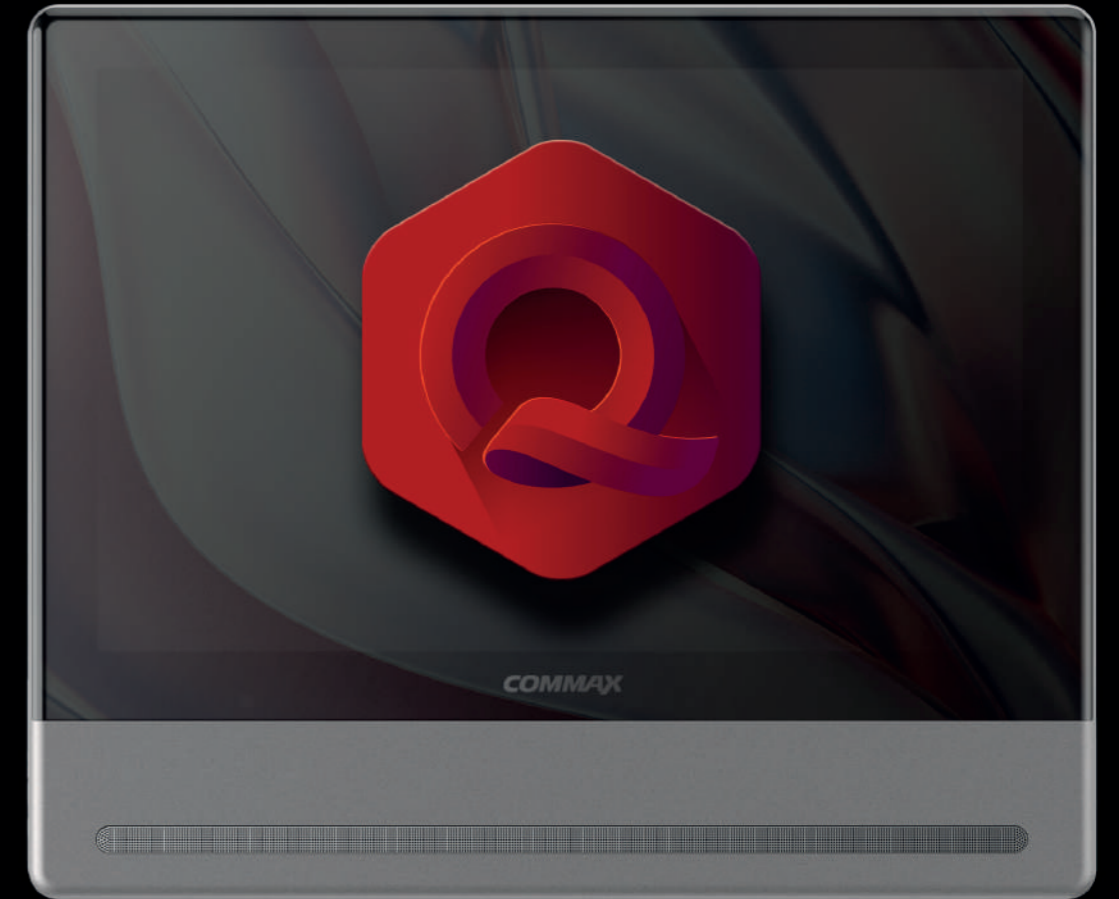




# AI HOME GUIDE

SINGLE HOUSE & VILLA



The Q series is built to the highest quality level, using the most advanced technology with A.I. to create a perfect and customized living experience.

## [Q] Series



Door Camera



Monitor 7 inch



Monitor 10 inch



A.I. Monitor [ANSWER T]



Technology meets design.  
 The Slim edge [Y] Series offers a unique design and makes your space more special.

## [Y] Series



### 10.1 inch Monitor Color



# SINGLE A.I. Home Solution

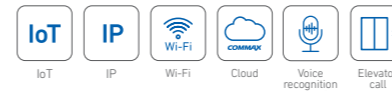
Smart A.I. service is an integrated digital voice assistant that will enhance your living experience, by allowing you to interact with your home with regular speech.

There are many monitor 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.



## MONITOR

CIOT-1000YN



### Window Color

- Black smog
- White

### Cover Color

- Dark silver
- White
- Space blue
- Silver
- Bronze
- Pink gold

- 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
  - Door camera, lobby phone, visitor call, door open
  - IoT device control, status monitoring
  - Push notifications in case of emergency, intrusion detection
- Easy registration door camera and CCTV via auto scan
- Visitor storage function (32GB of external memory)

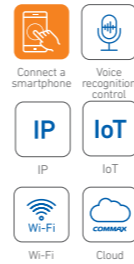
Power source	PoE S/W
Display	10.1 inch(25.7cm) TFT LCD
Mount type	Wall-mounted type
OS	Android
Network	Wi-Fi 2.4Ghz, IEEE 802.15.4, Zigbee HA 1.2(Compatible)
Dimension(mm)	261(W)×184(H)×26(D)

NEW



## MONITOR

CIOT-1020M2



- 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
  - Door camera, lobby phone, visitor call, door open
  - IoT device control, status monitoring, Push notifications
- Easy registration door camera and CCTV via auto scan

Power source	PoE S/W
Display	10.1 inch(25.7cm) TFT LCD
Mount type	Wall-mounted type
CPU	Quad core
OS	Android
Network	Wi-Fi 2.4Ghz, IEEE 802.15.4, Zigbee HA 1.2(Compatible), Ethernet(SIP)
Dimension(mm)	308(W)×213(H)×23(D)

## MONITOR

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 App
  - Door camera, lobby phone, visitor call, door open
  - IoT device control, status monitoring, Push notification
- Easy registration of door camera and CCTV through auto scan function

Power source	PoE S/W
Display	7 inch TFT LCD
Mount type	Wall-mounted type
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)×180(H)×18(D)

## MONITOR CIOT-700ML



- SIP-based VoIP System
- Connects to ACC alarm
- Auto detecting slave monitor
- TCP/IP Communication
- Smartphone integration through COMMAX App
  - Door camera, lobby phone, visitor call, door open
- Automatic recording function

Power source	PoE S/W
Display	7 inch TFT LCD
Mount type	Wall-mounted type
CPU	Quad core
OS	Android
Network	TCP/IP
Dimension(mm)	244(W)×180(H)×18(D)

## DOOR CAMERA CIOT-D21M · D20M



CIOT-D21M CIOT-D20M

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

Power source	PoE S/W
Mount type	Wall-mounted type
Camera	2M pixel
Angle	120°
Video codec	H.264
Dimension(mm)	112(W)×146(H)×28(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
Mount type	Wall-mounted type
Camera	2M pixel
Angle	120°
Video codec	H.264
Dimension(mm)	108(W)×146(H)×28(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
Mount type	Wall-mounted type
Camera	2M pixel
Angle	90°
Protection class	IP67
Operation temp.	-10°C ~ +40°C
Video codec	H.264
Dimension(mm)	59(W)×164(H)×42(D)

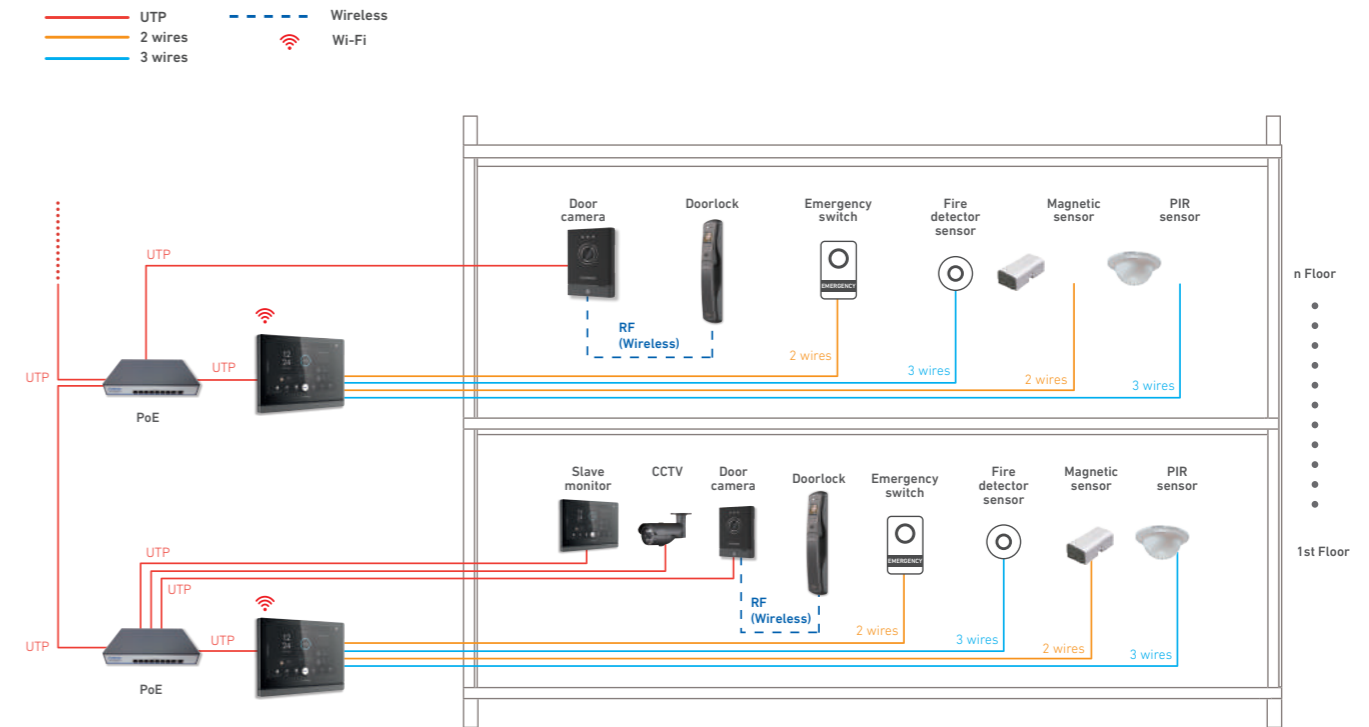
## 4(8) PORT POE S/W CIOT-H4L2 · H8L2



- 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)

## APPLICATION | SINGLE A.I. HOME SOLUTION



# 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) NEW CIS-ZTH02



- Integrated service with IoT Monitor
- To sense temperature and humidity in real time over the range (Tolerance(Temperature/humidity) : ± 0.5°C / ± 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 ports	Wireless
Distance	50m(without any obstruction)
Operation temp.	-10°C ~ 55°C
Dimension(mm)	Ø61.2x23

## IoT PIR SENSOR NEW 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 ports	Wireless
Distance	50m(without any obstruction)
Operation temp.	-10°C ~ 55°C
Dimension(mm)	Ø48x53.2

## IoT GAS DETECTOR NEW 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 ± 3% LEL)

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

## IoT SMOKE DETECTOR NEW 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 ports	Wireless
Distance	50m(without any obstruction)
Operation temp.	-10°C ~ 55°C
Dimension(mm)	Ø90x37

## IoT EMERGENCY BUTTON NEW 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 EMERGENCY BUTTON NEW CIA-ZEB01



- Push(press)button at emergency situation
- Sending emergency situation to Monitor

Power source	DC 3V(CR2032 battery)
Mount type	Flush mounted type
Network	Zigbee (2.4 GHz)
Detecting distance	50m
Operation temp.	-10°C ~ 55°C
Dimension(mm)	73(W)x124(H)x173(D)

## IoT MAGNETIC SENSOR NEW 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	3V Lithium Cell (CR2032), 2EA
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)	Sensor : 35(W)x55(H)x16(D) Magnetic : 11(W)x55(H)x16(D)

## IoT SMART BLIND NEW 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



- Intergrated 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)	Ø44.8x14

## 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)×90(H)×11(43)(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

## 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 SMART REPEATER

### CIA-ZRT01



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

## IoT PIR SENSOR

### CIS-ZP01



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

## MAGNETIC SENSOR

### MS-10



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

## IoT IR SENSOR

### CIA-ZIR01



- 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

## PIR SENSOR

### CPB-30S · 10S



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

## 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)×55(H)×16(D)

## IoT SENSOR (TEMP./HUMIDITY SENSOR)

### CIS-ZTH01

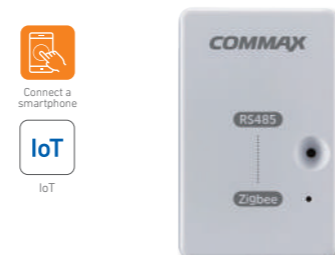


- Integrated service with IoT Monitor
- Temperature and humidity measurement
- Flashes LED when battery is low
- Attachment type

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)×55(H)×16(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)×55(H)×16(D)

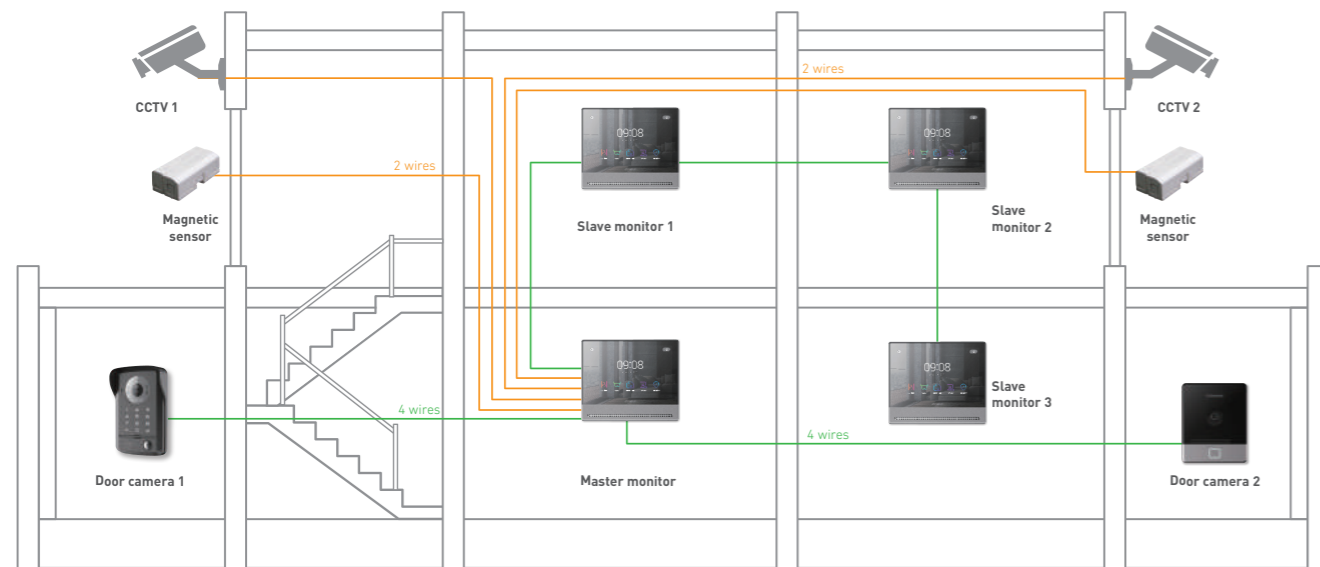
# HOME BLACK BOX

COMMAX HOME BLACK BOX monitor is one of the powerful security system that detects and record around your home and can monitor with your smartphone in real-time.



## APPLICATION | HOME BLACKBOX

2 wires  
4 wires



## MONITOR (4-4-4)

CDV-1004QT



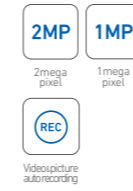
Case Color ● Neo-Silver ● Gold

- Black mirror & Tempered Glass • Full touch display
- WiFi based Monitor connecting with smartphone
- 2MP AHD door camera connection • Motion detecting
- Internal memory 50 CUT, external memory 128GB
- 2 Door camera & Digital door lock connecting
- Smartphone video call • Two Magnetic Sensors interlocking
- Image, Video recording function

Power source	AC 100-240V, 50/60Hz (To SMPS)
Display	10.1 inch(25.7cm) TFT LCD
Mount type	Wall-mounted type
Wiring	Door camera : 4 wires / Expansion : 4 wires CCTV : 2 wires / Magnetic sensor : 2 wires
Network	Wi-Fi 2.4Ghz
Camera	Under AHD 2MP
Resolution	1280 X 800
Dimension(mm)	250(W)x210(H)x22(D)

## MONITOR (4-4-4)

CDV-1024MA



- Security function(Security sensor 1,2) • 2MP camera
- Connecting 2 individual door camera & 2 CCTV (Call from individual door camera, all monitor will be displayed.)
- Intercommunicate between monitors(Page & Call)
- Saving image & video clip(With Micro SD)
- DVR function with SD card (256GB)
- Motion detection and image saving(optional) • Connect 4 monitor available

Power source	AC 100-240V, 50/60Hz
Display	10.1 inch(25.7cm) TFT LCD
Mount type	Wall-mounted type
Wiring	Door camera : 4 wires / Expansion : 4 wires CCTV : 2 wires / Magnetic sensor : 2wires
Distance	Door camera : 50m(0.65Ø)
Resolution	1024 X 600
Dimension(mm)	308(W)x213(H)x23(D)

## MONITOR (2-2-2)

CDV-70QT



Case Color ● Neo-Silver ● Gold

- Black mirror & Tempered Glass • Full touch display
- WiFi based Monitor connecting with smartphone
- Interlock with 2 MP AHD door camera • Motion detecting
- Internal memory 50 CUT, external memory 128GB
- Smartphone video call • Magnetic Sensor 1, 2 interlock
- Image, Video recording function
- Digital door lock connecting

Power source	AC 100-240V, 50/60Hz (To SMPS)
Display	7 inch TFT LCD
Mount type	Wall-mounted type
Wiring	Door camera : 4 wires / Digital door lock : wireless (RF-447) / Magnetic sensor : 2 wires x 2
Network	Wi-Fi 2.4Ghz
Camera	Under AHD 2MP
Resolution	1024 X 600
Dimension(mm)	184(W)x171(H)x22(D)

## MONITOR (4-4-4)

CDV-704MF



- Security function (Security sensor 1, 2)
- Connecting 2 individual door cameras & 2 CCTVs (Call from individual door camera, all monitor will be displayed.)
- Intercommunicate between monitors(Page & Call)
- Saving image & movie clip (With Micro SD) • Motion detection and image saving(Optional) • DVR function with SD card (256GB) • 2MP camera

Power source	AC 100-240V, 50/60Hz
Display	7 inch TFT LCD
Mount type	Wall-mounted type
Wiring	Door camera : 4 wires / Expansion : 4 wires CCTV : 2 wires / Magnetic sensor : 2 wires
Distance	Door camera : 50m(0.65Ø)
Resolution	800 X 480
Dimension(mm)	244(W)x180(H)x18(D)



## MONITOR (2-2-2) CDV-70MF

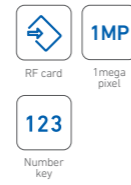


- Auto saving image & movie clip(Motion sensing)
- Security function(Wired sensor 1,2)
- Recording function with Micro SD card(256GB)
- Monitoring function(Door cameras & CCTVs)
- Controlling 2 Doors(Only CAM1) • 7 inch touch display
- Intercommunicating with Monitor & Interphone • 2MP camera

Power source	AC 100-240V, 50/60Hz
Display	7 inch TFT LCD
Mount type	Wall-mounted type
Wiring	Door camera 1, 2 : 4 wires x 2port Intercom: 4 wires, door detecting 1, 2 : 2 wires x 2 port CCTV1, 2 : 2 wires x 2port / Digital door lock : 4 wires (Power 2 : wires / opening short : 2 wires)
Distance	Door camera /intercom : 28m(Ø0.5)
Dimension(mm)	244(W)×180(H)×18(D)

## DOOR LOCK CAMERA DRC-40DK · 40DKH

NEW



- 2 Door open camera • 3 way access (PW, RF Card, Video phone)
- Enter the password using 10key • Illuminance sensor
- House call and talk • wall-mounted type • Built-in white LED
- AHD 1MP(DRC-40DKH), 0.52MP(DRC-40DK)

Power source	DC 12V (Adaptor)
Min. illumination	0.1Lux (up to 300mm)
Imaging angle	110° diagonal
Angle of view	Horiz. 75° Vert. 55°
Wiring	4 wires to a monitor / 2wires to door 1 / 3 wires to door 2 (non-polarity)
Distance	28 meters (Ø0.5 UTP)
Operation Temp	-10°C ~+50°C
Dimension(mm)	127(W)×193(H)×54(D)

## DOOR CAMERA DRC-40YFD · 40YHD · 40YV

NEW



- Wall-mounted type
- 2 Door open camera • House call and talk
- Built-in illumination sensor and white LED
- Available for indoor and outdoor
- AHD 2M pixel(DRC-40YFD), 1MP(DRC-40YHD), 0.52MP(DRC-40YV)

Power source	DC 12V(From monitor)
Angle of view	135°(D)
Wiring	4 wires
Distance	28 meters (Ø0.5 UTP)
Operation Temp	-10°C ~+50°C
Dimension(mm)	102.5(W)×160(H)×50(D)

## DOOR CAMERA DRC-40KHD



- Wall-mounted type
- House call and talk
- Built-in illumination sensor and white LED
- Available for indoor and outdoor
- AHD 1.3M pixel

Power source	DC 12V(From monitor)
Angle of view	112°(D)
Wiring	4 wires
Distance	28 meters (Ø0.5 UTP)
Operation Temp	-10°C ~ +40°C
Dimension(mm)	96(W)×155(H)×32(D)

## DOOR CAMERA DRC-4CPHD · 4CPHD2

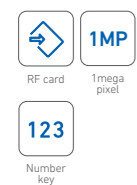


- Built-in illumination sensor and white LED
- Available for indoor and outdoor
- Wall-mounted type
- House call and talk
- DRC-4CPHD : AHD 1.3M pixel
- DRC-4CPHD2 : AHD 2M pixel

Power source	DC 12V(From monitor)
Angle of view	97°(D)
Wiring	4 wires
Distance	28 meters (Ø0.5 UTP)
Operation Temp	-10°C ~+40°C
Dimension(mm)	58.7(W)×164(H)×42(D)

## DOOR LOCK CAMERA DRC-41DK · 41DKH

NEW



- AHD 1MP(DRC-41DKH), 0.52MP(DRC-41DK)
- 2 Door open camera
- 3 way access (PW, RF Card, Video phone)
- Enter the password using 10key
- Illuminance sensor • House call and talk
- Built-in type • Built-in white LED

Power source	DC 12V (Adaptor)
Min. illumination	0.1Lux (up to 300mm)
Imaging angle	110° diagonal
Angle of view	Horiz. 75° Vert. 55°
Wiring	4 wires to a monitor / 2wires to door 1 / 3 wires to door 2 (non-polarity)
Distance	28 meters (Ø0.5 UTP)
Operation Temp	-10°C ~+50°C
Dimension(mm)	127(W)×193(H)×63(D)

## DOOR CAMERA DRC-40QFD · 40QHD · 40QV

NEW

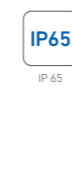


- AHD 2MP(DRC-40QFD), 1MP(DRC-40QHD)
- Built in illumination sensor and white LED
- House call and talk
- Flush-mounted type

Power source	DC 12V(From monitor)
Angle of view	Horiz. : 75°, Vertical : 55° (Adjustable)
Wiring	4 wires
Distance	28 meters (Ø0.5 UTP)
Operation Temp	-10°C ~ +40°C
Dimension(mm)	110(W)×131(H)×13.5(D)

## DOOR CAMERA DRC-4PIP

NEW



- Illumination sensor & Night LED (IR LED)
- Volume control

Power source	DC 12V(From monitor)
Mount type	Flushed-mounted type
Camera	0.52MP
IP Rating	IP65
Wiring	4 wires
Camera angle	110~120°
Operation temp.	-30°C ~ +50°C
Dimension(mm)	50(W)×135(H)×26(D)

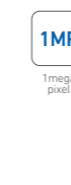
## MAGNETIC SENSOR MS-10



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

Power source	DC 9~13V
Consumption	Max 10mA
Effective range	27mm
Detection type	N.C
Reed S/W	Flex/MDSR Type
Operation temp.	-20°C~+70°C
Dimension(mm)	12(W)×55(H)×13(D)

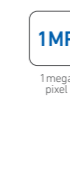
## IR DOME CAMERA CAD-102R



- 1280x960 HD video output • 0.05 Low Lux
- Built-in IR Cutter Filter
- Use traditional CCTV coaxial cable transmission
- The maximum transmission distance up to 500 meters • Plastic casing, Easy installation

Power source	DC 12V
Mount type	Flush-mounted type
Operating temp.	-20°C~+50°C
Wiring ports	UTP(CAT. 5e)
Distance	Max.300m
Angle of view	Horiz. : 81°, Vert.: 66°
Dimension(mm)	249(W)×256(H)×7(36)(D)
Installation hole size(mm)	210(W)×216(H)

## IR BULLET CAMERA CAU-102R



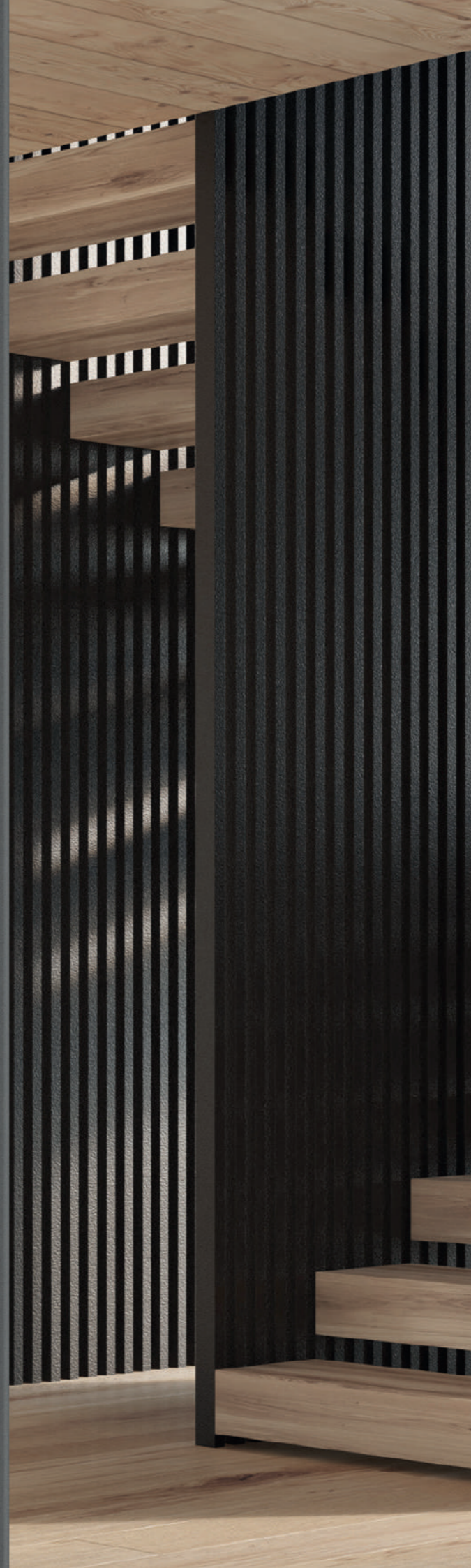
- 1280x960 HD video output • 0.05 Low Lux
- Built-in IR Cutter Filter
- Use traditional CCTV coaxial cable transmission • The maximum transmission distance up to 500 meters

Power source	DC 12V
Mount type	Flush-mounted type
Operating temp.	-20°C~+50°C
Wiring ports	UTP(CAT. 5e)
Distance	Max.300m
Angle of view	Horiz. : 81°, Vert.: 66°
Dimension(mm)	249(W)×256(H)×7(36)(D)
Installation hole size(mm)	210(W)×216(H)

Single house

# FINE VIEW

FINE VIEW is the world's leading videophone. It provides clear video quality through COMMAX's specialized 'FINE VIEW' technology.



## VIDEOPHONE

NEW

CDV-70Y



### Window Color

- Black smog
- White

### Cover Color

- Dark silver
- White
- Space blue
- Bronze
- Silver
- Pink gold

- PAL/NTSC convertible
- Video talk and door release enable
- Support 2 Monitors, 2 Cameras and 2 Interphones

Power source	AC 100-240V, 50/60Hz
Display	7 inch TFT LCD
Mount type	Wall-mounted type
Wiring	Door camera : 4 wires, Interphone : 4 wires
Consumption	Max.12W / standby 3W
Distance	Door camera : 28m (0.5Ø) / Interphone : 30m(0.65Ø)
Dimension(mm)	265(W)×184(H)×22(D)

## VIDEOPHONE

NEW

CDV-43Y



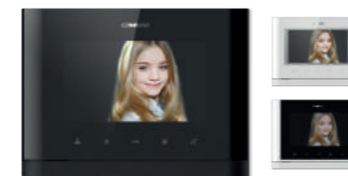
- Video talk and door release enable
- Support 2 Monitors, 2 Cameras and 2 Interphones
- PAL/NTSC convertible

Power source	AC 100-240V, 50/60Hz
Display	4.3 inch TFT LCD screen
Mount type	Wall-mounted type
Wiring	Door camera 1, 2 : 4 wires Interphone : 4 wires
Distance	Door camera : 28m (0.5Ø) / Interphone : 30m(0.65Ø)
Dimension(mm)	171(W)×184(H)×24(D)

## VIDEOPHONE

NEW

CDV-77M



- PAL/NTSC convertible
- Video talk and door release enable
- Support 2 Monitors, 2 Cameras and 2 Interphones

Power source	AC 100-240V, 50/60Hz
Display	7 inch TFT LCD screen
Mount type	Wall-mounted type
Wiring	Door camera 1, 2 : 4 wires Interphone : 4 wires
Consumption	Max.15W, standby 3W
Distance	Door camera : 28m(0.5Ø) / Interphone : 30m(0.65Ø)
Dimension(mm)	244(W)×180(H)×18(D)

## DOOR CAMERA

NEW

DRC-4PIP



- Illumination sensor & Night LED (IR LED)
- Volume control

Power source	DC 12V(From monitor)
Mount type	Flushed-mounted type
Camera	0.52MP
IP Rating	IP65
Wiring	4 wires
Camera angle	110~120°
Operation temp.	-30°C ~ +50°C
Dimension(mm)	50(W)×135(H)×26(D)

## DOOR CAMERA

NEW

DRC-4LN



- Wall-mounted type
- House call and talk
- Built-in illumination sensor and white LED
- Volume control

Power source	DC 12V(From monitor)
Angle of view	Horiz. 68° Vertical 50°
Wiring	4 wires
Distance	28m(0.5Ø)
Operation Temp	-10°C~+50°C
Dimension(mm)	99.8(W)×142.4(H)×35.2(D)

## VIDEOPHONE CDV-70H2



- PAL/NTSC convertible
- Video talk and door lock release enable
- Support 2 monitors, 2 cameras and 2 Interphones
- Intercommunication with sub monitor and interphone

<b>Power source</b>	AC 100-240V, 50/60Hz
<b>Display</b>	7 inch TFT LCD
<b>Mount type</b>	Wall-mounted type
<b>Wiring</b>	Door camera 1, 2 : 4 wires Sub interphone : 4 wires
<b>Distance</b>	Door camera : 28m(0.5Ø) / Interphone : 30m(0.65Ø)
<b>Dimension(mm)</b>	180(W)x180(H)x28(D)

## VIDEOPHONE CDV-70N2 · 70NM



- Video talk and door lock release enable
- Handset type design
- Expandable up to 2 monitors, 2 door cameras and 2 interphones (CDV-70N2)
- Memory storing in Micro SD memory (SD Card is not included CDV-70NM)

<b>Power source</b>	AC 100-240V, 50/60Hz
<b>Display</b>	7 inch TFT LCD
<b>Mount type</b>	Wall-mounted type
<b>Wiring</b>	CDV-70NM : Door camera : 4 wires / Interphone : 4 wires CDV-70N2 : Door camera 1, 2 : 4 wires / Sub interphone : 4 wires
<b>Distance</b>	Door camera : 28m(0.5Ø) / Interphone : 30m(0.65Ø)
<b>Dimension(mm)</b>	230(W)x180(H)x28(D)

## VIDEOPHONE CDV-70MH



- PAL/NTSC convertible
- Video talk and door lock release enable
- Support 2 Monitors, 2 Cameras and 2 Interphones
- Handset type design

<b>Power source</b>	AC 100-240V, 50/60Hz
<b>Display</b>	7 inch TFT LCD
<b>Mount type</b>	Wall-mounted type
<b>Wiring</b>	Door camera 1, 2 : 4 wires Interphone : 4 wires
<b>Distance</b>	Door camera : 28m(0.5Ø) Interphone : 30m(0.65Ø)
<b>Dimension(mm)</b>	293(W)x180(H)x34(D)

## DOOR CAMERA DRC-4CPN3



- Built-in illumination sensor
- Outdoor model
- Wall-mounted type
- House call and talk
- 2 door open camera

<b>Power source</b>	DC 12V(From monitor)
<b>Lighting</b>	Built-in white LED
<b>Angle of view</b>	97°(D)
<b>Wiring</b>	4 wires
<b>Distance</b>	28m(0.5Ø) 50m(0.65Ø)
<b>Operation Temp</b>	-10°C~+50°C
<b>Dimension(mm)</b>	58.7(W)x164(H)x42(D)

## DOOR CAMERA DRC-41M · 4M



- Built-in illumination sensor
- House call and talk
- Built-in white LED
- DRC-41M : Wall-mounted type  
DRC-4M : Flush mounted type

<b>Power source</b>	DC 12V(From monitor)
<b>Angle of view</b>	Horiz. 75° Vertical 55°
<b>Wiring</b>	4 wires
<b>Distance</b>	28m(0.5Ø)
<b>Operation Temp</b>	-10°C~+50°C
<b>Dimension(mm)</b>	112.2(W)x146.2(H)x44.3(D)

## DOOR CAMERA DRC-40K



- Illuminance sensor
- Out door model
- Surface-mounted type
- House call and talk
- Built-in white LED

<b>Power source</b>	DC 12V(From monitor)
<b>Angle of view</b>	Horiz. 75° Vertical 55°
<b>Wiring</b>	4 wires
<b>Distance</b>	28m(0.5Ø)
<b>Operation Temp</b>	-10°C~+50°C
<b>Dimension(mm)</b>	96(W)x155(H)x32(D)

## VIDEOPHONE CDV-43M



- Video talk and door lock release enable
- Support 2 Monitors, 2 Cameras and 2 Interphones
- PAL/NTSC convertible

<b>Power source</b>	AC 100-240V, 50/60Hz
<b>Display</b>	4.3 inch TFT LCD
<b>Mount type</b>	Wall-mounted type
<b>Wiring</b>	Door camera 1, 2 : 4 wires Interphone : 4 wires
<b>Distance</b>	Door camera : 28m (0.5Ø) Interphone : 30m(0.65Ø)
<b>Dimension(mm)</b>	180(W)x180(H)x28(D)

## VIDEOPHONE CDV-43K2



- Support 2 monitors, 2 cameras and 2 Interphones
- Intercommunication with sub monitor and interphone
- Built-in memory storing in SD memory (SD Card is not included)

<b>Power source</b>	AC 100-240V, 50/60Hz
<b>Mount type</b>	Wall-mounted type
<b>Wiring</b>	Door camera 1, 2 : 4 wires Sub interphone : 4 wires
<b>Distance</b>	Door camera : 28m (0.5Ø) / Interphone : 30m(0.65Ø)
<b>Dimension(mm)</b>	157(W)x167(H)x28(D)

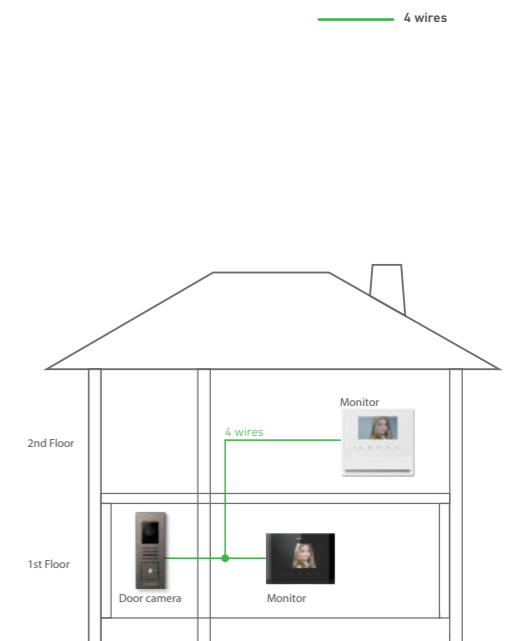
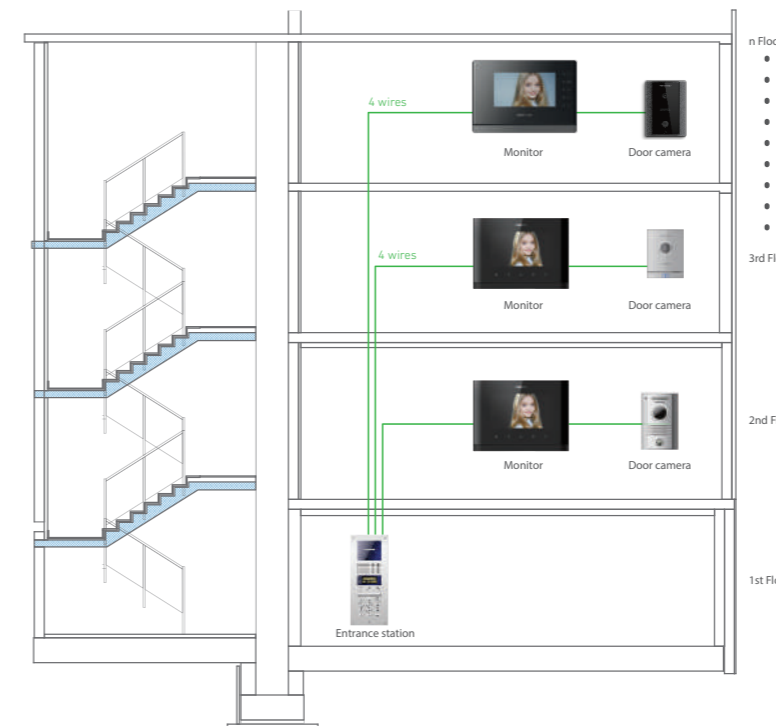
## DOOR CAMERA DRC-4Y



- Illuminance sensor In door model
- House call and talk Built-in white LED

<b>Power source</b>	DC 12V(From monitor)
<b>Wiring</b>	4 wires
<b>Distance</b>	28m(0.5Ø), 50m(0.65Ø)
<b>Operation Temp</b>	-10°C~50°C
<b>Dimension(mm)</b>	92(W)x150(H)x35(D)

## APPLICATION | FINE VIEW



# MULTI BUTTON ENTRANCE STATION (Only for Videophone)

MULTI BUTTON ENTRANCE STATION is optimized for small sized apartment and condo complexes. It can be combined with COMMAX FINE VIEW SERIES. (CDV-70QT, CDV-70Y, CDV-43Y, etc)



## MULTI BUTTON ENTRANCE STATION

DRC-2/4/6/8/10ML/RF1



DRC-10ML DRC-8ML DRC-6ML DRC-4ML DRC-2ML

- RF card registration and deletion
- Extendable to DRC-24XM(F)
- 2/4/6/8/10 direct buttons
- OLED
- Built-in white LED

Power source	DC 12V
Operation temp.	-20°C~+50°C
Wiring ports	4 wires
Camera viewing angle	Horiz. : 75° Vert. : 55°
Distance	28m(0.5Ø) 50m(0.65Ø)
Dimension(mm)	DRC-2(4)ML/RF1 : 130(W)x246(H)x50(D) DRC-6(8,10)ML/RF1 : 130(W)x315(H)x50(D)

## MULTI BUTTON ENTRANCE STATION

DRC-2/3/4UC



DRC-2UC DRC-3UC DRC-4UC

- 2/3/4 button wide name plate
- Material : Aluminum
- House call and talk
- Built-in white LED
- DC 12V

Operation temp.	-10°C~+50°C
Wiring ports	4 wires
Camera angle adjusting	Ascendant : 13° Descendant : 13°
Distance	28m(0.5Ø) 50m(0.65Ø)
Dimension(mm)	130(W)x250(H)x50(D)
Installation hole size(mm)	115(W)x223(H)
Fillup box size(mm)	122(W)x239(H)x10(37)(D)

## MULTI BUTTON ENTRANCE STATION

DRC-24XM(F)



- 24 Direct buttons panel(DRC-24XM) extensibility
- Extendable to DRC-24XM(F)

Power source	From DRC-6/8/10ML
Mount type	Flush-mounted type
Operation temp.	-20°C~+50°C
Dimension(mm)	130(W)x315(H)x10(D)
Installation hole size(mm)	110(W)x286(H)

## MULTI BUTTON ENTRANCE STATION

DRC-5/6/7UC



DRC-5UC DRC-6UC DRC-7UC

- 5/6/7 button wide name plate
- Material : Aluminum
- House call and talk
- Built-in white LED
- DC 12V

Operation temp.	-10°C~+50°C
Wiring ports	4 wires
Camera angle adjusting	Ascendant : 13° Descendant : 13°
Distance	28m(0.5Ø) 50m(0.65Ø)
Dimension(mm)	130(W)x250(H)x50(D)
Installation hole size(mm)	115(W)x223(H)
Fillup box size(mm)	122(W)x239(H)x10(37)(D)

# MULTI BUTTON AUDIO STATION

MULTI BUTTON AUDIO STATION is optimized for small and medium sized apartment and condo complexes. It enhances security with access control.



## MULTI BUTTON AUDIO STATION

DR-24ML



- 24 button wide name plate
- Metal design
- House call and talk
- LED light
- Connect with extension panel
- Connect with DP-SS, DP-RS, DP-ML

Power source	DC 12V
Data transmission	3 wire in common +1 wire
Dimension(mm)	130(W)×315(H)×10(D)

## MULTI BUTTON AUDIO STATION

DR-26XM/28XM/30XM/32XM



DR-26XM DR-28XM DR-30XM DR-32XM

- 26~32 button wide name plate
- Metal design
- House call and talk
- LED light
- Connect with extension panel
- Connect with DP-SS, DP-RS, DP-ML

Direct button	26 / 28 / 30 / 32 Button
Operation Temp.	-20°C~+50°C
Dimension(mm)	130(W)×248(H)×12(23)(D)
Installation hole size(mm)	112(W)×211(H)

## MULTI BUTTON AUDIO STATION

DR-2/4/6/8UM



DRC-2UM DRC-4UM DRC-6UM DRC-8UM

- 2/4/6/8 button wide name plate
- Material : Aluminum
- LED light
- House call and talk

Power source	DC 12V
Data transmission	3 wire in common +1 wire
Communication	Hands-free type
Dimension(mm)	130(W)×315(H)×10(D)
Installation hole size(mm)	110(W)×284(H)
Fillup box size(mm)	130(W)×315(H)×10(37)(D)

## MULTI BUTTON AUDIO STATION

DR-nUS



- Slave panel
- DR-4US/6US/8US/10US/12US
- Material : Aluminum
- LED light
- House call and talk

Power source	DC 12V
Data transmission	3 wire in common +1 wire
Communication	Hands-free type
Dimension(mm)	130(W)×315(H)×10(D)
Installation hole size(mm)	110(W)×284(H)
Fillup box size(mm)	130(W)×315(H)×10(37)(D)

# AUDIO PHONE

AUDIO PHONE is a standard product that provides a better audio quality along with its refined design.



## AUDIO PHONE DP-RS



- Door release
- Talk with a visitor
- User friendly handset design with convenient hand grip
- Link with Multi-Pannel (DR-nUM)

Power source	DC 12V(from Multipanel)
Mount type	Wall-mounted type
Wiring ports	4 wires
Distance	Door unit : 100m (0.65Ø)
Dimension(mm)	58.3(W)×209(H)×48(D)

## AUDIO PHONE DP-SS



- Up to 56ea
- Talk with a visitor
- Door release

Power source	AC 110/220/230/240V 50/60Hz
Mount type	Wall-mounted type
Wiring ports	Call : 2 wires Door Release : 2 wires (1.6Ø Copper wire)
Distance	100m(0.65Ø), 150m(0.8Ø)
Dimension(mm)	108(W)×210(H)×33(61)(D)

## AUDIO PHONE DP-ML



- Talk with a visitor
- Door release
- Up to 56ea
- Talk with a guard(DP-ML)

Power source	AC 220V
Mount type	Wall-mounted type
Wiring ports	4 wires
Distance	100m(0.65Ø) 150m(0.8Ø)
Dimension(mm)	98(W)×208(H)×38(61)(D)

## AUDIO PHONE DP-2LD



- Battery operated(6V) or DC 9~12V Adaptor
- 2 wires with non-polarity
- Door release
- Talk with a visitor

## AUDIO PHONE DP-2S



- 2 wires with non-polarity
- User friendly handset design with convenient hand grip
- Talk with a visitor
- Door release

## AUDIO PHONE DP-201LA



- Talk with a visitor
- Door release
- 2 wires with non-polarity
- AC 12V Power enable with Door release button

## AUDIO PHONE DP-LA101M/S



- Talk with a visitor
- Door release
- 2 wires with non-polarity
- Power supply for door lock release(12V)

## AUDIO PHONE DP-LA01M/S



- Talk with a visitor
- Door release
- 2 wires with non-polarity
- User friendly handset design with convenient hand grip

### AUDIO DOOR UNIT

## AUDIO DOOR UNIT DR-201D



- House call and talk
- 2-wire entrance panel

## AUDIO DOOR UNIT DR-2L



- House call and talk
- 2-wire entrance panel

## AUDIO DOOR UNIT DR-2GN / 2PN



- Vandal proof
- House call and talk
- 2-wire entrance panel

# INTERPHONE / INTERCOM

COMMAX provides INTERPHONE and INTERCOM global standards with distinguished design and high-quality communication system.



## INTERPHONE

TP-NR



- Talk with a visitor
- User friendly handset design with convenient hand grip

Power source	DC 24V(from TP-12RM)
Mount type	Wall-mounted type
Wiring ports	2 wires
Distance	100m(0.65Ø), 150m(0.8Ø)
Dimension(mm)	58.3(W)×209(H)×48(D)

## INTERPHONE

TP-6RC



- Variable system composition(6 units)
- ID setting enabled with dip switch
- Effective calling to all units by paging function
- Door lock release
- Calling & paging

Power source	DC 12V, 200mA
Mount type	Wall-mounted type
Wiring ports	Common 4 wires
Distance	500m(0.65Ø)
Dimension(mm)	116(W)×208(H)×43(65)(D)

## INTERPHONE

TP-12RC



- Variable system composition(12 units)
- ID setting enabled with dip switch
- Effective calling to all units by paging function
- Door lock release
- Calling & paging

Power source	DC 12V, 200mA
Mount type	Wall-mounted type
Wiring ports	Common 4 wires
Distance	500m(0.65Ø)
Dimension(mm)	116(W)×208(H)×43(65)(D)

## INTERPHONE

TP-12RM



- Supporting up to 12 pcs of TP-S, TP-NR(sub-unit)
- Covering total system just through one power installation
- Calling to each station
- LED indication

## INTERPHONE

TP-90RN



- Paging • Speaker phone
- Caller ID display on FND display
- 3 Channel simultaneous communication
- Group call • Broadcasting
- Privacy function
- Expandable up to 90 pcs

## INTERPHONE

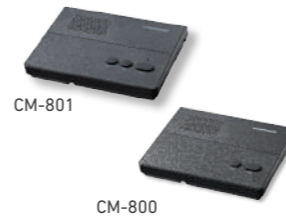
TP-1L



- Recommended for hospital, guard station and office environment
- 1:1 paging and talking feature
- Convenient & Flexible installation using 1.5V batteries

## INTERCOM

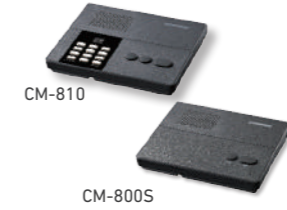
CM-801 · 800



- Enabling long distance communication through PTT function
- Calling to household
- Indicating in-use status

## INTERCOM

CM-810 · 800S



- Calling ID display on the FND display with adjustable sound level
- Expandable up to 10 Units
- Enabling long distance communication through PTT

## INTERCOM

CM-810M



- Calling ID display on the FND display with adjustable sound level
- Expandable up to 10 Units
- Enabling long distance communication through PTT

## WIRELESS INTERCOM

WI-3SN



- No cross of wires
- Can be installed anywhere with AC outlet
- Enabling long distance communication through PTT(priority call function)

## WIRELESS INTERCOM

WI-2B



- No cross of wires
- Available to install anywhere with AC outlet
- Enabling long communication through PTT(priority call function)

## POWER INTERCOM

PI-30LN/20LN/10LN



- System capacity : Max 30 Units
- Group paging & whole paging and communicating
- Receiving Lamp(flicker)
- Control speaker volume and beep sound

# 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

NEW

CDL-88PBio



## PREMIUM DOOR LOCK

NEW

CDL-88PB · 88P



- 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))

<b>Applicable</b>	Normal fire door	Thickness 40mm ~ 80mm
	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)
<b>Access methods</b>	RF card	Up to 100 cards (1 Rf Card per 100 users)
	Mechanical Key	Individual mechanical lock
	Fingerprint	Up to 100 Fingerprints
<b>Power source</b>	DC 6V	Alkaline AA battery 8pcs (LR6 1.5V AA size)
<b>Type of product</b>	Fireproof type, Temperature sensor type, Key type, Master key door lock	
<b>Temp. alarm</b>	Temperature sensor 60 degree ± 10 degree	
<b>Option</b>	Monitor Remote module(447.275Mhz)	
<b>Dimension(mm)</b>	84(W)x454(H)x50(D)	

- 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)
- Emergency power(Micro USB 5V)
- Monitor Remote module(447.275Mhz) (optional)
- ONE KEY(Bluetooth) (CDL-88PB)

<b>Applicable</b>	Normal fire door	Thickness 40mm ~ 80mm
	Smart phone	One key App.
	Pin number (Number plate)	4~12 digit number combination (Up to 4 pin number)
<b>Access methods</b>	RF Card	Up to 30 cards
	Mechanical Key	Individual mechanical lock
	Fingerprint	Up to 100 Fingerprints
<b>Power source</b>	DC 6V	Alkaline AA battery 8pcs (LR6 1.5V AA size)
<b>Type of product</b>	Fireproof type, Temperature sensor type, Key type, Master key door lock	
<b>Temp. alarm</b>	Temperature sensor 60 degree ± 10 degree	
<b>Option</b>	Monitor Remote module(447.275Mhz)	
<b>Dimension(mm)</b>	84(W)x454(H)x50(D)	



## FACE RECOGNITION DOOR LOCK

NEW

CDL-3PRBio



## FACE RECOGNITION DOOR LOCK

NEW

CDL-300L Bio



- 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)
- Monitor Remote module(447.275Mhz) (optional)

- 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

<b>Applicable</b>	Normal fire door	Thickness 40mm ~ 60mm
<b>Access methods</b>	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
<b>Power source</b>	DC 6V	Alkaline AA battery 8pcs (LR6 1.5V AA size)
<b>Type of product</b>	Fireproof type, Temperature sensor type, Key type, Master key door lock	
<b>Temp. alarm</b>	Temperature sensor 60 degree ± 10 degree	
<b>Dimension(mm)</b>	72(W)x377(H)x80(D)	

<b>Applicable</b>	Normal fire door	Thickness 40mm ~ 60mm
<b>Access methods</b>	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
<b>Power source</b>	DC 6V	Alkaline AA battery 8pcs (LR6 1.5V AA size)
<b>Type of product</b>	Fireproof type, Temperature sensor type, Key type, Master key door lock	
<b>Temp. alarm</b>	Temperature sensor 60 degree ± 10 degree	
<b>Dimension(mm)</b>	80(W)x382(H)x70(D)	

## SMART DOOR LOCK

NEW

CDL-230P · 230PB · 240P



- 4 way access methods(RF Card, Pin number, Mechanical Key, Connected Monitor(option))
- Durable body for protecting against high temp. and shock
- High temp. detection, alert and automatic unlocking
- Multi-layered authentication(Pin number/RF Card)
- Emergency power(9V alkaline battery)
- ONE KEY(Bluetooth) (CDL-230PB)
- Fingerprint(Up to 100 Fingerprints) (CDL-230P)

<b>Applicable</b>	Normal fire door	Thickness 40mm ~ 60mm
<b>Access methods</b>	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)
<b>Power source</b>	DC 6V	Alkaline AA battery 8pcs (LR6 1.5V AA size)
<b>Type of product</b>	Fireproof type, Temperature sensor type, Key type, Master key door lock	
<b>Temp. alarm</b>	Temperature sensor 60 degree ± 10 degree	
<b>Dimension(mm)</b>	80(W)x382(H)x71(D)	

## ROCK AND LOCK

CDL-800WL · 100WL



- 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)

<b>Applicable</b>	Interior door	Thickness 35mm ~ 50mm
<b>Access methods</b>	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
<b>Power source</b>	DC 6V	Alkaline AA battery 4pcs (LR6 1.5V AA size)
<b>Type of product</b>	Non Fireproof type, Temperature sensor type, Key type, Master key door lock	
<b>Temp. alarm</b>	Temperature sensor	60 degree ± 10 degree
<b>Dimension(mm)</b>	95(W)x95(H)x71(D)	

## SMART DOOR LOCK

CDL-107U



- 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

<b>Applicable</b>	Indoor door	Thickness 35mm ~50mm
	Pin number	4~10 digit number combination
<b>Access methods</b>	Z-WAVE	Smartphone
	Mechanical Key	Individual mechanical lock
<b>Power source</b>	DC 6V	Alkaline AA battery 4pcs (LR6 1.5V AA size)
<b>Type of product</b>	Temperature sensor type	
<b>Temp. alarm</b>	Temperature sensor	60 degree ± 10 degree(Normal test)
<b>Option</b>	Monitor Remote module(447.275Mhz)	
<b>Dimension(mm)</b>	85(W) x 175(D) x 30(H)	

## SMART DOOR LOCK

CDL-200P · 210P



- Push pull Doorlock with 3(4) way access methods (RF card, Pin number, Mechanical key, Fingerprint(CDL-210P))
- Connectivity with home network system using remote controller(option)
- 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-210P)
- Fireproof type, Temperature sensor type, Key type, Master key door lock
- Monitor Remote module(447.275Mhz) (optional)

<b>Applicable</b>	Normal fire door	Thickness 40mm ~60mm
	Pin number	4~12 digit number combination (Up to 4 pin number)
<b>Access methods</b>	RF card	Up to 30 cards
	Mechanical Key	Individual mechanical lock
	Fingerprint	Up to 100 Fingerprint (CDL-210P)
<b>Power source</b>	DC 6V	Alkaline AA battery 8pcs (LR6 1.5V AA size)
<b>Type of product</b>	Fireproof type, Temperature sensor type, Key type, Master Key doorlock	
<b>Temp. alarm</b>	Temperature sensor	60 degree ± 10 degree
<b>Option</b>	Home network Remote module	
<b>Dimension(mm)</b>	80(W) x 382(D) x 71(H)	

## SMART DOOR LOCK

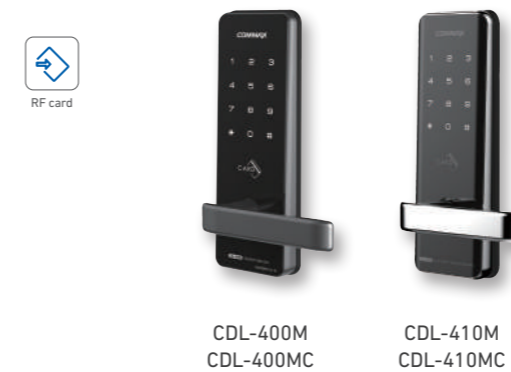
CDL-200L · 210L



- Lever Type Doorlock with 3(4) way access methods (RF card, Pin number, Mechanical key, Fingerprint(CDL-210L))
- Connectivity with home network system using remote controller(option)
- Emergency power(9V alkaline battery(optional))
- Indoor door Thickness 40mm ~ 60mm
- 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)
- DC 6V (Alkaline AA battery 8pcs (LR6 1.5V AA size))
- Fireproof type, Temperature sensor type, Key type, Master key door lock
- 60 degree ± 10 degree Temperature sensor
- Monitor Remote module(447.275Mhz) (optional)
- Dimension(mm) : 77(W)x302(H)x71(D)

## SMART DOOR LOCK

CDL-400M·410M·400MC·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))
- Indoor door Thickness 40mm ~ 60mm
- Pin number 4~12 digit number combination (Up to 4 pin number) / RF Card(Up to 30 cards)
- DC 6V (Alkaline AA battery 4pcs(LR6 1.5V AA size))
- Non Fireproof type, Temperature sensor type, Key type, Master key door lock
- 60 degree ± 10 degree Temperature sensor
- Monitor Remote module (CDL-400MC/410MC)
- Dimension(mm) : 80(W)x230(H)x63(D)

## SMART DOOR LOCK

CDL-300L · 310L



- 3(4) way access methods (RF Card, Pin number, Mechanical key, Fingerprint(CDL-310L))
- Durable body for protecting against high temp. and shock
- Connectivity with home network system using remote controller(option)
- Emergency power (Micro USB 5V 5pin (option))
- Indoor door Thickness 40mm ~ 60mm
- 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-310L)
- DC 6V (Alkaline AA battery 8pcs (LR6 1.5V AA size))
- Fireproof type, Temperature sensor type, Key type, Master key door lock
- 60 degree ± 10 degree Temperature sensor
- Monitor Remote module(447.275Mhz) (optional)
- Dimension(mm) : 80(W)x330(H)x71(D)



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