

AIPHONE

IXG SYSTEM

IP Video Door Entry System



Seamless Integration with IX System

Providing Remarkable Solutions with Enhancing Security, Lifestyle Convenience, and Administrative Efficiency

Elevate Security

The IXG System enhances security with an access control feature, balancing the exclusion of suspicious visitors with the smooth entry of tenants. The system achieves this through clear video identification, strict checks by guards, and secure and seamless unlocking via QR code authentication.



Flexible Communication

Facilitate flexible communication within families, among relatives or friends living in different flats, and between residents and guards. The integration of smartphones with the IXG System allows instant contact even when outside the tenant building, enhancing the convenience of daily living.



IP-based Video Door Entry System IXG System

Delivering a solution that dramatically enhances security, living convenience, and management efficiency, the IXG System caters to the needs of visitors, tenants, and property managers alike. Providing comfortable and secure communication, this system not only enriches the living experience but also elevates the asset value of your property. The IXG System offers a user-friendly smartphone application, management tools, and seamless integration with the IX system and third-party IP systems, accommodating large-scale facilities and fulfilling the diverse needs of residential complexes, commercial spaces, and offices.

Property Management

The IXG System streamlines property management with tools like tenant notifications, the Intercom App for multiple properties, and monitoring software to oversee system error. This supports property managers in efficiently handling tenant building management.

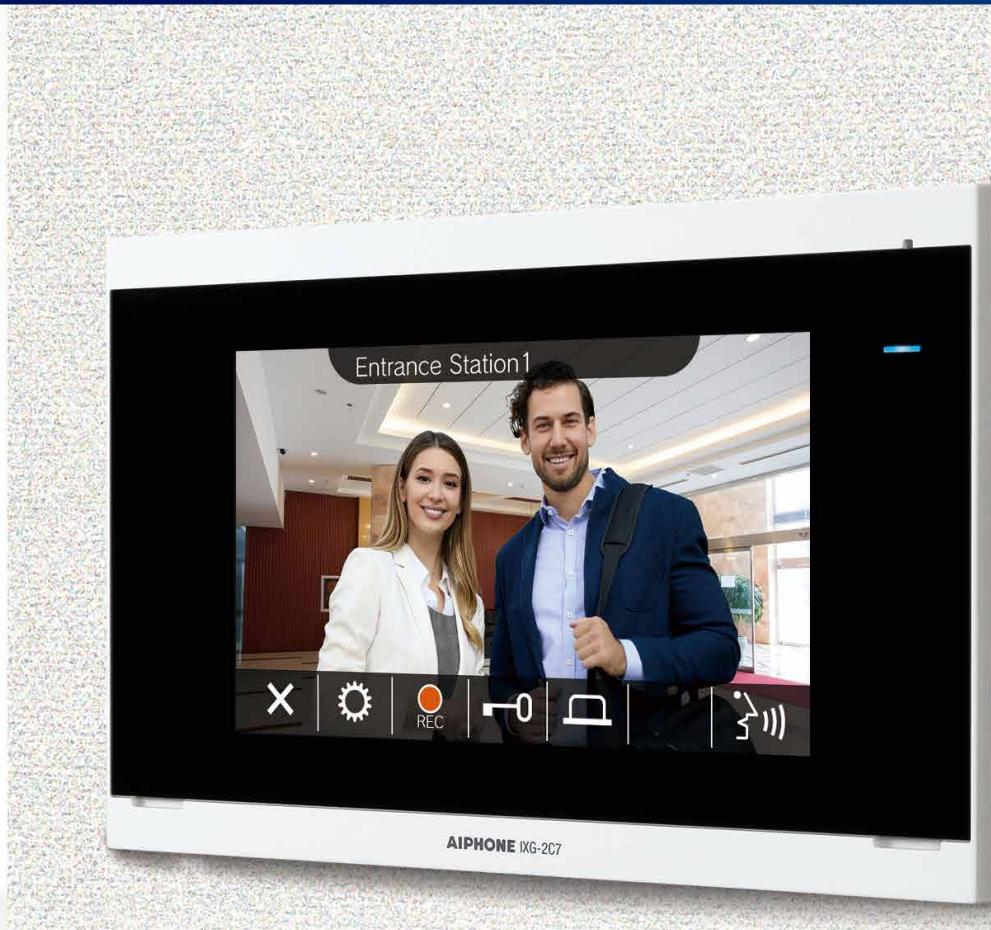
Seamless Integration

Configure the system to your needs through seamless integration with the IX system, IP camera, IP-PBX, and various other third-party IP systems. This adaptability makes it ideal for use in complex buildings meeting the unique demands of an environment.



Tenant

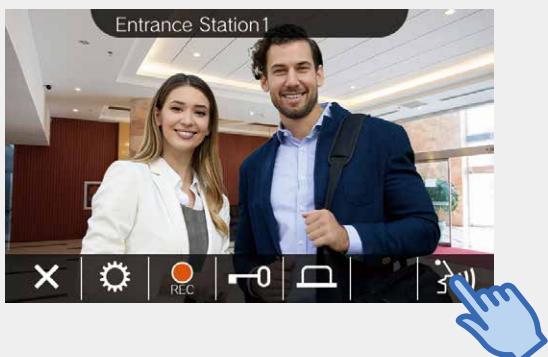
- 7 inch touchscreen LCD
- Slim design blends seamlessly with the interior



Video Tenant Station
IXG-2C7

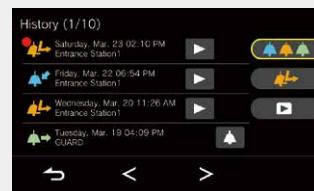
Verifying Visitors

The large and clear image allows you to verify the visitors' faces and appearances firmly, and unlock the door without any concern.



Recording

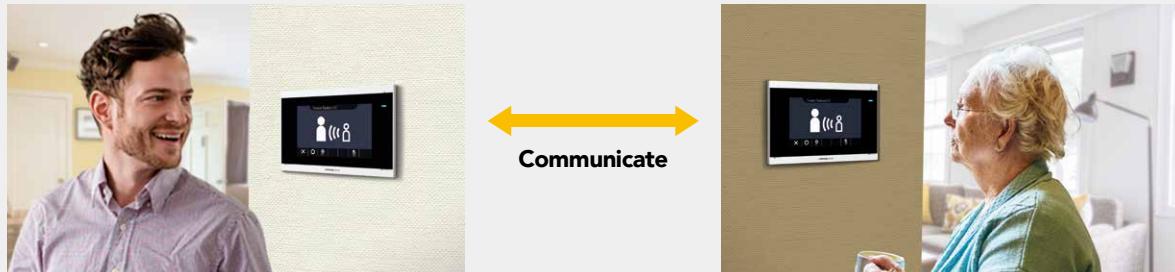
Automatically record video and audio of every visitor, enabling you to review visitors from the history during absence.



- Record approximately 10 seconds per call on a microSDHC card.

Flat-to-Flat Call

Enable to call other flats registered in the unit. Easily communicate with family members or friends residing in the same building.

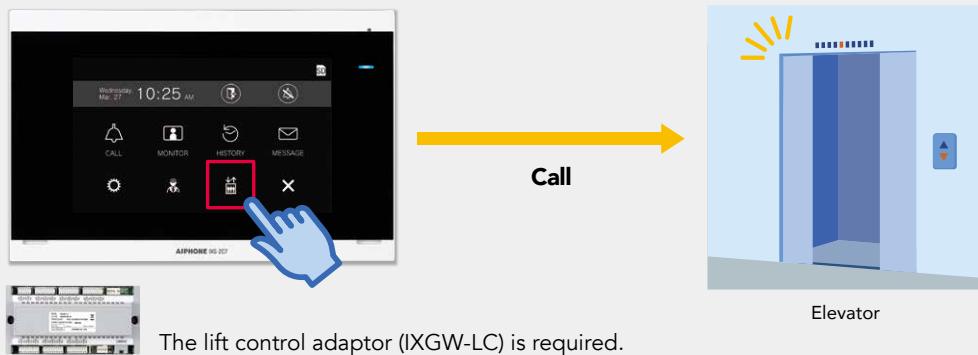


Flat 201

Flat 101

Calling the Elevator

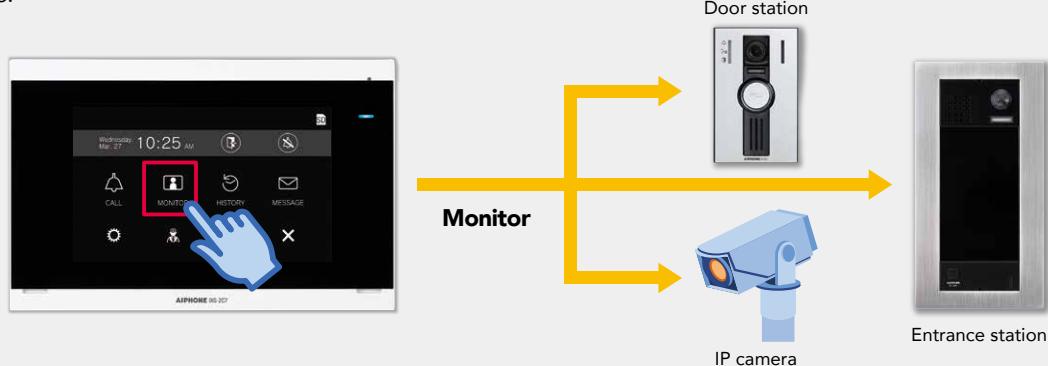
Effortlessly call an elevator from your room by touching "Elevator" button. Enjoy the convenience of immediate access, even in a hurry.



The lift control adaptor (IXGW-LC) is required.

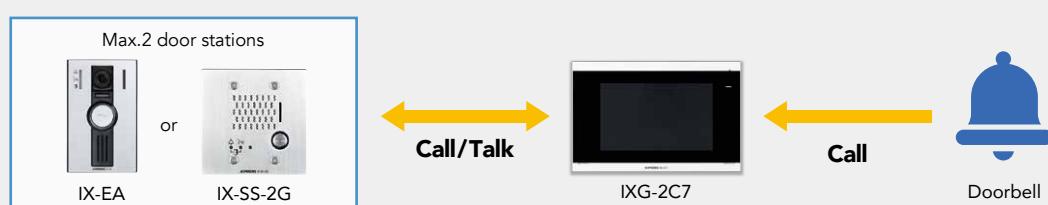
Security Monitoring

You have the ability to monitor images from the entrance, door, or surveillance cameras in common areas directly from your room whenever you desire.



Video/Audio station for tenant station

You can connect IX door station or doorbell to each tenant station.



Intercom App

Tenant /
Property Manager Office



Answering calls anywhere inside or outside your home

Calls from the entrance station or the video tenant station can be answered using your smartphone. Wherever you are, you can communicate with visitors while checking their images and unlock the door lock. When you want to check the entrance area, you can also monitor the video on your smartphone.



Call
← Communicate



Smartphone

Calling and communicating from Intercom App

With your smartphone, communication with intercom stations in your flat, other flats, and the property manager office is available. Even if you are unable to respond a call or if it gets disconnected in the middle of a communication, you can call back the caller precisely from the call history.



Call
&
Communicate



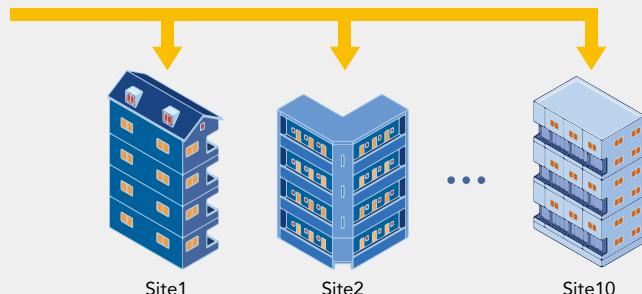
- Calls to a specific smartphone can only be made from the call history.

Guard Mode

The "Guard Mode" for owners or property managers is available. Manage up to 10 properties with a single smartphone, allowing you to call the tenants or respond to inquiries. Additionally, to support tenants, display a QR code to register smartphone with a designated flat and also follow up on the registration to tenant's smartphone.

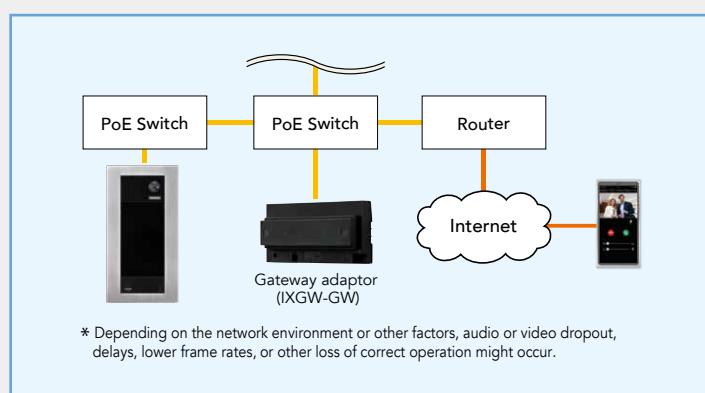


- Call tenant or another property manager office
- Respond a call
- Monitoring



Using Intercom App

Up to 8 smartphones can be registered for each tenant and for each guard unit. To use the Intercom App, a gateway adaptor (IXGW-GW) and an internet connection are required.



* Android is trademark of Google LLC.

* iOS is the OS name of Apple Inc. iOS is a trademark or registered trademark of Cisco Systems, Inc. in the U.S. and other countries and is used under license.

Entrance

- Approx. 170° wide angle camera
- LED illumination for night vision
- 7 inch touchscreen LCD
- Audio and video recording in a microSDHC card



Video Entrance Station
IXG-DM7

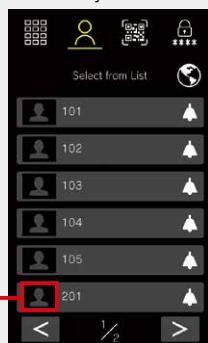
Selectable calling methods

You can select the most suitable option from four calling methods. The display and audio guidance support 12 languages, effectively providing instructions for operation and notifying the system status to visitors.

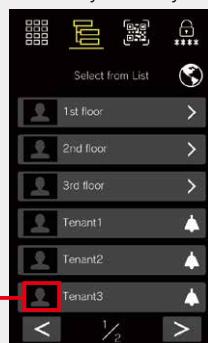
Call by Unit Number Screen



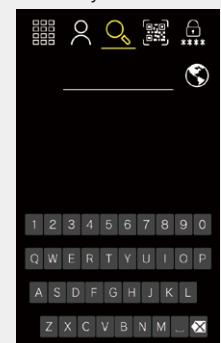
Search by List Screen



Call by Directory



Search by Name Screen



Thumbnail image can be displayed.

- Either the Search by List Screen or Call by Directory is available depending on the setting.
- Supported languages: English, French, Dutch, Spanish, German, Italian, Norwegian, Finnish, Turkish, Traditional Chinese, Simplified Chinese, Japanese

Unlocking the door with a QR code

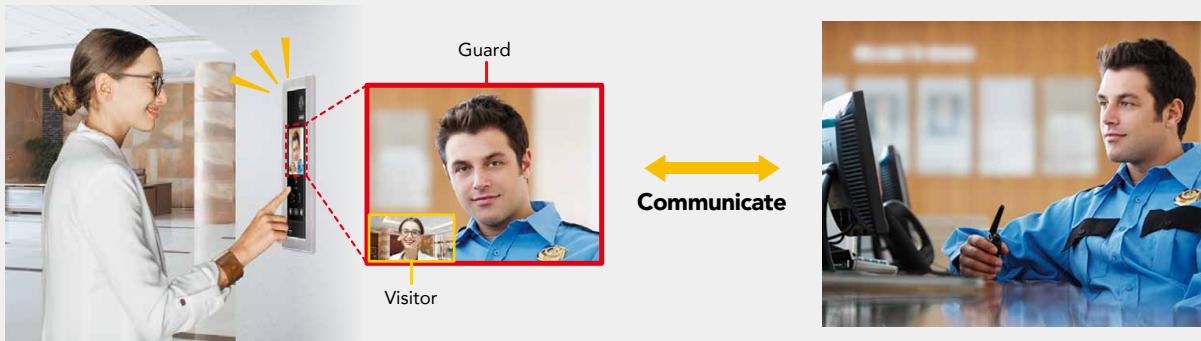
Available to unlock the entrance door by authenticating the QR code. The QR code for release the door is generated through the Intercom App and shared with visitors. It can be generated with specified parameters such as number of uses, duration, time slots, entrance area etc. to prevent unauthorized access. Additionally, a PIN code can be used for unlocking the entrance.



* QR code is a registered trademark or registered trademarks of Denso Wave Incorporated.

Communicate with guard looking at face

When calling the property manager office, the face of guard is displayed on the screen, allowing communication while looking at each other. This feature is suitable for supporting visitors with hearing impairments, offering assistance through sign language or written communication. With the Picture-in-Picture function, visitors can also check how they are taken with the camera.



Calling IP phone

By integrating with an IP-PBX, you can call and communicate with IP phones directly from the entrance. Unlocking the entrance is also possible from the IP phone.



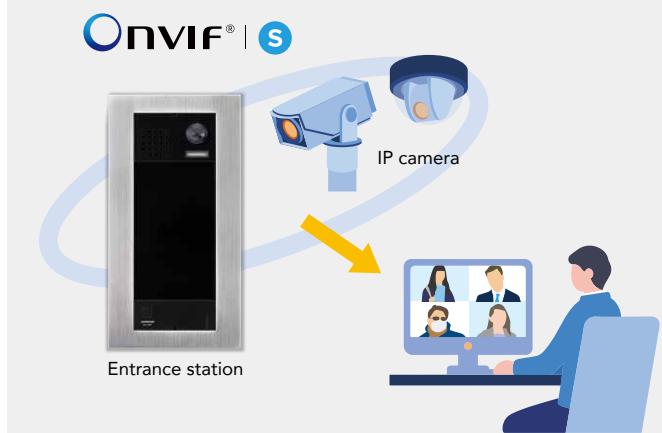
* The guard station can also call IP phones.

* Integration is available for CISCO system (CUCM), Avaya system (Office, Aura), Digium system (Switchvox) and Alcatel-Lucent system (OXO, OXE). For further details, please contact your dealer.

* Some countries have local restrictions on connecting to a PBX. Please refer to our website (<https://www.aiphone.net/>) to check the countries where PBX connection is allowed.

Integration with NVR/VMS

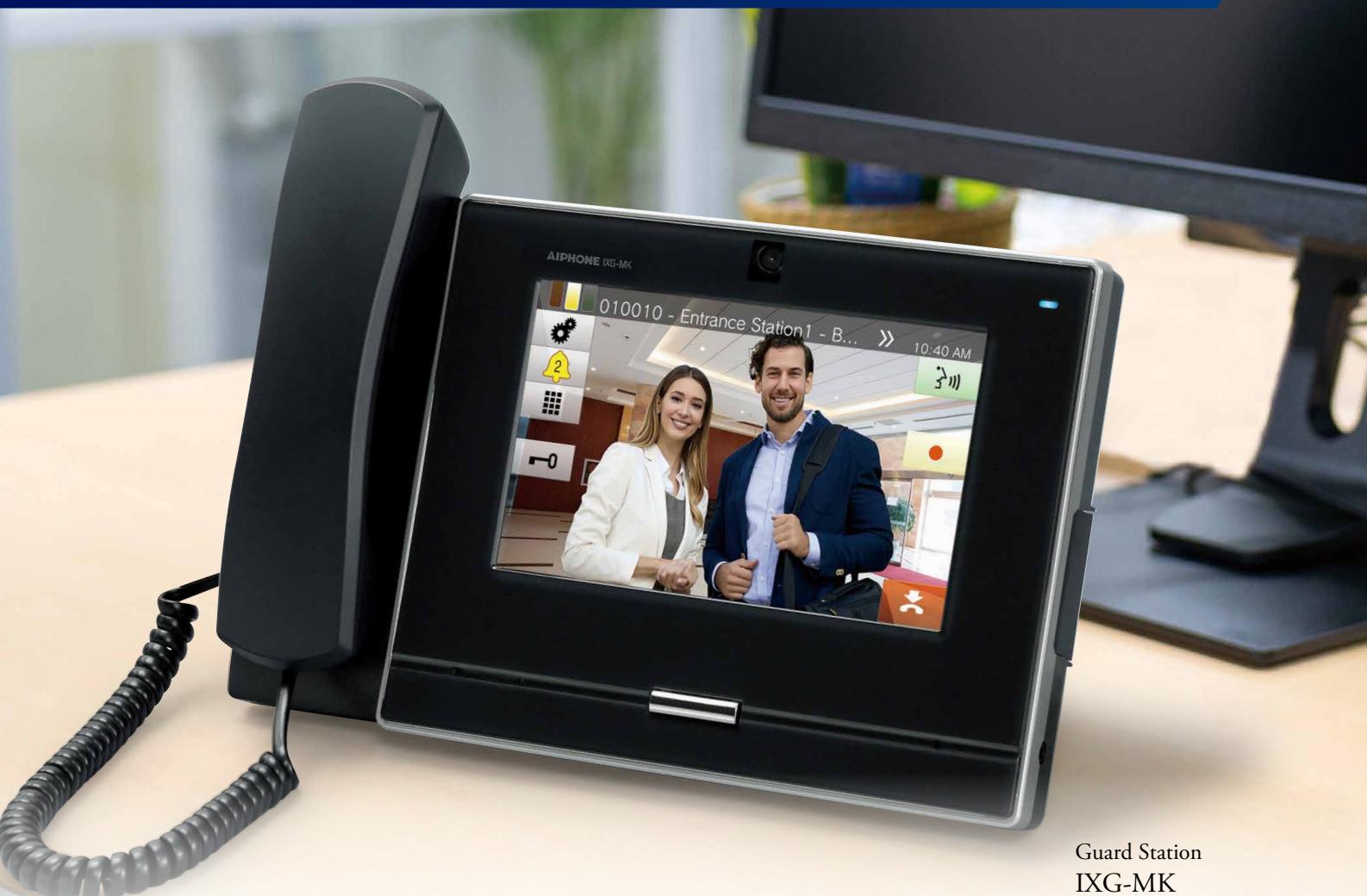
IXG-DM7 is compatible with ONVIF Profile S, enabling efficient video surveillance and recording in NVR/VMS, just like IP cameras. This facilities effective monitoring of visitor's face and entrance areas, contributing to enhanced security.



* ONVIF and the ONVIF logo are trademarks or registered trademarks of ONVIF, Inc.

Property Manager Office

- 7 inch touchscreen LCD
- Compatible with both desktop and wall-mount installation



Guard Station
IXG-MK

Reception mode

For enhanced security, a call from a visitor to tenant can be automatically transferred and initially handled by the guard. The guard confirms the purpose of the visit, and the call is only forwarded if the tenant's consent is obtained. The tenant can then communicate with the visitor.



Entrance

①Automatically transferred to the guard and handled initially.

③The tenant communicates with the visitor.



Property manager office

Transfer

When guards are absent or unable to respond promptly, calls are automatically transferred to another guard station, enabling seamless handling without keeping the visitor waiting. It is also possible to put the call on hold and transfer during communication.



Message

From the IXG Support Tool, the guard can send messages to tenant stations or smartphones. This eliminates the work of manually posting information such as regular equipment inspections or event notifications, allowing residents to quickly access the information. You can also select specific buildings or tenants for sending messages and even attach images.



Paging

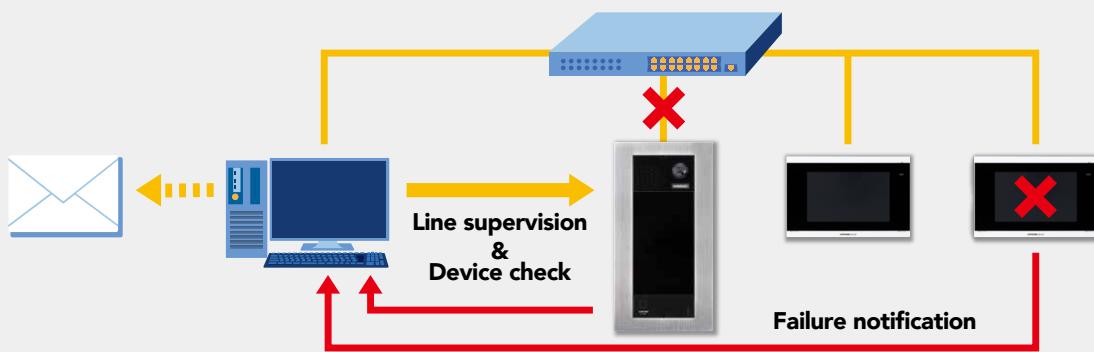
Select all stations or buildings to page audio or prerecorded messages.

Audio and video recording

Automatically or manually record video and audio of visitors, saving them to a microSDHC/SDXC card.

Automatic system status supervision

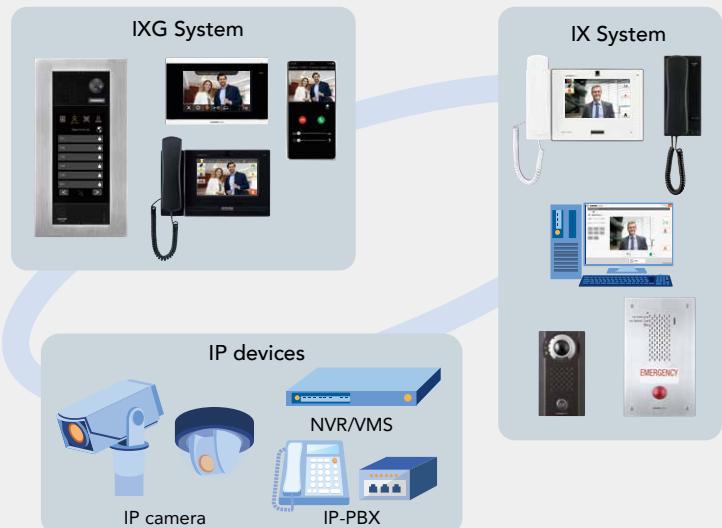
Using the IXG Supervision Tool installed on a PC, you can quickly and accurately detect line or station failures, enhancing the system's reliability. It is also possible to receive email notifications in case of failures.



Other Features

Seamless integration with IX System and other IP devices

Realizing seamless integration with all devices within the IX System, including IX-SOFT, as well as other third-party IP devices such as IP camera and NVR/VMS, the IXG system offers a one-stop solution for various scenarios in different buildings, ranging from residential complexes to office buildings and commercial facilities. It provides comprehensive support for functions such as visitor management, voice communication, emergency calls, 24/7 recording in the facilities, and more. Additionally, with the upgraded IXG support tool, nearly all configurations of IX devices can be managed. The integration is achieved not only in functionality but also in the settings interface.

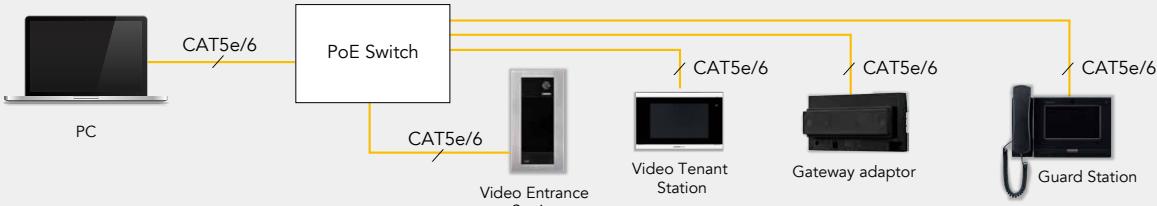


System programming

Programming can be achieved using a PC running the IXG Support Tool. You can download IXG Support Tool from the APHONE website. Ensure the operating environment of your computer meets the following conditions.

OS	Windows 7, Windows 8, Windows 8.1, Windows 10, Windows 11
CPU	32 bit (x86) processor or 64 bit (x64) processor of 1GHz or higher
Memory	4GB RAM or higher
Screen resolution	1280x768 or greater

Image of setting system

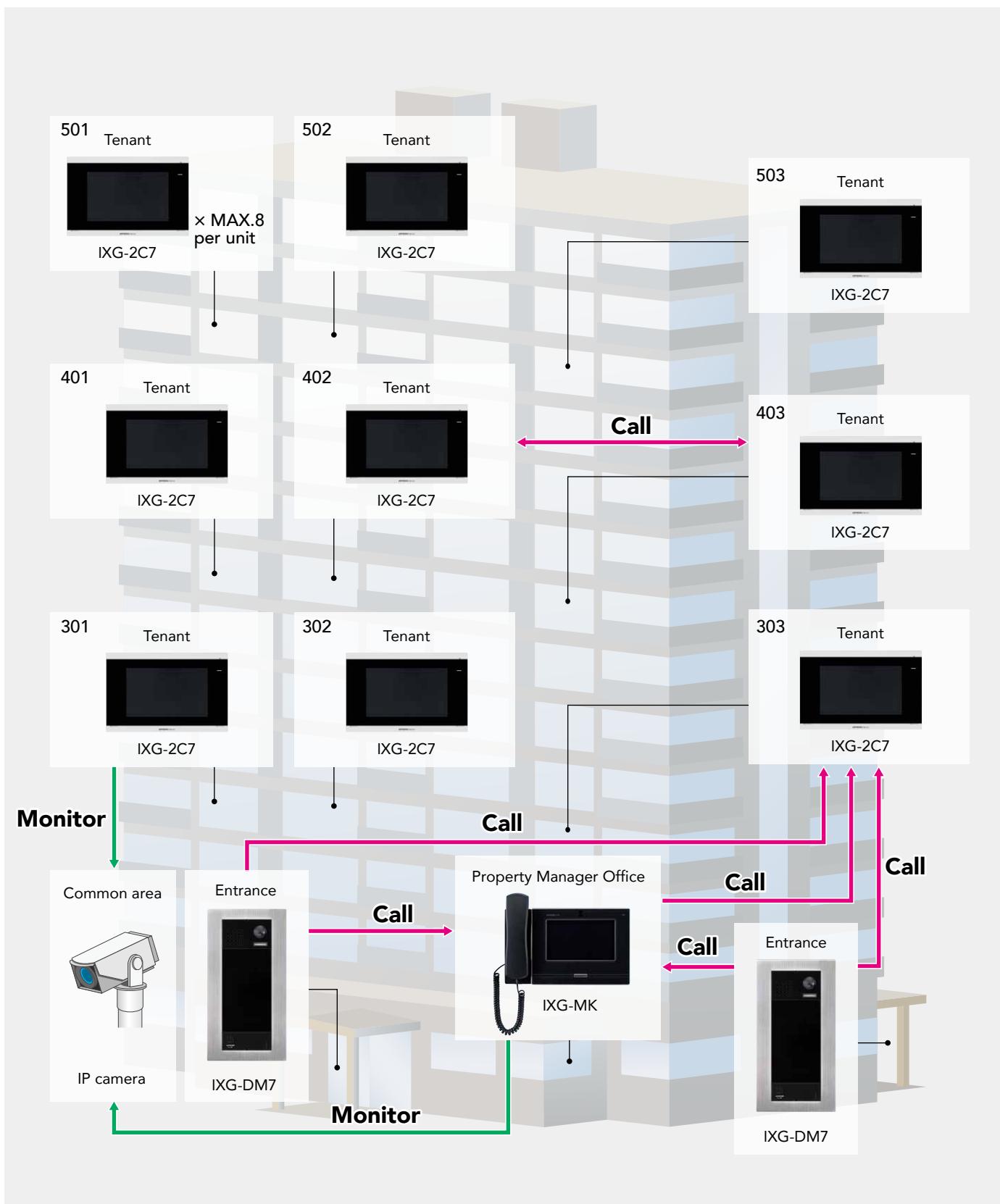


NETWORK RESTRICTION

- We do not recommend using a wireless communication such as wireless LAN as it may not operate correctly due to security issues or communication speed delays.
- For IPv4 Address with DHCP, due to the architecture of the IXG system, DHCP configuration is only recommended for network environments utilizing managed (static) IP address leasing. The DUID of the device: 00030001 + MAC address
- For stateless IPv6 Address, do not change the prefix of the device so that it cannot transmit Router Advertisement (RA).
- For IPv6 Address with DHCP, due to the architecture of the IXG system, DHCP configuration is only recommended for network environments utilizing managed (static) IP address leasing. The DUID of the device: 00030001 + MAC address
- Depending on the network environment and computer, prior arrangements and setup operations involving the network administrator might be necessary.
- Depending on the network environment, operation delays might occur.
- Depending on the network environment or other factors, audio or video dropout, delays, lower frame rates, or other loss of correct operation might occur.
- The protocols used by this system must be supported.
- The network bandwidth required by each device when communicating are as follows. G.711: 64kbps x 2 (in communication), 64kbps x stations (on page) H.264: 32kbps - up to 2048kbps
- IPv4 and IPv6 cannot be mixed in the same system.
- When using multicasting for video, or audio, use in an environment that does not reject IGMPv3 or MLtv2.
- If the Internet connection's uplink speed is slow, video may not be displayed properly. (An uplink speed of 16 Mbps or more is recommended.)
- Intercom app may become unavailable for a certain period of time due to maintenance on the cloud server.
- If the cloud server terminates the service, you will not be able to use the intercom app.
- The intercom app will be unavailable while the Gateway Adaptor firmware is being updated.
- Due to the features and services provided by the Gateway Adaptor and the APHONE IXG app, future required changes to device functionality, network communication, security, etc. may require firmware updates unavailable to the Gateway Adaptor.
- In this situation, the Gateway Adaptor would need to be replaced at the cost of the responsible party.

Installation Example

Residential building

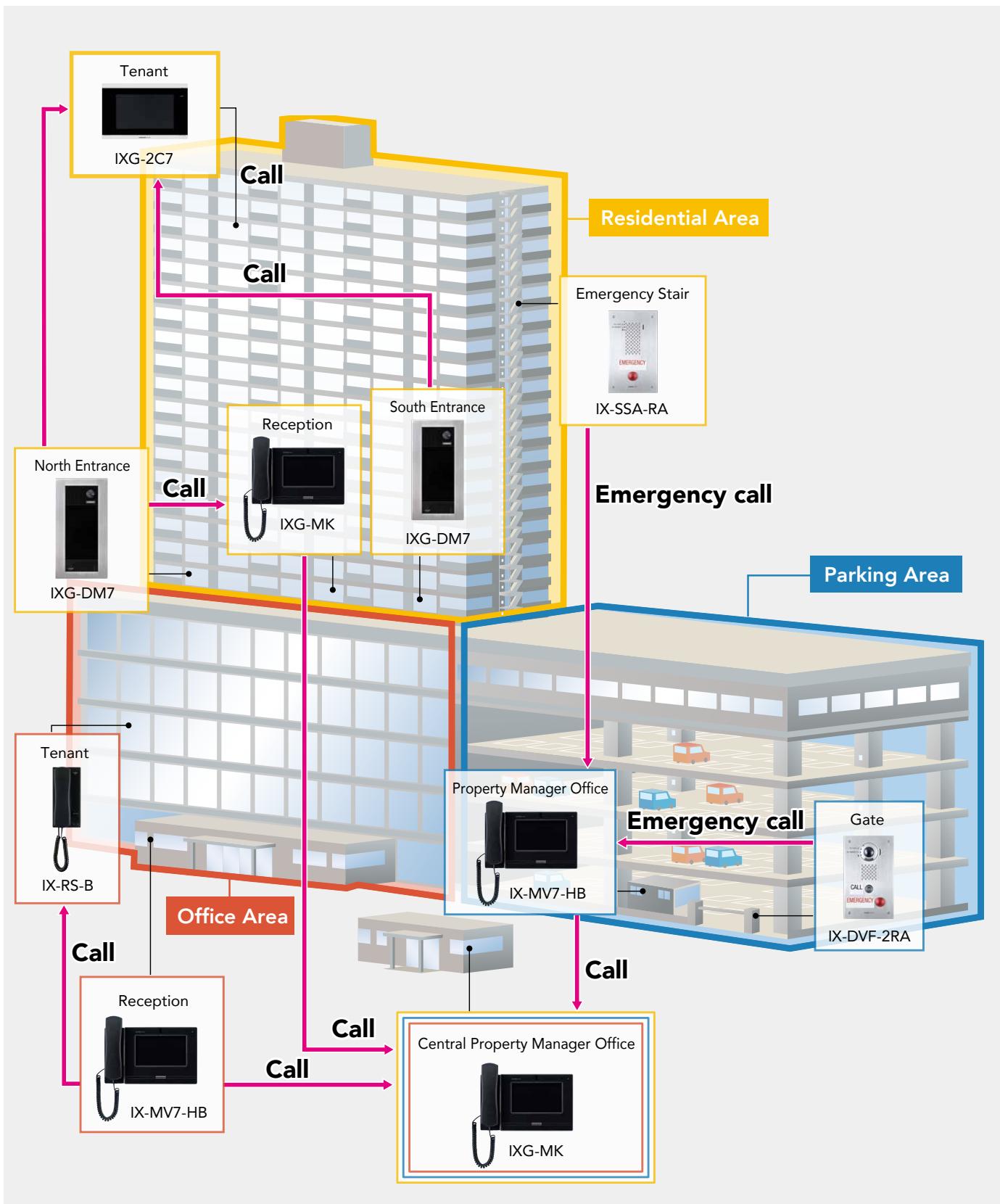


All tenant stations can be called from any entrance station or guard station.

Video and audio from the IP camera can be monitored from the tenant station or guard station.

Installation Example

Complex building development



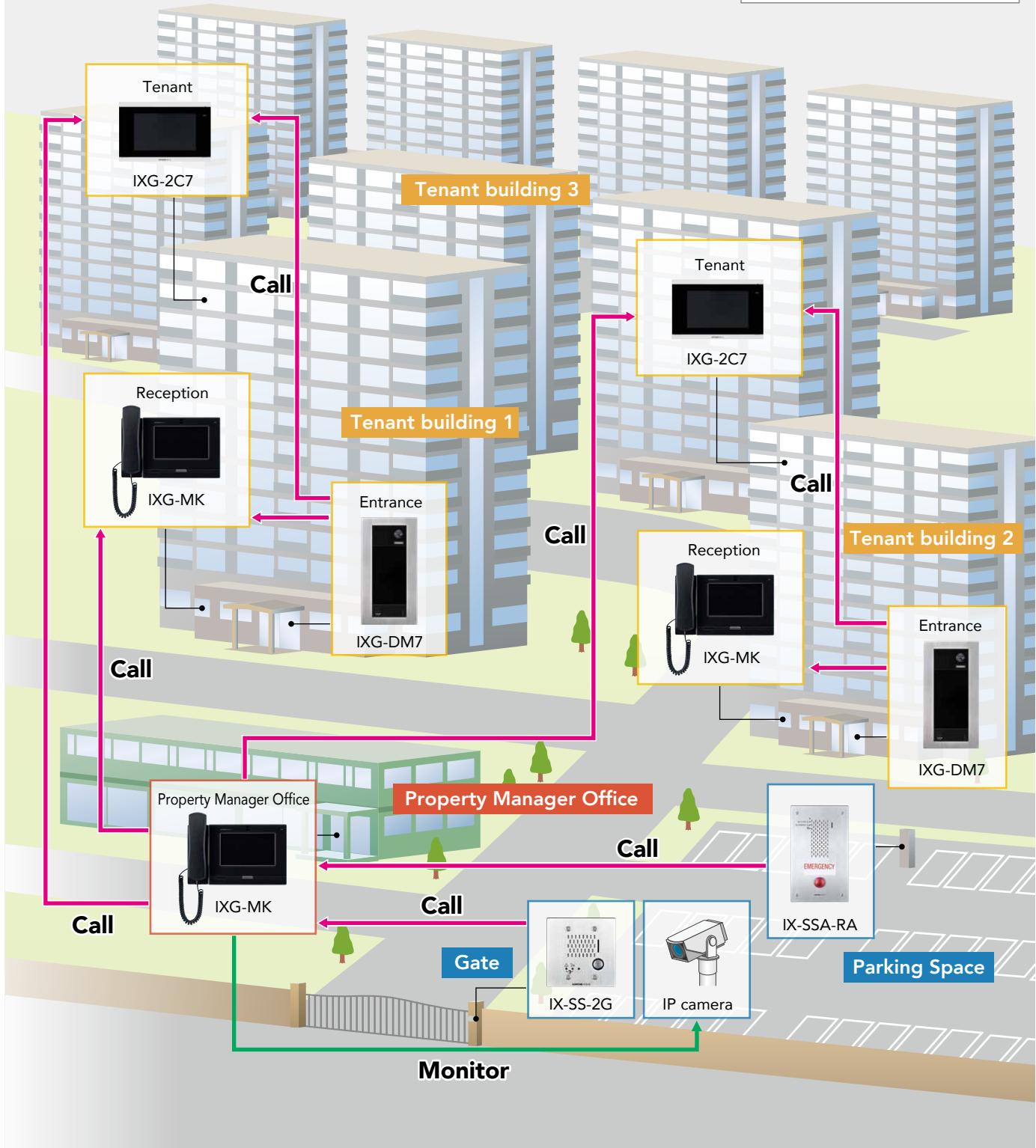
Residential area, office area and commercial area of complex building development can be configured with one system. The central property manager office can communicate with all areas.

Multi building development

Tenant buildings

Max.99 buildings

(Including Property Manager Office)

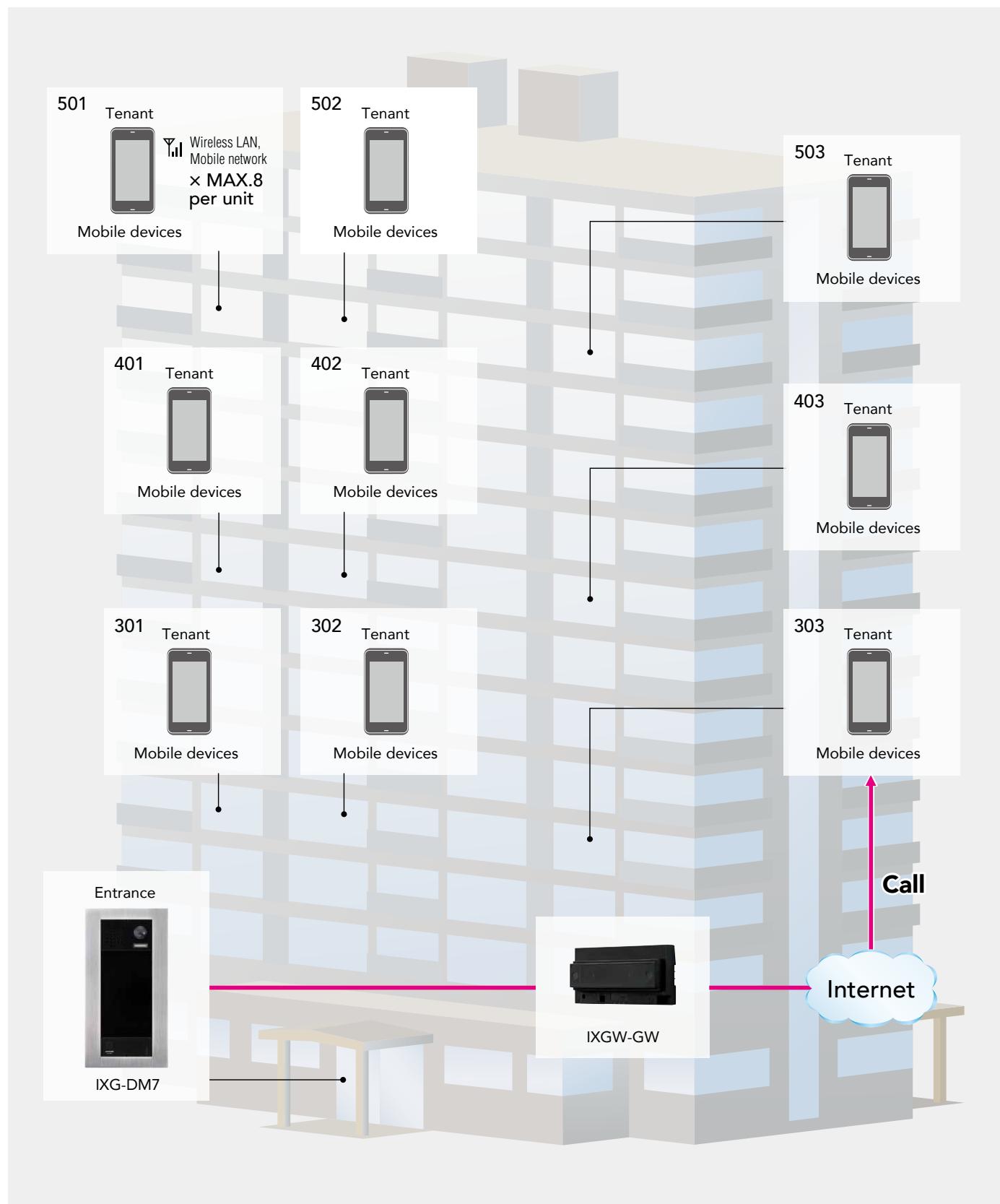


Connect buildings through an IP network. Ideal for large sites with long distances between buildings.

The property manager office can communicate with all tenant buildings.

Installation Example

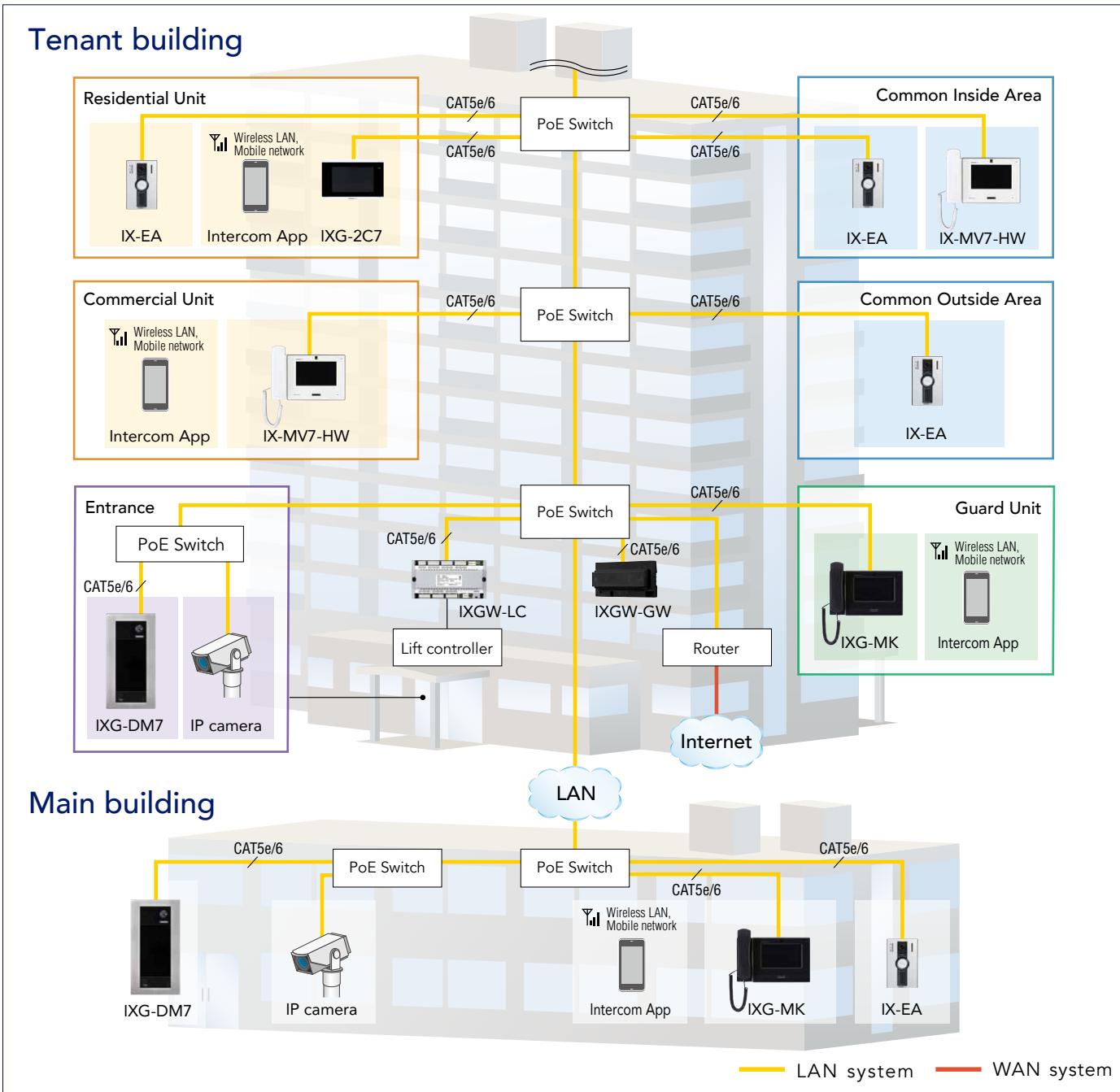
Residential building (Mobile device entry system)



There is no need to install video tenant stations.

You can talk with visitors through your mobile device even if you are away from home.

System Configuration Example



Maximum Capacity

- Maximum number of buildings : 99 buildings (including Tenant building and Main building)
- A maximum of 9,999 of the following stations and adaptors can be connected.
 - IXG System : IXG-2C7, IXG-DM7, IXG-MK, IXGW-LC, IXGW-GW
 - IX System : Master stations (IX-MV7-HB, IX-MV7-HW, IX-MV7-B, IX-MV7-W), Handset sub stations (IX-RS-B, IX-RS-W), Door stations (IX-EA, IX-DB, IX-BB, IX-DV, IX-DVF, IX-DVF-P, IX-DVF-RA, IX-DVF-2RA, IX-DVM, IX-SS-2G, IX-SSA, IX-SSA-RA, IX-SSA-2RA), IX-SOFT, IXW-MA
 - VoIP Phone
- A maximum of 9,999 units x 8 Intercom App (AIPHONE IXG) can be connected.

Residential Unit	IXG-2C7 or Handset sub station (max.8 per unit), Intercom App (max.8 per unit), Door station (max.2 per unit)
Commercial Unit	Master Station, Handset sub station, IX-SOFT, or VoIP Phone (max.8 per unit), Intercom App (max.8 per unit), Door station (max.2 per unit)
Common Inside Area	IXG-MK, Master Station, Handset sub station, IX-SOFT, or VoIP Phone (max.8 per unit), Door station (max.2 per unit)
Common Outside Area	Door station (max.10 per unit)
Guard Unit	IXG-MK, Handset sub station, or VoIP Phone (max.8 per unit), Intercom App (max.8 per unit), Door station (max.2 per unit)
Entrance	IXG-DM7 (max.10 per unit)
Other	IXGW-LC (max.16 per building), IXGW-GW (max.99 per system), IXW-MA (max.500 per system)

System Components

VIDEO TENANT STATION



SPECIFICATIONS

Power source	Power-over-Ethernet (IEEE 802.3af Class 0)
Type of communication	Full duplex audio (depending on the destination station)
Monitor	7 inch TFT LCD display
Number of units in address book	Max.9,999 units (IX/IXG stations: Max.500 stations + Intercom App: Max.9,999)
Number of buildings	Max.99 buildings
Number of stations per room	8 stations and 8 Intercom App
Mounting	Wall-mount
Material	Flame resistant PC + ABS resin

SPECIFICATIONS (Recommended microSD card)

Recording function cannot be used without microSD card.

Standard	microSDHC memory card
Supported storage capacity	4GB to 32GB
Format	FAT32
Speed class	SD speed class 10



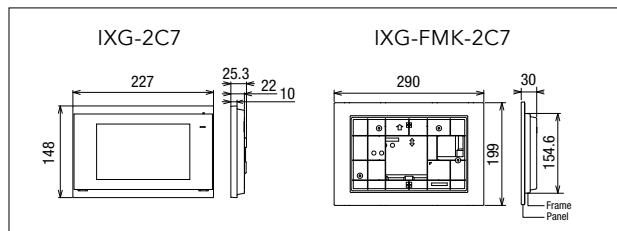
IXG-2C7 Unitized with IXG-FMK-2C7



SPECIFICATIONS

Mounting	Flush wall-mounted
Material	Panel: Self-extinguishing PC + AB resin Frame & Back Box: Self-extinguishing ABS plastic
Remarks	Used for : IXG-2C7

UNIT DIMENSIONS



VIDEO ENTRANCE STATION



SPECIFICATIONS

Power source	Power-over-Ethernet (IEEE 802.3af Class 0)
Type of communication	Full duplex audio (depending on the destination station)
Monitor	7 inch TFT LCD display
Camera	1/2.7 inch color CMOS
Minimum illumination	5 lux
Number of units in address book	Max.9,998 units (IX/IXG stations: Max.9,998 stations + Intercom App: Max.9,999)
Number of buildings	Max.99 buildings
Mounting	Flush wall-mount
Material	Front panel : Stainless steel, vertical alignment finished Main unit - Case : Flame resistant ABS resin LCD display : Glass Chassis : Die-cast aluminum
IP rating	IP65
IK rating	IK08

SPECIFICATIONS (Recommended microSD card)

Recording function cannot be used without microSD card.

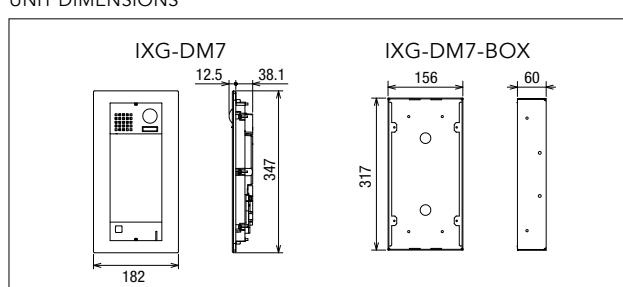
Standard	microSDHC memory card
Supported storage capacity	4GB to 32GB
Format	FAT32
Speed class	SD speed class 10



SPECIFICATIONS

Mounting	Flush wall-mount
Material	SPCC t1.6
Remarks	Used for : IXG-DM7

UNIT DIMENSIONS



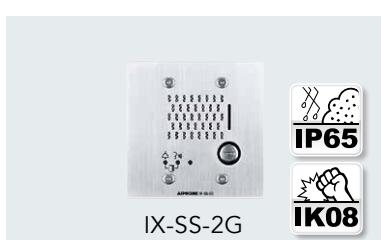
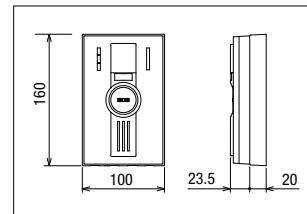
DOOR STATION



SPECIFICATIONS

Power source	Power-over-Ethernet (IEEE 802.3af Class 0)
Type of communication	Hands-free: automatic voice switching
Camera	1/3 inch color CMOS
Minimum illumination	5 lux
Mounting	Wall-mount
Material	Fire retardant ABS resin
IP rating	IP54

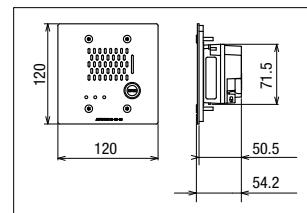
UNIT DIMENSIONS



SPECIFICATIONS

Power source	Power-over-Ethernet (IEEE 802.3af class 0)
Type of communication	Hands-free: automatic voice switching
Mounting	Flush wall-mount
Material	Front panel: Stainless steel, vertical alignment finished Main unit: Self-extinguishing ABS resin
IP rating	IP65
IK rating	IK08

UNIT DIMENSIONS



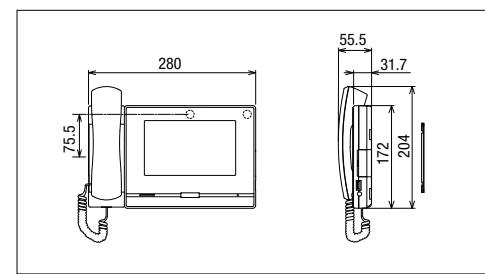
GUARD STATION



SPECIFICATIONS

Power source	Power-over-Ethernet (IEEE 802.3af Class 0)
Type of communication	Full duplex audio (depending on the destination station)/touch-to-talk
Monitor	7 inch TFT LCD display
Number of units in address book	Max.9,999 stations (IX/IXG stations: Max.9,998 stations + Intercom App: Max.9,999)
Mounting	Desktop use (with desktop stand) or wall-mount
Material	Flame resistant PC + ABS resin

UNIT DIMENSIONS



SPECIFICATIONS (Recommended microSD card)

Recording function cannot be used without microSD card.

Standard	microSDHC memory card	microSDXC memory card
Supported storage capacity	4GB to 32GB	64GB to 128GB
Format	FAT32	exFAT
Speed class	SD speed class 10	SD speed class 10, UHS speed class 1

ADAPTOR



SPECIFICATIONS

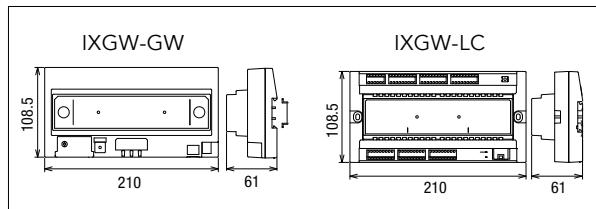
Power source	Power-over-Ethernet (IEEE 802.3af Class 0)
Channel	8
Mounting	Wall-mounted (DIN rail)
Material	Self-extinguishing ABS resin



SPECIFICATIONS

Power source	Power-over-Ethernet (IEEE 802.3af Class 0)
Mounting	Wall-mounted / Wall-mounted (DIN rail) (sold separately)
Material	Self-extinguishing ABS resin

UNIT DIMENSIONS



Compatible with IX System

Connect various stations of the IX system to the IXG system, allowing for comprehensive management.

This integration facilitates the application in complex buildings, covering residential and commercial spaces, offices, and parking areas.



Distributed by :



Deming Prize
Deming Medal



ISO 9001
JQA-0291
Corresponding product:
Standard product
Order product



ISO 14001
JQA-EM0453
HEADQUARTERS
TOYOTA FACTORY
TAIHOH SITE
DEVELOPMENT CENTER



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