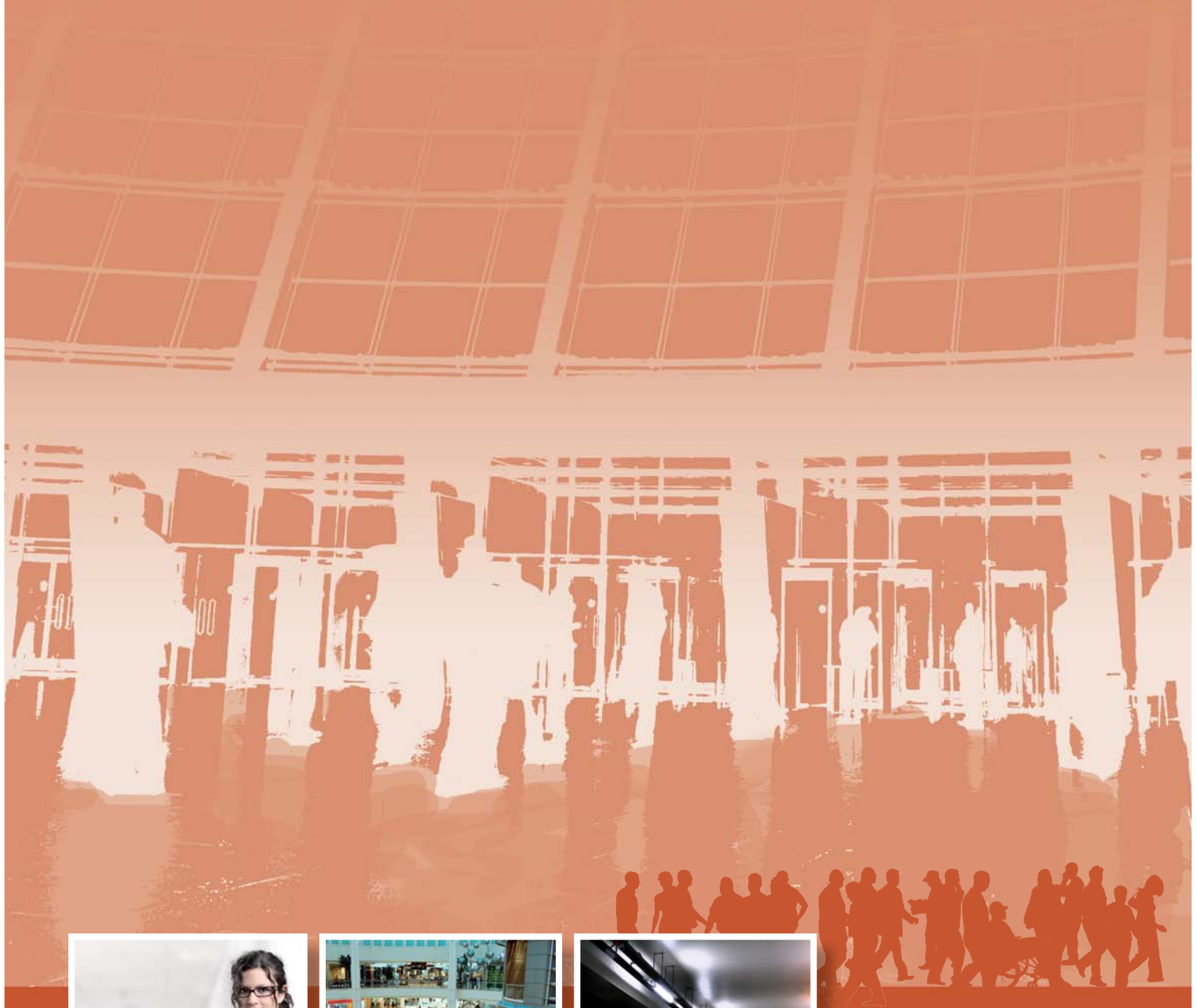



Commercial Solutions | Aiphone



 **AIPHONE®**
Providing Peace of Mind

www.aiphone.pro



AIPHONE, A MAJOR PRESENCE IN THE COMMERCIAL MARKET

Aiphone consolidates its role as a major player in the commercial market.

Aiphone offers innovative high-performance building-security systems that meet the full range of demand from the commercial market, including offices and schools, stations and hospitals, shops and many others.

It offers bespoke solutions for large and small commercial businesses, from comprehensive systems to specific functions, offering you a choice and a response tailored to your requirements in terms of internal communication, intercoms, access control and videophones.

THE MISSION: SECURE BUILDINGS

Up-to-date communication in offices and factories has become a determining factor for productivity and security.

Aiphone intercom systems are recognized as the most reliable in the world.

Our aim is to offer our customers solutions that are progressively of better quality and more innovative, by developing systems that can manage a variety of building configurations.

With systems solutions such as the IS series and AX system, and functional solutions such as access control, intercom, window intercoms or telephone systems, we guarantee you optimum security specifically designed for your building.



CAR PARKS / P. 14



SHOPS & SUPERMARKETS/ P. 15



HOTELS / P. 16



INDUSTRY / P. 17

MARKETS



HOSPITALS&LONG-TERMCAREHOMES/P.18



OFFICES / P. 19



GOVERNMENTOFFICES&MUSEUMS/P.20



TRANSPORT & STATIONS / P. 21



SCHOOLS & COLLEGES / P. 22



PRISONS & POLICE STATIONS / P. 23



PAGE 24

AX SYSTEM: SIMPLE, ECONOMICAL AND FLEXIBLE

Simple, Accessibility, Effective, Multi-purpose

APPLICATIONS
IN ALL
MARKETS



Applications:

- Intercom systems,
- Videophone systems,
- Access control,
- Telephone systems,
- CCTV, etc.

IS SYSTEM: THE JACK OF ALL TRADES!

APPLICATIONS
IN ALL
MARKETS



Any distance, any building,
centralized security management and IP



Applications:

- Managing entry to multiple sites,
- Internal communication,
- Emergency call points,
- Announcements,
- Resource sharing,
- Access control

FUNCTIONAL SOLUTIONS

ACCESS
CONTROL



TELEPHONE
SYSTEMS,



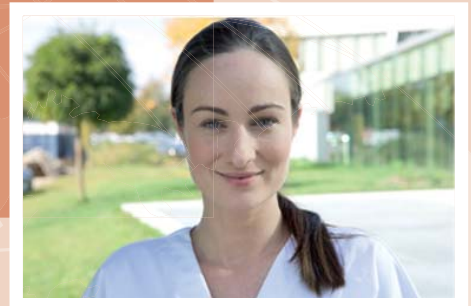
WINDOW
INTERCOM SYSTEMS



IS SERIES: READY TO TACKLE THE

The IS Series manages remote access, and so allows you greater flexibility in controlling your security.

For unrestricted communication and centralized building security, choose the IS Series, the solution for your most ambitious projects!



MOST AMBITIOUS PROJECTS

COMMUNICATION OVER IP WITH NO RESTRICTIONS

The IP control units may be connected to a dedicated network or to a LAN (CAT5e - CAT6 - RJ45), so that the various networks can be configured to communicate to each other. Where the site has multiple buildings, the IS solution allows you to install a system without distance constraints.

In addition, the control and administration of the different types of access (video access monitoring for instance) can be managed remotely. So distance is no object!

Lastly, the IS solution is cost-effective because it uses an existing infrastructure, the CAT5e or CAT6 network cabling already in place.

EXTENSIVE FUNCTIONALITY FOR A FULLY-INTEGRATED SYSTEM

IS is not just a video door system but a package that combines all the communication functions you need for your commercial projects: internal communication, paging, broadcast announcements, call transfer/forwarding, and inter-site communication, etc. These features come as standard, but public-addressing, access control and CCTV can also be integrated into the IS system.



Markets for which IS is suitable:



FUNCTIONALITY



Manages entrances to multiple sites

The system covers all entrances. Calls may be forwarded from one master station to another. Forwarding may be either activated by the user if there is no response, or time-driven. The video door station is fitted with a panoramic camera (170° horizontal and 100° vertical) with 9 zoom zones.

In particular, you can now protect your staff by allowing them to check the identity of visitors before letting them onto the premises, and increase the efficiency of your commercial reception by controlling all entrances from a central point.



Internal communication

IS over IP allows communication between several sites or several buildings, even if the stations are in different towns or countries. You can communicate easily between all stations!

In the classroom, the system lets you send messages throughout the school or to a single class. In your business, you can communicate effortlessly with your offices anywhere in the world.



Emergency call points

A call from a sub station or a door station can be programmed as urgent. If so, current communications will be interrupted to allow the call to take priority.



Works with all security systems

You can also link the IS series to the access-control system. The CCTV system can similarly be integrated into your installation to supplement the video recording of calls.



Broadcast announcements

In an emergency, you can make an announcement (or use a pre-recorded message) to evacuate the site or to keep staff informed. Announcements may be broadcast from all master stations and sub stations and/or using an external public address system. You can also define the areas where they will be broadcast.



Management by PC

You can use your PC as a master station by installing the IS software, and respond over IP no matter where you are.

A STEP AHEAD IN TERMS OF IP TECHNOLOGY



Door stations



IS-IPDV

IP-addressable door station
with wide-angle camera,
metal die casting, surface-mount



- High-definition colour camera
- Wide angle (170° horizontal and 100° vertical)
- Night-vision lighting



- IP connection
- PoE
- Simple to cable



- N/O - N/C contact
- Time saving
- Simplified cabling



- Connections protected
- Cables supported
- Better water-tightness



ISIPDVAL
IP-addressable
door station, video,
accessibility,
surface-mount



ISIPDVFAL
IP-addressable
door station, video,
accessibility,
flush-mount



IS-IPDVF
IP-addressable door station
with wide-angle camera,
stainless steel, flush-mount

Control unit



IS-IPC

IP control unit: can take one IS-CCU or
one IS-RCU (up to 8 IS-IPC
per network)

Master station

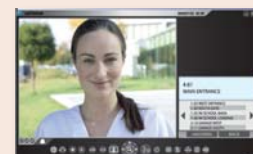


IS-IPMV
IP-addressable
video master station

ISIPMVLA
IP-addressable
video master station with
inductive loop on the handset

- Zoom, 9 zones
- Full-screen mode

Software



IS-SOFT
Software to turn a PC
into a master station



FOCUS ON POWER OVER ETHERNET

Power over Ethernet (PoE or Standard IEEE 802.3af) can supply a voltage of 48 V (power of up to 12 W, or even more) in addition to a stream of data at 100 Mbits/s.

It uses an unused pair of wires from the four pairs comprising a UTP or STP cable in order to supply equipment items on an Ethernet network such as IP phones, network hard drives, printers, webcams and Wi-Fi access points.

It means that devices may be installed in places with no electric sockets. Since the data and the electrical power pass over the same Ethernet cable, there is only one cable per peripheral to install. There is no need to manage several adaptors, and electrical redundancy is simpler (the machine room generally has redundant equipment, such as dual-supply switches and inverters, etc). If the electricity supply fails, the POE devices still work.



A SOLUTION SUITABLE FOR ON-SITE CONFIGURATION



Door stations



ISDVAL
Door station, video,
accessibility,
surface-mount



ISDVFAL
Door station, video,
accessibility,
flush-mount



IS-DV
Door station
with wide-angle camera,
metal die casting,
surface-mount



IS-DVF
Door station
with wide-angle camera,
stainless steel,
flush-mount



IS-SS
Audio door station,
stainless steel, flush-mount



ISBPR
Audio door station
with red push-button

CISSS
Hooded surface mount box,
stainless-steel for IS-SS

CISBPR
Hooded surface mount box,
stainless-steel for ISBPR



Its wide range of functions and features makes the IS series the right solution for securing all types of buildings from a central location.

Consult our documentation to find out more about the different types of configuration available for all markets.

Stations



IS-MV
Video master station



IS-RS
Audio
sub station

ISMVLA
Video master station
with inductive loop
on the handset

Control units



IS-CCU
Master control unit: can receive
4 door stations / sub stations,
4 master stations



IS-SCU
Add-on control unit: can receive
8 door stations / sub stations,
8 master stations



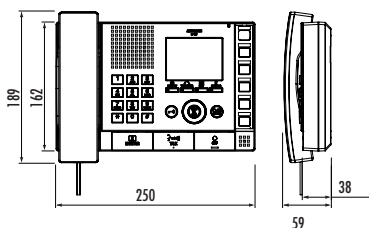
IS-RCU
Add-on control unit
for monitoring up to
30 sub stations

IS-PUS
Power supply
for IS control units

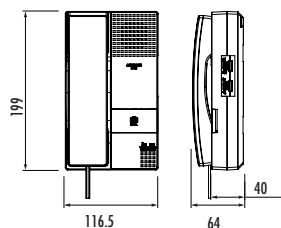
You can download all the product data sheets from www.aiphone.pro

Dimensions

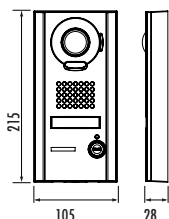
IS-MV, IS-IPMV



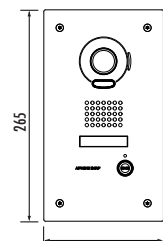
IS-RS



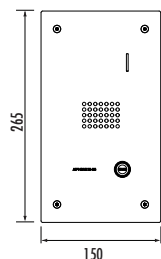
IS-DV, IS-IPDV



IS-DVF, IS-IPDVF

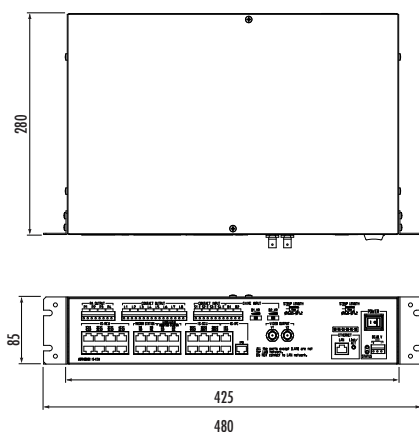


IS-SS

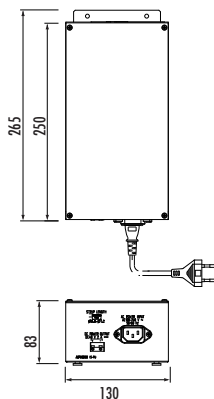


Flush mount: 120 x 235 x 45 mm

IS-CCU, IS-SCU, IS-RCU, IS-IPC



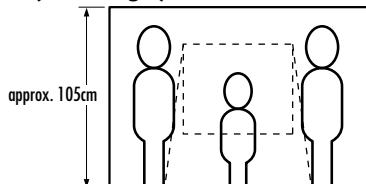
IS-PUS



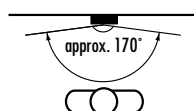
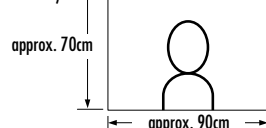
Field of vision



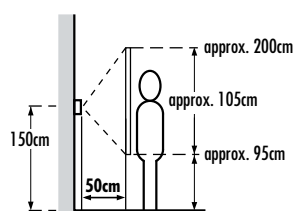
(Wide angle)



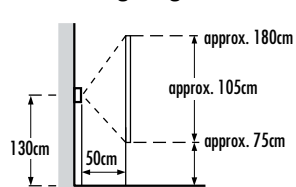
(ZOOM)



Mounting height 150cm



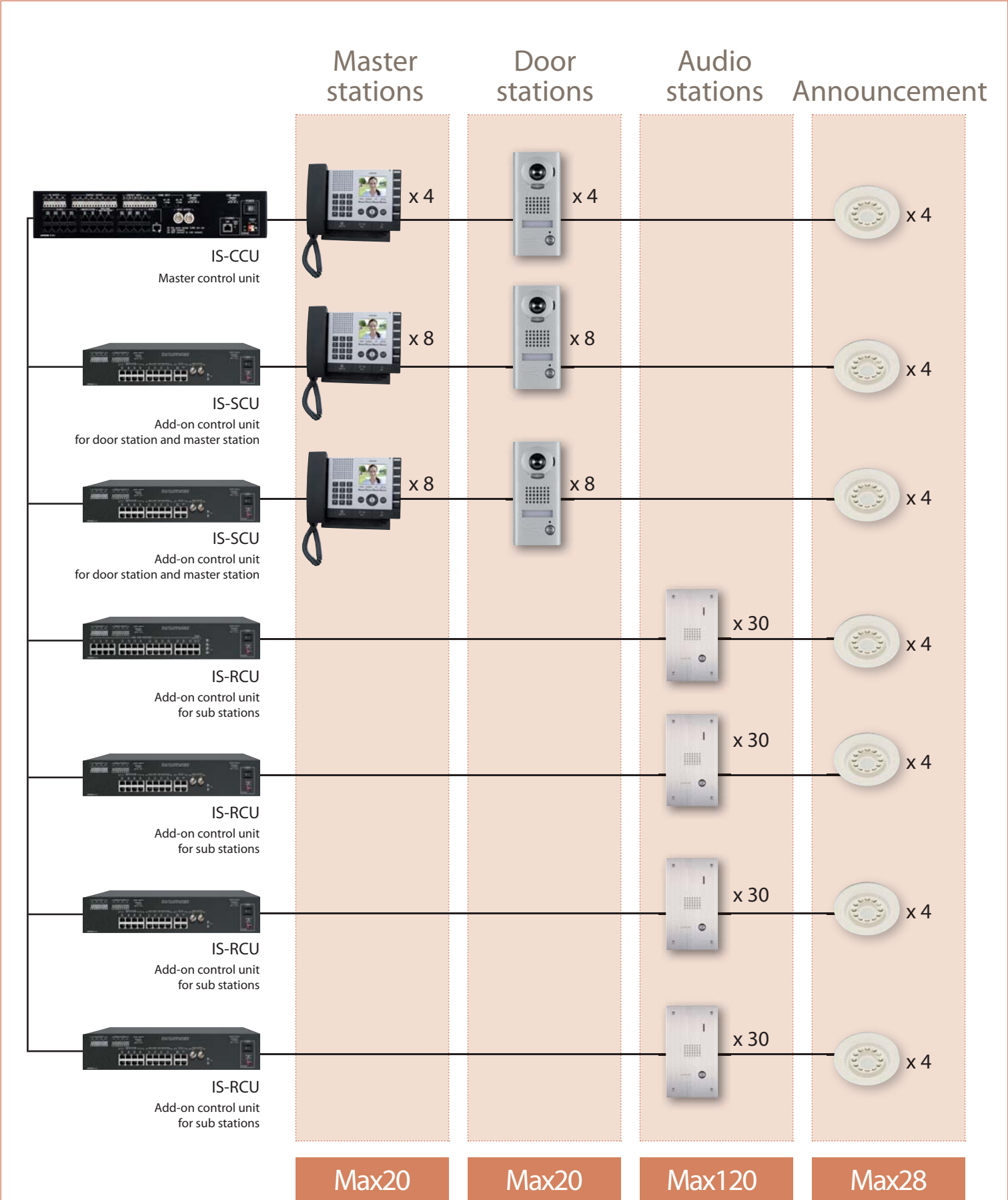
Mounting height 130cm



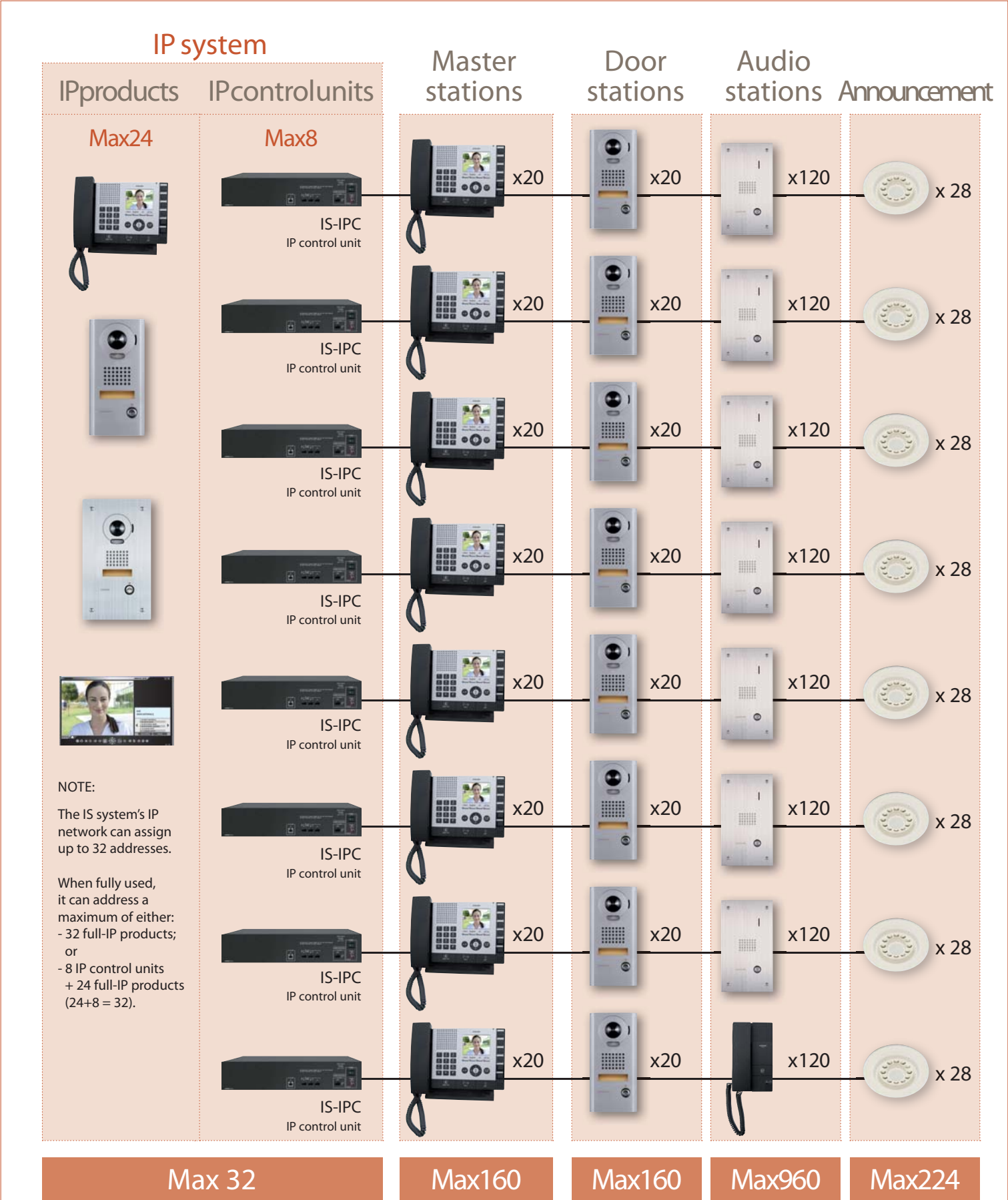
**SPECIAL
NOTE!**

Callpoints are available
for IS systems.
See page 32

ASSISTANCE



CAPACITY: HYBRID SYSTEM (ANALOGUE AND IP)



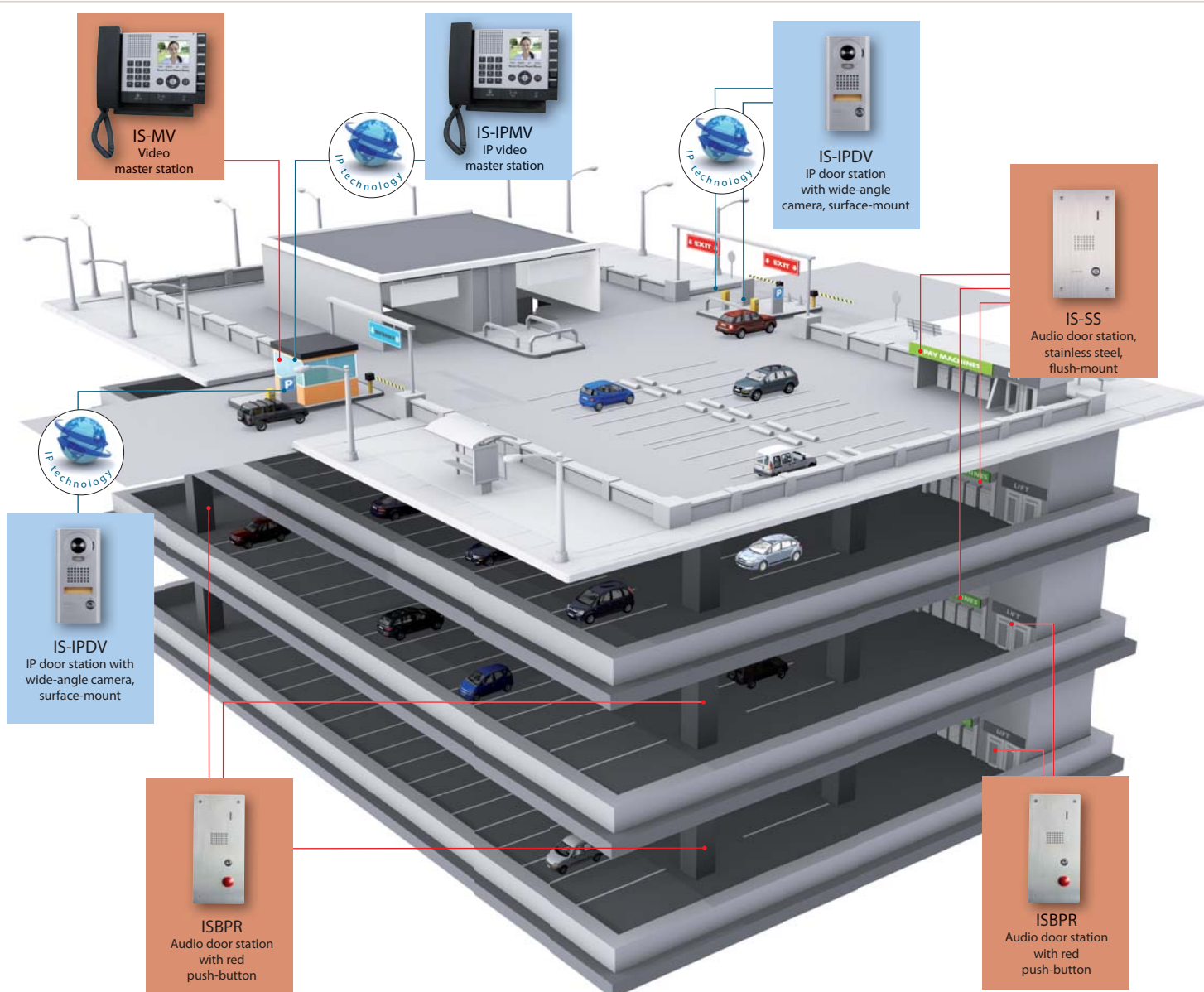
P CAR PARKS

The IS solution is perfect for car parks and garages, both for the security of your visitors, and also to ensure that the standards of speed and efficiency required by your car-park managers and staff are met.

FUNCTIONALITY

- Internal communication between the attendant's booth and the pay stations
- Emergency calls from the car park and lifts
- View of visitors at the gates using the video door stations

Analogue IS system
IP IS system





MARKETS



FUNCTIONALITY

- Analogue IS system
- IP IS system





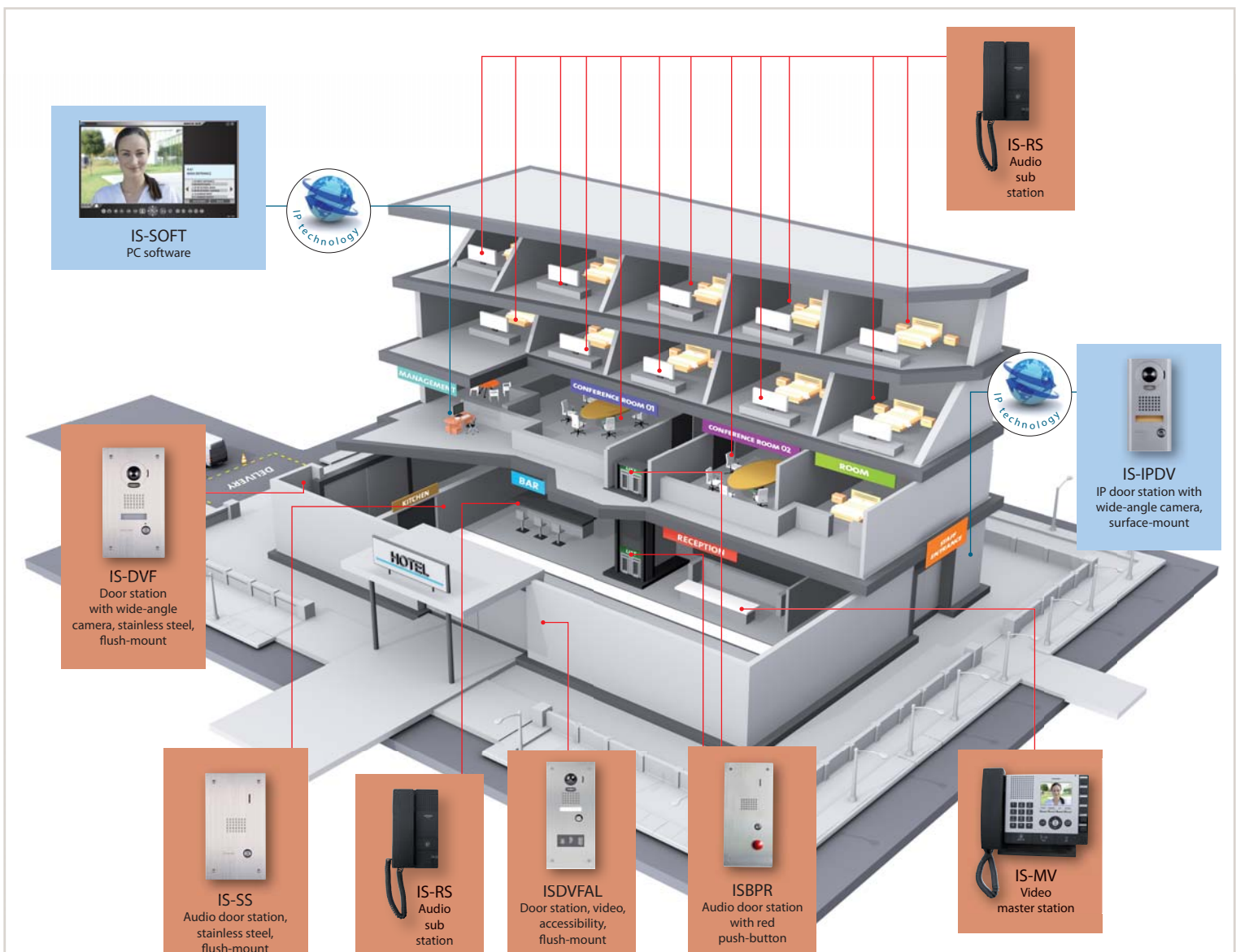
A security system is essential in the hotel business, where customers' well-being is your priority.

The IS system enables you to secure your premises, including Reception, rooms and the bar and restaurant areas, optimally, simply and remotely.

FUNCTIONALITY

- Internal communication between the rooms and Reception
- Monitors public and private entrances
- Emergency call from the lifts

Analogue IS system
IP IS system



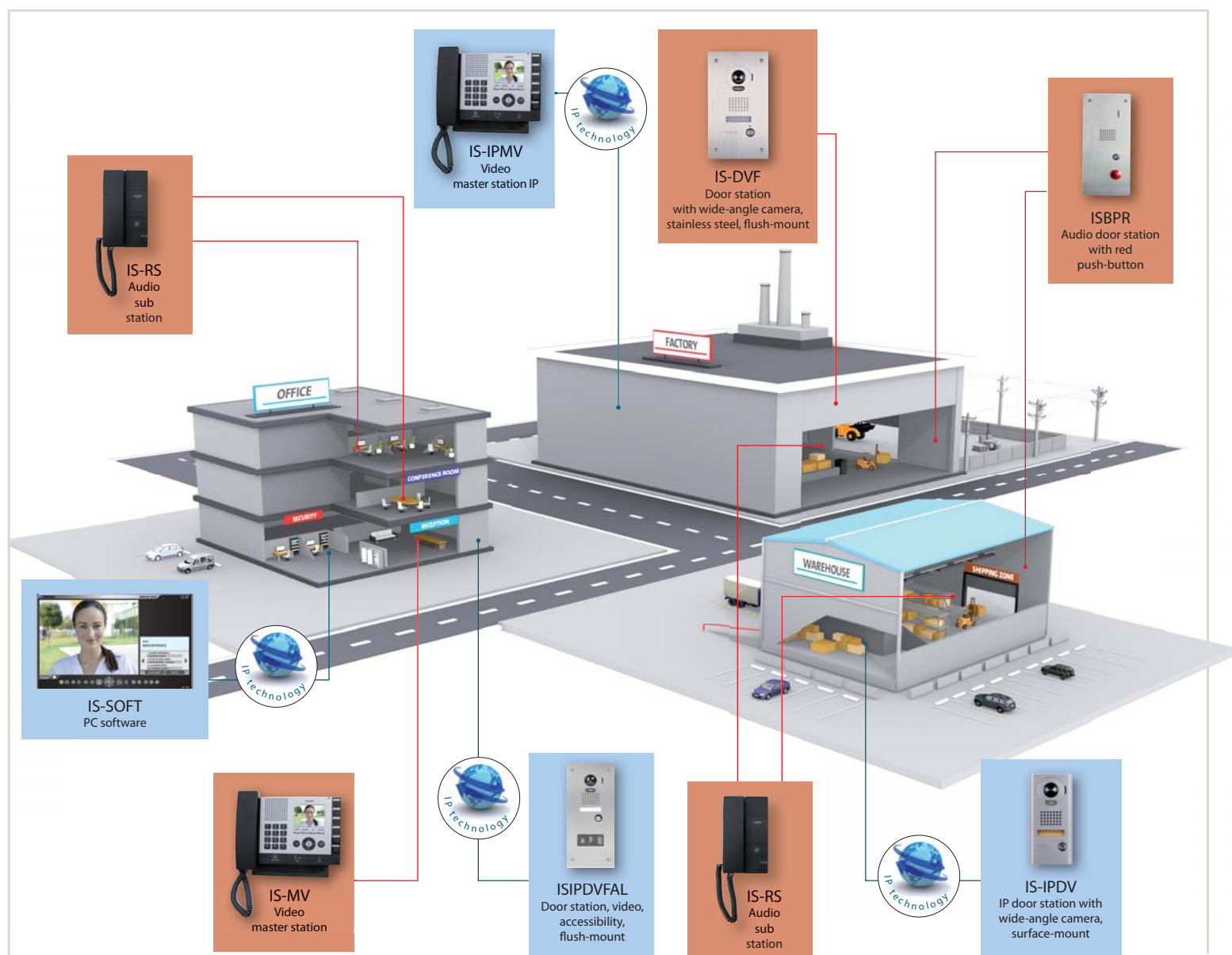


Security management is mandatory at an industrial site. Whatever type of premises your industry uses, and no matter how many buildings there are, the IS system provides the right solution for effective security, with no limitations on distance.

FUNCTIONALITY

- Manages entrances building by building, or for the entire premises
- Emergency call from the various buildings in the event of an incident
- Internal communication between the buildings and head office
- Calls forwarded to the security PC outside working hours

Analogue IS system
IP IS system





HOSPITALS & LONG-TERM CARE HOMES

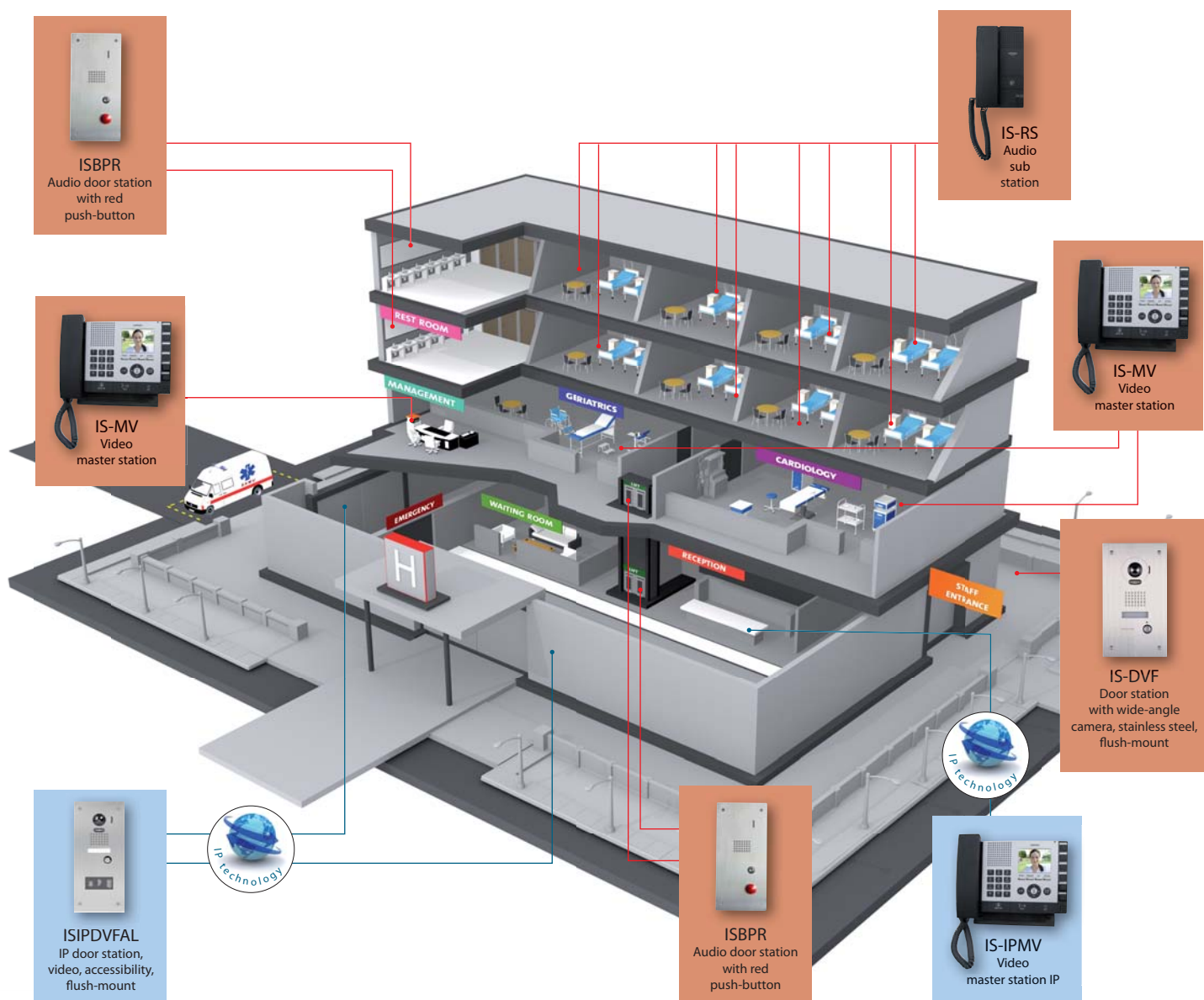
Patients, visitors and staff – it goes without saying that they need your protection. Opting for a global security system that manages all the hospital buildings means you ensure both their security and that of your medical equipment. This type of application is also appropriate for a long-term care home.

FUNCTIONALITY

- Internal communication between the rooms and Reception in each department
- Manages entrances from Reception or from the security PC
- Emergency call from the bathrooms and lifts
- Internal communication between the various care departments

Analogue IS system

IP IS system



MARKETS



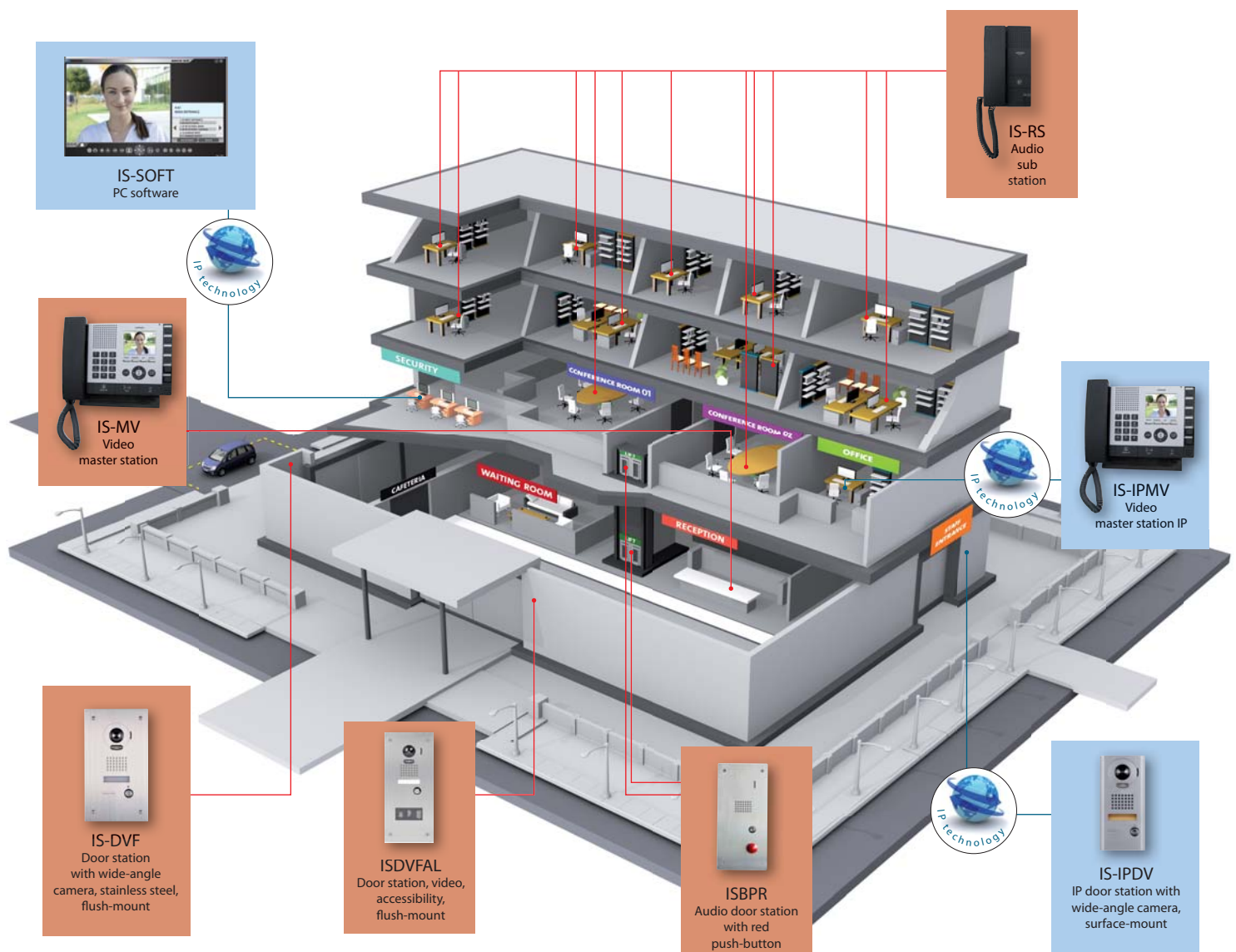
Offices are like houses, in that they require a customized security plan. With the IS system, you can control all the offices remotely to optimize the security of staff and property.

FUNCTIONALITY

- Internal communication between the offices and Reception
- Manages visitor and staff entrances
- Emergency call from the lifts
- Calls forwarded outside working hours

Analogue IS system

IP IS system





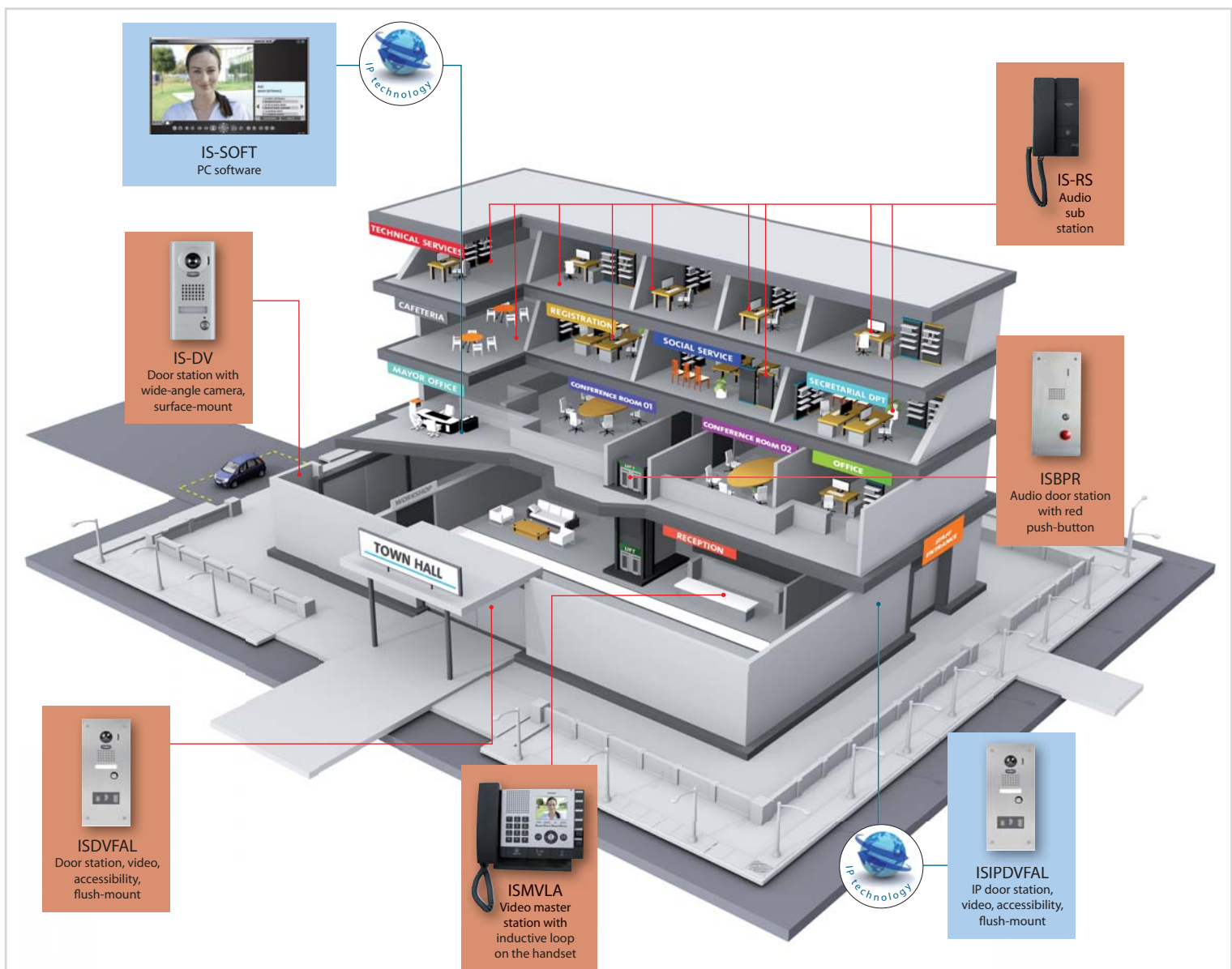
GOVERNMENT OFFICES

The security within establishments receiving the public, such as a government office or a museum, is a daily priority. IS solutions are designed to respond to your expectations and provide effective protection for people and property.

FUNCTIONALITY

- Internal communication between the various departments and Reception
- Management of public and staff entrances
- Emergency call from the lifts
- Calls forwarded to the security PC, management software including call logging

Analogue IS system
IP IS system





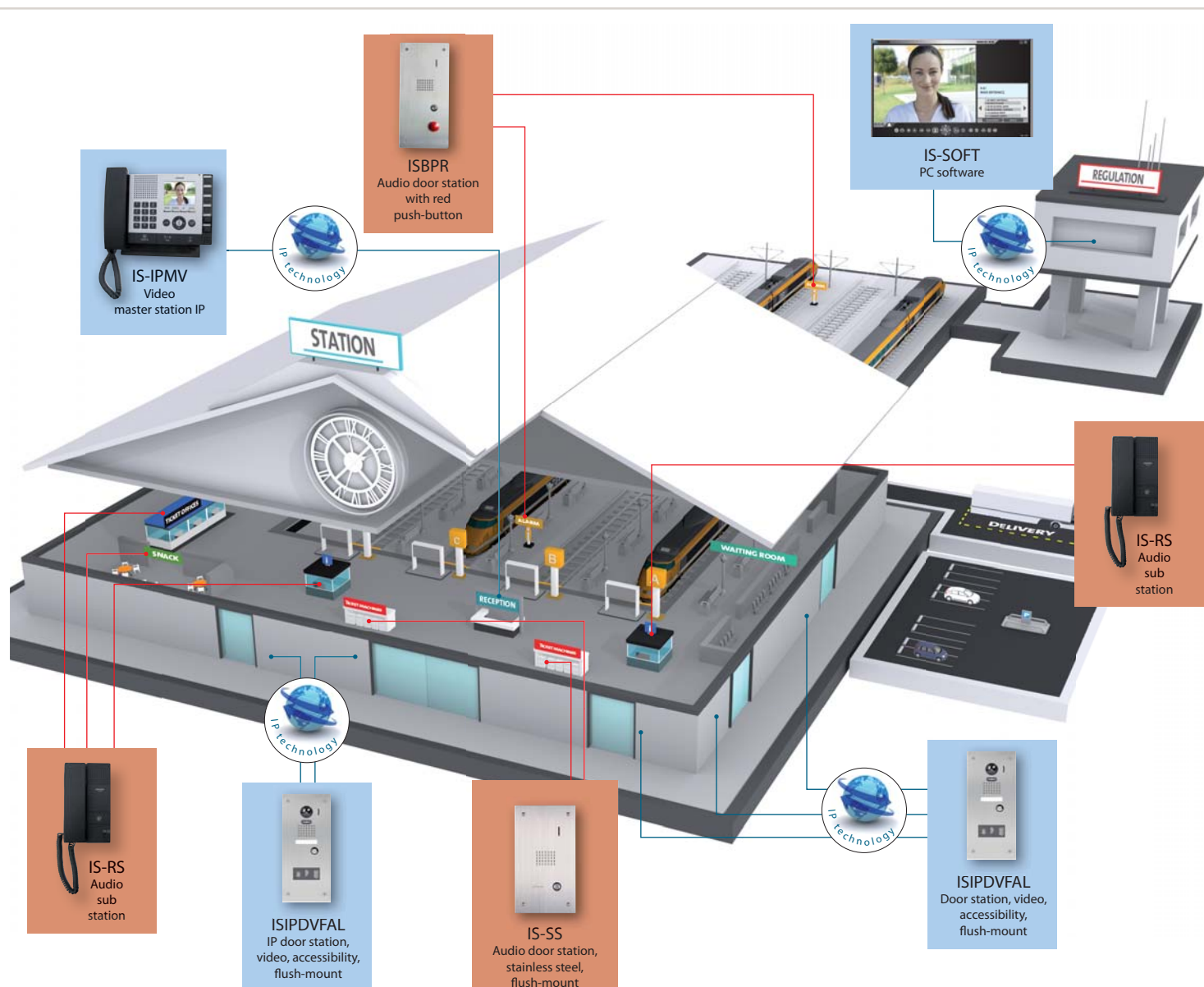
TRANSPORT & STATIONS

The transport environment, whether a station or an airport, demands an optimal security system. No matter how the transport site is organized, the IS solution gives you simple security management with no limitations on distance.

FUNCTIONALITY

- Internal communication between ticket machines, the various kiosks and Reception
- Management of access to delivery entrances
- Emergency call from alarm points on the platforms
- Option to connect to an external sound system to broadcast announcements using the control PC

Analogue IS system
IP IS system



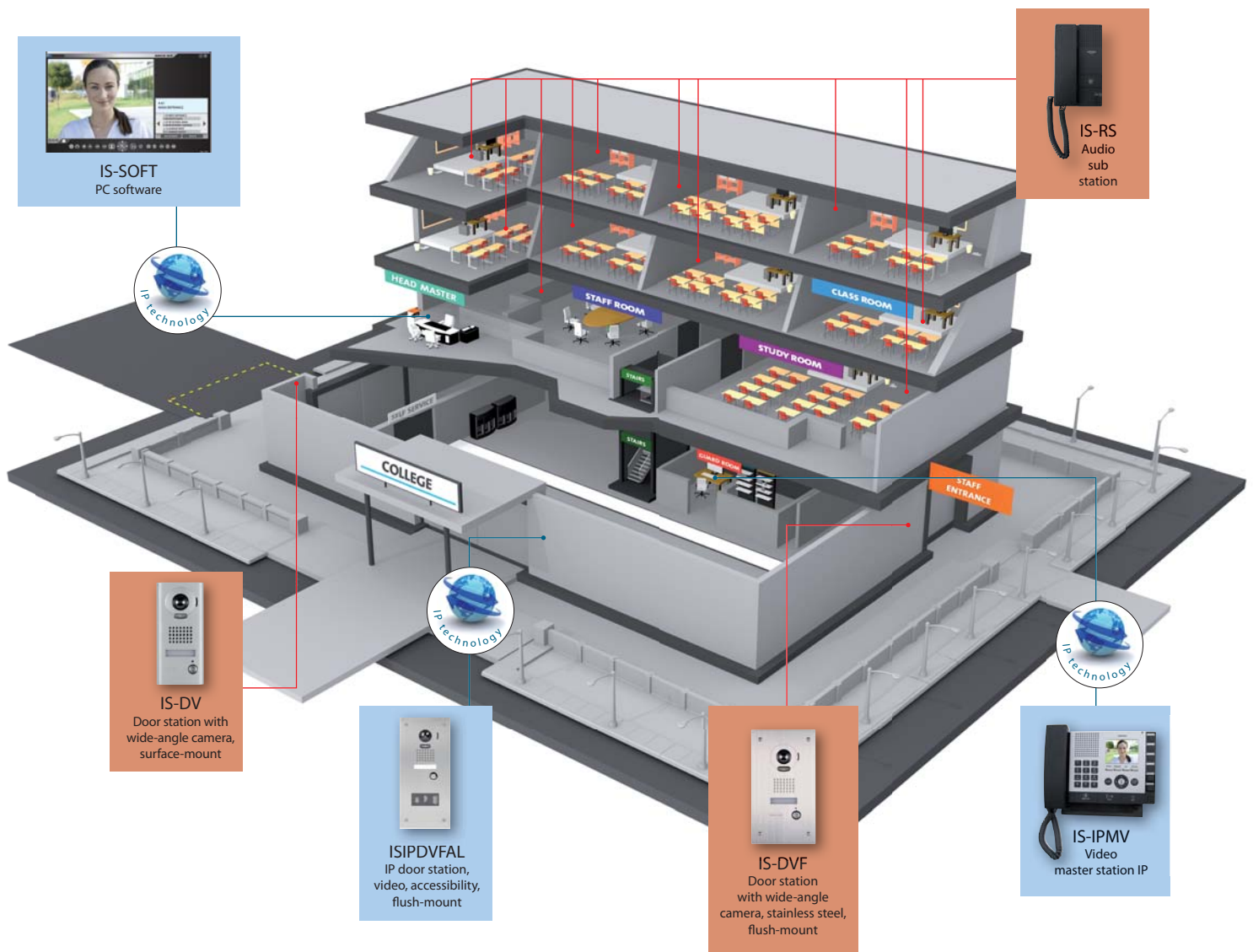


Whether the establishment is a lower or middle school or a university spread over a number of sites, the security of students and teachers is a prime requirement. Similarly, the equipment the students use must be protected, because it plays an essential role in good-quality teaching. Aiphone offers a solution tailored to each type of establishment.

FUNCTIONALITY

- Internal communication between the various classrooms and the caretaker's office
- Management of student and teacher entrances
- Emergency call
- Calls forwarded from the caretaker's office to the head teacher's PC, management software including call logging

Analogue IS system
IP IS system



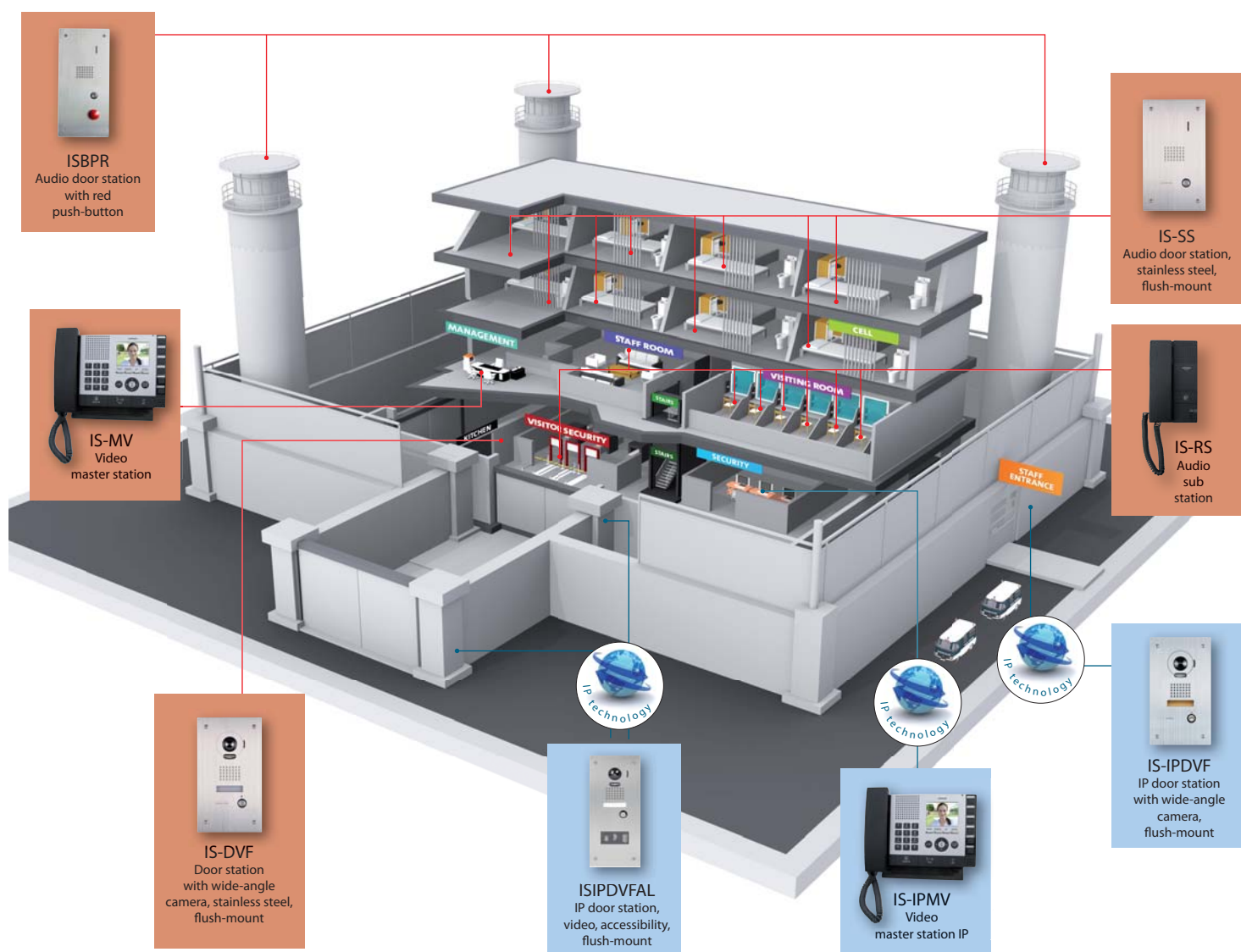


A prison requires totally reliable security to guard against all the risks associated with such an environment. The IS system offers you a high-quality solution that enables you to control the security of staff and prisoners remotely.

FUNCTIONALITY

- Internal communication for each visiting room
- Internal communication between the cells and Security
- Management of visitor and staff entrances
- Emergency call from the guard towers

Analogue IS system
IP IS system



AX SYSTEM: SIMPLE, ECO

AX is more than just an integrated security and communication system: it is a global solution that protects your site, providing intercoms, videophones, access control, telephone systems and video surveillance.

Multiple functions, multiple uses - AX is primarily a system that meets multiple needs.



PERFORMANCE THAT ENABLES YOU TO GROW

- Up to 120 door stations and 8 master stations
- Handles several simultaneous entrances (speech and video channels), allowing the user to manage calls made at the same moment. The calls are stored at the master station, which operates like a telephone switchboard.
- Hands-free communication
- Option to record an image when a call is initiated using a digital recorder (no sound)
- Calls forwarded to the telephone system via an optional interface
- Configuration via PC (software supplied)

FOR A SIMPLER SOLUTION, CONSIDER THE 3 IN 1

AX is an ultra-simple basic system comprising three key products:

- Control units that may be linked for 8, 24 or 32 entrances
- Video or audio master stations
- Surface- or flush-mount door stations.

You can be sure of a fast implementation:
our master stations and door stations are suitable for standard RJ45, CAT5e cabling.

**SPECIAL
NOTE!**

Go for reliability!

Our door stations have front metal die casting panels to make them vandal-resistant: a significant advantage for buildings in sensitive areas.

Markets for which AX is suitable:



ACCESS CONTROL



AX-DV-P

The AX system marries design and performance, offering you all the features expected of an access system for the commercial market as and when you want them.

Advantages:

- proximity reader integrated into the door station
- keyfob or credit-card design

INTERCOMS / VIDEOPHONES

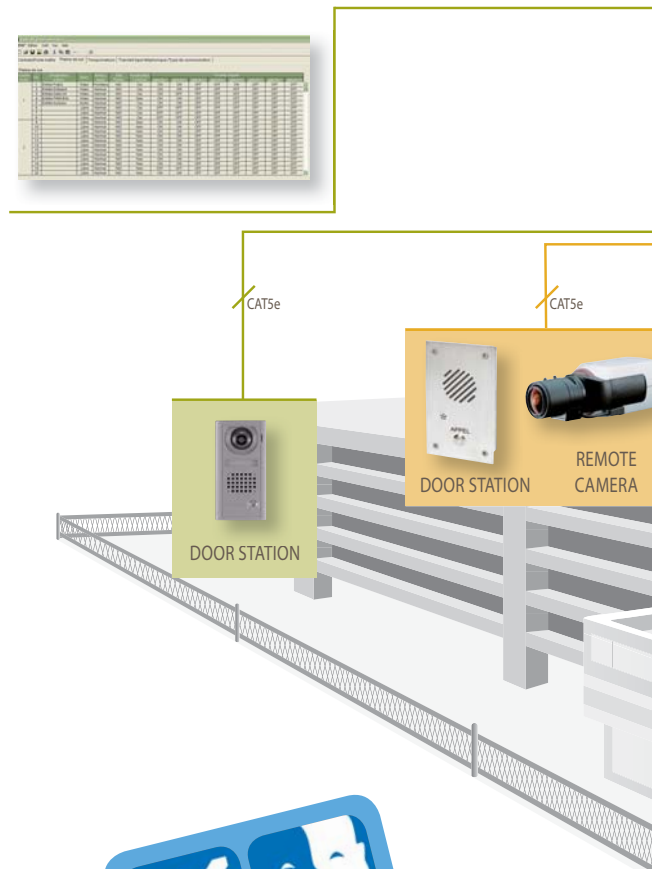


AX-8MV-W

Aiphone reinvents the standard intercom system with the AX adaptive system!

Advantages:

- very affordable
- flexible installation
- vandal-resistant door stations available surface-mount or flush-mount in stainless-steel



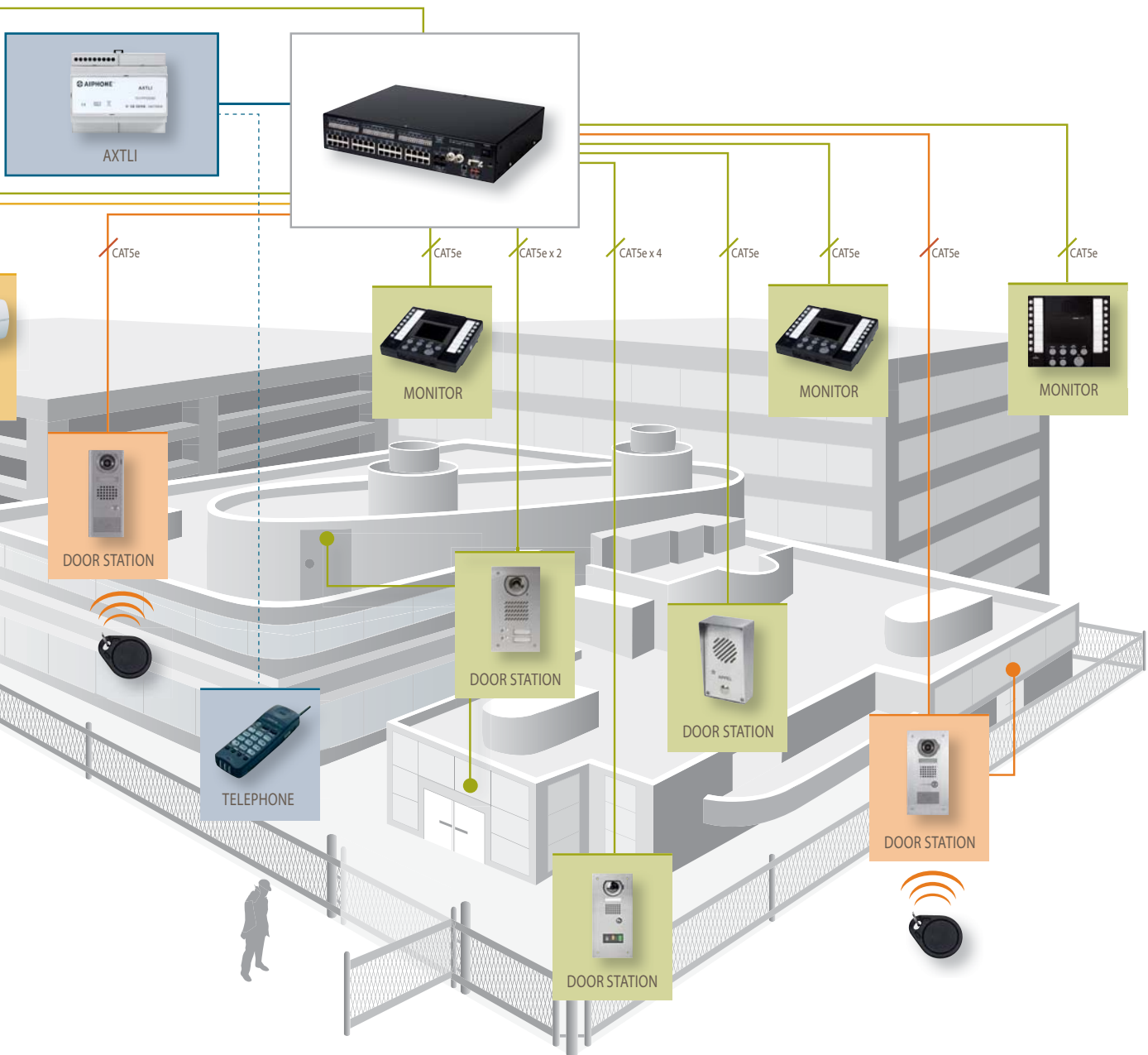
TELEPHONE SYSTEMS

With AX, you can now open a door remotely using a telephone!

If the security guard is absent, the AXTLI telephone interface can transfer calls from door stations to a mobile phone.

Advantages:

- open an entrance door remotely
- record up to three numbers in cascade
- synthesized voice announcements at each stage of the opening process



CCTV

AX is a system that can work with an existing video-surveillance system.

Advantages:

- modular
- flexible in use
- calls and cyclic monitoring may be stored using digital recorders



SYSTEM COMPONENTS

Control units



AX-084C
Control unit managing 8 entrances and 4 master stations

AX-248C
Control unit managing 24 entrances and 8 master stations

AX-320C
Additional 32-entrance control unit

Video and audio master stations



AX-8MV
Hands-free master station with colour video



AX-8MV-W
Hands-free master station with colour video, white finish



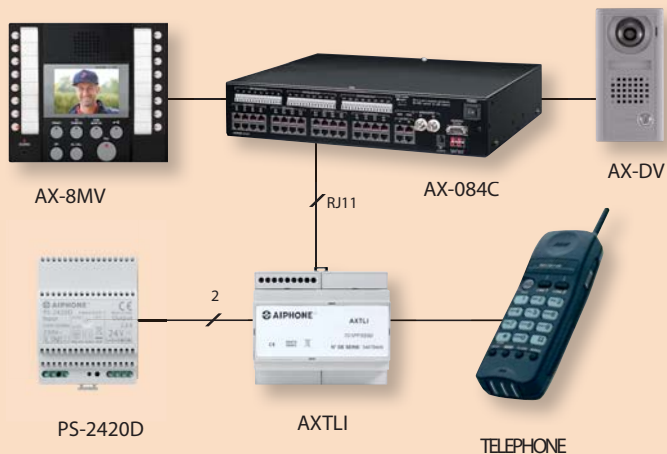
AX-8M
Hands-free audio master station



AX-16SW
Additional 16-entrance selector

OPTIONS

Telephonesystems



CCTV



CN100P
NTSC - PAL video converter for AX

CP100N
PAL - NTSC video converter for AX

CAPACITY

120
door stations

8
master stations

32
entrances

Video and audio door stations



AXDIE
Vandal-resistant flush-mount audio
door station in stainless steel



AXDI
Vandal-resistant surface-mount audio
door station in stainless steel



AX-DV
Vandal-resistant surface-mount video
door station



AX-DVF
Vandal-resistant flush-mount video
door station



AXDVF2
Vandal-resistant flush-mount video
door station with two push buttons
Also the AXDVF4
with four push buttons



AX-DV-P
Vandal-resistant surface-mount
door station with slot
for a HID[®] proximity reader



AX-DVF-P
Vandal-resistant flush-mount stainless-
steel door station with slot
for a HID[®] proximity reader



AXDVFAL
Vandal-resistant flush-mount
video door station
Accessibility – lighted pictograms
with synthesis voice



Worth a thought!
AXDVFAL can be fitted seamlessly
into the stand

FUNCTIONAL SOLUTIONS



ACCESS CONTROL

The Aiphone coded keypads provide a highly reliable access-control system, designed to withstand vandalism. They are stylishly designed so they accord well with the building, and are simple to operate.

All our keypads are cabled and programmed in the same way. They all have the same features, including two control relays (dry contacts at 12V or 24V) so that you can operate the different building accesses as you wish.



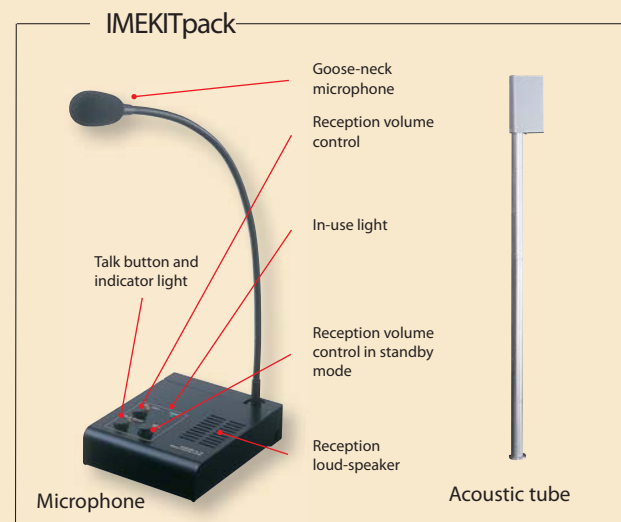
All keypads are back-lit.

The back-lit keypad is easy to use in low lighting. You can leave the lighting on all the time, or set it to come on for a specified time (between 10 and 99 seconds) after pressing a key.



WINDOW INTERCOM SYSTEMS

The elongated form of the acoustic tube included in the IMEKIT means the field of view is not obstructed, and no holes are required in the glass partition.

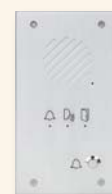


TELEPHONE DOOR STATIONS

Telephone door systems enable you to answer a call from your telephone.

A practical solution that gives you more freedom!

Flush-mountable door stations, one or two calls



TL11
1 call

TL12
2 calls

Flush-mountable door stations, one or two calls, access keypad



TL11K
1 call

TL12K
2 calls

Metal-injection moulded keypads, IP54



AC-10S
surface-mount keypad



AC-10F
flush-mount keypad

Stainless-steel keypads



CIE3



CIE4

For internal or external use:

- For those with a visual impairment: tactile marker on the 5 key and beep as door opens
- Choice of finishes: RAL paints, chrome, brass or matt nickel
- Four-, five- or six-figure code
- Two N/O - N/C relays, one configurable as an alarm contact
- Total distance between 12 Vdc supply (0.8 mm²) and keypad: 100 m
- Total distance between 24 Vdc supply (0.8 mm²) and keypad: 300 m

Finishes

Attractive shades that harmonize with the external environment



RAL 1036



RAL 3005



RAL 5002



RAL 6005



Chrome



Brass



Power
transformer

Pack comprises:

- IME-100 microphone with OU-100 windows base stand
- public loud-speaker DR-100 and extension IAX-100 forming the acoustic tube
- windows control unit MU-100
- power-transformer unit PS-2420S



Options:



ISE-100
Presence
detector

IMEKIT Pack – key points:

- Use of an acoustic tube and a noise-cancelling microphone
- Hands-free communication – voice-activated commands
- Flexible Goose-neck microphone
- Optional mono headset (3.5 mm mono jack plug)
- Detector starts communication mode automatically
- Separate external loud-speaker or AS-3N
- Call for the waiting area
- Maximum distance between the windows and the external loud-speaker (0.8 mm²): 20 m

Flush-mountable door station, four calls, access keypad



TLI4C

Technical characteristics:

- Vandal-resistant 4-mm aluminium
- Connection to a dedicated analogue phone line or a PABX
- Coded keypad for access control (type AC-10F - 100 codes / 2 relays), not usable for call dialling (TLI1K, 2K & 4C)
- Call button for automatic routing to eight pre-recorded numbers: 4 for day mode and 4 for night mode (TLI1, 2, 1K & 2K)
- Forwarding to 4 numbers from call key 1 and forwarding to 2 numbers for the other call keys (TLI4C)
- Release control
- External 12Vdc power supply (supplied)
- Voice synthesis: pre-recorded messages
- Day/night mode: "day" and "night" numbers dialled automatically, switched by an external clock (not supplied) or by a DTMF telephone
- Adjustable reception level
- Parameters can be configured remotely from a DTMF phone

CALL POINTS

Aiphone has both assistance and emergency call points.

They are specially designed to meet the needs of the commercial market, and may be either wall- or floor-mount.

They can be fitted with either audio or video door stations.

The emergency call points are compatible with IP, analogue and telephone technologies.



Technical characteristics:

- Painted steel
- Vandal-resistant
- External or internal use
- Height of call button suitable for the handicapped people



Available in January 2012 –
please call us.

Wall-mount
emergency call points



BUM601

Emergency call points



BU1701

Emergency call points



BU2501

Colours in the standard RAL chart are
available with the reference BUPAINT.
For instance:

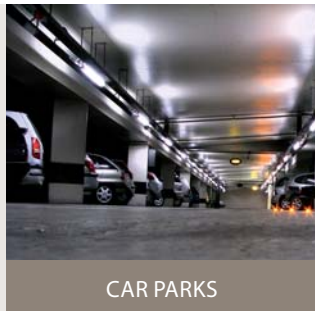


Photos of call points not contractually binding



STAND FOR INCORPORATING AIPHONE DOOR STATIONS

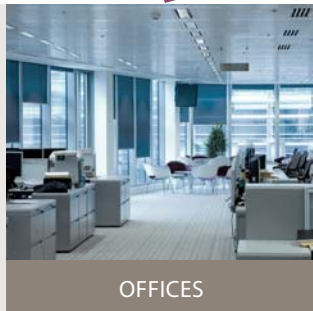
New



CAR PARKS



SHOPS & SUPERMARKETS



OFFICES



INDUSTRY

Aiphone stands are manufactured in painted steel with "black finish no. 5".

The height is such that it allows disabled access.



MULTI-UNIT PROPERTIES



GOVERNMENT OFFICES & MUSEUMS

Delivered in two sections for simpler logistics (transport & storage):

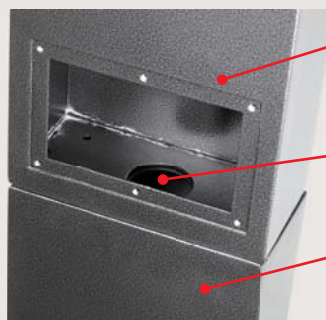
Upper section

Lower section



Ventilation at the top and bottom protected by a metal grid

Cable duct provided between the two sections.



Upper section

Ø 40 mm

Lower section

A FULL RANGE OF CLOSURE DEVICES

Each installation requires a strike plate or magnetic lock to keep the door closed, so that an exit button is necessary... We offer a wide choice of door fasteners.

Electric door strikes All our electric door strike (except EL-12S) are reversible and symmetrical. EL-12S is our RoHS-compliant strike. They are sold with double face plates. Wide choice of electric door strikes (1-time, 2-time or voltage breaker).



EL-12S



ELSRT90

Stands

Aiphone stands are installed in all types of building and their height is such that the handicapped people can gain access.



PA1201
For AC-10F
PA1201 + PFBP60
For 60mm
push buttons

PA1602
For AXDVFAL door stations
PA1601 + PAX
For the AX-DVF door station

Door release buttons

Door release button specially designed to be installed in a 60mm-diameter box for a plaster-board or solid partition.

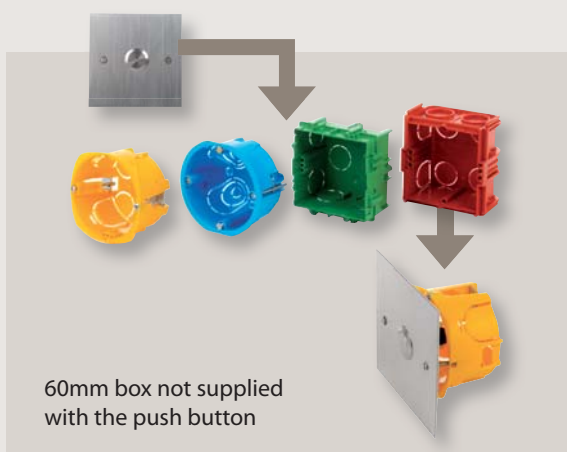
All our door release buttons have double N/O – N/C security



PNONF60



BPNONF60



60mm box not supplied with the push button

Flexible cable hoses also available.



BPNONF



BPNONFE



BPNONFCV



ELFX



BPNONFE60



BPNONF60C



BPNONF60CV



ELFX2

Magnetic locks

Our magnetic locks can include a contact signalling door closure.

They are surface- or flush-mount (300 kg or 600 kg).

Z- and L-mounting brackets are available.



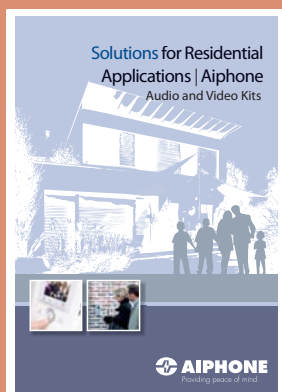
V300



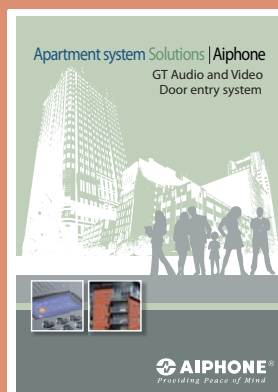
V300SA

FOR MORE INFORMATION

REQUEST our sales brochures for each market



Residential solutions
Audio and video kits



Solutions for multi-unit housing
GT audio and video door systems,
access control system and locking systems

VISIT OUR SITE www.aiphone.pro

It's easy and simple to access our web site for a quotation – no login, no password!



IS - automated quotes available shortly!

New internet site:

- Better designed, more intuitive and dynamic,
- Greater functionality, including RSS feeds
- New product data sheets with photos, features, instructions and diagrams.

Distributed by:

 **AIPHONE®**
Providing Peace of Mind

www.aiphone.pro