

Catalogue

Apartment & Condo



The most advanced smart home experience

A.I. Home Mirror

“A.I. Home Mirror” allows you to customize your smart home experience to improve the safety, security, and convenience of your living environment.

You will have the flexibility and convenience to interact with your home through your mobile device or voice assistant, using simple voice commands to control your home.

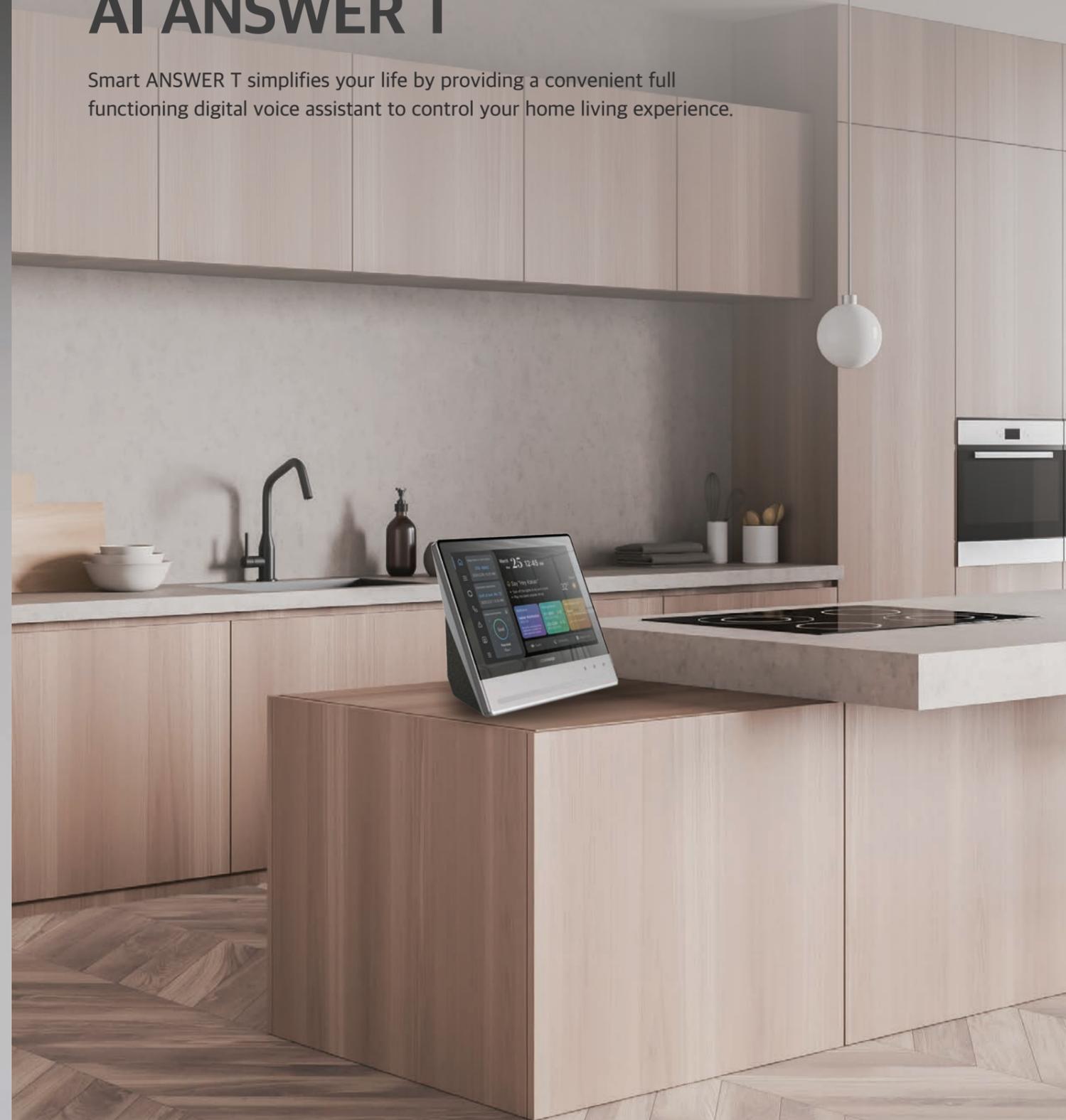


A.I. Home Mirror
CHM-2200 / 2200(S)

A voice assistant for your home

AI ANSWER T

Smart ANSWER T simplifies your life by providing a convenient full functioning digital voice assistant to control your home living experience.



A.I. Monitor [ANSWER T]
CAP-1000A / 1001A



Talk & Door open with Smart phone, SmartView Monitor

SmartView Monitor secures the access to your home by detecting and recording suspicious movements and activity in front of your home. It also provides you with full control of your home entrance using a convenient mobile app and digital voice assistant. This solution can be used in single homes, villas, townhomes, and multi-family buildings.

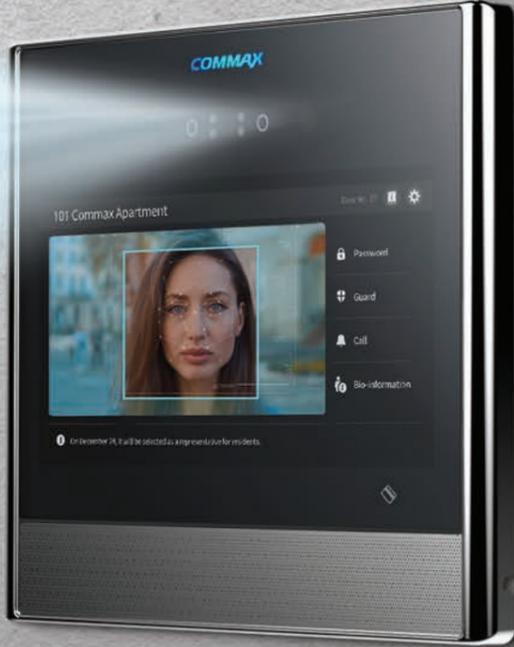
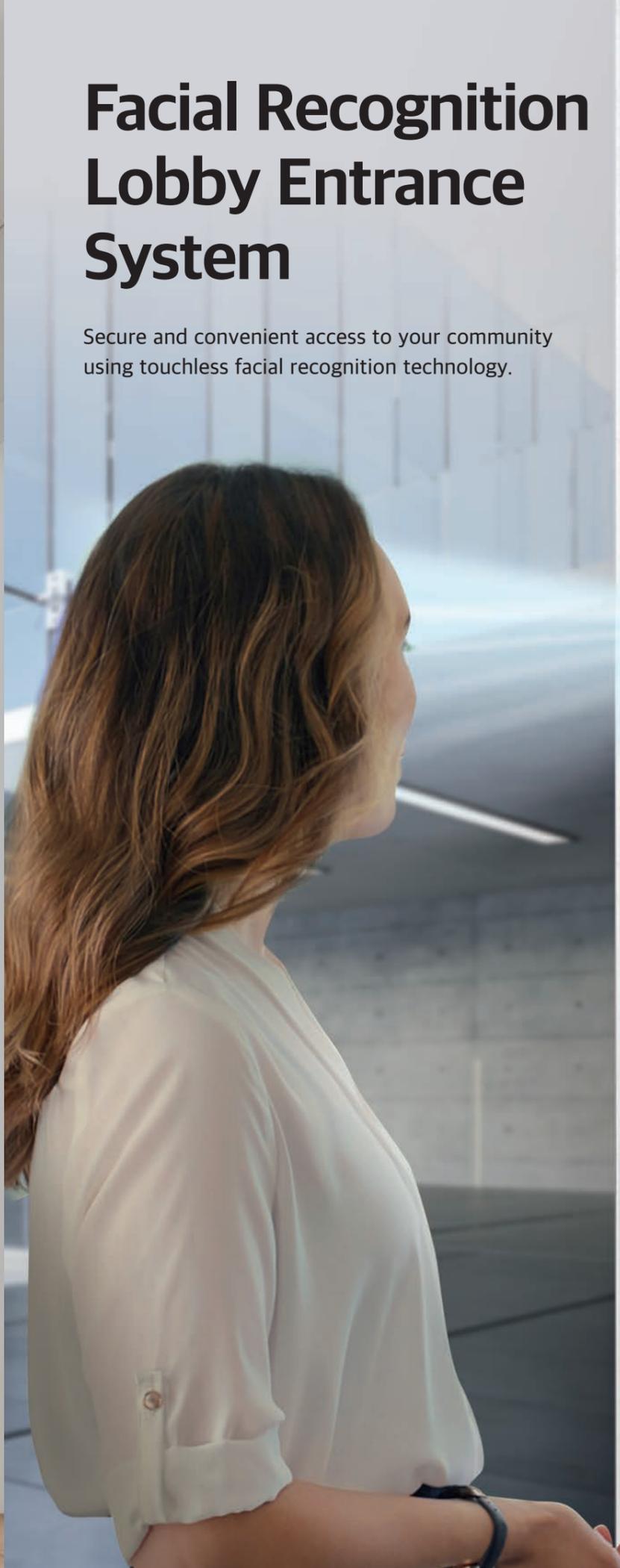


SmartView Monitor
CIP-70QPT / CDV-1004QT / CDV-70QT



Facial Recognition Lobby Entrance System

Secure and convenient access to your community using touchless facial recognition technology.



Face Recognition BIO Lobbyphone
CIOT-LBIO / DRC-BIOL(N) / DRC-BIOS

Benefits of A.I. Smarthome solution

COMMAX A.I. Smart Home delivers digital voice assistant technology to create a customized experience for every type of housing.



Benefits of A.I. Smarthome solutions



A.I. Smarthome solution with your own voice assistant
Convenient home management!



A.I. Smarthome solution with supporting mobile app
The control of your home is in the palm of your hand



Cloud-based IoT built-in solution (Serverless)



Security solution at the highest certification standards
Your home is safer with KISA's IoT security certification!

A.I. Smarthome solution

The A.I. Smarthome solution connects homes together in buildings to create both a smart home and community experience. New levels of sustainability, security and convenience are enabled to create a truly unique living environment.

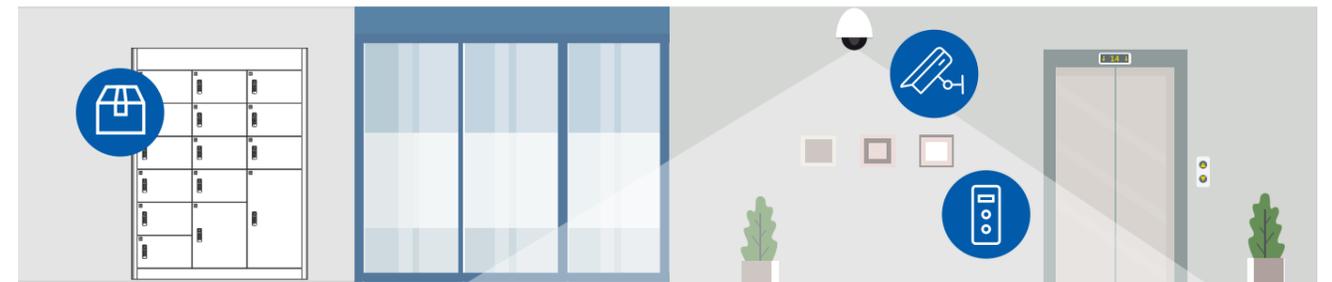
House Zone

A.I.-IoT Space solution, ventilation purification system, oxygen supply system, smart lighting



Common Spaces

Automated parcel management, elevator voice call, and remote meter reading system



Community Zone

A.I. Fitness system



Outdoor Zone

Parking control system, parking video guidance system, IP CCTV system, emergency bell system

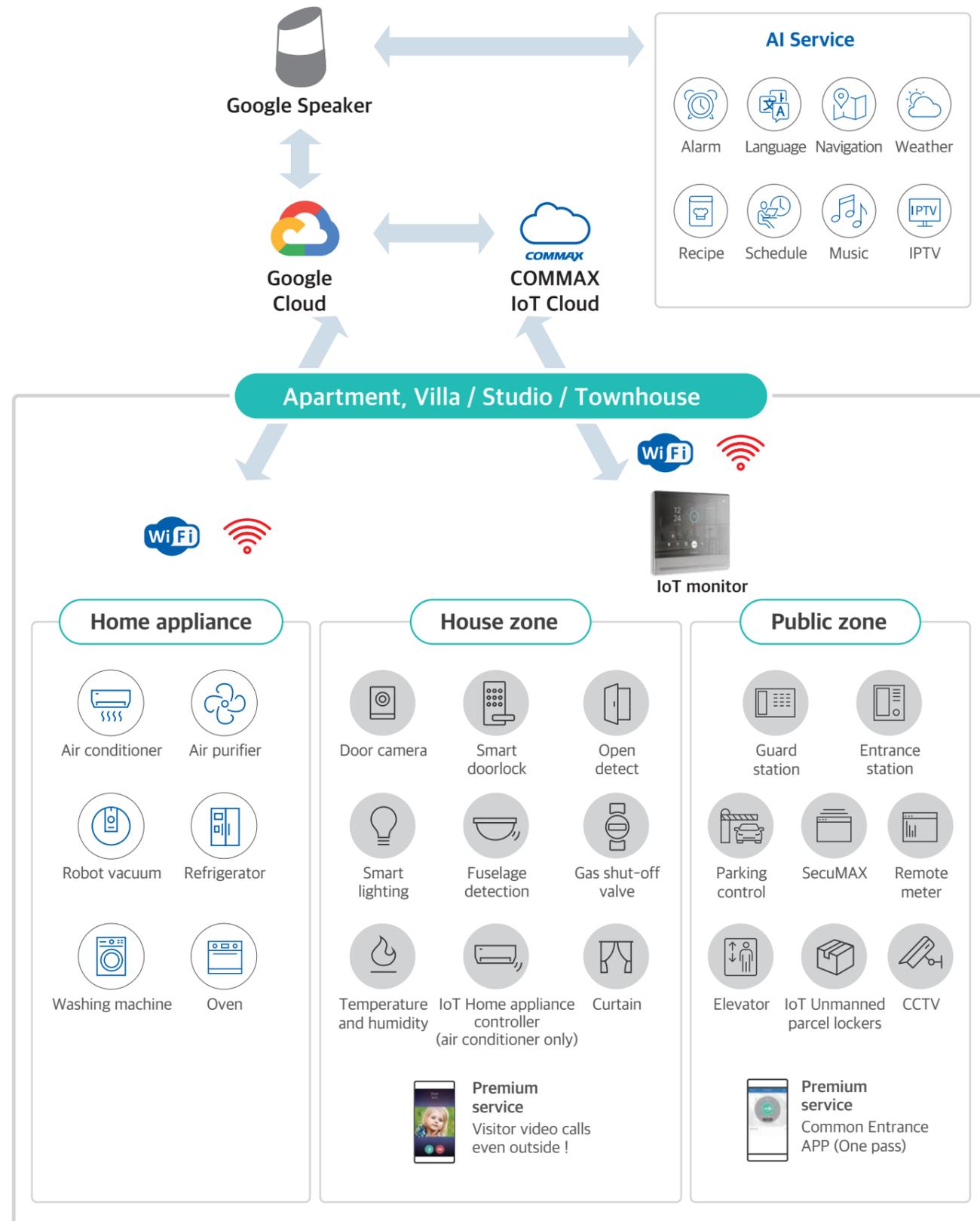


※ The above functions are intended to aid understanding, and service items may change due to reasons such as non-implementation or performance improvement upon actual move-in.

A.I. Voice Control

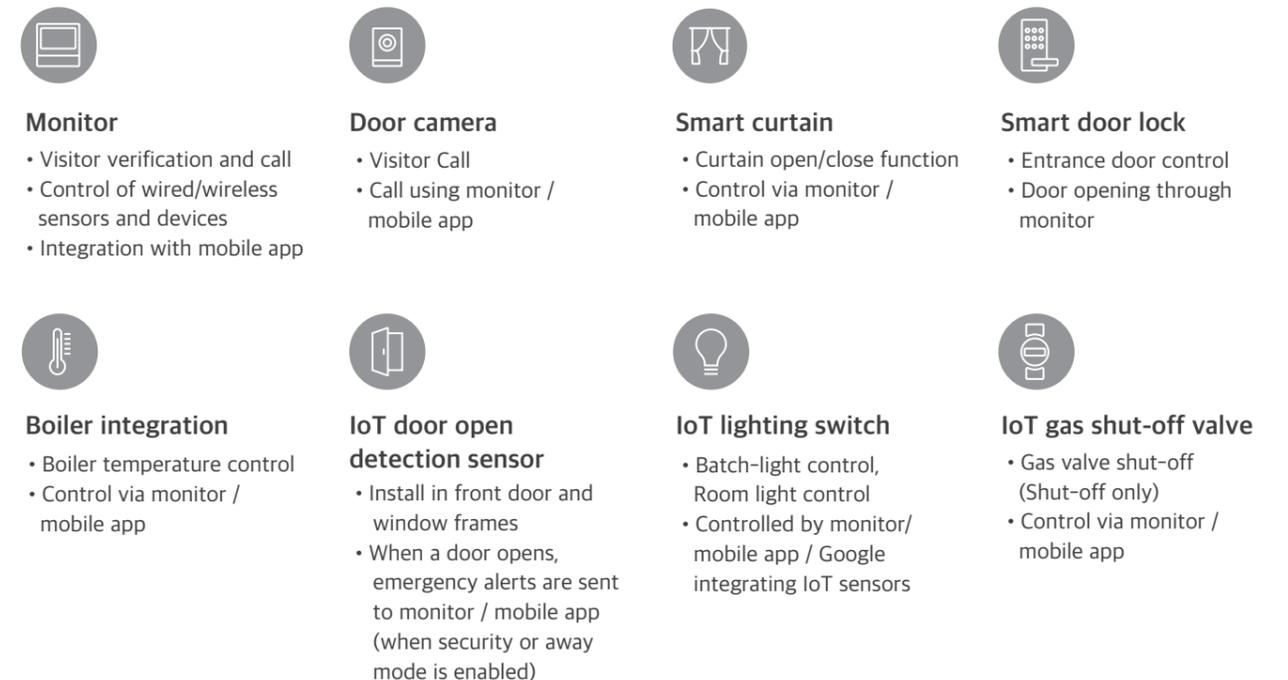
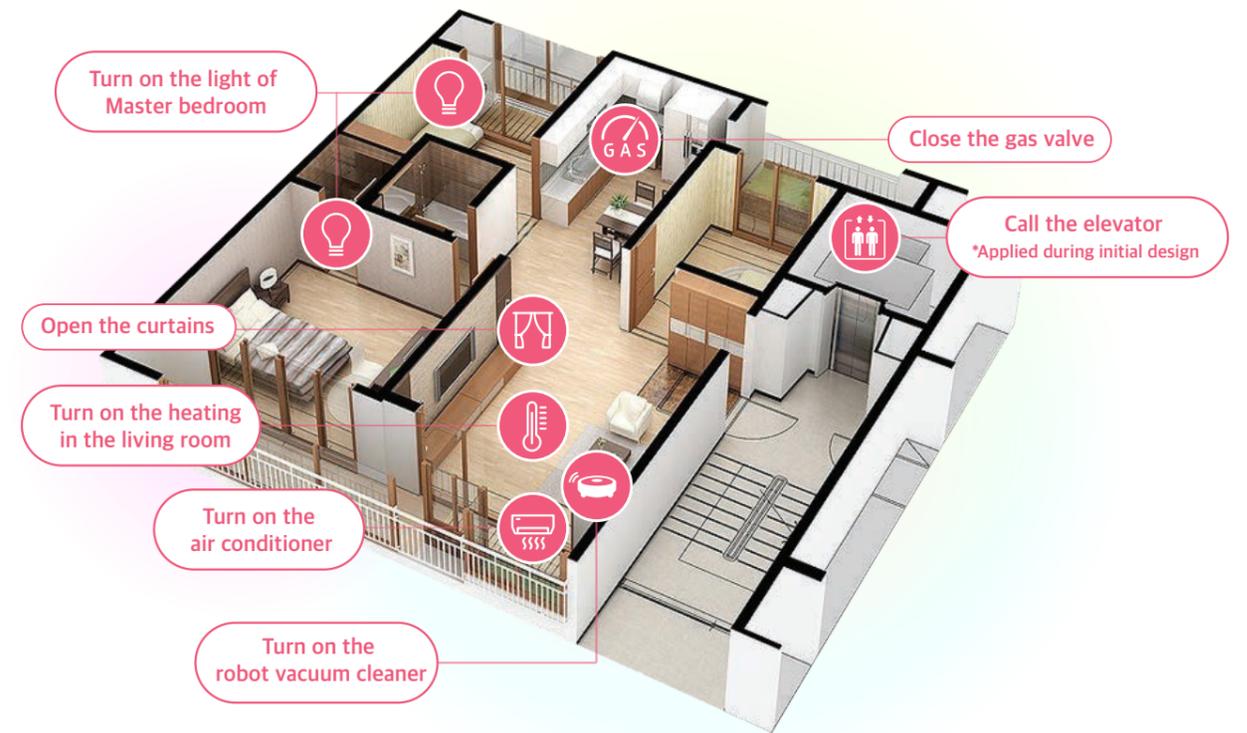
Standard Configuration Diagram

The A.I. HOME service, created by integrating the A.I. platform with COMMAX Cloud, allows residents to live conveniently according to the space and lifestyle of various housing types.



Voice control service

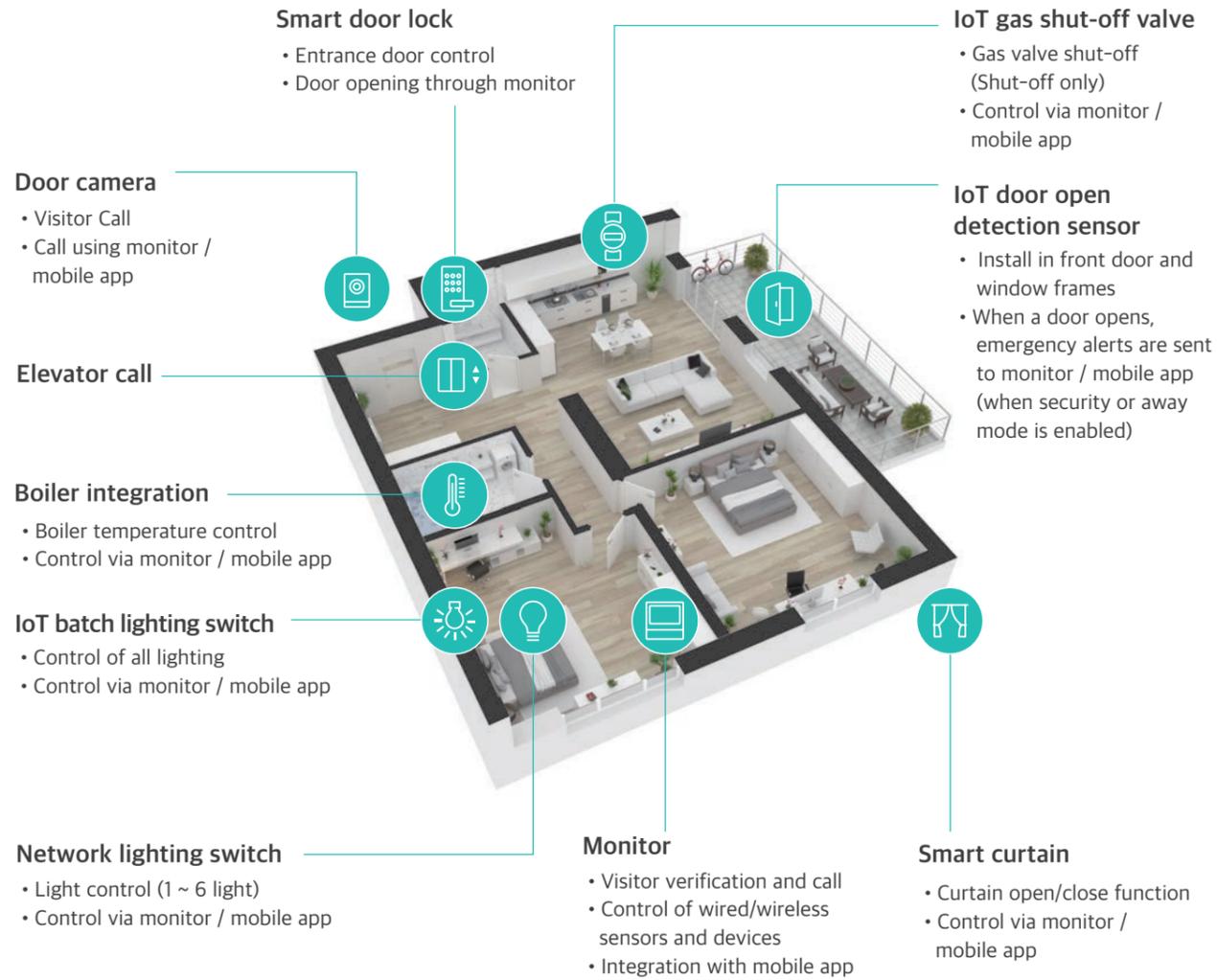
The A.I. Home service allows you to control your home environment appliances using your voice through Google Speaker, and receive various living information.



A.I. Apartment · Villa



Diagram An integrated perfect A.I. residential solution to our family members



Household configuration The most basic configuration for creating a smart life starting from A.I. apartments and villas!

<p>Monitor</p> Premium Type (10-inch) Premium Type (7-inch)	<p>Door Lock</p> Premium Type (Facial/Fingerprint Recognition) Luxury Type Standard Type Compact Lock
<p>Door Camera</p> Luxury Type Standard Type	<p>Sensor and Control devices</p> Batch lighting switch Network lighting switch IoT Gas shut-off valve Boiler integration (limited products)

Additional premium configuration

Hey Google

"Turn on the living room lights."
"Close the gas valve."
"Set the boiler to 28°C."

Control your home conveniently with voice via A.I. speaker.

Create a more comfortable environment, control devices and verifying visitors with voice from anywhere in your home.

A.I. home mirror A.I. monitor

Common area

Common entrance lobby phone Guard station CCTV system

Parking control System Automated parcel management system Elevator call device

+ Security A safer smart life with security and disaster prevention features! "Close the gas valve."

PIR Temperature and humidity sensor IoT Door detection sensor

Magnetic sensor (wired) Moving detection sensor (wired)

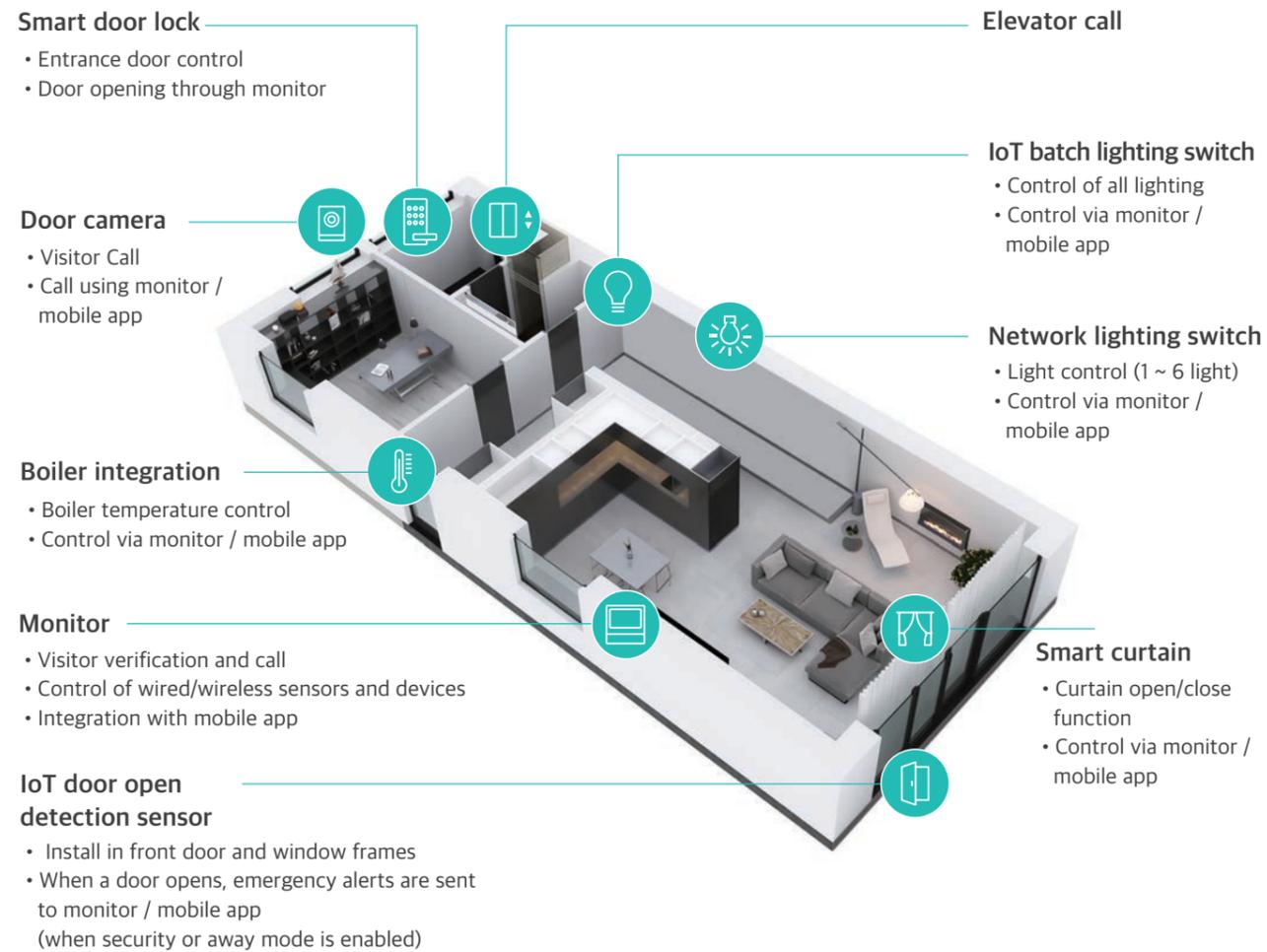
+ Convenience A more convenient smart life with Home IoT Things! "Turn off the living room lights."

IoT Temperature / humidity sensor Smart curtain

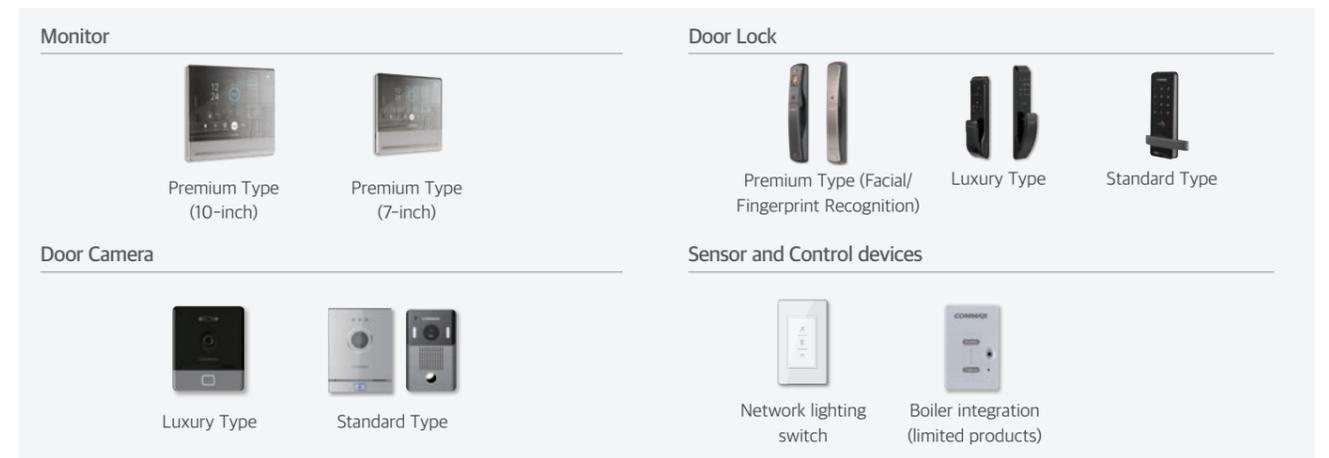
IoT Light switch IoT Home appliance controller (air conditioner only)

A.I. Studio

Diagram Safe solution for Single(1~2) type of households



Household configuration The most basic structure to create a smart life starting with A.I. studio!



Additional premium configuration

Common area

Hey Google

"Turn on the living room lights."
"Close the gas valve."
"Set the boiler to 28°C."

Control your home conveniently with voice via A.I. speaker.

Create a more comfortable environment, control devices and verifying visitors with voice from anywhere in your home.

A.I. home mirror A.I. monitor



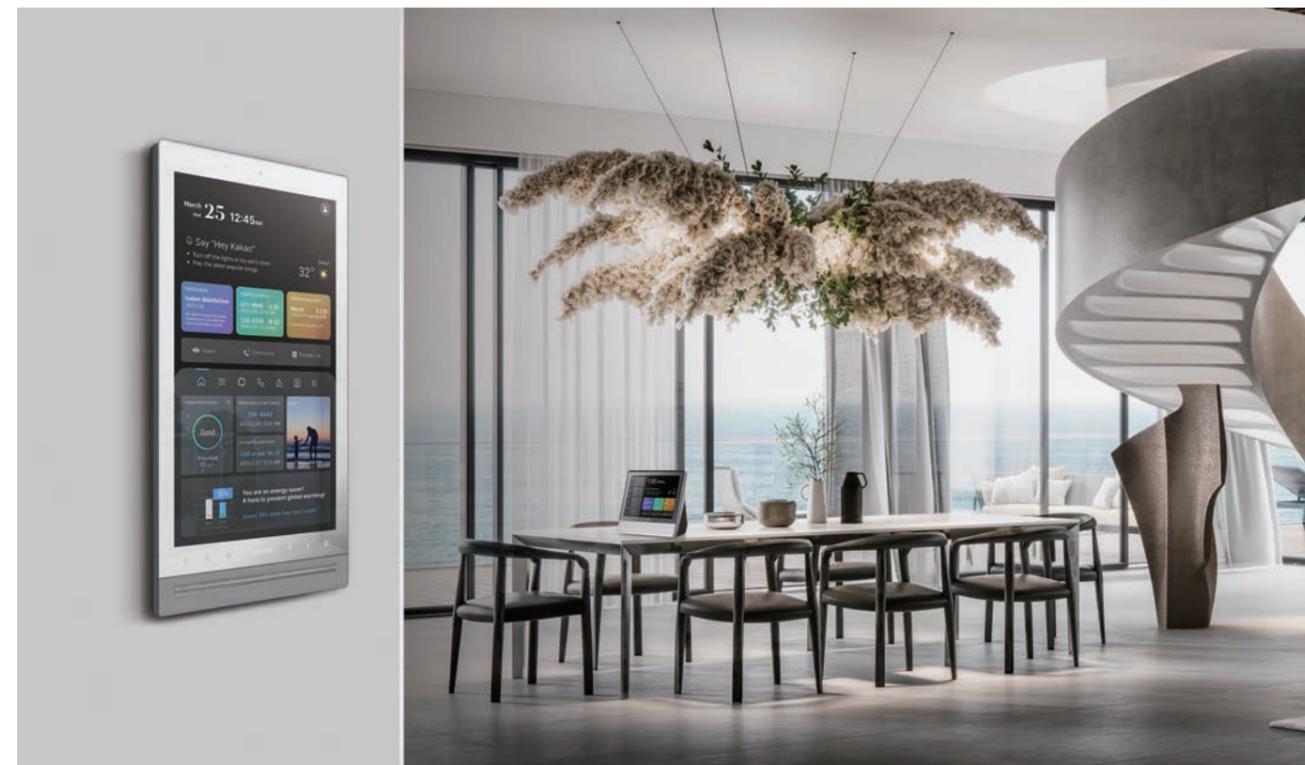
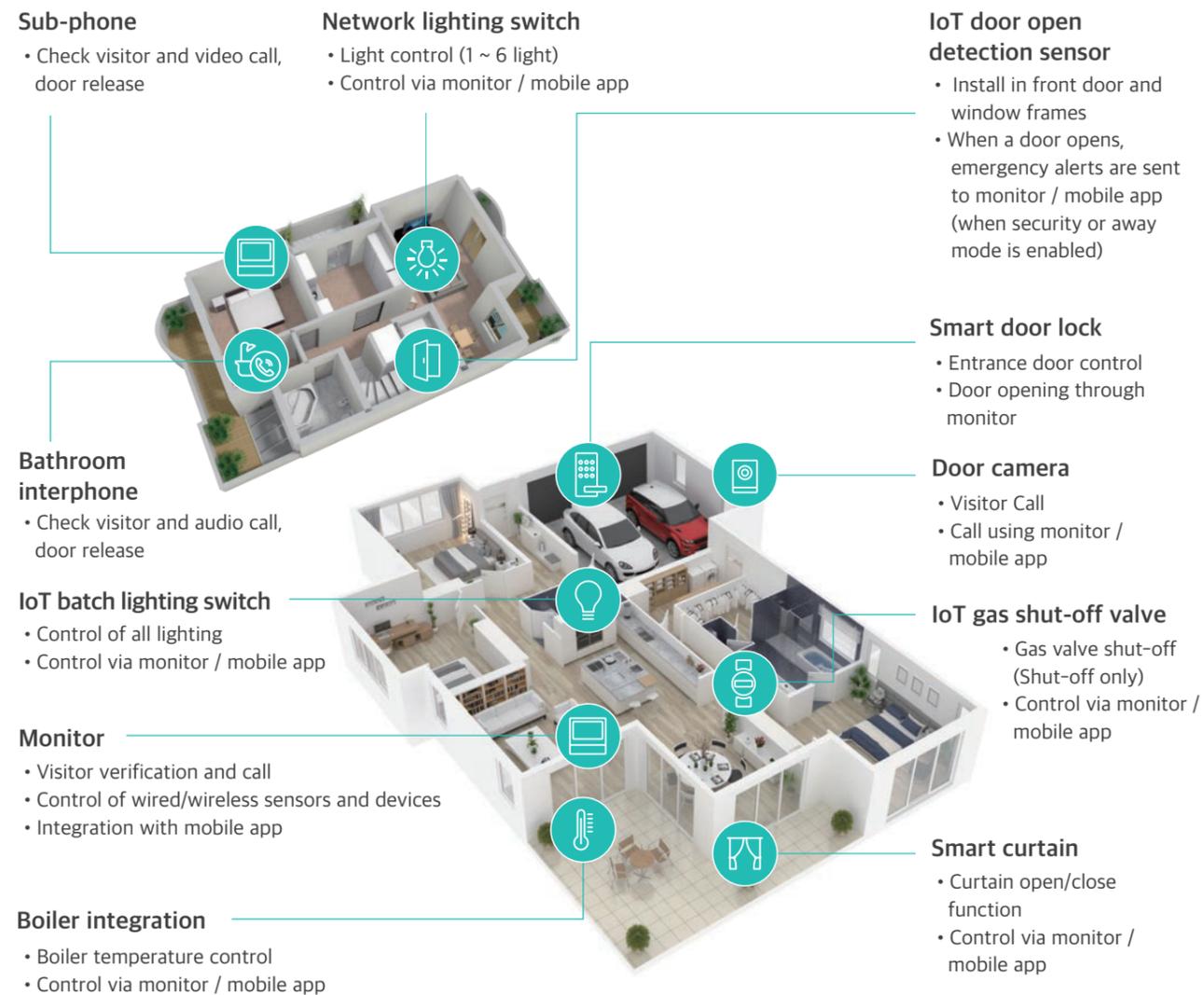
+ Security A safer smart life with security and disaster prevention features! "Close the gas valve."

+ Convenience A more convenient smart life with Home IoT Things! "Turn off the living room lights."

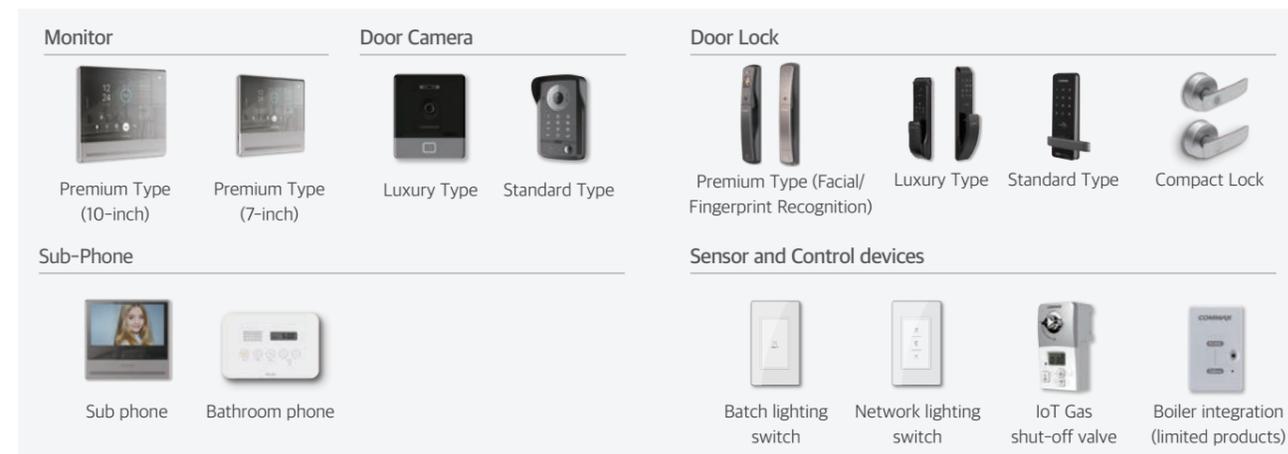


A.I. Townhouse

Diagram Artificial intelligence is a premium solution for townhouse customization



Household configuration The most basic configuration to create a smart life starting from an A.I. townhouse!



Add luxury configuration

Common area

Hey Google "Turn on the living room lights." "Close the gas valve." "Set the boiler to 28°C."

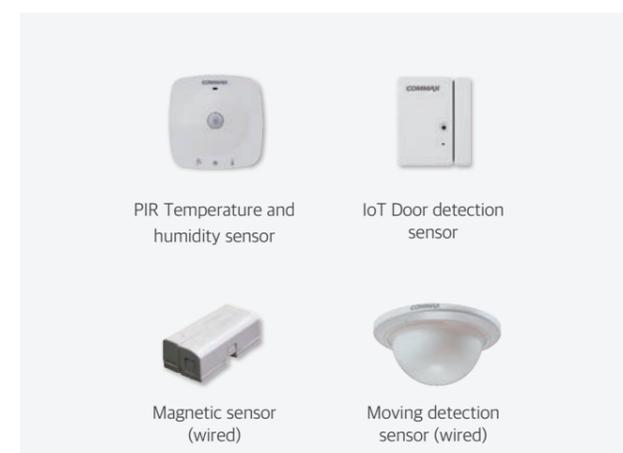
Control your home conveniently with voice via A.I. speaker.

Luxury smart life with premium A.I. products that improve the quality of life!

A.I. Smart mirror A.I. home mirror A.I. monitor



+ Security A safer smart life with security and disaster prevention features! "Close the gas valve."



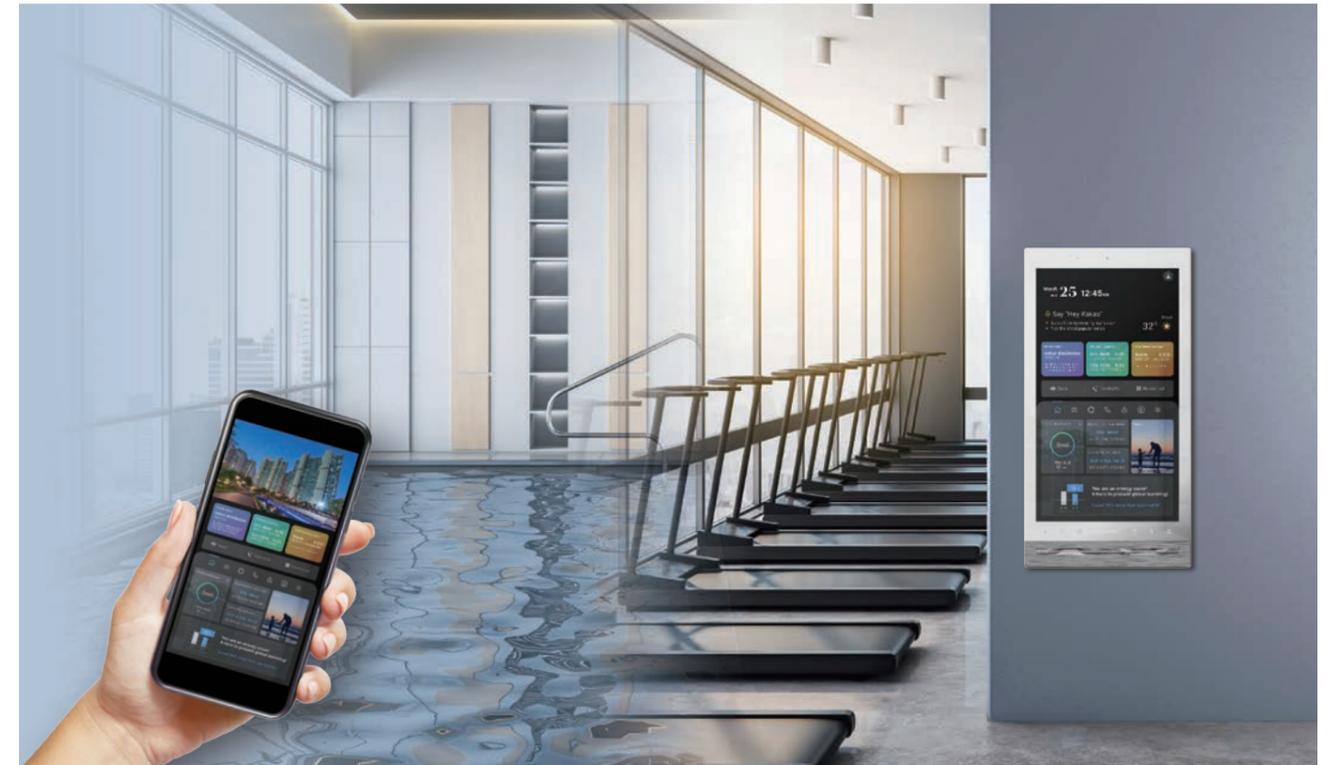
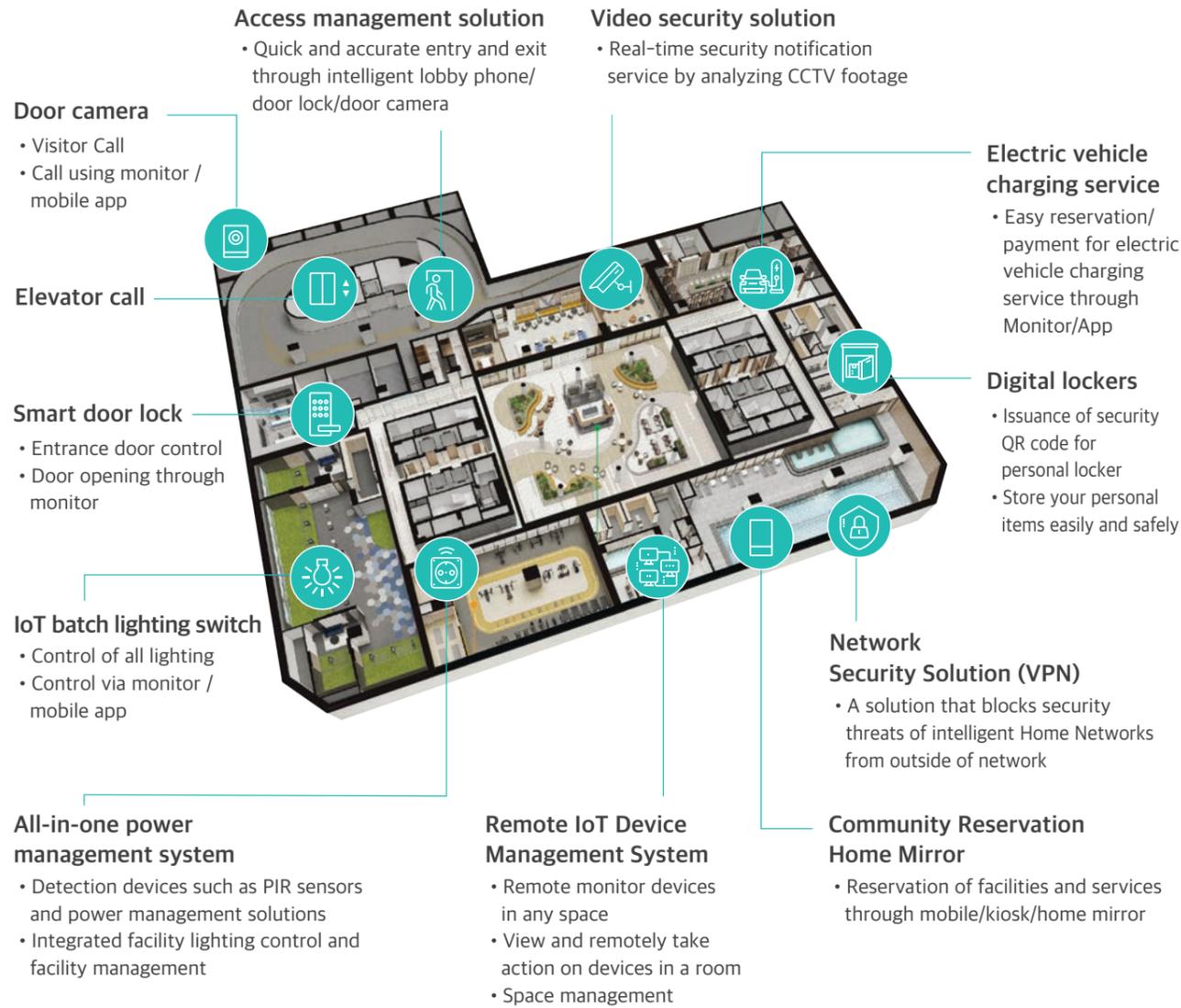
+ Convenience A more convenient smart life with Home IoT Things! "Turn off the living room lights."



Community management solution



Diagram A.I. Smart Home is a premium solution for community management solution customization



Household configuration The most basic configuration to create a smart life starting from an A.I. community management solution!

<p>Monitor</p> Premium Type (10-inch) Premium Type (7-inch)	<p>Door Camera</p> Luxury Type Standard Type	<p>Door Lock</p> Premium Type (Facial/Fingerprint Recognition) Luxury Type Standard Type Compact Lock
<p>Sub-Phone</p> Sub phone Bathroom phone	<p>Sensor and Control devices</p> Batch lighting switch Network lighting switch IoT Gas shut-off valve Boiler integration (limited products)	

Add luxury configuration

Common area

Hey Google

"Turn on the living room lights."
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Control your home conveniently with voice commands.

Luxury smart life with premium A.I. products that improve the quality of life!

 A.I. Smart mirror home mirror
 A.I. monitor

Common entrance lobby phone
 Guard station
 CCTV system
 Parking control System
 Automated parcel management system
 Elevator call device

+ Security A safer smart life with security and disaster prevention features! "Close the gas valve."

PIR Temperature and humidity sensor
 IoT Door detection sensor
 Magnetic sensor (wired)
 Moving detection sensor (wired)

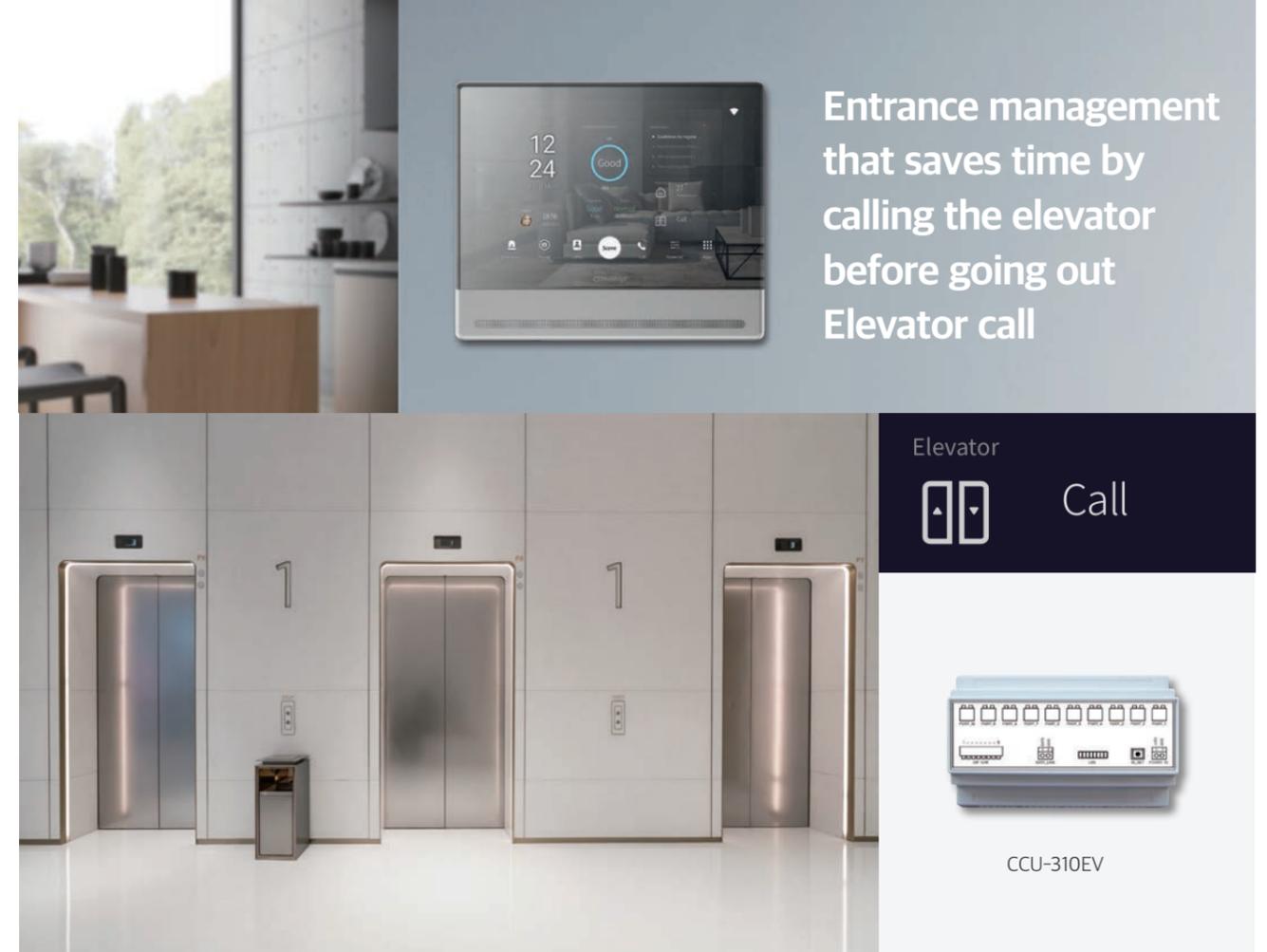
+ Convenience A more convenient smart life with Home IoT Things! "Turn off the living room lights."

IoT Smart plug
 IoT Temperature / humidity sensor
 Smart curtain
 IoT Light switch
 IoT Home appliance controller (air conditioner only)

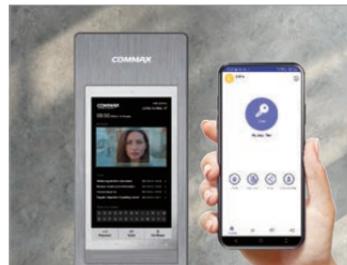
Lobby Kiosk



Entrance management



Video call to my house
Video calls with the monitor in the house from the common entrance of the complex



Convenient access with BLE function
BLE function allows touch-less access (Some restrictions are limited depending on the environment such as smartphone specifications and BLE)



Floor mode
When the household calls an elevator from the monitor, the elevator is called to the corresponding floor



Lobby mode
When the resident passes through the automatic lobby door, the elevator is called to the lobby floor



Access control strengthens safety functions
It is linked with an automatic door to control the access of uninvited guests from the outside



22-inch wide display
The display displays how to call and guide, enabling a luxurious exterior design

The elevator call function is available when a contact-type elevator is installed
→ Need to check the company that can link elevator (linkable companies : Hyundai Elevator, TK Elevator, etc.)
* Floor mode : Elevator "descent" button - communication room (MDF) UTP wiring required
* Lobby Mode : Elevator "Rise" button - Communication room (MDF) UTP wiring required
* If the elevator and Smart intercom system interconnection time are different, additional expenses may be added.
* The timing of the installation of the elevator and the system is different, so the elevator site between the final elevator interworking test
* Lobby mode and floor mode cannot be used as the same relay.

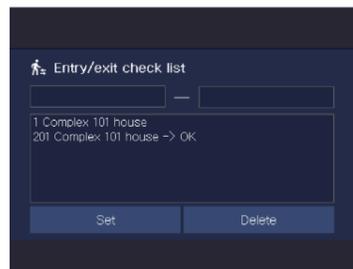
Access management system



Operating program that can control integrated management and household safety and security (PC server + management program)

COMMAX Security solution

Diagram



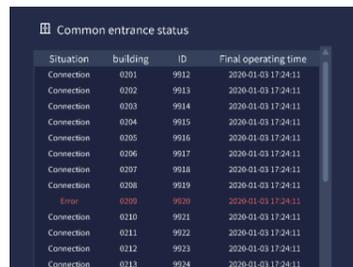
Setting/checking registered information

Registration and management of information for access to the common entrance within the complex



Real-time alarm function

Real-time alarm in case of household emergency situation



Common entrance access management

Management of overall status and information of common entrance



Vehicle information inquiry and management

Manage vehicle information in connection with parking system



Vehicle entry/exit



Underground parking lot



Public zone



Common entrance



Management office



Recycling Box



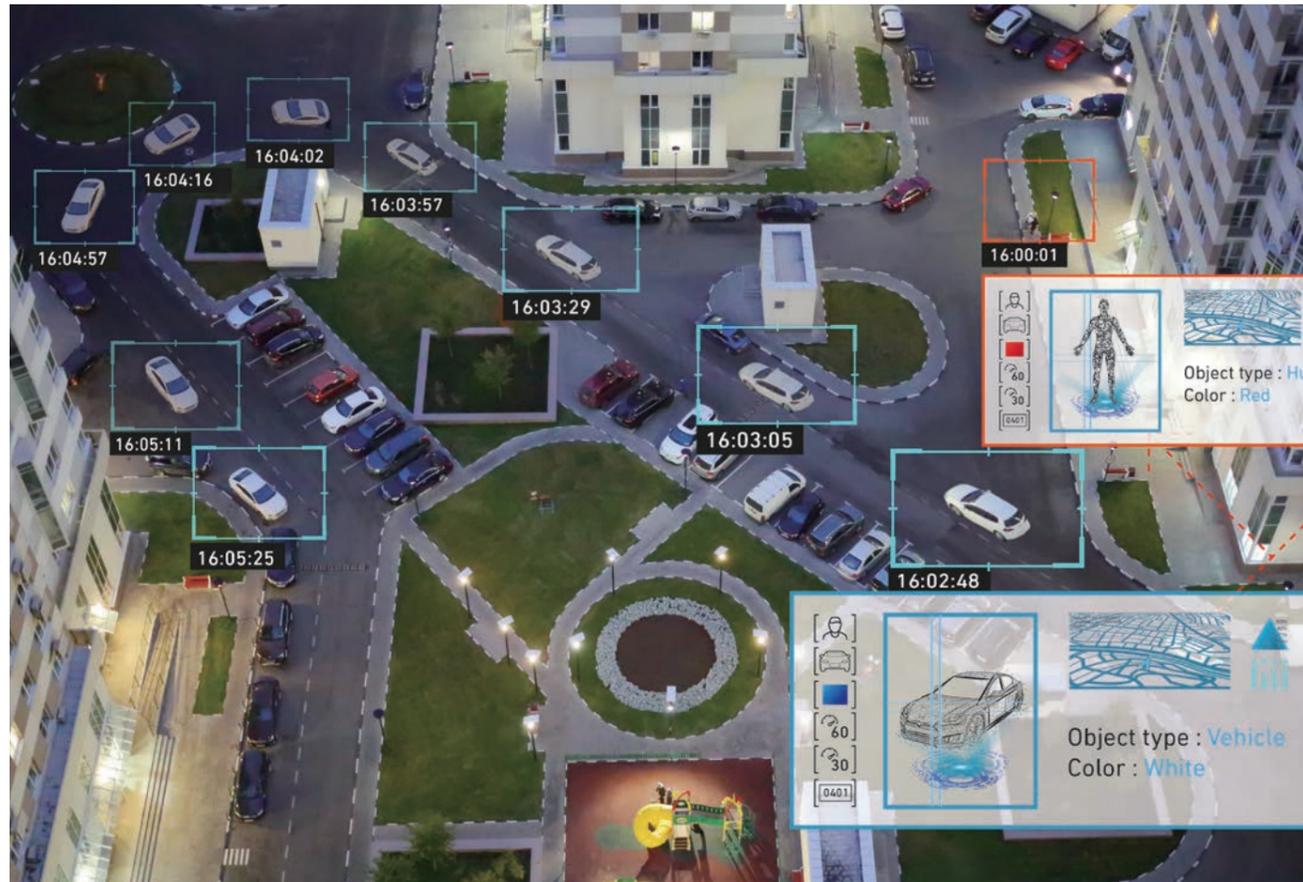
Rooftop



Elevator

Security intelligent solution

Intelligent solution



Time Compression Functions
Simultaneous display of a situation within a specified time within one screen



Conditional analysis function
Tracking analysis by classifying objects such as vehicle / person classification tracking / motion direction tracking / color tracking



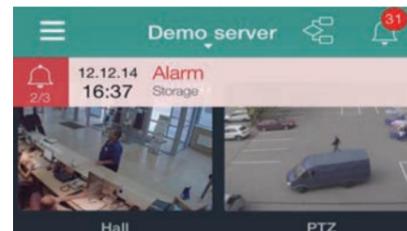
Intelligent video monitoring
Analyze images such as intrusion detection / fire detection and detect, and display dangerous situations by itself



3D live E-MAP
3D Live E-MAP support allows for intuitive monitoring and search.



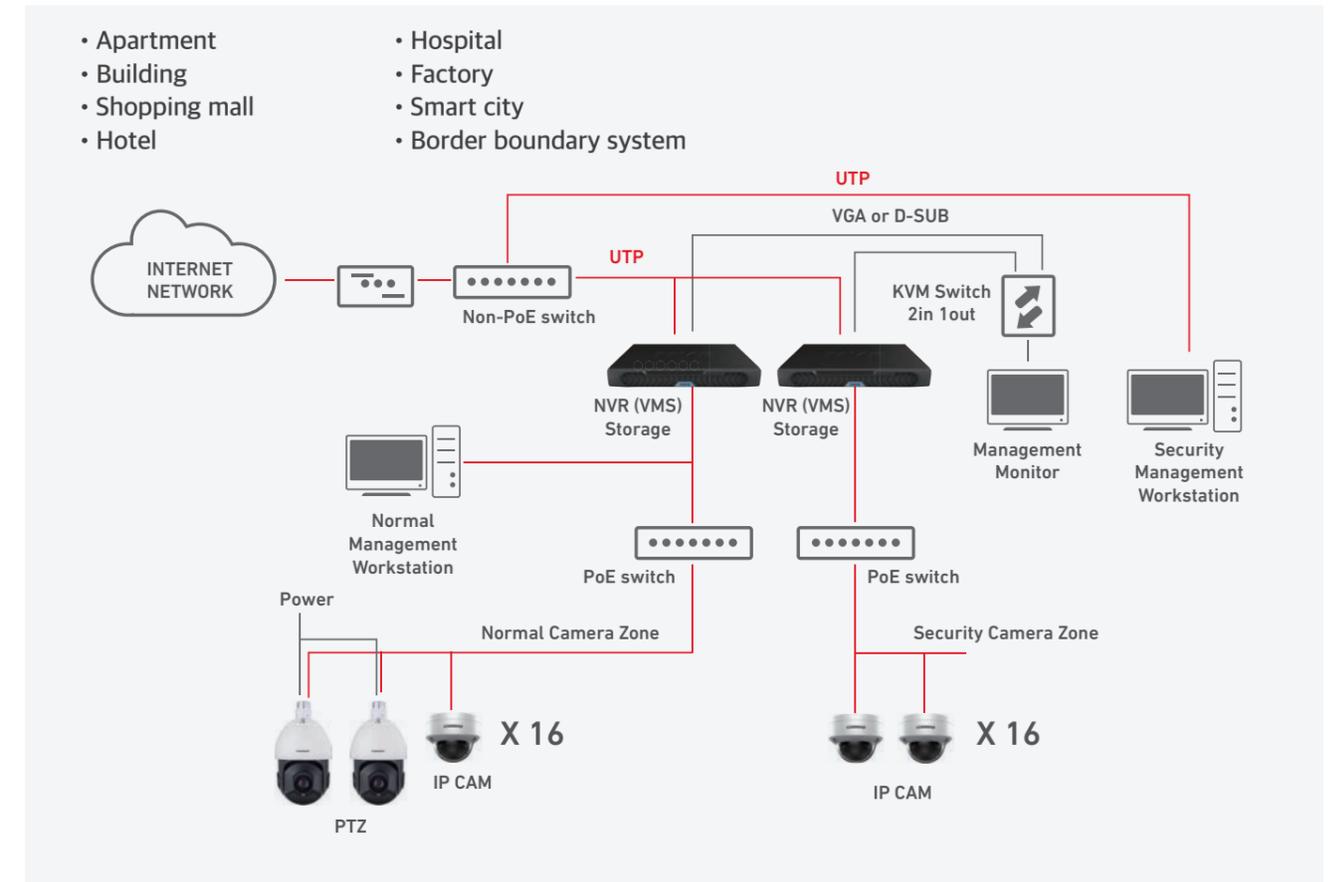
Face recognition function
Even if you input a recorded file from other system, post-search is possible using video analysis technology.



Mobile APP monitoring
Real-time monitoring, recording search, and event check are possible through the APP.

Security specialized cameras

Diagram



Camera configuration for each surveillance location



Elevator abnormal sound source detection
Equipped with a warning light and speaker voice warning function, enabling monitoring and prevention in the event of an intrusion into a designated area such as an elevator or an incident/accident.



Illegal parking warning broadcast
Monitor and control space where multiple vehicles pass by identifying vehicle traffic lines



Vehicle number identification
Installed in the entry/exit area, it can identify and store the numbers of vehicles entering and exiting. Intelligent storage devices enable the movement path of vehicles to be identified and allow efficient control of vehicles within the complex.

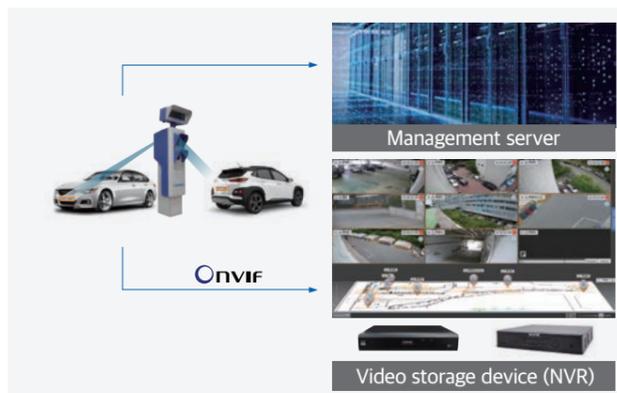


All day color
Clear objects when shooting at night, A function that smartly corrects color and shape. Videos shot at night, recognition of objects, and emergency situations, Quick and accurate judgment possible

Parking Control System



Fast and accurate number recognition system



Multi Streaming IP camera

Dual streaming support allows camera video to be transmitted to the number recognition system and NVR without a video transmission interface, respectively.

- Simultaneous video transmission with Multi Streaming support
- Excellent NVR compatibility by applying standard protocol (Onvif)
- Real-time monitoring and video storage without a separate CCTV camera



Front and rear vehicle number recognition

Possible Two-way recognition and data analysis of two (front, rear) license plates of the same vehicle

- Improved vehicle number recognition rate through dual vehicle number recognition cameras
- Technology to simultaneously analyze data from the front and rear of the same vehicle
- Maintain a normal recognition rate even in bad weather such as rain or heavy snow by filming the rear license plate, which can be maintained in a relatively cleaner state than the front license plate.

Deep Learning Base Number recognition algorithm

Apartment complex server interconnection function

Recognize normal numbers through analysis and deep learning of unrecognized or misrecognized license plates through big data / Periodic updates and management

Continuous algorithm upgrade



High electric vehicle license plate recognition rate



Normal recognition of vehicle number



Big-Data



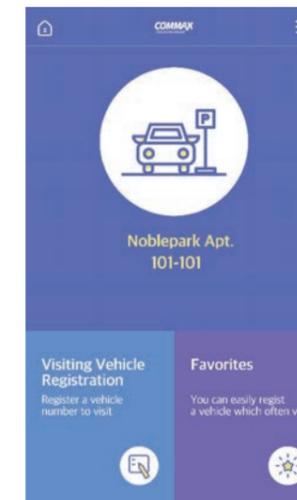
Deep Learning

APP for Parking Control system

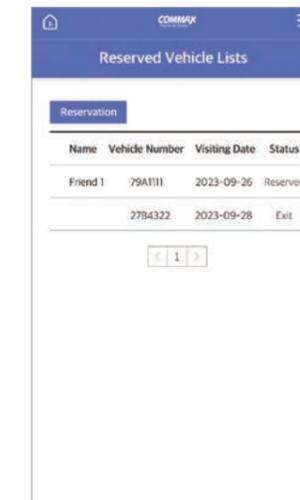
You can conveniently check parking conditions anywhere with the mobile app.



Log-in Screen



Home Screen



List of visiting vehicles



Registering Visiting vehicle

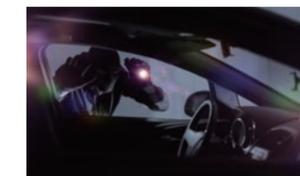
Parking Control system



Parking guidance



Parking control



Video security



Parking location information

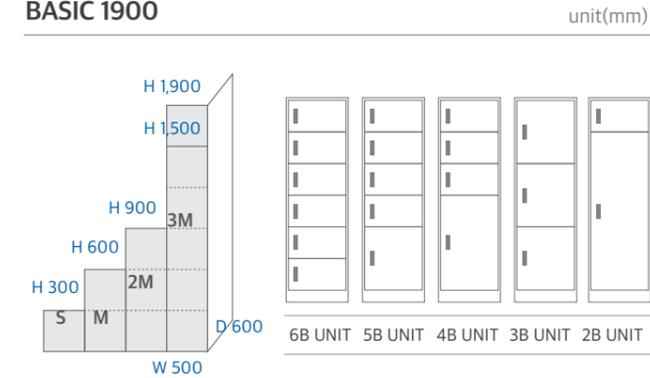
Automated parcel management system



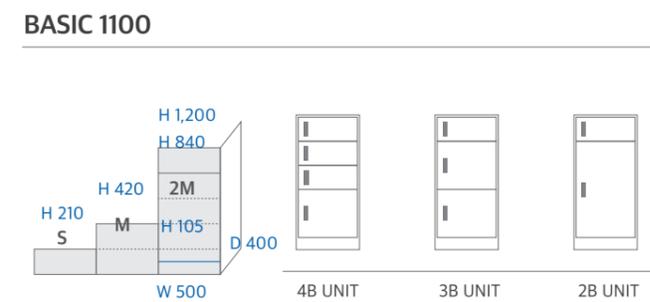
Size specifications

Product combinations for each unit are possible as needed.

BASIC 1900



BASIC 1100



Division	Product Name
1900 IoT Size	10Box(6Bx4B)
	15Box(6Bx5Bx4B)
	20Box(6Bx5Bx4Bx5B)
	30Box(6Bx5Bx4B), 15Box x 2Set
	40Box(6Bx5Bx4B), 15Box x 2Set, 10Box x 1Set
	50Box(6Bx5Bx4B), 15Box x 2Set, 10Box x 2Set
1900(H) x500(W) x600(D)	60Box(6Bx5Bx4B), 15Box x 4Set
	70Box(6Bx5Bx4B), 15Box x 4Set, 10Box x 1Set
	80Box(6Bx5Bx4B), 15Box x4Set, 10Box x 2Set
	90Box(6Bx5Bx4B), 15Box x 6Set
	100Box(6Bx5Bx4B), 15Box x 6Set, 10Box x 1Set

How to use

Delivery person : Scan QR through selected delivery app → Enter approval number → Store item in locker

User : Enter the authentication number received in SMS → Receive product



Through convenient QR code data communication

QR code on smartphone
Deliver information through the app notifies the user.



No need for electrical work IoT system

Simple installation work that does not require electricity supply or internet connection reduces costs and saves time.



Conveniently configured the way you want it

Each unit can be combined depending on the installation location and purpose.



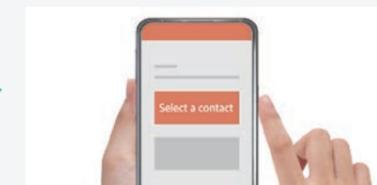
Differentiated customer service

One-year free A/S, in-house call center operation, remote support, and on-site processing are available.

Delivery person storage of goods



Press the start button and scan the QR code



Select recipient through delivery app



After entering the approval number, store the item in the locker.

Storage of user items



Notification of storage and password via SMS or APP



Start button > Enter the received password



Storage box OPEN Receiving stored items

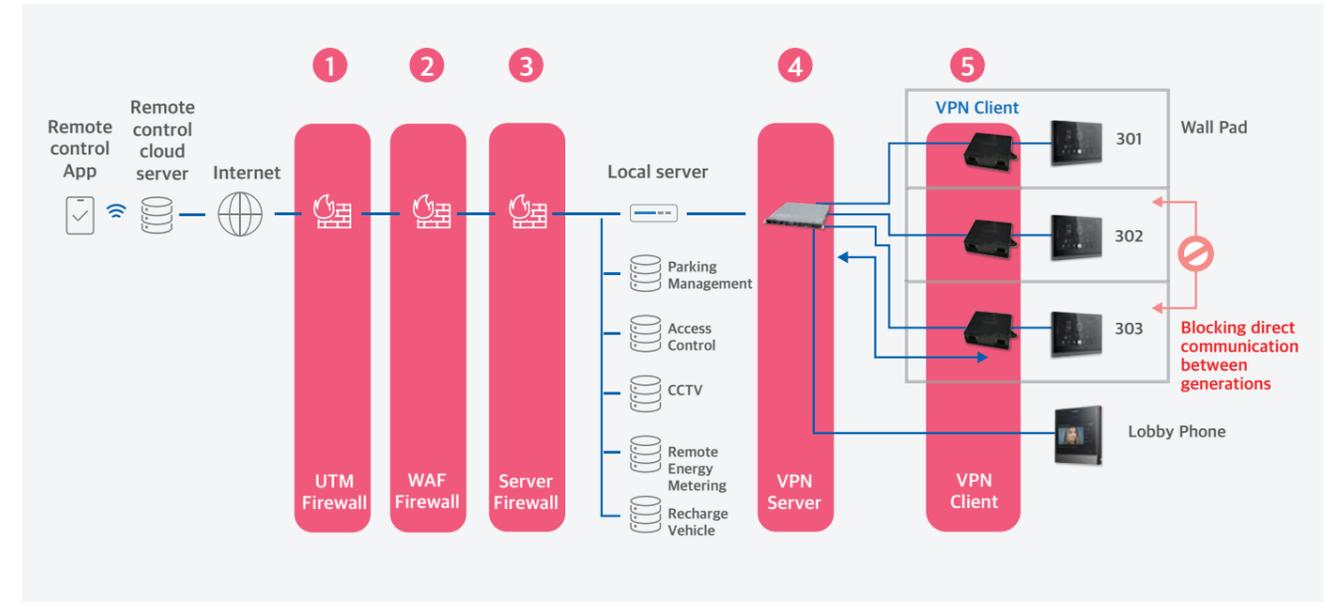
Cyber security solution



By the cyber security solution (VPN) that blocks hacking and security threats by separating the network within the complex, further strengthening home network security

Solution Diagram

Network separation through virtual tunnel and encryption assigns individual networks to each generation.



Division	Specification
VPN server capacity classification	• Classification by number of clients - 500/1000/2000/3000 Account
Cloud service integration security	• Encrypted communication between Wallpad - VPN server - (external) cloud service server applied • Supports applying SSL to cloud servers

Logical network separation by generation without changing wall pad/network

- Each generation without changing the existing wall pad/network separation provided the VPN
- P2P communication between households is possible through VPN server routing

Data confidentiality

- Application of NIS verified cryptographic module (KCMVP)
- Authentication and identification information encryption, save the key storage in secure area

Data integrity

- S/W tamper-proof integrity check
- Hash and electronic signature verification

Certification

- Electronic sign authentication, mutual authentication between server and terminal
- Uses ECC-P256 algorithm

Access control

- Only whitelist-based authorized requests can access
- Block access between households at the source, allow access only when authorized

Transmission data protection

- Transmitted data integrity verification and non-repudiation
- Complies with TLS v1.2/1.3 standards, supports AES/ARIA algorithms

Where to use



Vehicle entry/exit



Underground parking lot



Public zone



Common entrance



Management office



Recycling box



Rooftop



Elevator

A.I. Home Solution

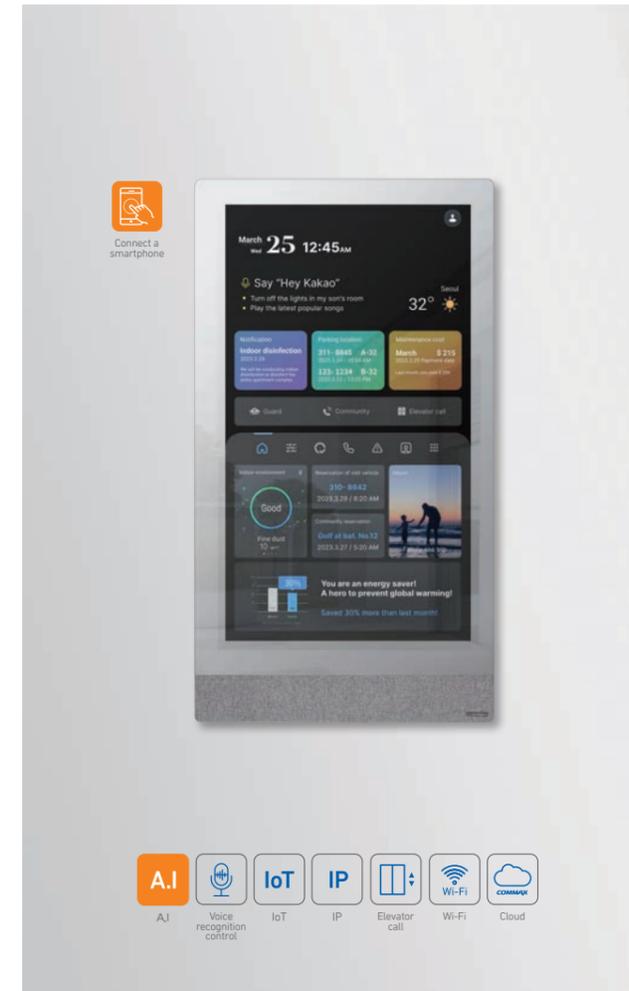
Digital voice assistant technology will allow you to interact with and control your home with regular speech. There are many wall pad options, for different types of communities and they all fully support IoT and smart home device integration. These smart homes can be connected over a standard IP network with different server options to create a fully connected smart community.



A.I. SMART MIRROR 32 inch

NEW

CSM-3200(S) (SLAVE)



- Control smart home devices with voice UX via A.I. speaker
- SIP, WiFi
- TCP/IP Communication
- Applicable for Household, Hotel, Retail outlets
- Android based UX
- Providing Full HD smart mirroring environment
- Convenience : News, Calendar, Public Notice
- Smart Home : Gas & Boiler and light extinguishment control
- Security : Emergency alarm, CCTV linked security and disaster prevention

Power source	AC 100V~240V, 50~60Hz
Display	32 inch TFT LCD (1080 x 1920 (Full HD))
Mount type	Flush-mounted type
Memory / RAM	16GB eMMC / 2GB DDR3
OS	Android
Network	Ethernet(10/100/1000 Base-T), Bluetooth, Wi-Fi (2.4GHz, 5GHz 802.11a/b/g/n/ac)
Mic / Speaker	Digital MEMS x 2 / 5W x 2
Camera	5M CMOS
Dimension(mm)	465(W)×845(H)×50(D)

A.I. HOME MIRROR 21.5 inch

NEW

CHM-2200 (MASTER)
CHM-2200(S) (SLAVE)



- Control smart home devices with voice UX via A.I. speaker
- Smart home device and sensor interworking by wire (485) and wireless (ZigBee)
- Frequently used functions are easily operated by buttons
- Door camera - video call, monitoring, door open / Lobby video call and door open / guard station call and talk
- Smart home control and video call through mobile App

Power source	DC 12V, 5A
Display	21.5 inch TFT LCD (1080 x 1920 (Full HD))
Mount type	Flush-mounted type
Memory / RAM	16GB eMMC / 2GB DDR3
OS	Android
Network	Ethernet(10/100/1000 Base-T), Bluetooth, Wi-Fi (2.4GHz, 5GHz 802.11a/b/g/n/ac), ZigBee
Mic / Speaker	Digital MEMS x 2 / 2W x 2
Camera	5M CMOS
Dimension(mm)	313.4(W)×600.4(H)×27.6(D)

MONITOR 13.3 inch

NEW

CSH-1400V



- Device control by voice command along with A.I. speaker (google)
- Recording function when motion is detected through the front door camera
- Weather, indoor temperature and humidity, smart plug information
- Entrance monitoring, call and door opening / Lobby call and door opening
- Connect to door camera with resolution up to AHD 2MP
- Connect to motion detection camera
- CCTV video check and save images

Power source	DC 14V
Display	13.3 inch LCD (1920 x 1080)
Mount type	Flush-mounted type
Memory / RAM	8GB eMMC / 2GB DDR3
OS	Android
Network	Ethernet(10/100/1000 Base-T)
Dimension(mm)	222(W)x402(H)x10.5(D)
Installation hole size(mm)	260(W)x350(H)x100(D)

A.I. MONITOR [ANSWER T] 10.1 inch

NEW

CAP-1001A (MASTER)
CAP-1000A (SLAVE)



- Google A.I. speaker interwork and voice recognition (CAP-1001A)
- Control smart home devices by voice recognition
- Connect to IoT devices
 - switch, curtain, blind, gas lock, power outlet and plug
- Opened door, temperature, humidity and motion detection
- Connects with smartphone
- Screen brightness optimized by lighting sensor

Power source	DC 12V
Display	10.1 inch IPS LCD (1280 x 800 (HD))
Mount type	Table type
Memory / RAM	16GB eMMC / 2GB DDR3
OS	Android
Network	Wi-Fi (2.4GHz, 802.11b/g/n), ZigBee (2.4GHz HA1.2), Bluetooth
Mic / Speaker	Digital MEMS x 2 / 10W FR X 2ch + Passive Radiator
Dimension(mm)	250(W)x210(H)x106.3(D)

DOOR CAMERA

CIOT-D20Y



- Door lock release (DC type)
- SIP-based VoIP system
- Touch button
- Digital Door lock connectable
- Indoor Unit
- Echo cancelling function

Power source	PoE S/W
Camera	2M pixel
Mount type	Wall-mounted type
Angle	120°
Protection class	IP54
Video codec	H.264
Dimension(mm)	108(W)x146(H)x28(D)

DOOR CAMERA

CIOT-D21M · D20M



CIOT-D20M CIOT-D21M

- Door lock release (DC Type)
- Acrylic cover (CIOT-D20M), Metallic cover (CIOT-D21M)
- Tact button (CIOT-D21M), Touch button (CIOT-D20M)
- SIP-based VoIP system
- Echo cancelling function

Power source	PoE S/W
Camera	2M pixel
Mount type	Wall-mounted type
Angle	120°
Protection class	IP54
Video codec	H.264
Dimension(mm)	112(W)x146(H)x28(D)

MONITOR 10.1 inch

NEW

CIOT-1000YN



Window Color
 Black smog
 White
Cover Color
 Dark silver
 White

- Google A.I. speaker interwork and voice recognition
- Automatic recording function (door camera motion detection)
- Connectable to both, wireless IoT devices (Zigbee) and wired devices(485)
- Smartphone integration through COMMAX IoT app
- Easy registration of door camera and CCTV through auto scan function
- Visitor storage function (32GB of external memory)

Power source	PoE S/W
Display	10.1 inch TFT LCD (1024 x 600)
Mount type	Wall-mounted type
Memory / RAM	16GB eMMC / 1GB DDR3
CPU	Quad core
OS	Android
Network	Wi-Fi 2.4Ghz, IEEE 802.15.4, Zigbee HA 1.2(Compatible)
Dimension(mm)	261(W)x184(H)x26(D)

MONITOR 7 inch

CIOT-700M2



- Google A.I. speaker interwork and voice recognition
- Automatic recording function (door camera motion detection)
- Connectable to both wireless IoT devices (Zigbee) and wired devices (485 or General type)
- Smartphone integration through COMMAX IoT app
- Easy registration of door camera and CCTV through auto scan function

Power source	PoE S/W
Display	7 inch TFT LCD (1024 x 600)
Mount type	Wall-mounted type
Memory / RAM	16GB eMMC / 1GB DDR3
CPU	Quad core
OS	Android
Network	Wi-Fi 2.4Ghz, IEEE 802.15.4, Zigbee HA 1.2(Compatible), Ethernet(SIP)
Dimension(mm)	244(W)x180(H)x18(D)

DOOR CAMERA

CIOT-D20P



- Vandal proof design
- Button LED
- 2 door open
- Waterproof(IP 67)
- SIP-based VoIP system
- Echo cancelling function

Power source	PoE S/W
Camera	2M pixel
Mount type	Wall-mounted type
Angle	90°
Protection class	IP67
Video codec	H.264
Dimension(mm)	59(W)x164(H)x42(D)

FACE RECOGNITION ENTRANCE STATION

NEW

CIOT-LBIO



- Facial recognition
- E-Key function(Connect a smartphone)
- Door open by RF card/password
- Able to post local advertisements
- BLE recognition

Power source	DC 14V
Display	10.1 inch TFT LCD
Camera	2M IP Camera(Wide angle 150°)
Mount type	Flush-mounted type
Angle	150°
CPU	Quad core
OS	Android
Dimension(mm)	260(W)x270(H)x26(50)(D)
Installation hole size(mm)	207(W)x217(H)

ENTRANCE STATION

CIOT-L20M2



Rainshield (option)

- Space blue ● Silver ● Dark gray
- Name searching through LCD display
- SIP-based VoIP system • TCP/IP Communication
- 2MP camera • BLE recognition • RFID card
- Used as a gate phone and lobby phone at barrier gate of parking • Motion Detection
- Elevator Call function (Connects to CCU-310EV)

Power source	DC 14V
Display	7 inch TFT LCD
Camera	2M pixel
Mount type	Flush-mounted type
Angle	120°
CPU	Dual core
OS	Android
Dimension(mm)	249(W)×256(H)×7(36)(D)
Installation hole size(mm)	210(W)×216(H)

ENTRANCE STATION

CIOT-L20MP



Rainshield (option)

- House call by household number
- Security office call enable
- Name searching through OLED display
- SIP-based VoIP system
- BLE recognition

Power source	DC 14V
Display	2.4 inch OLED
Camera	2M pixel
Mount type	Flush-mounted type
Angle	120°
CPU	Dual core
OS	Android
Dimension(mm)	130(W)×248(H)×12(23)(D)
Installation hole size(mm)	112(W)×211(H)

ENTRANCE STATION

CIOT-L7FM



Rainshield (option)

- House call by household number
- Security office call enable
- Name searching through LCD display
- SIP-based VoIP system
- BLE recognition

Power source	DC 14V
Display	7 inch TFT LCD
Camera	2M pixel
Mount type	Flush-mounted type
Angle	120°
CPU	Dual core
OS	Android
Dimension(mm)	130(W)×248(H)×12(23)(D)
Installation hole size(mm)	112(W)×211(H)

SIP GATEWAY

CGW-1 KM



- SIP user (unit) registration function (100 units)
- Control of emergency and event history management for SIP user
- Control of Access device (Lobby phone) by password and card

Power source	PoE S/W
CPU	Dual Core
RAM	DDR3 / 1GB
Flash	eMMC 4GB
OS	Linux
Network	SIP
Dimension(mm)	104(W)×94(H)×29(D)

4(8) PORT POE S/W

CIOT-H4L2 · H8L2



- 4(8)ch x 10/100Mbps port
- 4(8)ch x supporting network cable powering
- 4(8)ch x cascading LAN interfaces
- Built-in voltage-stabilized power

Power source	AC 100~240V, 50/60Hz
PoE output	DC 48~52V
Speed	4/8ch x 10/100Mbps
Wiring ports	UTP (70m)
Dimension(mm)	CIOT-H4L2 : 200(W)×120(H)×40(D) CIOT-H8L2 : 270(W)×180(H)×44(D)

SERVER

CHS-40DS/LS/BS



- COMMAX LINUX server based embedded system
- IP digital method housing install

CPU	Intel2 Xeon Processor E-2124 V8 (3.3GHz/8M)
Capacity	1,000 Households
RAM	16G DDR3 PC4-2400 ECC/REG 8G x 2EA
OS	Embedded Linux
HDD	1TB S-ATA3, 7200rpm, 64MB
Dimension(mm)	437(W)×594(H)×44(D)

ENTRANCE STATION

CIOT-L10M



Rainshield (option)

- Security office call enable
- Name searching through OLED display
- SIP-based VoIP system
- BLE recognition
- Registering RFID card

Power source	DC 14V
Display	2.4 inch OLED
Camera	2M pixel
Mount type	Flush-mounted type
Angle	120°
CPU	Dual core
OS	Android
Dimension(mm)	130(W)×248(H)×12(23)(D)
Installation hole size(mm)	112(W)×211(H)

ENTRANCE STATION

CIOT-24XM



Rainshield (option)

- Extension panel with name plate
- Call a household unit
- 24 button for house call

Power source	DC 14V
Mount type	Flush-mounted type
Dimension(mm)	130(W)×248(H)×12(23)(D)
Installation hole size(mm)	112(W)×211(H)

GUARD STATION

CIOT-G701M



- SIP-based VoIP system
- Emergency check and release
- House call and talk
- Saving visitors image & video clip(Main entrance)
- Check visitors at security office from the household monitor

Power source	DC 14V
Display	7 inch TFT LCD
Camera	VGA
Mount type	Desktop / Wall-mounted
OS	Android
Video codec	H.264
Dimension(mm)	252(W)×247(H)×33(D)

SERVER

CHS-60DS/LS/BS



- COMMAX LINUX server based embedded system
- IP digital method housing install

CPU	Intel2 Xeon 6generation E-2124 (Quad core(4) / 3.5GHz / 8MB)
Capacity	2,000 Households
RAM	16G DDR3 PC4-2400 ECC/REG
OS	Embedded Linux
HDD	1TB S-ATA3 6G, 7200rpm, 64MB x 2EA RAID
Dimension(mm)	437(W)×648(H)×89(D)

LAYER 3 SWITCH

CSS-24H3/DY



- Twenty 100/1000Base-X ports and four GE combo ports
- Subcards supported : 4x1000Base-X SFP subcard, 2x10GE SFP+ subcard and 4x10GE SFP+subcard

Downlink port	Twenty-four 10/100M electrical ports
Uplink port	2GE electrical ports 2GE SFP optical ports
MAC address table	8K MAC
Input voltage	AC100-240V, 50/60Hz
Power consumption	20W
Operating temp.	0°C~45°C
Dimensions(mm)	442(W)×44(H)×220(D)

LAYER 2 SWITCH

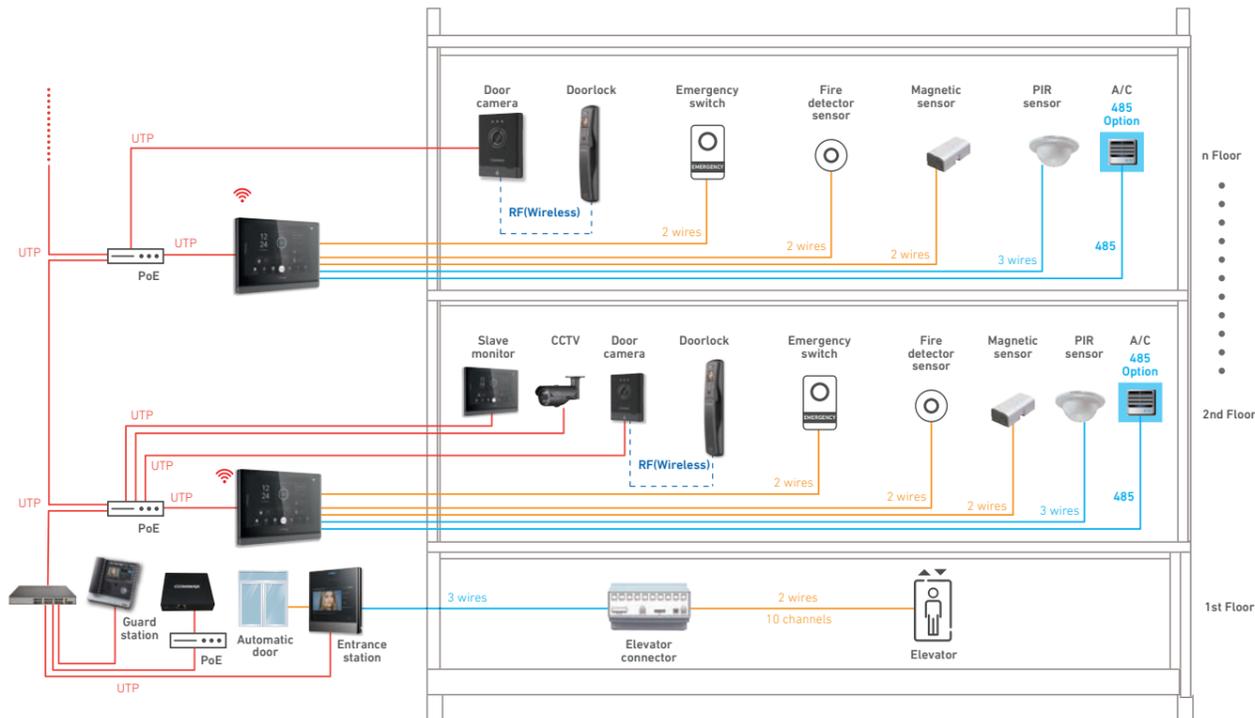
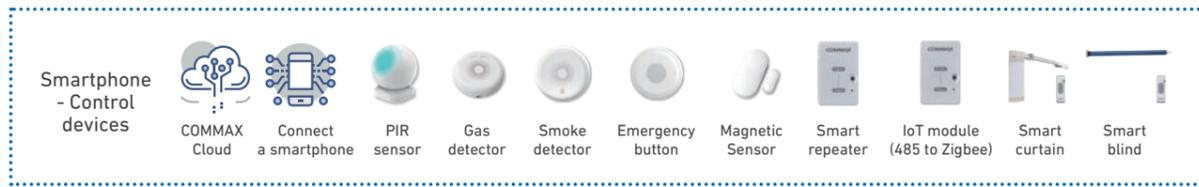
CSS-24H2/DY



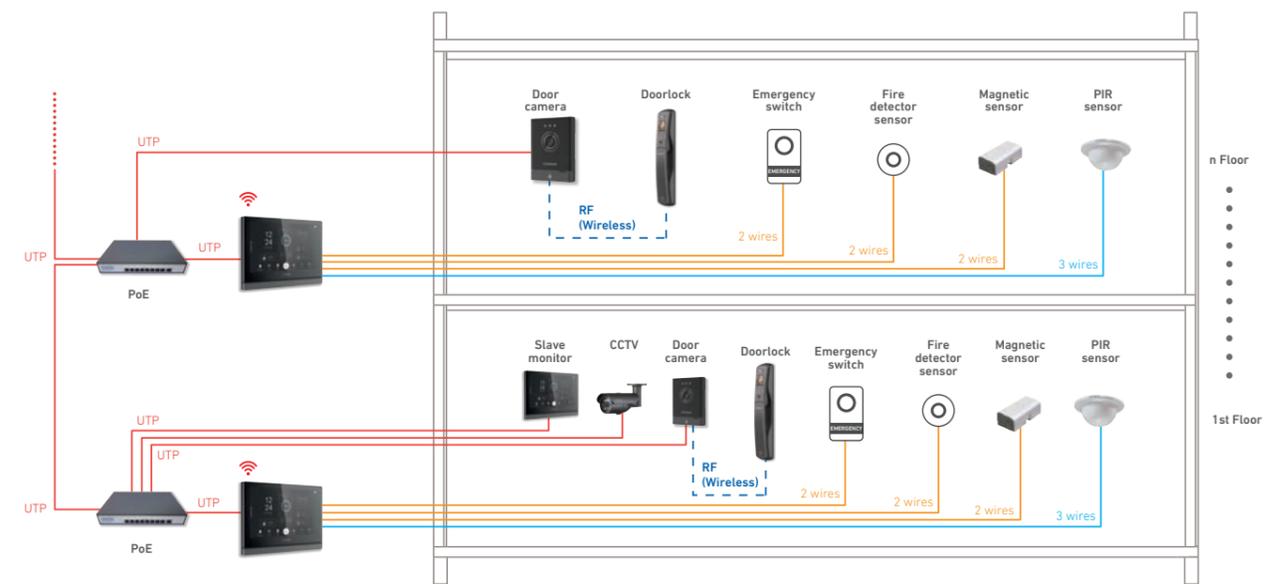
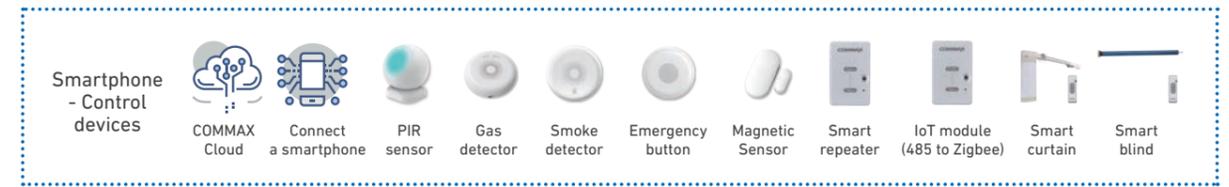
- Twenty-four 10/100M Ethernet electrical port
- Two GE RJ45 ports
- Two GE SFP port
- AC Power supply
- Packet forwarding rate : 9.6 Mpps
- Switching capacity : 12.8 Gbps

RAM	63W
Fixed port	20×100/1000Base-X ports and 4 Combo
Forwarding performance	96Mpps
Switching capacity	128Gbps
MAC address table	32K
Input voltage	AC 100-240V, 50/60Hz DC -48V~-60V
Dimension(mm)	442(W)×44(H)×420(D)

APARTMENT COMPLEX



SINGLE HOUSE



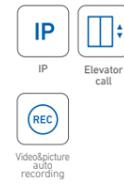
MONITOR CIP-710QP



- Case Color** ● Neo-Silver ● Gold
- Door open for entrance station
 - Full-touch display
 - AHD 1MP door camera
 - Security call
 - Emergency switch
 - Video recording
 - Image recording (Mini SD card 16GB)(option)

Power source	PoE S/W
Display	7 inch IPS LCD (1024 x 600)
Mount type	Wall-mounted type
Network	Ethernet(10/100 Base-T), RS485
Camera	Under AHD 1MP
Wiring ports	UTP (CAT.5e) /Door camera : 4 wires, RS-485 : 3 wires Digital door lock : wireless (RF-447), Sensor : 5 wires
Dimension(mm)	184(W)x171(H)x22(D)

MONITOR CIP-710M



- SIP based IP monitor
- AHD 1MP door camera
- DID function
- Guard and elevator call via RS-485 (Optional connecting CCU-310EV)
- Connecting security, emergency, PIR devices and a digital door lock

Power source	AC 100~240V(50~60Hz)(option) or DC 14V
Display	7 inch TFT LCD (1024 x 600)
Mount type	Wall-mounted type
Network	Ethernet(10/100 Base-T)
Camera	Under AHD 1MP
Wiring ports	Door camera : 4 wires, RS-485 : 3 wires, Sensor: 5 wires, Digital door lock : wireless(RF-447) Hub : UTP(CAT.5e), DC 12V Out : 2 wires
Dimension(mm)	244(W)x180(H)x22(D)

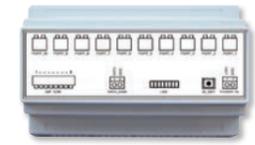
IP DISTRIBUTOR CCU-IPBUS



- BUS type(In/Out)
- Board for multi configuration(Need each house)
- 3 Port : Wall pad / Up Link / Down Link

Power source	DC 12V
Network	Ethernet(10/100 Base-T)
Wiring ports	Monitor/ Up Link/Down Link : UTP(CAT.5e)
Distance	Hub : 100m(UTP)
Dimension(mm)	44(W)x77(H)

ELEVATOR CONNECTOR CCU-310EV



- Able to call from Entrance station and Monitor (Lobby mode / Unit mode)
- Unit mode : Able to set up to 630 units or 80 floors
- Lobby mode : Able to set up to 89 Entrance stations

Power source	DC 12V
Mount type	Wall-mounted type, DIN rail type
Wiring	DATA : 2 wires Elevator S/W : 2 wires x 10ports
Distance	1km (0.65Ø)
Dimension(mm)	157(W)×86(H)×59(D)

ENTRANCE STATION CIOT-L20M2



Rainshield(option)

- Case Color** ● Space blue ● Silver ● Dark gray

- SIP-based VoIP system
- BLE recognition
- TCP/IP Communication
- RFID card
- Motion detection
- Elevator call function(Connects to CCU-310EV)

Power source	DC 14V
Display	7 inch TFT LCD (800 x 480)
Camera	2MP camera
Mount type	Flush-mounted type
Wiring	LAN(Cat.5e)
Operation Temp	-20°C~+50°C
Dimension(mm)	249(W)×256(H)×7(36)(D)
Installation hole size(mm)	210(W)×216(H)
Fill up box size(mm)	220(W)×240(H)×81(D)

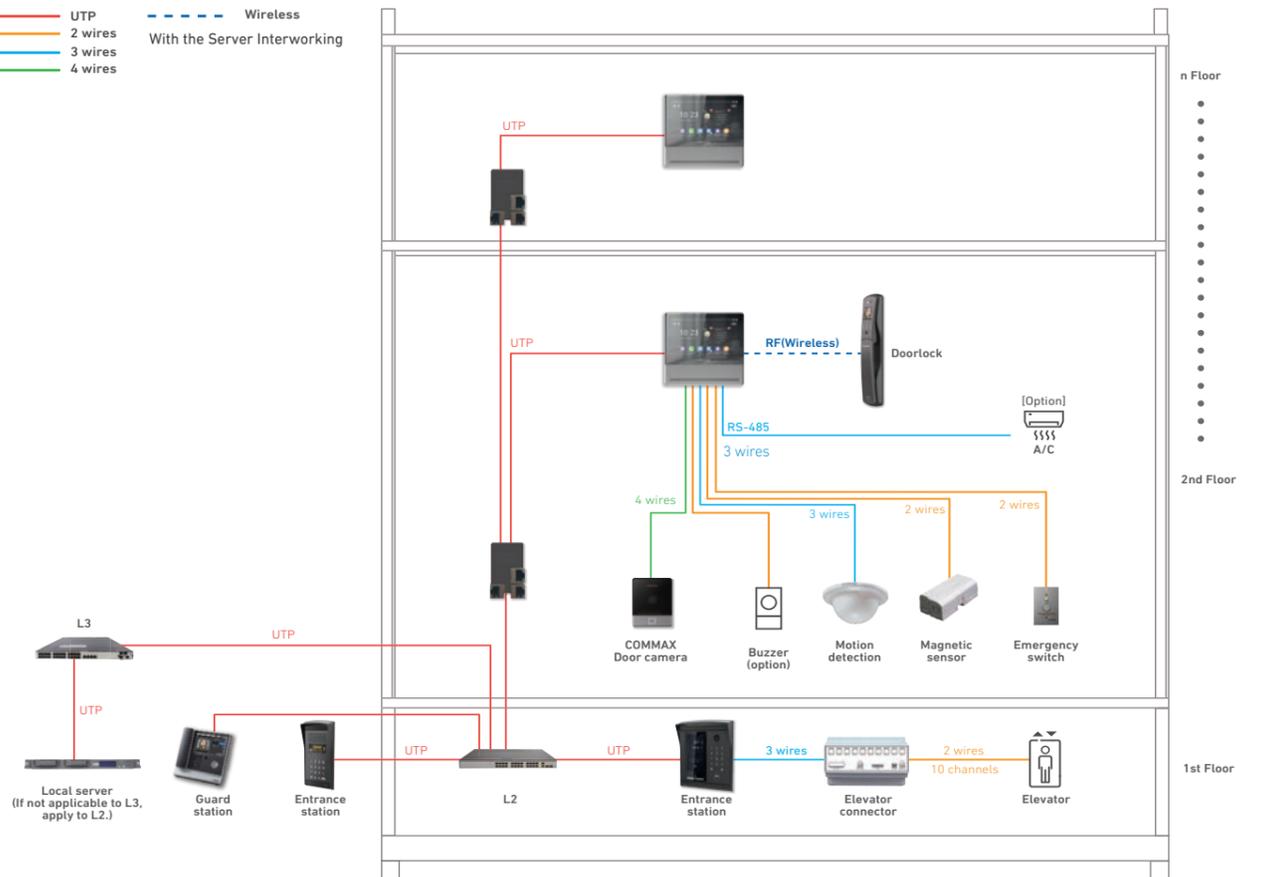
GUARD STATION CIOT-G701M



- SIP-based VoIP system
- Emergency check and release
- House call and talk
- Recording visitors image & video clip(Main entrance)
- Visitor monitoring and calling at the public entrance
- Check security office visitors on the household monitor(CIOT-G701M)

Power source	DC 14V
Display	7 inch TFT LCD
Mount type	Desktop / Wall-mounted type
Camera	VGA
OS	Android
Video codec	H.264
Dimension(mm)	252(W)×247(H)×33(D)

APPLICATION | IP SOLUTION - APARTMENT COMPLEX



GATE VIEW IoT

GATE VIEW IoT is optimized for small and medium sized apartment and condo, complex. It provides a safer and more convenient environment. Control it anytime and anywhere by a smartphone.



MONITOR

CAV-1000QGX · 1001QGX

NEW



Case Color ● Neo-Silver ● Gold

- Google A.I. platform interwork and voice recognition
- Connectable to both wireless IoT devices(Zigbee) and wired devices(RS-485 or General type) • SD card(32GB)
- Smartphone integration through COMMAX App (Door & lobby call, door open, device control, status monitoring, push notifications)
- Real-time CCTV monitoring through DVR
- Connecting up to 1MP camera
- Elevator call function (optional by connecting CCU-310EV)
- Automatic recording function(motion detection)
- RJ45 port plug for easy wiring

Power source	1000QGX : DC 14V / 1001QGX : AC 100~240V, 50/60Hz
Display	10.1 inch IPS LCD (1280 x 800)
Mount type	1000QGX : Flush-mounted / 1001QGX : Wall-mounted
OS	Android
Wiring ports	Door camera : 4 wires or 8 wires(only motion detecting), RS-485 : 3 wires, Lobby/Security : 8 wires(UTP type 2 Port) Motion detecting : 3 wires, Slave : 8 wires, Emergency : 2 wires, Digital door lock : 4 wires (Power 2 wires, Opening short : 2 wires)
Distance	Door camera : 28m(Ø0.5) Lobby : 300m(Ø0.5) Security : 1km(Ø0.65)
Dimension(mm)	CAV-1000QGX : 250(W)×210(H)×10.8(14.8)(D) CAV-1001QGX : 250(W)×210(H)×22(D)

MONITOR

CAV-70QGX

NEW



Case Color ● Neo-Silver ● Gold

- Google A.I. platform interwork and voice recognition
- Connectable to both wireless IoT devices(Zigbee) and wired devices(RS-485 or General type) • SD card(32GB)
- Smartphone integration through COMMAX App (Door & lobby call, door open, device control, status monitoring, push notifications)
- Real-time CCTV monitoring through DVR
- Connecting up to 2MP camera
- Elevator call function (optional by connecting CCU-310EV)
- Automatic recording function(motion detection)
- RJ45 port plug for easy wiring

Power source	AC 100-240V, 50/60Hz
Display	7 inch IPS LCD (1024 x 600)
Mount type	Wall-mounted type
OS	Android
Wiring ports	Door camera : 4 wires or 8 wires(only motion detecting), RS-485 : 3 wires, Lobby/Security : 8 wires(UTP type 2 Port) Motion detecting : 3 wires, Fire emergency : 2 wires, Digital door lock : 4 wires(Power 2 wires, Opening short : 2 wires)
Distance	Door camera : 28m(Ø0.5) Lobby : 300m(Ø0.5) Security : 1km(Ø0.65)
Dimension(mm)	184(W)×171(H)×23(D)

DOOR CAMERA DRC-40QFD · 40QHD

NEW

1MP
1mega pixel

2MP
2mega pixel



- Built in illumination sensor and white LED
- House call and talk
- RJ45 port plug for easy wiring

Power source	DC 12V (From a monitor)
Camera	DRC-40QFD : AHD 2MP DRC-40QHD : 1MP
Mount type	Flush-mounted type
Wiring	4 wires
Angle	Horiz. : 75°, Vertical : 55° (Adjustable)
Dimension(mm)	110(W)x131(H)x13.5(D)

DOOR CAMERA DRC-40QFM · 40QHM

NEW

1MP
1mega pixel

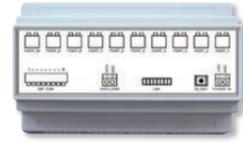
2MP
2mega pixel



- Motion detection camera for Gateview IoT monitor
- Built in illumination sensor and white LED
- House call and talk
- Volume control
- RJ45 port plug for easy wiring

Power source	DC 12V (From a monitor)
Camera	DRC-40QFM : AHD 2MP DRC-40QHM : 1MP
Mount type	Flush-mounted type
Wiring	8 wires
Angle	Horiz. : 75°, Vertical : 55° (Adjustable)
Dimension(mm)	110(W)x131(H)x13.5(D)

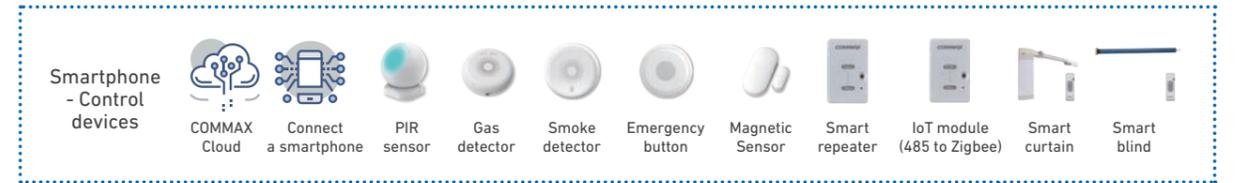
ELEVATOR CONNECTOR CCU-310EV



- Able to call from Entrance station and Monitor (Lobby mode / Unit mode)
- Unit mode :
Able to set up to 630 units or 80 floors
- Lobby mode :
Able to set up to 89 Entrance stations

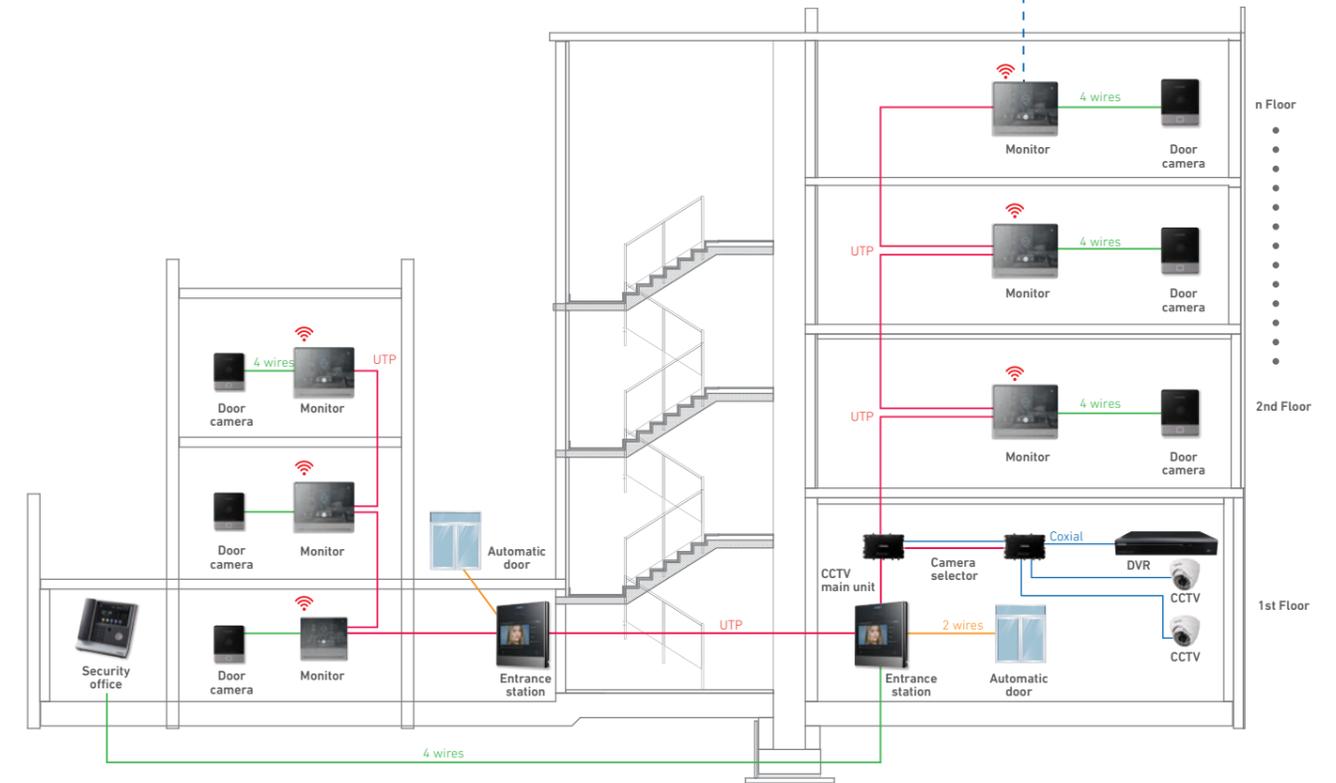
Power source	DC 12V
Mount type	Wall-mounted type, DIN rail type
Wiring	DATA : 2 wires Elevator S/W : 2 wires x 10ports
Distance	1km (0.65Ø)
Dimension(mm)	157(W)×86(H)×59(D)

APPLICATION | GATE VIEW IoT



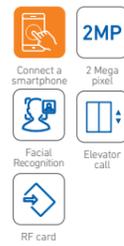
Coaxial
UTP
2 wires
3 wires
4 wires

Wireless
Wi-Fi



FACE RECOGNITION ENTRANCE STATION DRC-BIOL(N)

NEW



- Facial recognition
- Door open by BLE, RFID, Password (BLE : Smartphone App)
- Call a household unit or a security guard station
- Elevator call (Optional connecting CCU-310EV)

Power source	DC 14V
Display	10.1 inch TFT LCD
Camera	2M IP Camera(Wide angle 150°)
Mount type	Flush-mounted type
Angle	150°
CPU	Quad core
OS	Android
Dimension(mm)	249(W)×256(H)×7(36)(D)
Installation hole size(mm)	210(W)×216(H)

GUARD STATION CDS-70ML

NEW



- GUI touch screen
- Video call & Opening door
- Recording missed
- Volume control
- Secumax connection

Power source	DC 14V
Display	7 inch TFT LCD
Mount type	Desktop
Wiring	Video phone : 8 wires External call : 18 wires Extend external call : 18 wires (option)
Distance	Voice : 1km (0.65Ø), Video : 300m
Dimension(mm)	252(W)×247(H)×33(D)

IoT Devices

IoT devices will help you to make a different lifestyle.
More safety and more convenience.
Turn on/off the lights and make the best condition
with your smartphone whenever where you are.



IoT SENSOR (TEMP./HUMIDITY) CIS-ZTH02



- Integrated service with IoT Monitor
- To sense temperature and humidity in real time over the range (Tolerance(Temperature/humidity) : $\pm 0.5^{\circ}\text{C} / \pm 5\%$)
- To send information to Monitor and Gateway

Power source	DC 3V(AA x2 battery)
Mount type	Wall-mount(Adhesive tape)
Network	Zigbee (2.4 GHz)
Wiring	Wireless
Distance	50m(without any obstruction)
Operation temp.	-10°C ~ 55°C
Dimension(mm)	Ø61.2x23

IoT PIR SENSOR CIS-ZP02



- Integrated service with IoT Monitor
- To detect motion within the range (able to check from Monitor)
- To interact with Monitor for away & prevention mode

Power source	DC 3V(CR123A battery)
Mount type	Wall-mount(Adhesive tape & Magnetic)
Network	Zigbee (2.4 GHz)
Wiring	Wireless
Distance	50m(without any obstruction)
Operation temp.	-10°C ~ 55°C
Dimension(mm)	Ø48x53.2

IoT GAS DETECTOR CIS-ZGD01



- Integrated service with IoT Monitor
- Real time gas leak detection
- To generate emergency sounds(72dB) and information to monitor & gateway
- To detect neutral gas leak in real time (8% LEL \pm 3% LEL)

Power source	DC 12V, 100mA_waiting (separate adaptor)
Mount type	Wall-mounted type
Network	Zigbee (2.4 GHz)
Wiring	Wireless
Distance	50m(without any obstruction)
Operation temp.	-10°C ~ 55°C
Dimension(mm)	Ø86x29.6

IoT SMOKE DETECTOR CIS-ZSD01



- Integrated service with IoT Monitor
- Real time smoke detection
- To generate emergency sounds and information to monitor & gateway (When smoke leakage is detected)

Power source	DC 12V
Mount type	Wall-mount(Adhesive tape)
Network	Zigbee (2.4 GHz)
Wiring	Wireless
Distance	50m(without any obstruction)
Operation temp.	-10°C ~ 55°C
Dimension(mm)	Ø90x37

IoT EMERGENCY BUTTON CIA-ZEB02



- Integrated service with IoT Monitor
- To send emergency signal to monitor & gateway

Power source	DC 3V(CR2032 battery)
Mount type	Wall-mount(Adhesive tape)
Network	Zigbee (2.4 GHz)
Wiring ports	Wireless
Distance	50m(without any obstruction)
Operation temp.	-10°C ~ 55°C
Dimension(mm)	Ø50x16

IoT MAGNETIC SENSOR CIS-MD02



- Integrated service with IoT Monitor
- Window status detection - Open / Close (With in 25mm)
- To interact with monitor for away & prevention mode

Power source	DC 3V(CR2032 battery)
Mount type	Wall-mount(Adhesive tape)
Network	Zigbee (2.4 GHz)
Wiring ports	Wireless
Distance	50m(without any obstruction)
Operation temp.	-10°C ~ 55°C
Dimension(mm)	Main : 26.5x52.5x13.5 Slave : 12.5x25.5x13.5

IoT MAGNETIC SENSOR CIS-MD01



- Integrated service with IoT Monitor
- Door open detection
- Low power consumption
- Zigbee communication support

Power source (Battery)	3V Lithium Cell (CR2032), 2EA
Sensing mode	Magnetic
Installation	Indoor
Operating time	2 Years(50 Times/a day)
Network	IEEE 802.15.4, Zigbee HA 1.2(Compatible)
Dimension(mm)	Sensor : 35(W)x55(H)x16(D) Magnetic : 11(W)x55(H)x16(D)

IoT SMART BLIND CIA-ZKB01



- Integrated service with IoT Monitor
- Smart Mirror via 485 to ZigBee module
- Wired connection with Monitor is available via 485 port
- Multiple Smart Blind control
- Powerful performance and noiseless design

Power source	AC 100~250V, 50~60MHz
Output power	107W
Motor speed	24rpm (Torque 8/N.M)
Motor diameter	35mm
Receiver	Embedded Type
Position set	4 different positions
Protocol	RS-485, Dry Contact, FM Two-way RF
Max. weight	23.8kg / Single
Environment	Indoor Use

* Blind is not included.

IoT SMART CURTAIN CIA-ZKC03



- Integrated service with IoT Monitor
- Curtain open, close & stop function
- Smart mirror via 485 to Zigbee module
- Wired connection with Monitor is available via 485port

Power source	AC 90 - 250V, 50/60Hz
Power consumption	Standby : 1.7W, Operation : 35W
Max. weight (Curtain)	35kg
Max. Rail length	10m
Operating temp.	-10°C~50°C
Protocol	IEEE 802.15.4, Zigbee HA 1.2(Compatible) RS-485

* Curtain is not included.

IoT WATER DETECTOR

CIS-ZW02



- Integrated service with IoT Wallpad
- Real time water leak detection with IP 66 rate
- Alarm alerts through Monitor and Gateway

Power source	DC 3V(CR2032 battery)
Mount type	Wall-mount(Adhesive tape)
Network	Zigbee (2.4 GHz)
Wiring ports	Wireless
Distance	50m(without any obstruction)
Operation temp.	-10°C ~ 55°C
Dimension(mm)	∅44.8x14

IoT SMART REPEATER

CIA-ZRT02



- Integrated service with IoT Monitor
- Able to register each devices from Monitor
- Extension of Zigbee wireless section and Zigbee data relay

Power source	DC 5V (Micro USB type)
Operating temp.	0°C~+50°C
Network	IEEE 802.15.4, Zigbee HA 1.2(Compatible)
Dimension(mm)	35(W)x55(H)x16(D)

IoT LIGHT SWITCH

CIA-ZES0A, ZES01~ZES03



- Intergrated service with IoT Monitor
- Bulk light control / Light control
- Real time status feedback
- Overload protection • Wireless
- Sensitive touch control
- Zigbee communication support

Power source	90V~250V, 50Hz~60Hz
Output	CIA-ZES0A : 4000W/16A CIA-ZES01~ZES03 : 550W/3A(Each Button)
Network	IEEE 802.15.4, Zigbee HA 1.2(Compatible)
Dimension(mm)	90(W)x90(H)x11(43)(D)

IoT MODULE (485 TO ZIGBEE)

CIM-52Z01



- Integrated service with IoT Monitor
- Zigbee communication support (RS-485 to Zigbee)
- Low power consumption

Power source	DC 5V (Micro USB type)
Network	IEEE 802.15.4, Zigbee HA 1.2(Compatible) RS-485
Dimension(mm)	35(W)x55(H)x16(D)

IoT SENSOR (TEMP./HUMIDITY SENSOR)

CIS-ZTH01



- Integrated service with IoT Monitor
- Temperature and humidity measurement
- Flashes LED when battery is low
- Attachment type

Power source	CR2032 2EA, 3V
Temperature measurement range	-40°C~+125°C (±2°C)
Humidity measurement range	0~100%RH (±4.5%RH)
Network	IEEE 802.15.4, Zigbee HA 1.2(Compatible)
Dimension(mm)	35(W)x55(H)x16(D)

IoT GAS VALVE BREAKER

CIA-GL03



- Integrated service with IoT Monitor
- Gas valve locking
- Timer function
- Includes display for time confirmation
- Zigbee communication support

Power source	DC 6V (4 AA Batteries)
Sensing temp.	More than 3 minutes at 65°C
Blocking method	Motor Drive Method / Automatic
Blocking time	Within 5 seconds
Action notification	Beep Sound
Network	IEEE 802.15.4, Zigbee HA 1.2(Compatible)
Dimension(mm)	68(W)x136(H)x65(D)

IoT IR SENSOR

CIA-ZIR02



- Able to register IR device
- Zigbee communication support
- Able to control air conditioner Power & Temperature (With a variety of air conditioner manufactures)

PIR SENSOR

CPA-4012



- Infrared ray energy sensor
- Normal operation enabled after 30 seconds from power on
- Indoor use only
- Wall mounted type

MAGNETIC SENSOR

MS-10



- Magnetic type sensor
- Indoor use only
- Door/Window frame wall-mounted type

IoT PIR SENSOR

CIS-PM01



- Integrated service with IoT Monitor
- Motion detection
- Temperature & Humidity detection
- Low power consumption
- Zigbee communication

PIR SENSOR

CPA-0212



- Mirror-type infrared sensor
- Detects infrared rays from 7um~15umz
- Indoor use only
- Ceiling mounted type

IoT PIR SENSOR

CIS-ZP01



- Integrated service with IoT Monitor
- Motion detection
- Low power consumption
- Zigbee communication

PIR SENSOR

CPB-30S · 10S



- Minimum reflection
- Wide range of adjustment
- IP44 compliance
- Suitable for both, indoor and outdoor installation

Apartment / Villa / Office / Townhouse
- 300 to 400 households

GATE VIEW

GATE VIEW is optimized for small and medium sized apartment and apartment complexes. It provides a safer and more convenient environment.



MONITOR

CAV-70YG



Window Color

- Black smog
- White

Cover Color

- Dark silver
- White
- Pink gold

- Guard call & talk
- Elevator call function
- Monitoring & calling visitors and releasing door lock (public entrance, individual entrance)

Power source	AC 100-240V, 50/60Hz
Display	7 inch TFT LCD
Mount type	Wall-mounted type
Wiring	Door camera : 4 wires / Lobby : 8 wires
Consumption	Max.15W
Distance	Lobby to final monitor : 300m Monitor to door camera : 30m (CAT.5e)
Dimension(mm)	265(W)×184(H)×22(D)

MONITOR

CAV-43YG



- Guard call & talk
- Monitoring & calling visitors and releasing door lock (public entrance, individual entrance)

Power source	AC 100-240V, 50/60Hz
Display	4.3 inch TFT LCD
Mount type	Wall-mounted type
Wiring	Door camera : 4 wires / Lobby : 8 wires
Consumption	Max.12W
Distance	Lobby to final monitor : 300m Monitor to door camera : 30m (CAT.5e)
Dimension(mm)	184(W)×171(H)×24(D)

FACE RECOGNITION ENTRANCE STATION DRC-BIOL(N)

NEW



- Door open via Face recognition, BLE (COMMAX IoT app, ONE KEY), RF card, Password, house call, guard call
- Elevator call (Optional connecting CCU-310EV) • BLE recognition

Power source	DC 14V
Display	10.1 inch TFT LCD
Mount type	Flush-mounted type
Wiring	UTP CAT.5E (8 wires)
Distance	Max.300m (From Entracne station to final household)
Angle of view	150°
Operating temp.	-20°C~+50°C
Dimension(mm)	249(W)×256(H)×7(36)(D)
Installation hole size(mm)	207(W)×217(H)

ENTRANCE STATION DRC-707LC · 707LCB

NEW



- Door open via BLE (COMMAX IoT app, ONE KEY), RF card, Password, house call, guard call
- BLE function model (DRC-707LCB)
- Elevator call (Optional connecting CCU-310EV)

Power source	DC 14V
Display	7 inch TFT LCD
Mount type	Flush-mounted type
Wiring	UTP(CAT.5e) & Coaxial (Household 8 wires, security 8 wires)
Distance	Max.300m (From Entracne station to final household)
Angle of view	Horiz. 81°, Vert. 66°
Operating temp.	-20°C~+50°C
Dimension(mm)	244(W)×270(H)×19(47)(D)
Installation hole size(mm)	210(W)×216(H)

ENTRANCE STATION

DRC-10MP/RF1



Rainshield (option)

PARKING CONTROL and COMMUNITY LOBBY

- Door open via BLE (Smartphone app), RF card, Password, house call, guard call
- Available for parking gate station and community facility station
- Elevator call (Optional connecting CCU-310EV)
- BLE recognition

Power source	DC 12V
Display	2.4 inch OLED
Mount type	Flush-mounted type
Wiring	UTP(CAT. 5e)
Distance	Max.300m (From Entracne station to final household)
Angle of view	Horiz. : 58°, Vert.: 49°
Operating temp.	-20°C~+50°C
Dimension(mm)	130(W)×249(H)×50(D)
Installation hole size(mm)	210(W)×216(H)

AUDIO PHONE

AP-3SG



- Talk and door lock release enabled (both individual and public entrance)
- Security office call enabled

Power source	AC 100~240V, 50/60Hz
Mount type	Wall-mount type
Wiring	Door unit : 3 wires Lobby : 6 wires
Min. Illumination	0.1Lux (up to 300mm)
Dimension(mm)	130(W)×315(H)×10(D)
Installation hole size(mm)	110(W)×286(H)

GUARD STATION

CDS-70ML

NEW

GUARD STATION

CDS-4GS



- Video call & Opening door (Lobby call)
- GUI Touch screen
- Recording miss call
- Household call
- Parcel management
- Secumax connection

Power source	DC 14V
Display	7 inch TFT LCD
Mount type	Desktop
Wiring	Guard to Lobby : 6 wires External call : 18 wires Extend external call : 18 wires (option)
Distance	Voice : 1km (0.65Ø), Video : 300m
Dimension(mm)	252(W)×247(H)×33(D)

- Audio call & Opening door (Lobby call)
- Household call

Power source	DC 12V (Adpator excl.)
Power consumption	Max. 2W
Mount type	Wall-mounted type / Desktop
Wiring ports	Guard to Lobby : 4 wires
Distance	1km (From guard to final household)
Dimension(mm)	196(W)×130(H)×51(D)

DISTRIBUTOR

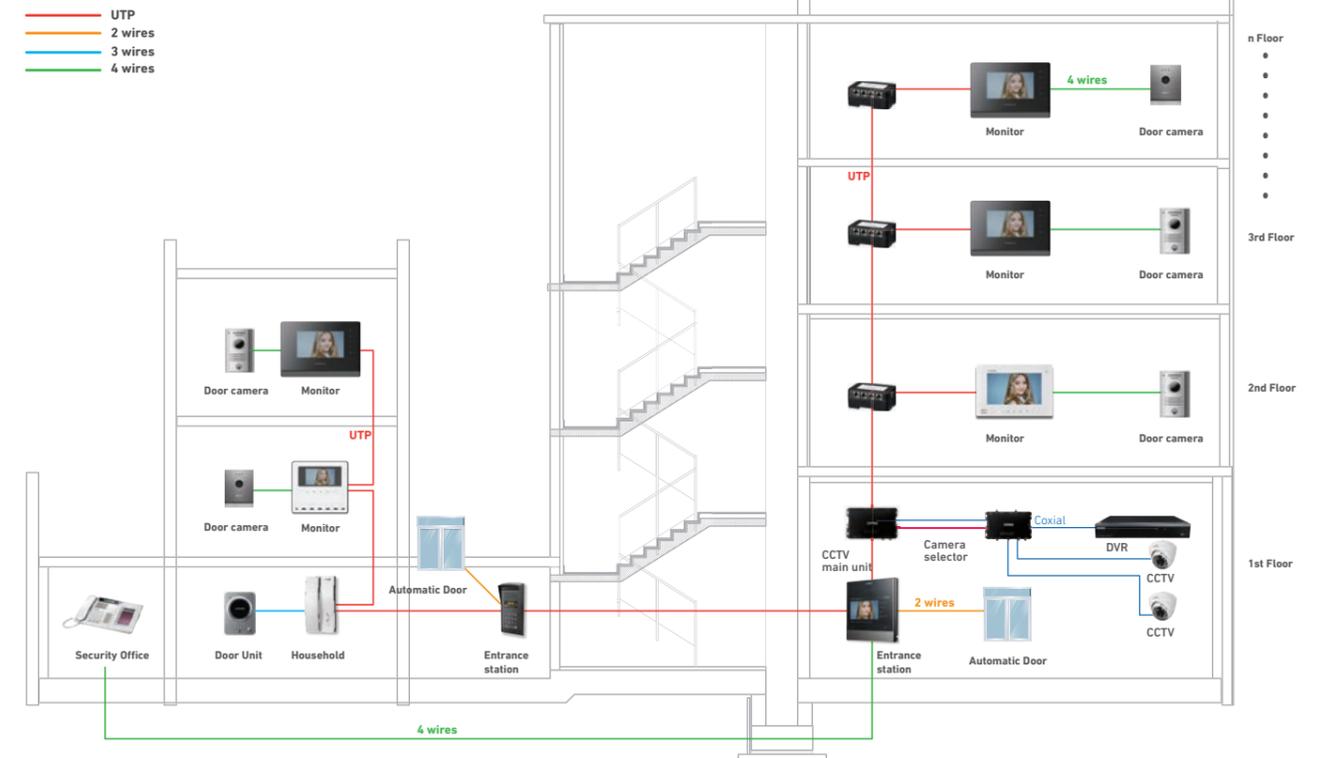
CCU-4GF



- Enables "STAR" wiring method for Gate View monitor connections
- CCU-4GF-to-CCU-4GF enabled to expand up to 40 units limited to 300 meters

Power source	DC 12V
Transmission	Lobby 8 Lines(Polarity) (RJ45 CAT.5e Patch Cable)
Distance	Max. 300m (Possible to connect Max 40 units)
Dimension(mm)	106(W)×76(H)×44(D)

APPLICATION | GATE VIEW



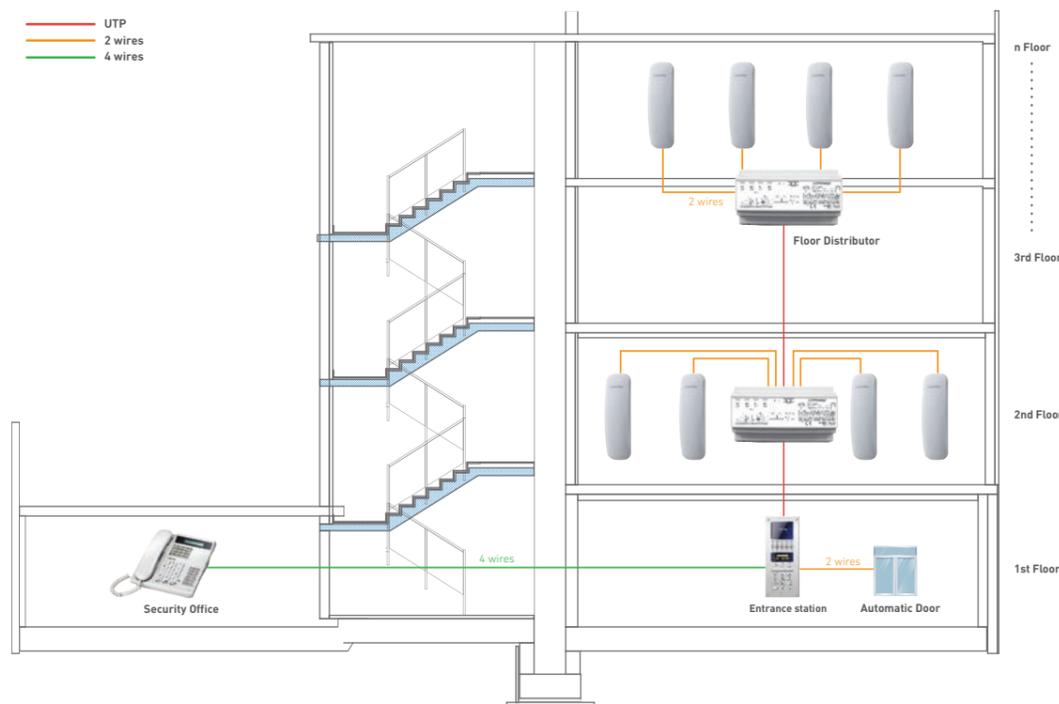
Apartment, Condominium - less than 3,000 households

AUDIO GATE SYSTEM (2 WIRES & UTP)

AUDIO GATE SYSTEM is optimized for multi-complex apartments, condos, and buildings. Also, it provides a simple installation and is easily expanded.



APPLICATION | AUDIO GATE SYSTEM (2 WIRES & UTP)



DOORPHONE

AP-2RAG



- 2 wire connection with non-polarity from a floor distributor
- Talk with a visitor and door lock release enable

Power source	From floor distributor
Wiring ports	2 wires with non-polarity
Distance	100m (0.65Ø)
Operating temp.	0°C~40°C
Dimension(mm)	70(W)x210(H)x60(D)

ENTRANCE STATION

DR-2GS



- Entrance station for only Guard call (Enhanced security station)
- Vandal proof
- Guard call and door open only via guard

Power source	DC 12V (from Guard Phone)
Mount type	Wall-mounted type
Operating temp.	-10°C~50°C
Wiring ports	6 wires
Dimension(mm)	87(W)x120(H)x20(D)

ENTRANCE STATION

DR-2AG/RF1



- Door open via RF card, Password, house call, guard call
- Vandal proof

Power source	DC 12V
Mount type	Flush-mounted type
Operating temp.	-10°C~50°C
Wiring ports	Lobby phone-to-floor distributor : 1 UTP Household unit-to-floor distributor : 2 wires
Dimension(mm)	130(W)x315(H)x10(38)(D)

FLOOR DISTRIBUTOR

CCU-204AGF · 208AGF



- 2 wire connection with non-polarity
- Provides the power to each household units
- 1UTP cabling between floor distributors

Power source	DC 24V (Adaptor excl.)
Port	4 / 8 channel (Connectable with 2 wire Audio phone up to 4/8ea)
Wiring ports	-Lobby panel-to-Floor distributor : UTP -Household unit-to-Floor distributor : 2 wires -Floor distributor-to-Floor distributor : UTP

FLOOR DISTRIBUTOR

CCU-216AGF · 232AGF



- 2 wire connection with non-polarity
- Provides the power to each household units
- 1UTP cabling between floor distributors

Power source	DC 24V (Adaptor excl.)
Port	16 / 32 channel (Connectable with 2 wire Audio phone up to 16/32 ea)
Wiring ports	-Lobby panel-to-Floor distributor : UTP -Household unit-to-Floor distributor : 2 wires -Floor distributor-to-Floor distributor : UTP

GUARD STATION

CDS-2AG



- Household unit call
- Lobby phone call
- CID function for a calling household identification
- 1UTP cabling for a simple installation from floor distributor

Power source	DC 12V
Mount type	Desktop
Wiring ports	Building distributor-to-Guard Station : UTP
Distance	Max. 1km
Dimension(mm)	230(W)x200(H)x35(D)

SMART DOOR LOCK

SMART DOOR LOCK is an access control system with proven safety, usability and leading design for your home security.



FACE RECOGNITION DOOR LOCK

CDL-88PBio



- Premium Biometric Push-Pull Doorlock
- High quality premium BAR type push-pull design
- Register 100 Users with 6-way access methods (Face recognition, RF Card, Pin number, Fingerprint, Mechanical Key, Connected Monitor(option))
- 2.4 inch LCD display • Emergency power(Micro USB 5V)
- Automatically detect when a person approaches and power on (CDL-88PBio(IR))

Applicable	Normal fire door	Thickness 40mm ~ 80mm
Access methods	Pin number (Face recognition unit)	6~8 digit number combination (1 pin number per 100users)
	Pin number (Number plate)	4~12 digit number combination (Up to 4 pin number)
	RF card	Up to 100 cards (1 Rf Card per 100 users)
	Mechanical Key	Individual mechanical lock
	Fingerprint	Up to 100 Fingerprints
Power source	DC 6V	Alkaline AA battery 8pcs (LR6 1.5V AA size)
Type of product	Fireproof type, Temperature sensor type, Key type, Master key door lock	
Temp. alarm	Temperature sensor 60 degree ± 10 degree	
Option	Monitor Remote module(447.275Mhz)	
Dimension(mm)	90(W)x455(H)x55(D)	

FACE RECOGNITION DOOR LOCK

NEW

CDL-710MPBio



- Convenient face authentication door opening function
- No worries about password guessing with the imaginary number function!
- Easy, no-tap installation
- It's convenient to let you know when to replace the battery in advance
- Prevention of intrusion through prank prevention and intrusion detection
- High temperature detection sensor functions such as fire
- Emergency power(Micro USB 5V C type(optional))
- Out-body handles can only be operated by pulling, In-body handles can only be operated by pushing.

Applicable	Normal fire door	Thickness 40mm ~ 50mm
Access methods	Pin number	4~12 digit number combination (Up to 4 pin number)
	RF card	Up to 30 cards
	Face recognition	Up to 50 Face recognition
Power source	DC 6V (Alkaline AA battery 4pcs (LR6 1.5V AA size))	
Temp. alarm	Temperature sensor (60 degree ± 10 degree)	
Option	Monitor Remote module(447.275Mhz)	
Dimension(mm)	96(W)x228(H)x49(D)	

FACE RECOGNITION DOOR LOCK

CDL-3PRBio



Facial Recognition



Palm Recognition



RF card



BLACK RED BLACK GOLD BROWN

- Biometric Push-Pull Doorlock
- Register 100 Users with 5-way access methods (Face recognition, RF Card, Pin number, Mechanical Key)
- 2.8 inch LCD display and Emergency power (9V square battery)

Applicable	Normal fire door	Thickness 40mm ~ 60mm
Access methods	Pin number (Face recognition unit)	6~8 digit number combination (1 pin number per 100users)
	Pin number (Number plate)	4~12 digit number combination (Up to 4 pin number)
	RF card	Up to 100 cards (1 Rf Card per 100 users)
	Mechanical Key	Individual mechanical lock
Power source	DC 6V	Alkaline AA battery 8pcs (LR6 1.5V AA size)
Type of product	Fireproof type, Temperature sensor type, Key type, Master key door lock	
Temp. alarm	Temperature sensor (60 degree ± 10 degree)	
Option	Monitor Remote module(447.275Mhz)	
Dimension(mm)	72(W)x377(H)x80(D)	

SMART DOOR LOCK

CDL-260P

NEW



RF card



Fingerprint Recognition



- 3rd Generation Design Strategic Pushpull Digital Door Lock
- 4 way door opening (easy opening with fingerprint)
- No worries about password guessing with the imaginary number function!
- Sound settings and manner mode to be considerate of family and neighbors
- Prevention of intrusion through prank prevention and intrusion detection
- High temp. detection, alert and automatic unlocking

Applicable	Normal fire door	Thickness 40mm ~ 60mm
Access methods	Pin number (Number plate)	4~12 digit number combination (Up to 4 pin number)
	RF Card	Up to 30 cards
	Fingerprint	Up to 100 Fingerprints
	Mechanical Key	Individual mechanical lock
Power source	DC 6V (Alkaline AA battery 8pcs (LR6 1.5V AA size))	
Type of product	Fireproof type, Temperature sensor type, Key type, Master key door lock	
Temp. alarm	Temperature sensor (60 degree ± 10 degree)	
Option	Monitor Remote module(447.275Mhz)	
Dimension(mm)	83(W)x385(H)x67(D)	

PREMIUM DOOR LOCK

CDL-88PB · 88P



Connect a smartphone (CDL-88PB)



Fingerprint Recognition



RF card



BROWN SILVER BLACK SILVER BLACK GOLD

- High quality premium BAR type push-pull design
- 5 WAY Access methods (RF card, Pin number, Fingerprint, Mechanical key, Connected Monitor(option))
- Smart Phone Access (CDL-88PB) • ONE KEY(Bluetooth) (CDL-88PB)
- Emergency power(Micro USB 5V)

Applicable	Normal fire door	Thickness 40mm ~ 80mm
Access methods	Smart phone	One key App.
	Pin number (Number plate)	4~12 digit number combination (Up to 4 pin number)
	RF Card	Up to 30 cards
	Mechanical Key	Individual mechanical lock
Power source	DC 6V (Alkaline AA battery 8pcs (LR6 1.5V AA size))	
Type of product	Fireproof type, Temperature sensor type, Key type, Master key door lock	
Temp. alarm	Temperature sensor (60 degree ± 10 degree)	
Option	Monitor Remote module(447.275Mhz)	
Dimension(mm)	90(W)x455(H)x55(D)	

SMART DOOR LOCK

CDL-250P

NEW



RF card



- 3rd Generation Design Strategic Pushpull Digital Door Lock
- No worries about password guessing with the imaginary number function!
- Sound settings and manner mode to be considerate of family and neighbors
- It's convenient to let you know when to replace the battery in advance
- Prevention of intrusion through prank prevention and intrusion detection
- High temp. detection, alert and automatic unlocking

Applicable	Normal fire door	Thickness 40mm ~ 60mm
Access methods	Pin number	4~12 digit number combination (Up to 4 pin number)
	RF card	Up to 30 cards
	Mechanical Key	Individual mechanical lock
	Fingerprint	Up to 100 Fingerprints
Power source	DC 6V (Alkaline AA battery 8pcs (LR6 1.5V AA size))	
Temp. alarm	Temperature sensor (60 degree ± 10 degree)	
Option	Monitor Remote module(447.275Mhz)	
Dimension(mm)	83(W)x385(H)x67(D)	

SMART DOOR LOCK

CDL-800MP · 810MP

NEW



RF card



CDL-800MP CDL-810MP

- Easy-to-install non-perforated pushpull digital door lock
- Pin number 4~12 digit number combination (Up to 4 pin number) / RF Card(Up to 30 cards) / Individual mechanical lock(Optional)
- Emergency power(9V alkaline battery(optional))
- High temp. detection, alert and automatic unlocking

Applicable	Normal fire door	Thickness 40mm ~ 50mm
Access methods	Pin number	4~12 digit number combination (Up to 4 pin number)
	RF card	Up to 30 cards
	Default : No key (Mechanical Key - Optional)	Individual mechanical lock
	Fingerprint	Up to 100 Fingerprints
Power source	DC 6V (Alkaline AA battery 4pcs (LR6 1.5V AA size))	
Temp. alarm	Temperature sensor (60 degree ± 10 degree)	
Option	Monitor Remote module(447.275Mhz)	
Dimension(mm)	83(W)x333(H)x67(D)	

SMART DOOR LOCK

CDL-230P · 230PB · 240P



RF card



Fingerprint Recognition (CDL-240P)



CDL-230P / 240PB Dark silver Light brown CDL-240P Dark silver Light brown

- 4 way access methods(RF Card, Pin number, Mechanical Key, Connected Monitor(option)) • ONE KEY(Bluetooth) (CDL-230PB)
- Durable body for protecting against high temp. and shock
- High temp. detection, alert and automatic unlocking
- Multi-layered authentication(Pin number/RF Card)
- Fingerprint(Up to 100 Fingerprints) (CDL-240P)

Applicable	Normal fire door	Thickness 40mm ~ 60mm
Access methods	Pin number (Number plate)	4~12 digit number combination (Up to 4 pin number)
	RF Card	Up to 30 cards
	Mechanical Key	Individual mechanical lock
	Fingerprint	Up to 100 Fingerprint (CDL-230P)
Power source	DC 6V (Alkaline AA battery 8pcs (LR6 1.5V AA size))	
Type of product	Fireproof type, Temperature sensor type, Key type, Master key door lock	
Temp. alarm	Temperature sensor (60 degree ± 10 degree)	
Option	Monitor Remote module(447.275Mhz)	
Dimension(mm)	80(W)x382(H)x71(D)	

SMART DOOR LOCK

CDL-700MP

NEW



RF card



- Easy, no-tap installation
- No worries about password guessing with the imaginary number function!
- It's convenient to let you know when to replace the battery in advance
- Prevention of intrusion through prank prevention and intrusion detection
- High temp. detection, alert and automatic unlocking
- Emergency power(Micro USB 5V C type(optional))
- Out-body handles can only be operated by pulling, In-body handles can only be operated by pushing.

Applicable	Normal fire door	Thickness 40mm ~ 50mm
Access methods	Pin number	4~12 digit number combination (Up to 4 pin number)
	RF card	Up to 30 cards
	Mechanical Key	Individual mechanical lock
Power source	DC 6V (Alkaline AA battery 4pcs (LR6 1.5V AA size))	
Temp. alarm	Temperature sensor (60 degree ± 10 degree)	
Option	Monitor Remote module(447.275Mhz)	
Dimension(mm)	96(W)x228(H)x49(D)	

SMART DOOR LOCK

CDL-200P · 210P



RF card



Fingerprint Recognition (CDL-210P)



CDL-200P CDL-210P

- Push pull Doorlock with 3(4) way access methods (RF card, Pin number, Mechanical key, Fingerprint(CDL-210P))
- Pin number 4~12 digit number combination (Up to 4 pin number) / RF Card(Up to 30 cards) / Individual mechanical lock / Fingerprint(Up to 100 Fingerprints) (CDL-210P)
- Fireproof type, Temperature sensor type, Key type, Master key door lock

Applicable	Normal fire door	Thickness 40mm ~60mm
Access methods	Pin number	4~12 digit number combination (Up to 4 pin number)
	RF card	Up to 30 cards
	Mechanical Key	Individual mechanical lock
	Fingerprint	Up to 100 Fingerprint (CDL-210P)
Power source	DC 6V (Alkaline AA battery 8pcs (LR6 1.5V AA size))	
Type of product	Fireproof type, Temperature sensor type, Key type, Master Key doorlock	
Temp. alarm	Temperature sensor (60 degree ± 10 degree)	
Option	Monitor Remote module(447.275Mhz)	
Dimension(mm)	80(W)x382(H)x71(D)	

FACE RECOGNITION DOOR LOCK

CDL-300L Bio



Facial Recognition



Palm Recognition



RF card



- Biometric Digital Doorlock
- Register 100 Users and 5-way access methods (Face recognition, RF Card, Pin number, Mechanical Key)
- 2.8 inch LCD display and Emergency power(Micro USB 5V)
- Automatically detect when a person approaches and power on

Applicable	Normal fire door	Thickness 40mm ~ 60mm
Access methods	Pin number (Face recognition unit)	6~8 digit number combination (1 pin number per 100users)
	Pin number (Number plate)	4~12 digit number combination (Up to 4 pin number)
	RF card	Up to 100 cards (1 Rf Card per 100 users)
	Mechanical Key	Individual mechanical lock
Power source	DC 6V (Alkaline AA battery 8pcs (LR6 1.5V AA size))	
Type of product	Fireproof type, Temperature sensor type, Key type, Master key door lock	
Temp. alarm	Temperature sensor (60 degree ± 10 degree)	
Option	Monitor Remote module(447.275Mhz)	
Dimension(mm)	83(W)x326(H)x72(D)	

SMART DOOR LOCK

CDL-200L · 210L



RF card



Fingerprint Recognition (CDL-210L)



CDL-200L

CDL-210L

- Lever Type Doorlock with 3(4) way access methods (RF card, Pin number, Mechanical key, Fingerprint(CDL-210L))
- Emergency power(9V alkaline battery(optional))
- Pin number 4~12 digit number combination (Up to 4 pin number) / RF Card(Up to 30 cards) / Individual mechanical lock / Fingerprint(Up to 100 Fingerprints) (CDL-210L)
- Fireproof type, Temperature sensor type, Key type, Master key door lock

Applicable	Normal fire door	Thickness 40mm ~ 60mm
Access methods	Pin number	4~12 digit number combination (Up to 4 pin number)
	RF card	Up to 30 cards
	Mechanical key	Individual mechanical lock(Key type only)
	Fingerprint	Up to 100 Fingerprints(CDL-210L)
Power source	DC 6V (Alkaline AA battery, 8pcs(LR6 1.5V AA size))	
Type of product	Fireproof type, Temperature sensor type, Key type, Master key door lock	
Temp. alarm	Temperature sensor (60 degree ± 10 degree)	
Option	Monitor Remote module(447.275Mhz)	
Dimension(mm)	77(W)x302(H)x71(D)	

SMART DOOR LOCK

CDL-300L · 310L



RF card



Fingerprint Recognition (CDL-310L)



CDL-300L

CDL-310L

- 3(4) way access methods (RF Card, Pin number, Mechanical key, Fingerprint(CDL-310L))
- Durable body for protecting against high temp. and shock

Applicable	Normal fire door	Thickness 40mm ~ 60mm
Access methods	Pin number	4~12 digit number combination (Up to 4 pin number)
	RF card	Up to 30 cards
	Mechanical key	Individual mechanical lock
	Fingerprint	Up to 100 Fingerprints(CDL-831L)
Power source	DC 6V (Alkaline AA battery, 8pcs(LR6 1.5V AA size))	
Type of product	Fireproof type, Temperature sensor type, Key type, Master key door lock	
Temp. alarm	Temperature sensor (60 degree ± 10 degree)	
Option	Monitor Remote module(447.275Mhz)	
Dimension(mm)	83(W)x326(H)x72(D)	

SMART DOOR LOCK

CDL-400M · 410M · 400MC · 410MC



RF card



CDL-400M
CDL-400MC

CDL-410M
CDL-410MC

- Mini Lever type Doorlock
- Easy, no-tap installation
- 2 way access methods (RF Card, Pin number)
- Home networking of remote controlle(CDL-400MC/CDL-410MC)
- Emergency power(9V alkaline battery(optional))

Applicable	Normal fire door	Thickness 40mm ~ 60mm
Access methods	Pin number	4~12 digit number combination (Up to 4 pin number)
	RF card	Up to 30 cards
	Fingerprint	Up to 100 Fingerprints(CDL-210L)
Power source	DC 6V (Alkaline AA battery, 4pcs(LR6 1.5V AA size))	
Type of product	Temperature sensor type, Non key type, Master key door lock	
Temp. alarm	Temperature sensor (60 degree ± 10 degree)	
Option	Monitor Remote module(447.275Mhz)	
Dimension(mm)	80(W)x230(H)x63(D)	

ROCK AND LOCK

CDL-100WL · 800WL



RF card (CDL-100WL/WLC)



Fingerprint Recognition (CDL-800WL/WLC)



CDL-100WL/WLC

CDL-800WL/WLC

- High-quality premium design door lock
- CDL-800WL : 2 way access methods (Pin number, Fingerprint)
- CDL-100WL : 2 way access methods (RF Card, Pin number)
- Emergency power (9V alkaline battery(optional) Micro USB 5pin))

Applicable	Interior door	Thickness 35mm ~ 50mm
Access methods	Pin number (Number plate)	4~12 digit number combination (Up to 4 pin number)
	RF Card(CDL-100WL)	Up to 30 cards
	Fingerprint(CDL-800WL)	Up to 100 Fingerprints
Power source	DC 6V (Alkaline AA battery 4pcs(LR6 1.5V AA size))	
Type of product	Non Fireproof type, Temperature sensor type, Key type, Master key door lock	
Temp. alarm	Temperature sensor (60 degree ± 10 degree)	
Dimension(mm)	95(W)x95(H)x71(D)	

SMART DOOR LOCK

CDL-107U



RF card



- 3 way door opening (easy opening with smartphone)
- Open / close the door outside of the home through Z-Wave Hub (Z-Wave is for Americas only)
- Emergency power(9V alkaline battery(optional))
- Indoor door Thickness 35mm ~ 50mm
- Pin number 4~10 digit number combination / RF Card(Up to 30 cards) / Individual mechanical lock
- Non Fireproof type, Temperature sensor type, Key type, Sub key door lock

Applicable	Indoor door	Thickness 35mm ~50mm
Access methods	Pin number	4~10 digit number combination
	Z-WAVE	Smartphone
	Mechanical Key	Individual mechanical lock
Power source	DC 6V (Alkaline AA battery 4pcs (LR6 1.5V AA size))	
Type of product	Temperature sensor type	
Temp. alarm	Temperature sensor(60 degree ± 10 degree(Normal test))	
Option	Monitor Remote module(447.275Mhz)	
Dimension(mm)	85(W)x175(H)x30(D)	

SMART DOOR LOCK

CDL-207U

NEW



RF card



- Door-opening fuction with the use of password, card
- Connection to home network system(Optional)
- External double locking device
- High temperature detection sensor functions such as fire
- Alarm function in case of house breaking and theft
- Emergency power(DC 9V alkaline battery)

Applicable	Normal fire door	Thickness 35mm ~ 50mm
Access methods	Pin number	3~12 digit number combination
	RF card	Up to 50 cards
	Home network remote module	Optional
Power source	DC 6V (Alkaline AA battery 4pcs (LR6 1.5V AA size))	
Temp. alarm	Temperature sensor (65 degree ± 10 degree)	
Option	Monitor Remote module(447.275Mhz)	
Dimension(mm)	67(W)x159(H)x16(D)	

SMART DOOR LOCK

CDL-100G · 100GC



RF card



CDL-100G

CDL-100GC

CDL-100G

- Hinge method (left and right conversion possible) (CDL-100G)
- Clip-type fixing method (Glass door without handle) (CDL-100GC)
- Indoor/outdoor double locking
- Notification sound can be adjusted (bass-treble)
- Check for locking error
- A separate holder is required when installing on a double-sided by tempered glass door
- Emergency power(DC 9V alkaline battery)

Applicable	Glass door	Thickness 12mm
Access methods	Pin number	3~19 digit number combination
	RF card	Up to 50 cards
Power source	DC 6V (Alkaline AA battery 4pcs (LR6 1.5V AA size))	
Temp. alarm	Temperature sensor (60 degree ± 10 degree)	
Dimension(mm)	CDL-100G	71(W)x172(H)x18(D)
	CDL-100GC	64(W)x165(H)x24(D)

CCTV

COMMAX supplies various CCTV systems that customers need.



4MP NIGHT SHOOTER VANDAL IR DOME CAMERA
CNV-401RL



- 1/3" progressive Scan 4.0MP CMOS image sensor
- 2.8mm Fixed Lens
- Max. 2688x1520@ 30fps
- Smart IR UP to 30m
- Ultra 265, H265, H.264, MJPEG
- ROI, 9:16 Corridor mode
- 120dB True WDR
- IP67, IK10 Vandal resistant

4MP NIGHT SHOOTER IR BULLET CAMERA
CNU-402RL



- 1/3" progressive Scan 4MP CMOS image sensor
- 4.0mm Fixed Lens
- Max. 2688x1520@ 30fps
- Smart IR UP to 50m
- Ultra 265, H265, H.264, MJPEG
- ROI, 9:16 Corridor mode
- Built in Mic.
- 120dB True WDR
- IP67

2MP DUAL LENS MINI PTZ CAMERA
CNP-20104R



- 1/2.8" progressive Scan 2MP CMOS image sensor
- Starlight Illumination
- 2.8mm Fixed & 2.8-12mm AF Motorized Lens
- 2-way communications using speaker & Mic.
- Ultra 265, H265, H.264, MJPEG
- Wall installation
- DC12V, PoE+ (IEEE802.3 at), Max 16W
- IP66

2MP MOTORIZED IR BULLET CAMERA
CNU-208R



- 1/2.7" progressive Scan 2MP CMOS image sensor
- 2.8~12mm, AF Auto Focusing and Motorized zoom
- Max. 1920x1080@ 30fps
- Smart IR UP to 50m
- Ultra 265, H265, H.264, MJPEG
- ROI, 9:16 Corridor mode
- 120dB True WDR
- IP67

2MP MOTORIZED IR BULLET CAMERA
CNV-201R2



- 1/2.7" progressive Scan 2MP CMOS image sensor
- 2.8mm Fixed Lens
- Max. 1920x1080@ 30fps
- Smart IR UP to 30m
- Ultra 265, H265, H.264, MJPEG
- ROI, 9:16 Corridor mode
- 120dB True WDR
- IP67, IK10 Vandal resistant

2MP MOTORIZED IR DOME CAMERA
CNV-208R



- 1/2.7" progressive Scan 2MP CMOS image sensor
- 2.8~12mm AF Motorized Lens
- Max. 1920x1080@ 30fps
- Dual streams
- Smart IR UP to 40m
- Ultra 265, H265, H.264, MJPEG
- ROI, 9:16 Corridor mode, BLC, HLC, Privacy Mask
- 120dB True WDR
- IP67, IK10 Vandal resistant

2MP IR BULLET CAMERA
CNU-202R2



- 1/2.7" progressive Scan 2MP CMOS image sensor
- 4.0mm Fixed Lens
- Max. 1920x1080@ 30fps
- Smart IR UP to 30m
- Ultra 265, H265, H.264, MJPEG
- ROI, 9:16 Corridor mode
- Built in Mic.
- 120dB True WDR
- IP67

16CH 4K NVR
CVN-1630UE2



- 16ch video recording
- Support 4K resolution
- Max. 2 HDD slots (Max. 10TB x 2)
- 16ch PoE port
- HDMI & VGA
- Front : 1 x USB2.0, Rear : 1 x USB3.0
- Alarm In/Out : 4/1
- 1ch audio In/Out
- Support Intelligent function

4/8 CH 4K NVR
CVN-0430UE2 · 0830UE2



- 4 or 8ch video recording
- Support 4K resolution
- Max. 1 HDD slot (Max. 6TB x 1)
- 4 or 8ch PoE port
- HDMI & VGA
- 2 x USB2.0
- 1ch audio Out
- Support Intelligent function
- IP67, IK10 Vandal resistant

HOSPITAL COMMUNICATION SYSTEM

HOSPITAL COMMUNICATION SYSTEM provides a “one-stop” communication solution for intelligent hospital environments.



MAIN NURSE STATION CNS-70MN



- A simple memo function.
- Group announcement function.
- Hands-free function.
- Installation flexibility (Desktop/Wall-mounted type)

Power source	From CNS-PSM
Mount type	Desktop (Wall-mounted type)
Wiring ports	8 wires
Distance	100m(0.65Ø)
Dimension(mm)	252(W)×247(H)×40(D)

MAIN UNIT CNS-PSM



- Power supply and signal relay
- Automatic UPS connection in case of a blackout

Power source	AC 220- 240V, 60Hz
Mount type	Wall-mounted type
Wiring ports	Common 4 wires 2 wires separate
Distance	100m(0.65Ø)
Dimension(mm)	420(W)×328(H)×105(D)

BED HEAD CONSOLE CNS-8CS



- Paging and calling nurse's waiting room
- Various ways of emergency paging and calling
- Interlocking with corridor lights (CL-302I and others)

Power source	From CNS-PSM
Mount type	Flush-mounted type
Wiring ports	8 wires
Distance	100m(0.65Ø)
Dimension(mm)	195(W)×117(H)×16(D)

DISPLAY CNS-101NM

NEW



- 4-wire and 8-wire nurse call receivers interlocking
- Display device announcement and digital image output
- Display the number when calling the hospital bed
- Emergency call to the bathroom, male/female separation
- Shower room emergency call, male/female separation
- Print promotional video or promotional image when waiting
- Hospital promotional video available
- Separate hospital rooms and common toilets

Power source	DC 14V, 2A
Display	Monitor interlocking
Resolution	720p (HD)
Memory	FLASH: 32MB / RAM: 128MB DDR3
Micro SD	32GB (MAX)
Interface	RS-232, RS-485, Digital Video Output
Dimension(mm)	162(W)×89(H)×22(D)

DISTRIBUTOR CNS-812LD · 812MD



- Connection to the slave phone in a hospital room from master phone and sub nursing phone
- Connection function of display panel
- Able to connect up to 4 sub-groups
- Signal distribution for simultaneous calling

Power source	DC 24V
Mount type	Wall-mounted type
Wiring ports	Common 8 wires 2 wires separate
Distance	100m(0.65Ø)
Dimension(mm)	106(W)×76(H)×44(D)

OPERATING ROOM SWITCH CNS-8AS



- Call by elbow switch
- When calling, flashing red LED, ringing melody
- Cancel button
- Interlocking with FOOT switch
- Able to communicate with CNS-70MN

Power source	DC 29V (from CNS-PSM)
Mount type	Flush-mounted type
Wiring ports	8 wires
Distance	100m(0.65Ø)
Dimension(mm)	195(W)×117(H)×16(D)

OPERATING ROOM SWITCH

CNS-8AS2



- Call by elbow switch
- When calling, flashing red LED, ringing melody
- Cancel button • Interlocking with FOOT switch
- Able to communicate with CNS-70MN

Power source	DC 29V (from CNS-PSM)
Mount type	Flush-mounted type
Wiring ports	8 wires
Distance	100m(0.65Ø)
Dimension(mm)	195(W)×117(H)×16(D)

NURSE CALL SWITCH

CNS-8CD



- Able to call and talk to a nurse as well as call cancel function
- Interlocking with Corridor light, CNS-70MN and emergency switch

Power source	DC 29V (from CNS-PSM)
Mount type	Desktop type
Wiring ports	Common 8 wires 2 wires separate
Distance	100m(0.65Ø)
Dimension(mm)	183(W)×169(H)×41(D)

PRESENCE SWITCH

PB-500



- Presence switch (To turn off alarm and corridor light entering room)
- Durable and lightweight aluminum material

Power source	From JNS-4CS/CNS-8CS
Mount type	Flush-mounted type
Wiring ports	2 wires
Dimension(mm)	71(W)×116(H)×3(45)(D)

EM. SWITCH

ES-400



- Emergency switch (restroom)
- Waterproof
- Durable and lightweight aluminum material

Power source	From JNS-4CS/CNS-8CS
Mount type	Flush-mounted type
Wiring ports	2 wires
Dimension(mm)	71(W)×116(H)×3(45)(D)

EM. SWITCH

ES-410



- Emergency switch with string (Pull type)
- Wired switch • LED Indicator
- Durable and lightweight aluminum material

Power source	From JNS-4CS/CNS-8CS
Mount type	Flush-mounted type
Wiring ports	2 wires
Dimension(mm)	71(W)×116(H)×3(45)(D)

SHOWER EM. SWITCH

ES-420



- Emergency switch with chain (Shower room)
- Waterproof
- Durable and lightweight aluminum material

Power source	From JNS-4CS
Mount type	Flush-mounted type
Wiring ports	2 wires
Dimension(mm)	118(W)×118(H)×3(45)(D)

CORRIDOR LIGHT

CL-302I



- Corridor light
- 2 Color models(Red/Green)
- LED

Power source	From JNS-4CS/CNS-8CS
Mount type	Flush-mounted type
Wiring ports	3 wires
Dimension(mm)	118(W)×118(H)×73.1(D)

PILLOW SPEAKER

PS-100



- Pillow speaker
- Remote control of On/Off(2 lamps)

Power source	From JNS-4CS/CNS-8CS
Mount type	Fixing clip on the bed
Wiring ports	8 wires
Dimension(mm)	55(W)×171(H)×20(D)

CALL CORD SW

CC-200



- Emergency call cord

Power source	From JNS-4CS
Mount type	Fixing clip on the bed
Wiring ports	2 wires

PRODUCT LINE-UP

MONITORS

A.I. HOME SOLUTION



CSM-3200(S)



CHM-2200
CHM-2200(S)



CSH-1400V



CAP-1001A
CAP-1000A

IP SOLUTION



CIOT-1000YN



CIOT-700M2



CIP-70QPT



CIP-710QP



CIP-710M

GATE VIEW IoT



CAV-1000QGX
CAV-1001QGX



CAV-70QGX

GATE VIEW



CAV-70YG



CAV-43YG

DOOR CAMERAS

IP SERIES | 2MP | OUTDOOR



CIOT-D21M CIOT-D20P CIP-D20YS CIP-D20DKS

IP SERIES | 2MP | INDOOR



CIOT-D20Y CIOT-D20M

2MP | OUTDOOR



DRC-40YFD DRC-4PF DRC-4CPHD2 DRC-4PFK

2MP | INDOOR



DRC-40QFD DRC-40QFM

1MP | OUTDOOR



DRC-40DKH DRC-40YHD DRC-40KHD DRC-4CPHD
DRC-41DKH

1MP | INDOOR



DRC-40QHM DRC-40QHD

0.52MP | OUTDOOR



DRC-40DK DRC-4PIP DRC-40K DRC-4CPN3
DRC-41DK

0.52MP | INDOOR



DRC-4LN DRC-4Y

ENTRANCE STATIONS

A.I. HOME SOLUTION



CIOT-LBIO CIOT-L20M2 CIOT-L20MP CIOT-L7FM CIOT-L10M CIOT-24XM

GATE VIEW IoT



DRC-BIOL(N)

GATE VIEW



DRC-BIOL(N) DRC-707LC · 707LCB

AUDIO GATE SYSTEM



DR-2GS DR-2AG/RF1

MULTI BUTTON VIDEO STATION



DRC-10ML DRC-8ML DRC-6ML DRC-4ML DRC-2ML DRC-24XM(F)

MULTI BUTTON AUDEO STATION



DRC-7UC DRC-6UC DRC-5UC DRC-4UC DRC-3UC DRC-2UC

DOOR LOCKS

FACE RECOGNITION DOOR LOCK



CDL-88PBio CDL-710MPBio CDL-3PRBio CDL-300LBio

PREMIUM DOOR LOCK



CDL-88PB
CDL-88P CDL-260P CDL-250P CDL-800MP CDL-700MP CDL-230P CDL-230PB

FINGERPRINT RECOGNITION DOOR LOCK



CDL-810MP CDL-240P CDL-210P CDL-310L CDL-210L CDL-100WL/WLC

DOOR LOCK



CDL-200P CDL-300L CDL-200L CDL-400M
CDL-400MC CDL-410M
CDL-410MC CDL-207U CDL-107U

Accessories

RAIN SHIELD DIE CASTING TYPE



Mounted type Flushed type

Applicable product DRC-7MS, CIOT-L20M2, DRC-703S,
DRC-707LC/707LCB, DRC-7MBL, DRC-77MU

Dimension(mm) 273(W)x320(H)x50(D)

RAIN SHIELD METAL PLATE TYPE



Mounted type Flushed type

Applicable product DRC-7MS, CIOT-L20M2, DRC-703S,
DRC-707LC/707LCB, DRC-7MBL, DRC-77MU

Dimension(mm) 255(W)x280(H)x60(D)

RAIN SHIELD DOOR CAMERA



Applicable product Metal plate type

TERMINAL BOARD CTB-1C4M



Propose Connect 4 wallpads with 1
Door camera

Applicable product Video distributor for
videophone

RELAY BOARD CRB-4CH



Propose Connect 1 wallpads with 4
Door camera

Applicable product 4 wire monitor & door
camera

TERMINAL BOARD CTB-GV UTP



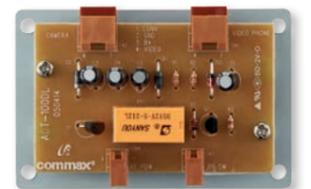
- GATEVIEW SYSTEM
- Connecting Converter to UTP type
- Wiring : 10P to UTP

RF MODULE MODULE 447MHZ



- RF module for doorlock open via videophone

TERMINAL BOARD ADT-100DL



- Interwork Videophone and DDL MODULE (RF-447MHz)
- Wiring : Videophone - 4p, Door - 4p, DDL P/W - 2p, DDL OPEN - 2p



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