

Video Intercom and Telephone Solution

***Not Only An Intercom System,
But Also A Telecom system.***



Video Intercom and Telephone Solution

All in one Solution, combines video intercom, Telephones and Surveillance into one seamless unit .

Features

Voice ,Video and Data on one network.

Modular System – easy to install and upgrade.

Multifunctional – use the video phones for Intercom and Telephone calls.

All devices work on network cable saving cabling costs and enabling quick installation.

Integrated VoIP lines for enhanced efficiency and savings.

Auto Attendant system with Voicemail and Voicemail to email notification.

Easy access and management of devices through PC locally or remotely.

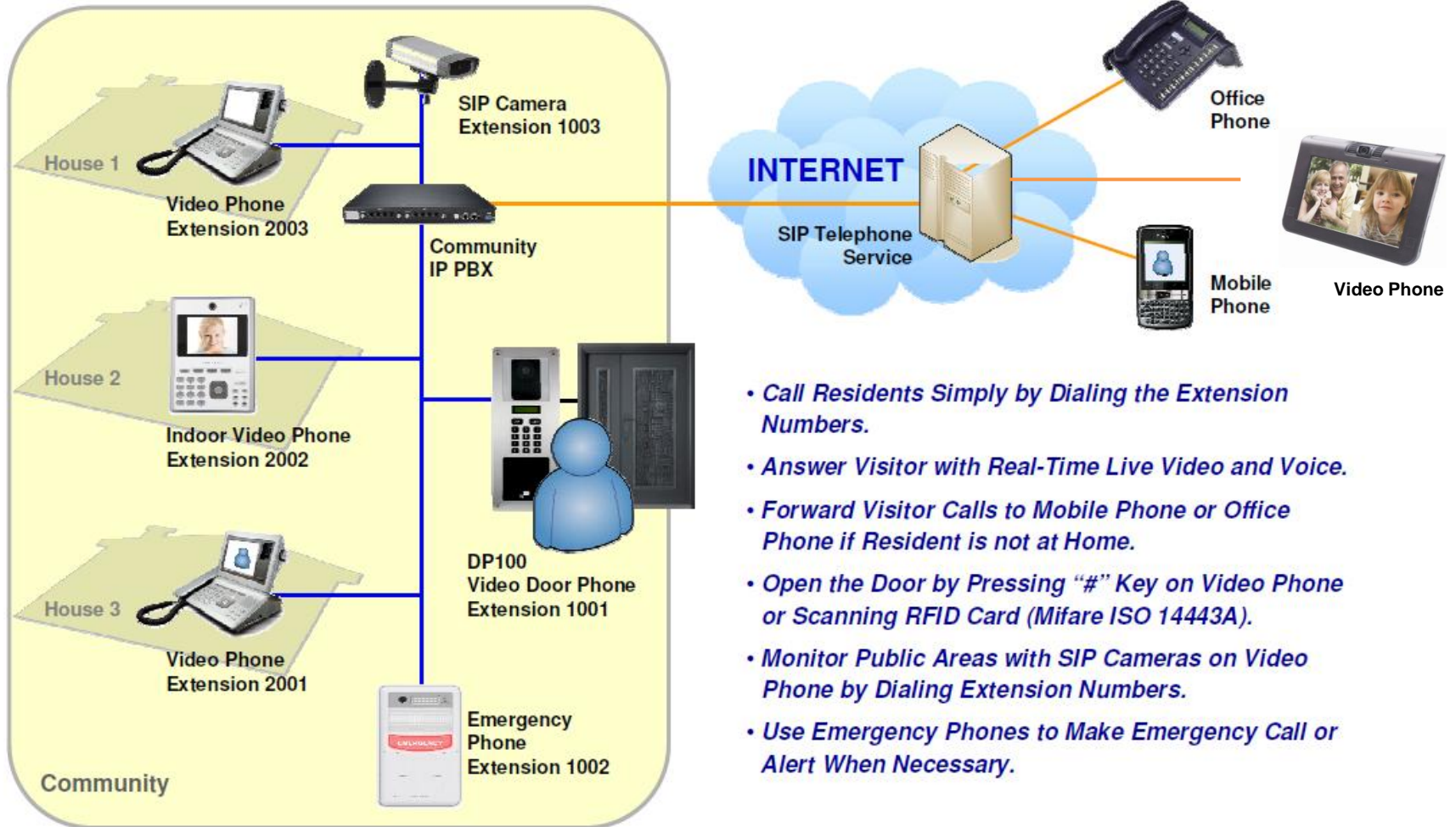
Open Standard Solution supports 3rd party SIP devices, no vendor lockins.



System Features

- ***Advanced SIP Based Door Entry System Supports Both Intercom and Telecom Services.***
 - ***Talk to Visitors with Real Time Live Video and Voice.***
 - ***Forward Visitor Calls to Mobile Phone or Office Phone When You Are Out.***
 - ***Monitor Surrounding Areas on Video Phone with SIP Camera.***
 - ***Use as Emergency Phone in Particular Locations Like Basement, Parking Lot, Single Elder's Home, etc..***
 - ***Connects to SIP VoIP Services, Use Video Phone as General VoIP Phone.***
 - ***Open Electronic Door Lock by Single Button on IP Video Phone or RFID Card.***
 - ***Embedded RFID Card Database and Entrance Log System.***
 - ***VGA CMOS Sensor with Wide Angle Lens.***
 - ***White Light-Compensator and GPIO to Trigger External Lighting for Night or Dark Environments.***
 - ***Water and Dust Resistance Mechanism.***
 - ***Wall-Mounting Box for Secure Placement.***
 - ***Friendly Web User Interface for Configuration and Management.***
 - ***Support up to 2000 Extensions with Stackable IP PBXs.***
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Application schematic for Residential Apartments



- *Call Residents Simply by Dialing the Extension Numbers.*
- *Answer Visitor with Real-Time Live Video and Voice.*
- *Forward Visitor Calls to Mobile Phone or Office Phone if Resident is not at Home.*
- *Open the Door by Pressing “#” Key on Video Phone or Scanning RFID Card (Mifare ISO 14443A).*
- *Monitor Public Areas with SIP Cameras on Video Phone by Dialing Extension Numbers.*
- *Use Emergency Phones to Make Emergency Call or Alert When Necessary.*

Video Intercom & Access Control Solution for Single Houses

SIP solution integrates Audio, Video and Data into one seamless unit for ease of Operation, Savings, Mobility and Flexibility.

Advantages

Multifunctional devices , hence less hardware is required.

Multifunctional Handsets make intercom or outbound Video /PSTN/ VoIP/ GSM calls from same handset.

Integrates VoIP lines for enhanced efficiency and savings.

Integrates with SIP surveillance cameras and NVRs.

Integration for Home Automation applications through Gateway.

Supports remote view and control from PC or Mobile.



SIP Server

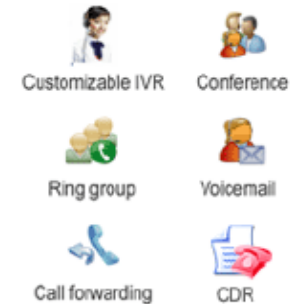
The SIP Server is a Modular Voice and Video Intercom control box. It offers Integrated Auto Attendant, Voicemail, Voicemail to email and many other advanced functions into one single unit.

It can communicate with multiple devices over the LAN like IP Phones, Video Phones, Wi-Fi Phones, Door Phones, SIP Cameras etc.

Telstra Lines, VoIP trunks , Mobile GSM lines etc. can also be integrated by using optional plug-in PSTN / Modules and Gateways.

Features Include

*Voice and Video calls support
Automatic Route Selection
Call Forwarding to Mobile or Landline
Conferencing , Call forwarding
Call Pickup and Transfer
Voicemail with email notification
One touch call recording
Do Not Disturb
Remote User support
Criteria based Inbound Call Management*



Plug in option for PSTN and GSM trunks



SIP Communication Server .

SIP Phones

SIP phones install on the computer network cabling and can share the same cable with a PC. Users can access Intercom, PSTN, VoIP and GSM services when integrated with the SIP server.

SIP 710 is a basic handset with 3 line backlit display and supports 2 lines. Features include – Message wait indicator lamp, 500 name / number directory, Hands free full duplex speakerphone, Number Note Pad, 2 integrated 10/100 Ethernet ports and built in PoE. Excellent robust design, can be wall mounted.

SIP 880 is a high end professional phone with a large LCD display. It supports 3 lines. Features include Message wait indicator lamp, 500 name/ number directory , Hands Free full duplex speakerphone etc. It can be programmed to support different ringtones for intercom calls / telephone calls based on caller ID, it comes with 2 integrated 10/100 Ethernet ports and built in PoE functions.



SIP 710 IP Phone.



SIP 530 IP Phone.

SIP Video Phones

SIP 2.0 compliant Video phones deliver Stunning Video Quality with Excellent Voice Clarity.

The video phone opens a new world of applications. It gives you immediate face to face communication capability whether it is with a visitor at your door or a loved one thousands of miles away.

When integrated with SIP server you can answer video door phone calls, monitor SIP cameras & Door phones.

Features Include

Handsfree speakerphone.

High Resolution LCD Panel

Audio Video Synchronization.

Picture in Picture.

Video and Audio output ports.

Bandwidth Control Management.

Adjustable LCD & Camera angle.

2 x 10/100 Ethernet LAN ports.

Screensaver and Photo Frame.

Point to Point Video Conferencing.

Camera lens cover for privacy.



SIP111 VIDEO IP Phone.

SIP Wi-Fi Video Phones

The SIP 620 Wi-Fi Video Phone supports high resolution video telephony with 10.2 " touch screen LCD panel.

It also offers Picture based phone book, Digital Photo Frame display ,optional Bluetooth headset support, USB Keyboard interface.

When integrated with the SIP server, users can answer Video Calls from the Doorphone, Open Doors, Monitor SIP cameras , Browse the Internet and make VoIP, PSTN and GSM calls.

Features Include

*Full Duplex Speakerphone function
Phone book contacts.*

*Video conference 2 way and 3 way
Support H.263 / 264 video codecs*

Integrated Web Browser

802.11b /g/n Wi-Fi with full security

10/100 Mbps RJ45 Ethernet port

Many other applications



SIP 620 Wi-Fi Video tablet .

SIP Video door phones

SIP Video Door phones give you the ability to identify visitors before you open the door.

When integrated with the SIP server, these devices not only work as an intercom but can also connect to telephone services and can forward calls to your mobile or any pre-assigned number.

You can also monitor the area in front of the Doorphone by dialing through the Video Phone, Wi-Fi Handset or PC based soft phone.

Features include

Hands free speakerphone

Built in IR illumination for night visibility.

Electronic GPIO Ports for advanced applications

Built in Electric Relay for Door Lock control

Water Resistant keypad

Built in Camera with wide angle lens

RFID security card reader with embedded database

Integrated Microphone and Speaker

Illuminated LCD Screen – SIP 100

Power Over Ethernet option

Various models – Single house models, Emergency Call models & Community / Building models etc.



SIP 101R Video Doorphone .



SIP 100 Community Video Doorphone .

SIP Video and Home Automation terminals

The Video and Automation Terminal is wall mount, easy to install system. It can display images from Video door phones, IP Video Phones, SIP cameras etc. with stunning voice and video clarity. It also works as a SIP phone and can be used for PSTN , VoIP or GSM calls when integrated with the SIP server.

As a Home Automation Management terminal it offers Scenes and Security settings, Alarm Management, RFID, Temperature/ Humidity/ Light sensors and a host of IO modules.

Features include

Built in Camera with privacy cover

Integrated VoIP video phone

Picture in Picture

Screen Saver

10/ 100 Ethernet LAN Port with PoE

Built in Microphone and Speaker

Audio Input and Output ports

Bandwidth control management

Web management interface



SIP 5101 Automation Gateway .

SIP Surveillance Cameras

The SIP surveillance cameras deliver video and bi-directional audio anywhere at anytime. You can not only monitor live video from your video phone / PC but can also give instructions / make announcements.

Superior Multi- Channel video streaming allows selection of different video formats for recording and viewing whether on a PC monitor or on a mobile phone.

Features include

Support for HTTP and SIP protocols

H.264, MPEG 4 and MJPEG Video streaming

Support for multiple Video Formats

Motion detection with multiple areas

Event triggered Email Alerts and FTP uploading

Solid full metal housing water and dust resistant

Bi directional Audio with G 726/AMR / G 711 Codec's

Built in Microphone

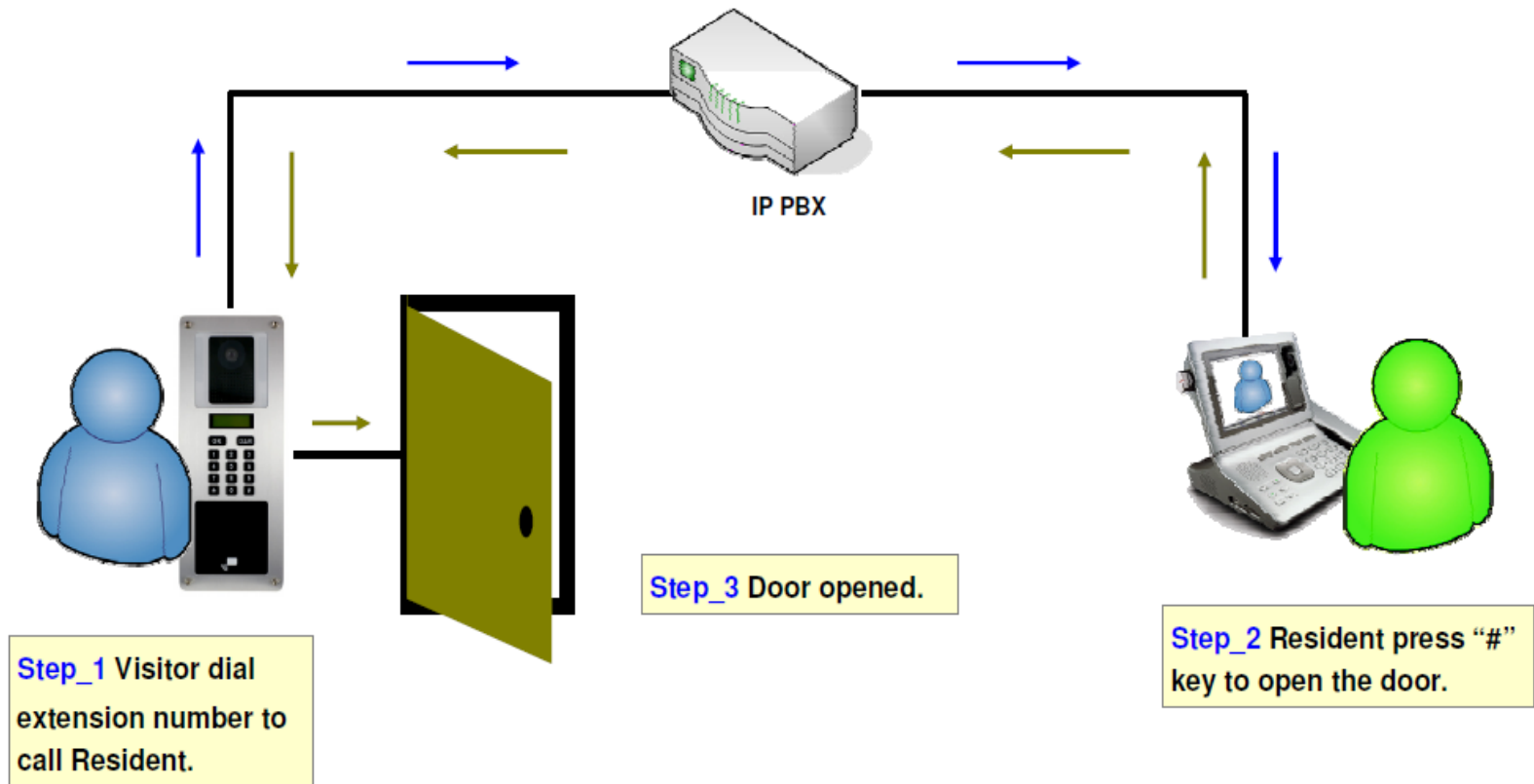
10/100 Ethernet LAN Port

Optional PoE and Wi-Fi models

Web user interface for configuration and Management



Application schematic of Electronic Door Lock Control.



Advantages of using SIP over traditional intercom systems

SIP is the way to the future . Unlike traditional intercom systems SIP based devices work together as a seamless single unit on the common network cable sharing resources and reducing costs. Some of the advantages include.

- 1. Less Hardware Required** – Multifunctional devices , for example using a SIP video phone you can answer intercom calls, make outbound PSTN /VoIP/ GSM calls. If you have a good internet connection you could also make video calls using the same handset.
 - 2. Common Network Cable** - all devices work on the common network cable saving on cabling costs and making installation easy and quick.
 - 3. Professional System** - Advanced event management enables forwarding of calls to your mobile or any designated number. The system can record and forward voice messages to email inboxes thereby keeping you updated.
 - 4. Modular and Scalable** - You can start with a basic System and add new components as and when required.
 - 5. RFID Access Control** - Integrated RFID for a higher level of security and convenience.
 - 6. Open Standards** - The system works on open SIP standards ensuring easy interoperability with third party devices , you are not locked in with one vendor.
 - 7. Mobility and Flexibility** – The SIP platform allows easy integration with Wi Fi devices , you can integrate your Iphone or load a soft phone on your Ipad or PC to answer intercom calls.
 - 8. All in one Future Proof solution** - SIP is the technology of the future.
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