermes-cctv.com>

Tel: +39 0438 308470 - Fax: +39 0438 492340