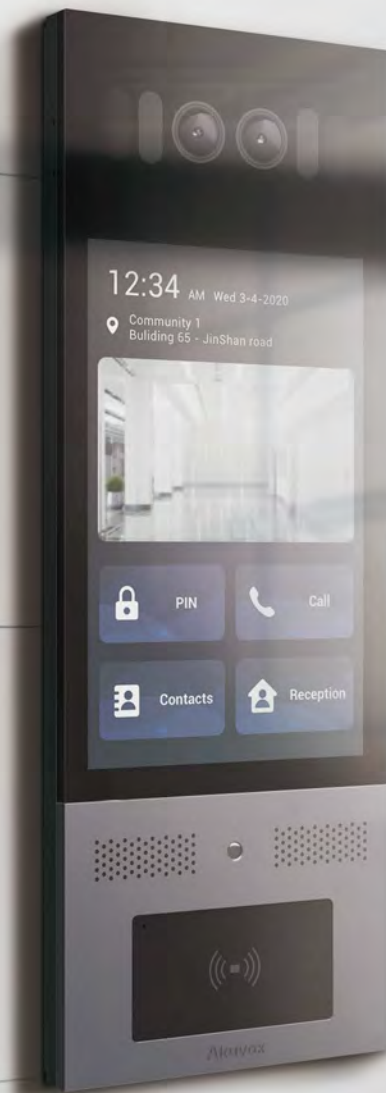


# Akuvox

## Smart Intercom Catalogue



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# CONTENTS

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## 01 The Company

- The Global Leading Provider of Smart Intercom
- Pioneer of Smart Intercom

## 04 Smart Intercom Technologies

- AI
- Cloud
- Android
- SIP
- Security
- Technology Partners

## 11 Smart Intercom Products

- Door Phone
- Access Control
- Indoor Monitor
- Android IP Video Phone
- Akuvox SmartPlus
- Software

## 36 Smart Intercom Solutions

- Residential
- Commercial
- Assisted Care & Hospital
- Public Space

## 45 Accessories

- Overview of Mounting Accessories

## 48 Selection Guide

- Overview of Key Product Features

# Akuvox



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# The Company

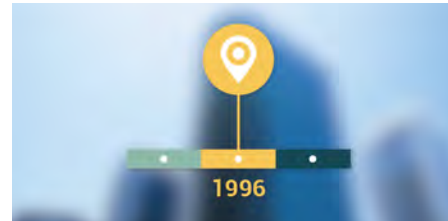


## The Global Leading Provider of Smart Intercom

Akuvox is a global leading innovator of smart intercom and access control products and solutions. We are committed to unleashing the power of technologies to improve people's lives with better communication, greater security, and more convenience.

### Part of Star-net

Akuvox is part of Star-net, a \$1.6-billion international group, which is a leading ICT solution provider in China.



**Established in 1996**



**\$1.6 Billion Annual Revenue**



**4000+ R&D**



**70,000+ m<sup>2</sup> Manufacture Base**

# Pioneer of Smart Intercom

Encompassing Artificial Intelligence, Cloud, Android, SIP, Security, and other advanced technologies, Akuvox continuously drives breakthrough changes in the industry and creatively delivers an unrivaled portfolio of smart intercom products and solutions, allowing more people to take advantage of smart living easily.



AI



Cloud



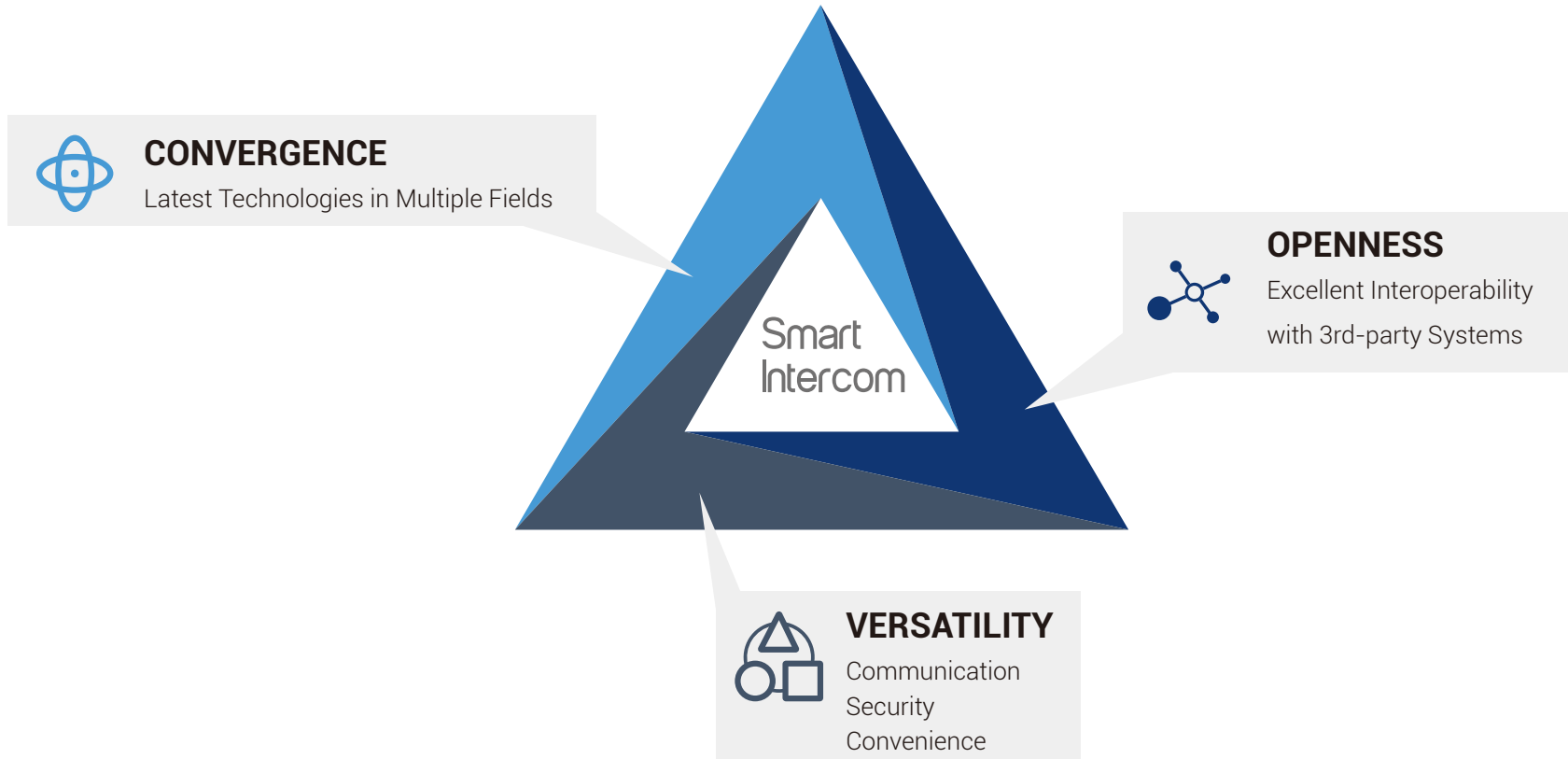
Android



SIP



Security



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# Smart Intercom Technologies

# Smart Intercom Technologies-AI

## Leading AI Technologies



### Facial recognition door entry

Your face is your identity. The underlying anti-spoofing liveness detection algorithm makes it hard to be fooled by photos or videos.



### Offline voice control

Use your voice to control intercom devices. The voice data are processed directly on the device, faster and securer compared with an online method.



### Fall detection

Exploring the synergy of image recognition technique and deep neural networks, Akuvox empowers intercoms to increase in-home safety for older individuals.



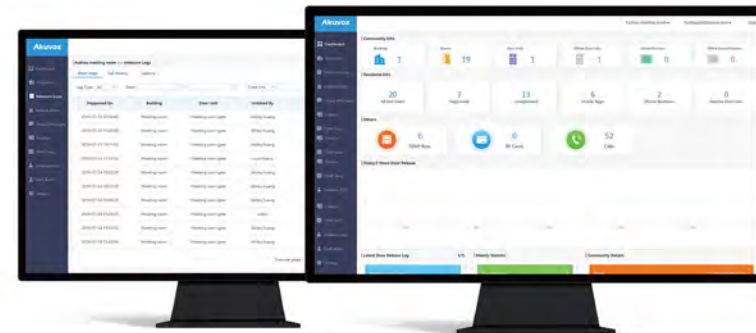


# Smart Intercom Technologies-Cloud

## Smart Cloud-based Intercom Service

Akuvox SmartPlus, a smart cloud-based intercom service, allows Akuvox's intercom and access control devices to link, communicate, and interact intelligently with one another without any geographical restrictions, making buildings smarter and securer.

- **Mobility:** intercom and building access anywhere, anytime
- **Flexibility:** remote provisioning and maintenance for any scale of systems
- **Stability:** 24/7 self-monitoring with >1 million monitoring tests per month at a 99.99% success rate
- **Security:** triple data backup mechanism ensuring 99.999% data reliability





# Smart Intercom Technologies-SIP

## Better Communication

Akuvox's intercoms are based on SIP, a universal IP communication protocol, allowing you to build an extensive communication system. Compared with a non-SIP system, SIP-based intercoms are easy to learn, use and maintain and are easy to integrate into a phone system.



Premium audio and video quality



Communication between any SIP-supporting systems



Work with mobile phones and landlines



# Smart Intercom Technologies-Security

## Greater Security

Akuvox's smart intercoms can be flexibly connected with various alarm systems such as smoke detectors for greater home security.


Akuvox dedicates itself to improving the robustness of its products against damage caused by external factors. Akuvox's intercoms are certified with IK and IP ratings, which can be as high as IK10 Rating, and feature the tamper-resistant mechanism.

We are also committed to protecting your intangible property through advanced network security measures, such as AES256, HTTPS, Anti-DDoS, and GDPR compliance.





# Work with Global Technology Partners

Together with our valued and trusted partners, Akuvox creates smart intercom and access control solutions that meet our customers' ever-increasing security and convenience needs.

 Home Automation


Control4

 Snap<sub>av</sub>


 RTI

LifeSmart  
云起智能

zipato

 iRidium mobile

core

 tuya

 Telephony


Yeastar

 broadsoft


 aarenet


 elastix  
FREEDOM TO COMMUNICATE


 epygi  
Manufactured in the USA

 Video Management System

Genetec


 milestone

 NetworkOptix  
VIDEO-POWERED

 Access Control

VANDERBILT

ZKT<sub>ECO</sub>

 parsec

---

# Smart Intercom Products



# X9'15

High-end Smart Door Phone  
for Luxury Buildings



German Industrial  
Design



IK10 Vandal  
Resistance Rating



AI-powered  
Facial Recognition



# Akuvox X915S

## Facial Recognition Android Door Phone

- 8" full-color touch display provides ultra-wide viewing angles
- Visible light facial recognition
- Anti-spoofing algorithm against photos and videos
- The primary camera features a built-in HDR mode to tackle a variety of high-contrast scenes
- Fully compliant with the IK10 Rating
- Support multiple verification methods, including the face, card, PIN, Bluetooth, and QR code
- Ability to integrate with an induction loop antenna for users with hearing aids
- Multiple theme options available to personalize and suit a range of locations

Android 9.0

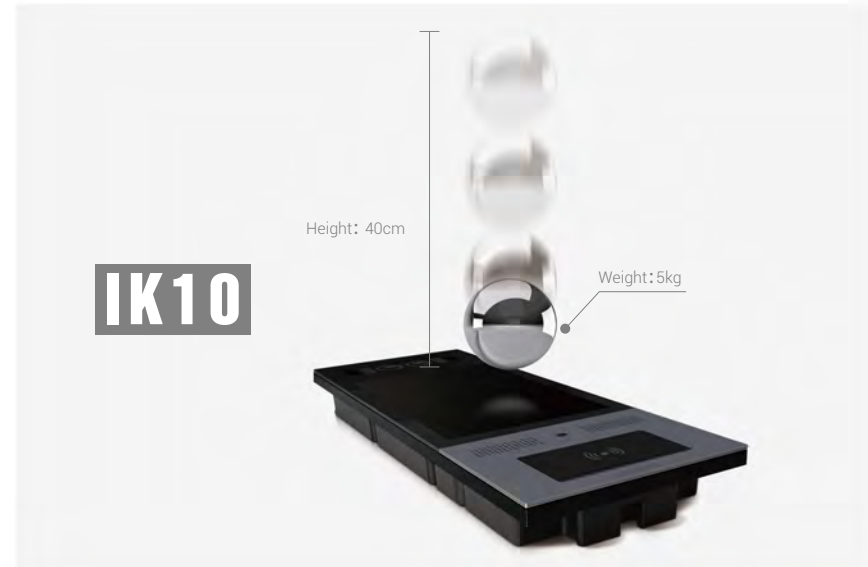
ONVIF

Wiegand

PoE

IP65

IK10










# Akuvox R29C

World's First Facial Recognition  
Android Door Phone

---

-  Anti-spoofing facial recognition
-  Touchless building entry
-  Easy-to-navigate UI

# Akuvox R29C

## Facial Recognition Android Door Phone

- 7" capacitive touch screen supporting glove mode
- Aluminum panel
- Dual-camera: one 120° wide-angle 3MP camera with IR and an auxiliary 1MP camera
- Support multiple access control methods: facial recognition, NFC, 13.56MHz and 125kHz access cards, Bluetooth, and QR code
- Cold-resistant version (-40 °C to 55 °C) available
- Support plasterboard installation
- Black color version available





## UPGRADE YOUR BUILDINGS WITH SMART DOOR PHONE ON A BUDGET



Facial recognition



Mobile access



Temperature detection (optional)

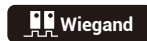


E16 ▶

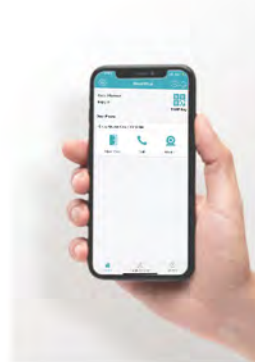
# Akuvox E16C

## Facial Recognition Door Phone

- 5" full-color touch display provides ultra-wide viewing angles
- Visible light facial recognition
- Anti-spoofing algorithm against photos and videos
- Support SIP to provide reliable two-way voice & one-way video communication
- Support multiple verification methods, including the face, card, PIN, Bluetooth, and QR code
- Support stand-alone operation
- Optional body temperature detection function
- Powered by PoE or external power supply



Mobile app



Facial recognition



NFC



QR codes



PIN codes



IC cards





## Akuvox X916

### World's First Android Door Phone with Starlight Camera

- 13" capacitive touch screen
- 316-grade stainless steel panel
- Dual-camera
- Dual-microphone for noise reduction
- Support multiple access control methods: facial recognition, NFC, 13.56MHz and 125kHz access cards, Bluetooth, and QR code



## Akuvox R29C-B

### Facial Recognition Android Door Phone with Temperature Detection

- 7" capacitive touch screen supporting glove mode
- Aluminum panel
- Dual-camera: one 120° wide-angle 3MP camera with IR and an auxiliary 1MP camera
- Support multiple access control methods: facial recognition, NFC, 13.56MHz and 125kHz access cards
- Body temperature measurement of people entering buildings
- For indoor use only



## Akuvox R29C-L

### Facial Recognition Android Door Phone with 4G Technology

- 7" capacitive touch screen supporting glove mode
- Aluminum panel
- Dual-camera: one 120° wide-angle 3MP camera with IR and an auxiliary 1MP camera
- Support multiple access control methods: facial recognition, NFC, 13.56MHz and 125kHz access cards
- LTE wireless communication requires the minimum efforts for device installation
- On-wall mounting only



## Akuvox R28A

### SIP Video Door Phone with Numeric Keypad

- 4.3" color TFT LCD
- Premium audio and video quality
- Aluminum panel
- 116° wide-angle 2MP camera with automatic lighting
- Support multiple access control methods: NFC, 13.56MHz and 125kHz access cards
- Cold-resistant (-40 °C to 55 °C)



## Akuvox R27A

### SIP Video Door Phone with Numeric Keypad

- Premium audio and video quality
- Aluminum panel
- 116° wide-angle 2MP camera with automatic lighting
- Support multiple access control methods: NFC, 13.56MHz and 125kHz access cards
- Anti-cold version (-40 C to 55 C) available



## Akuvox R20K

### Compact SIP Video Door Phone with Numeric Keypad

- Premium audio and video quality
- 110° wide-angle 2MP camera with automatic lighting
- Support NFC, 13.56MHz and 125kHz access cards
- Ideal for environments with limited space



## Akuvox R20B

### Compact SIP Video Door Phone

- Five call buttons with nameplates
- Wide-angle camera: 110° (H), 58° (V)
- Two-way audio communication over IP networks with Echo Cancel feature
- Comply with SIP standard for easy integration with SIP-capable PBXes
- Comply with ONVIF standard for easy integration with any network surveillance system



## Akuvox R20A

### Compact SIP Video Door Phone

- Premium audio and video quality
- 116° wide-angle 2MP camera with automatic lighting
- Support NFC, 13.56MHz and 125kHz access cards
- Ideal for environments with limited space



## Akuvox E21V

### SIP Video Emergency Intercom

- Vandal-resistant with 316-grade stainless steel body
- Premium audio and video quality
- 116° wide-angle 2MP camera with automatic lighting



## Akuvox E21A

### SIP Emergency Intercom

- Vandal-resistant with 316-grade stainless steel body
- IK10 Rating
- Premium audio quality



## Akuvox E11R

### Compact SIP Video Door Phone

- Premium audio and video quality
- 116° wide-angle 2MP camera with automatic lighting
- Support NFC, 13.56MHz and 125kHz access cards
- Ideal for environments with limited space

# UPGRADE YOUR WORKPLACE WITH SMART ACCESS CONTROL ON A BUDGET



Facial recognition



Mobile access



Temperature detection (optional)



▲ A05





# Akuvox A05S

## Facial Recognition Access Control Terminal

- 5" full-color display provides ultra-wide viewing angles
- Visible light facial recognition
- Anti-spoofing algorithm against photos and videos
- Support multiple verification methods, including the face, card, and QR code
- Support stand-alone operation
- Optional body temperature detection function
- Powered by PoE or external power supply





# X933

Luxury Smart Indoor Monitor  
Perfect for Your Home



Italian Industrial  
Design



AI-powered Voice  
Assistant

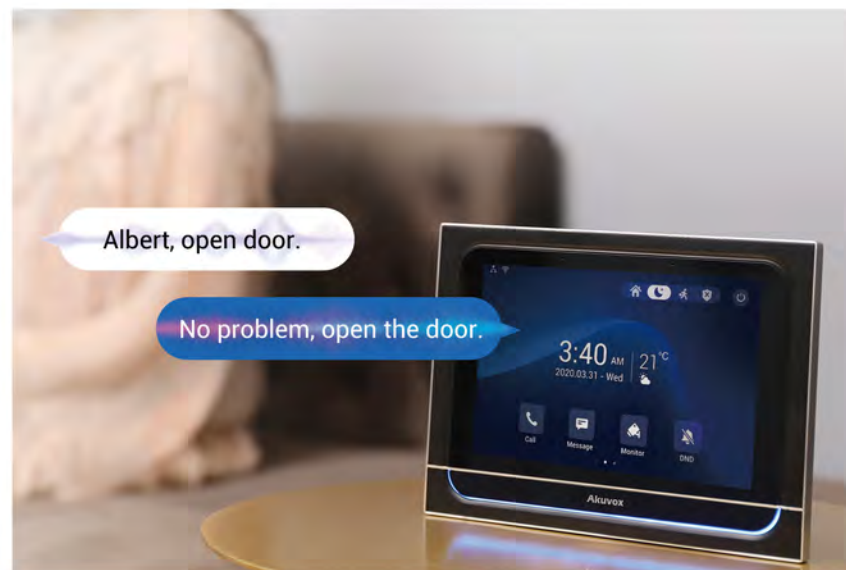


Smart Home  
Integration

## Akuvox X933

### Android Indoor Monitor for Smart Home Solution

- 7" touch screen with 1280 x 800 resolution
- Excellent performance with Android 9.0 OS
- Eight-channel inputs and two built-in relays
- Dual-microphone for noise reduction
- Support 3rd-party apps
- White color housing available
- In-wall mounting version available



# Smart Indoor Monitor Specially Designed for Older Individuals



AI-powered Voice Assistant



Work with Telecare Pendants



Built-in SIP Server



▲ C317



## Akuvox C317

### Android Indoor Monitor for Smart Home Solution



10" touch screen with 1280 x 800 resolution



Eight-channel inputs and two built-in relays



Support 3rd-party apps



Optional 1MP camera



Built-in offline voice assistant



SIP

Built-in SIP PBX function



Desk mount available





▲ C315

## Cost-effective but Smart Android Indoor Monitor



Excellent Audio and Video Quality



Smart Home Integration



Slim and Compact Design



## Akuvox C315

### Android Indoor Monitor for Smart Home Solution



7" touch screen with 1024 x 600 resolution



Eight-channel inputs and one built-in relay



Support 3rd-party apps



White color housing available



Optional RF 433/869 application





## Akuvox IT83

### Android Indoor Monitor for Smart Home Solution

- 10" touch screen with 1280 x 800 resolution
- Eight-channel inputs and two built-in relays
- Support 3rd-party apps
- Optional 1MP camera
- Built-in SIP PBX function
- Desk mount available



## Akuvox IT82



### Android Indoor Monitor for Smart Home Solution

- 7" touch screen with 1024 x 600 resolution
- Five programmable pushbuttons
- Eight-channel inputs and one built-in relay
- Support 3rd-party apps
- Optional 1MP camera
- Optional RF 433/869 application

**Disclaimer:** Amazon, Alexa and all related logos are trademarks of Amazon.com, Inc. or its affiliates.



## Akuvox C313







### Budget-friendly Indoor Monitor

- 7" touch screen with 800 x 480 resolution
- Eight-channel inputs and one built-in relay
- White color housing available
- Optional RF 433/869 application



# Akuvox R49G

## Android IP Video Phone

-  7" touch screen with 1024 x 600 resolution
-  Excellent performance with Android 9.0 OS
-  Premium audio and video quality
- DTMF** DTMF for remote door opening
-  2MP camera with privacy shutter
-  Built-in Bluetooth, USB, and Wi-Fi
-  Support 3rd-party apps





## Akuvox SmartPlus

Akuvox SmartPlus, a smart cloud-based intercom service for residential buildings, caters to the on-the-go lifestyles by offering residents smartphone-based building access and simplifies property access management for property owners and managers.



# SmartPlus App

The SmartPlus App allows residents to see and talk to visitors, open doors, monitor building entrances and issue virtual keys from their smartphones, which offers an elevated building entry experience.

## Preview

See who is at the entrance before answering the call



## Video Calling

See and talk to visitors with live video before buzzing them in remotely



## Door Unlocking

Open doors using the "Open Door" button of the app or Bluetooth or through a standard phone call



## Virtual Key



Issue time-limited QR code keys and guest PINs

## Push Notification



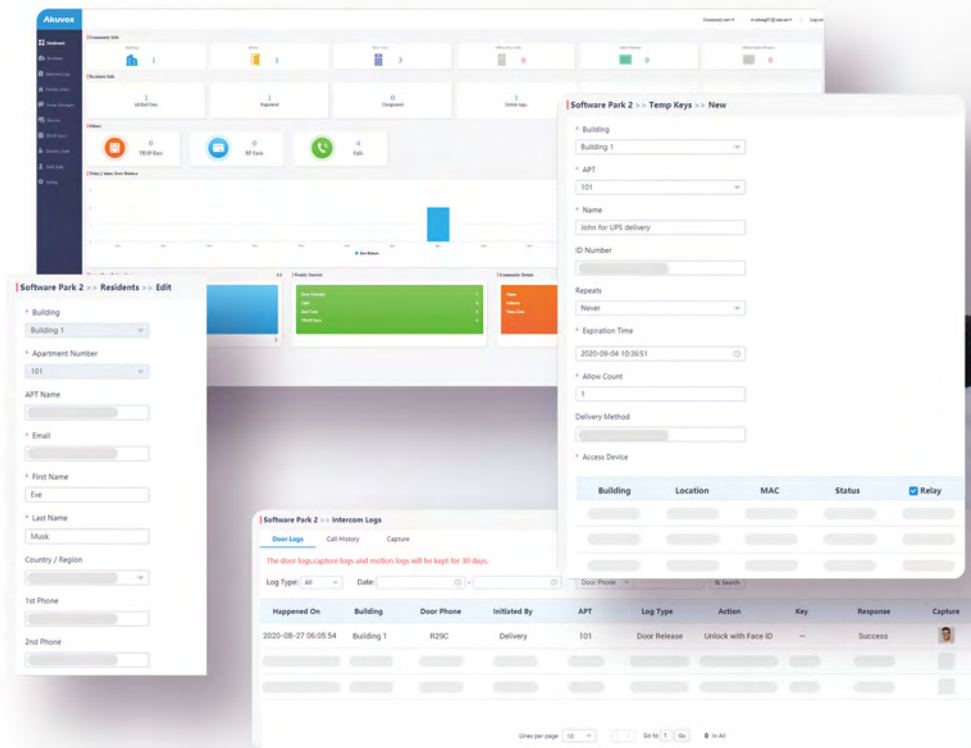
Get instant notifications of incoming calls

## Door Release Log



Access to date- and time-stamped photos of door release events





## Property Management Portal

The web-based property access management portal of Akuvox SmartPlus offers a bunch of remote-working features that greatly enhance building operation efficiency.

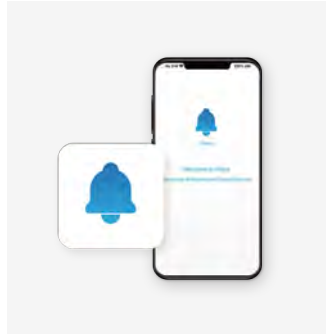
- Manage all properties of multiple sites from a single interface
- Access to time- and date- stamped photos of all door entries
- Assign time-limited PINs to delivery or service people
- Easy posting of community announcements
- Easy integration with existing building systems



## ACMS

### PC-based Access Control Management System for Small and Medium Businesses

- Staff information management
- Device management
- Access control management
- Access to detailed access logs



## Akuvox Vfone

### SIP Softphone App for Intercoms

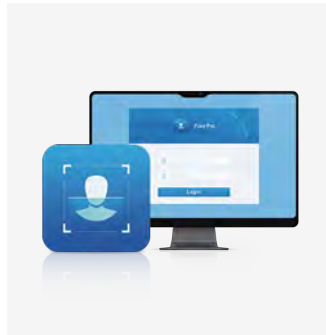
- Audio or video call
- Remote door unlocking
- Offline push notification
- Compatible with mainstream SIP servers



## Akuvox SDMC

### On-premise Software for Community-wide Intercom System Management

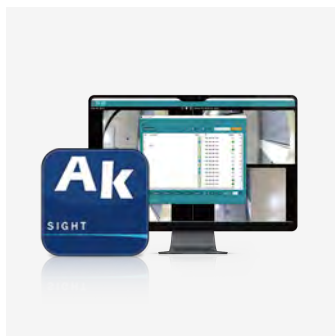
- Batch deployment of devices automatically
- Real-time video monitoring
- Access control management
- Messaging and ad pushing



## Akuvox FacePro

### PC-based Facial Data Management Software for Intercom Devices

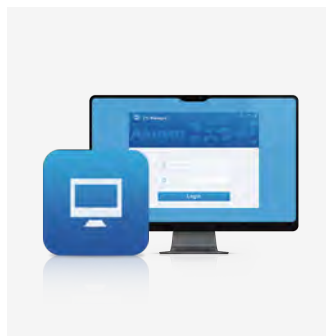
- Automatic search and connection of intercom devices
- Facial image import or facial data capture
- Addition, modification, and deletion of facial data stored on devices
- Facial data synchronization between devices and the software
- One-click facial data sharing between different devices



## Akuvox Sight

### PC-based Intercom Software for Akuvox Intercoms

- Multi-screen intercom video monitoring
- Remote door unlocking
- Audio or video call



## Akuvox PC Manager

### PC-based Management Software for Intercom Configuration

- Automatic search and connection of intercom devices
- Addition, modification, and deletion of intercom configuration
- Batch intercom configuration and software upgrading

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# Smart Intercom Solutions



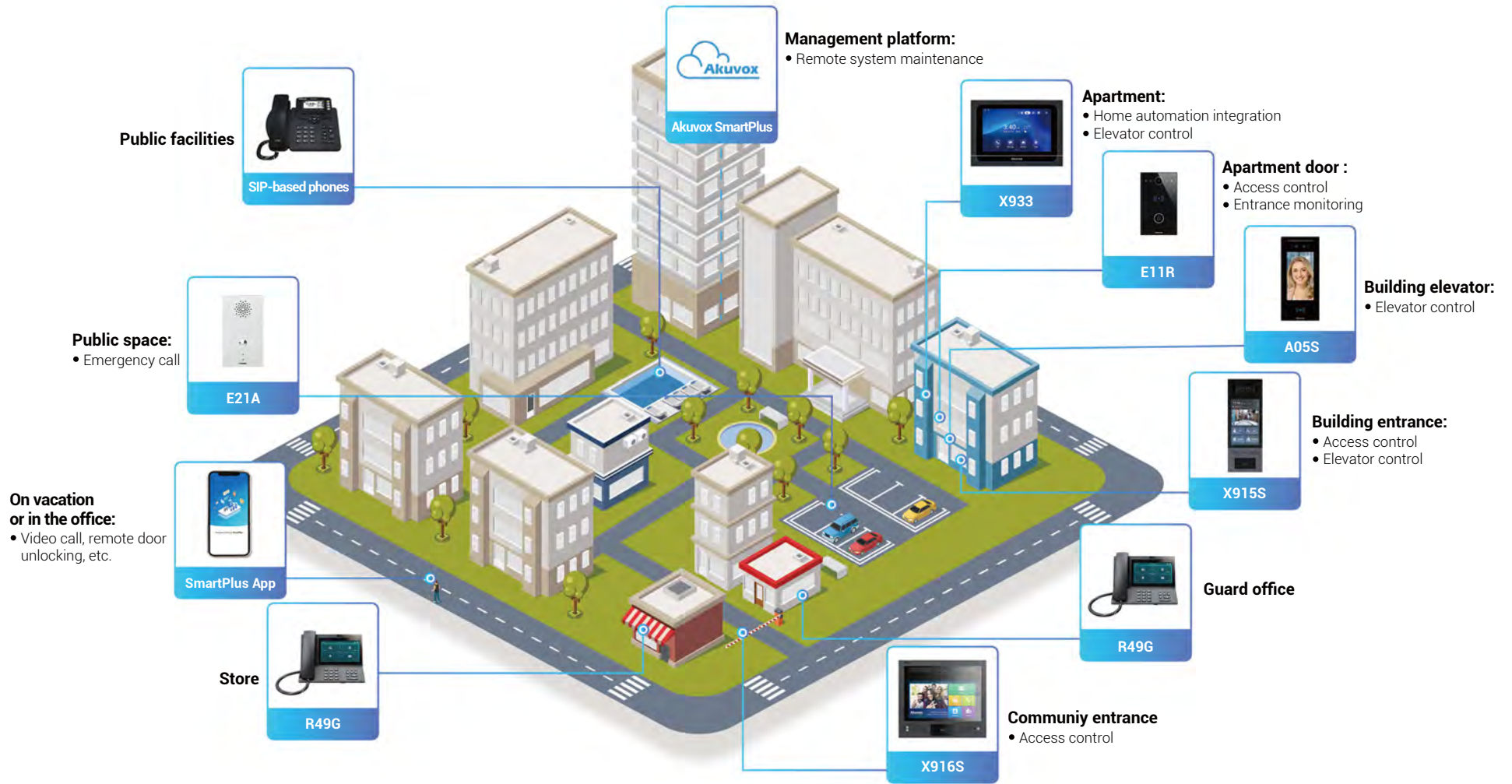
# Smart Intercom Solution for RESIDENTIAL

As the standard of living improves, there are higher security and convenience requirements for modern residential living. This has posed new challenges to the traditional intercom, which is monofunctional and antiquated or doesn't function.

## Highlights of Akuvox Smart Intercom Solution

- Build an extensive community-wide communication system
- Work with mobile phones and landlines
- Integrate home automation, video surveillance, and property management systems
- Summon elevator for the authorized visitors and send them to the designated floor
- App-based features, including video calls, remote door unlocking, alarm push notifications, and messages from the property management
- Remote system maintenance via a web browser

# Solution Overview





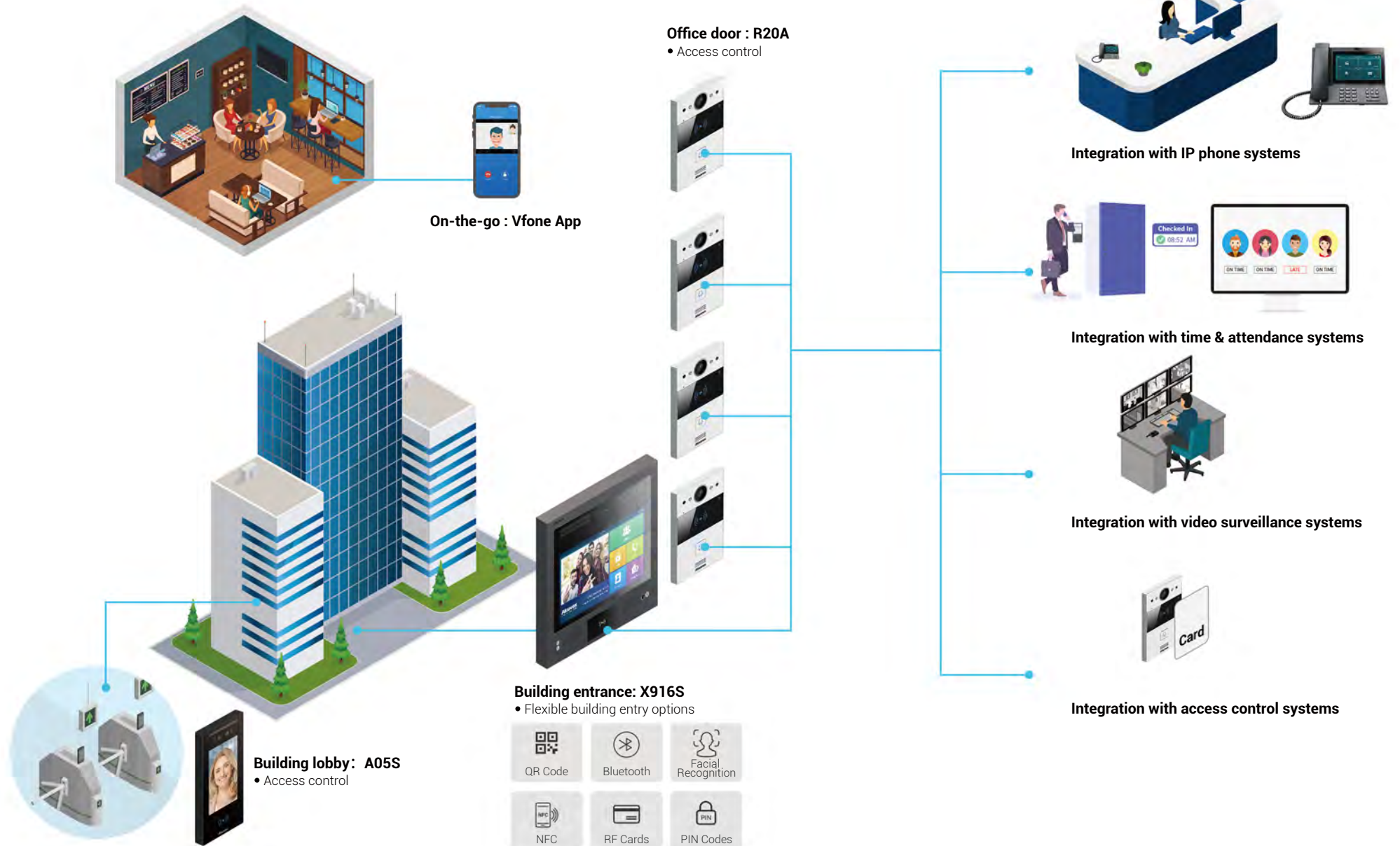
# Smart Intercom Solution for COMMERCIAL

Due to rapid changes in the global economy, enterprises need to overcome more business challenges such as improving competitiveness, reducing costs, and enhancing productivity. Intercom technology has come into play to help maximize the potential business growth by integrating people and technology.

## Highlights of Akuvox Smart Intercom Solution

- Flexible door entry options including facial recognition, NFC, RF cards, and PIN codes
- Integrate access control, existing phone systems, video surveillance, and time & attendance systems
- Mobile app for business communication on the go

# Solution Overview





# Smart Intercom Solution for ASSISTED CARE & HOSPITAL

As the world population ages, the healthcare system of every country faces significant challenges. Safety, trust, and security are the key contributing factors to older individuals' health and well-being, whether in their own homes or in a care home.

## Highlights of Akuvox Smart Intercom Solution

- Converge the latest technologies, including SIP, Android, and AI
- Easy-to-use system specially designed for older individuals
- 100% transmission of SOS signal to service centers with < 10 seconds SOS signal delay
- Telecare pendant for making emergency calls and remote door unlocking via RF
- Connect with various alarm sensors, such as door magnet and smoke detector, for greater home security
- Remote operation and maintenance of a large number of devices
- Easy to upgrade the system for new features

# Solution Overview

## Seek Help in an Emergency

Albert,  
help, help, help!



Use your voice to make an emergency call



Use a telecare pendant to make an emergency call



Automatic alerts raising when an alarm sensor is activated



Home: IT83

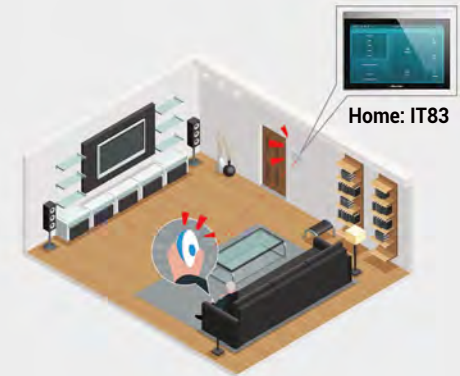


24-hour service center



Designated family members

## Convenience for Daily Life



Home: IT83

Use a telecare pendant to unlock doors for visitors remotely



Home: IT83

Remotely answer a door phone call via a Bluetooth speaker

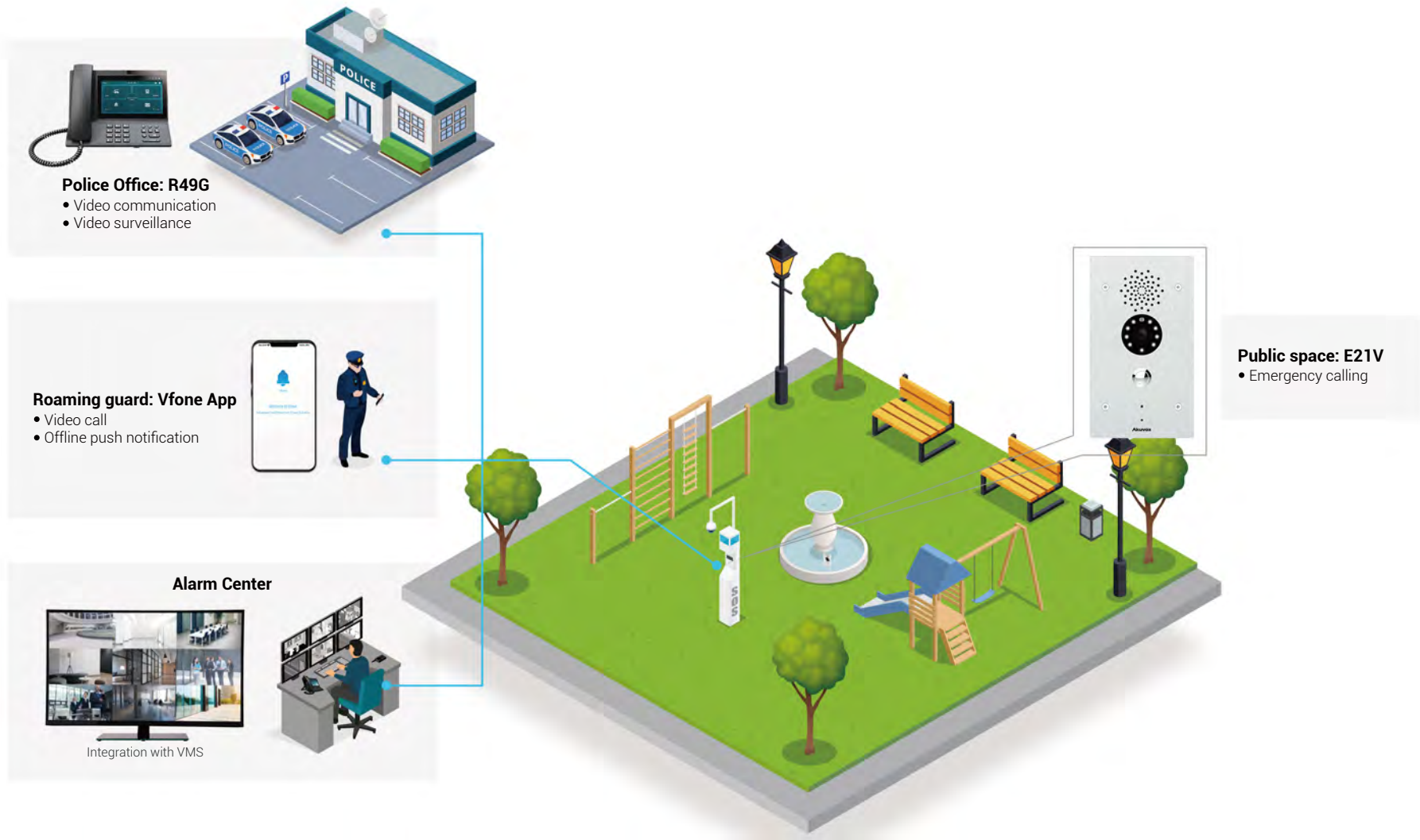
# Smart Intercom Solution for PUBLIC SPACE

With terrorism and violence on the rise, the issue of safety, security, and real-time information is gaining significance. To protect people, assets, and property in the public space, we urgently need advanced intercom technologies to respond to situations in progress and manage everyday operations, public events, and emergencies.

## Highlights of Akuvox Smart Intercom Solution

- Premium speech quality in any situation
- Vandal-resistant body with IK10 Rating
- Integrate with video surveillance systems
- Direct communication lines to alarm centers or security guards on patrol

# Solution Overview



| Model                  | X916S  | X915S  | R29C   | R29C-L   | R29C-B   | R28A   | R27A   | R20K   |
|------------------------|--|--|--|--|--|--|--|--|
| Image                  |   |   |   |   |   |   |   |   |
| On-Wall Mounting       |   |   |   |   |   |   |   |   |
| In-Wall Mounting       |   |   |   |   |   |   |   |   |
| Optional Rain Cover    |  |  |  |  |  |  |  |  |
| Optional Desktop Stand |  |  |  |  |  |  |  |  |

| Model                  | R20B   | R20A   | E16C  | E11R  | E21V   | E21A   | A05S  |  |
|------------------------|--|--|---|---|--|--|---|--|
| Image                  |   |   |  |  |   |   |  |  |
| On-Wall Mounting       |   |   |  |  |  |  |  |  |
| In-Wall Mounting       |   |   |   |   |   |   |   |  |
| Optional Rain Cover    |  |  |   |   |  |  |   |  |
| Optional Desktop Stand |  |  |   |   |  |  |   |  |



| Model                  | X933  | IT83  | C317  | IT82  | C315  | C313  | R49G  |  |
|------------------------|---|---|---|---|---|---|---|--|
| Image                  |  |    |    |  |  |  |  |  |
| On-Wall Mounting       |  |    |    |  |  |  |   |  |
| In-Wall Mounting       |   |   |   |   |   |   |   |  |
| Optional Rain Cover    |   |   |   |   |   |   |   |  |
| Optional Desktop Stand |   |  |  |   |   |   |   |  |

| Model                 | X916S   | X915S   | R29C  | R29C-L  | R29C-B  | R28A  | R27A  | R20K  |
|-----------------------|---|---|---|---|---|---|---|---|
| Image                 |  |  |  |  |  |  |  |  |
| Display               | 13"   | 8"  | 7"  | 7"  | 7"  | 4.3"  | 128 x 32 dots   | No  |
| Touch Screen          | Yes   | Yes   | Yes   | Yes   | Yes   | No  | No  | No  |
| Front Panel           | Stainless steel   | Stainless steel   | Aluminum  | Aluminum  | Aluminum  | Aluminum  | Aluminum  | Aluminum alloy  |
| PoE                   | Yes   | Yes   | Yes   | Yes   | Yes   | Yes   | Yes   | Yes   |
| SIP                   | Yes   | Yes   | Yes   | Yes   | Yes   | Yes   | Yes   | Yes   |
| Operating System      | Android   | Android   | Android   | Android   | Android   | Linux   | Linux   | Linux   |
| Camera                | Yes   | Yes   | Yes   | Yes   | Yes   | Yes   | Yes   | Yes   |
| ONVIF                 | Yes   | Yes   | Yes   | Yes   | Yes   | Yes   | Yes   | Yes   |
| Wi-Fi                 | No  | No  | No  | No  | No  | No  | No  | No  |
| PIN / Card Entry      | Yes   | Yes   | Yes   | Yes   | Yes   | Yes   | Yes   | Yes   |
| Biometric Access      | Yes   | Yes   | Yes   | Yes   | Yes   | No  | No  | No  |
| Wiegand               | Yes   | Yes   | Yes   | Yes   | Yes   | Yes   | Yes   | Yes   |
| Temperature Detection | No  | No  | No  | No  | Yes   | No  | No  | No  |
| LTE                   | No  | No  | No  | Yes   | No  | No  | No  | No  |
| IP Rating             | IP65  | IP65  | IP65  | IP65  | IP65  | IP65  | IP65  | IP65  |
| 3rd-party Apps        | Yes   | Yes   | Yes   | Yes   | Yes   | No  | No  | No  |

| Model                 | R20B  | R20A  | E16C  | E11R  | E21V  | E21A  | A05S  |  |
|-----------------------|---|---|---|---|---|---|---|--|
| Image                 |  |  |  |  |  |  |  |  |
| Display               | No  | No  | 5"  | No  | No  | No  | 5"  |  |
| Touch Screen          | No  | No  | Yes   | No  | No  | No  | No  |  |
| Front Panel           | Aluminum alloy  | Aluminum alloy  | Plastics  | Plastics  | Stainless steel   | Stainless steel   | Plastics  |  |
| PoE                   | Yes   | Yes   | Yes   | Yes   | Yes   | Yes   | Yes   |  |
| SIP                   | Yes   | Yes   | Yes   | Yes   | Yes   | Yes   | Yes   |  |
| Operating System      | Linux   | Linux   | Linux   | Linux   | Linux   | Linux   | Linux   |  |
| Camera                | Yes   | Yes   | Yes   | Yes   | Yes   | No  | Yes   |  |
| ONVIF                 | Yes   | Yes   | Yes   | Yes   | Yes   | No  | Yes   |  |
| Wi-Fi                 | No  | No  | No  | No  | No  | No  | No  |  |
| PIN / Card Entry      | Yes   | Yes   | Yes   | Yes   | No  | No  | Yes   |  |
| Biometric Access      | No  | No  | Yes   | No  | No  | No  | Yes   |  |
| Wiegand               | Yes   | Yes   | Yes   | Yes   | No  | No  | Yes   |  |
| Temperature Detection | No  | No  | Optional  | No  | No  | No  | Optional  |  |
| LTE                   | No  | No  | No  | No  | No  | No  | No  |  |
| IP Rating             | IP65  | IP65  | IP65  | -   | IP65  | IP65  | IP65  |  |
| 3rd-party Apps        | No  | No  | No  | No  | No  | No  | No  |  |

| Model                 | X933  | IT83  | C317   | IT82  | C315  | C313  | R49G  |  |
|-----------------------|---|---|--|---|---|---|---|--|
| Image                 |  |  |  |  |  |  |  |  |
| Display               | 7"  | 10"   | 10"  | 7"  | 7"  | 7"  | 7"  |  |
| Touch Screen          | Yes   | Yes   | Yes  | Yes   | Yes   | Yes   | Yes   |  |
| Front Panel           | Plastics  | Aluminum  | Plastics   | Aluminum  | Plastics  | Plastics  | Plastics  |  |
| PoE                   | Yes   | Yes   | Yes  | Yes   | Yes   | Yes   | Yes   |  |
| SIP                   | Yes   | Yes   | Yes  | Yes   | Yes   | Yes   | Yes   |  |
| Operating System      | Android   | Android   | Android  | Android   | Android   | Linux   | Android   |  |
| Camera                | No  | Optional  | Optional   | Optional  | No  | No  | Yes   |  |
| ONVIF                 | -   | -   | -  | -   | -   | -   | -   |  |
| Wi-Fi                 | Optional  | Optional  | Optional   | Optional  | Optional  | Optional  | Yes   |  |
| PIN / Card Entry      | -   | -   | -  | -   | -   | -   | -   |  |
| Biometric Access      | -   | -   | -  | -   | -   | -   | -   |  |
| Wiegand               | -   | -   | -  | -   | -   | -   | -   |  |
| Temperature Detection | -   | -   | -  | -   | -   | -   | -   |  |
| LTE                   | -   | -   | -  | -   | -   | -   | -   |  |
| IP Rating             | For indoor  | For indoor  | For indoor   | For indoor  | For indoor  | For indoor  | For indoor  |  |
| 3rd-party Apps        | Yes   | Yes   | Yes  | Yes   | Yes   | No  | Yes   |  |

# Akuvox

Open A Smart World



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