

COMMAX PRODUCT GUIDE 2020/2021



GLOBALLY RECOGNIZED COMMAX

COMMAX LEADS THE GLOBAL BRAND AGAIN.



GOLD TOWER ORDER OF INDUSTRIAL SERVICE MERIT AWARD



NATIONAL QUALITY MERIT AWARD PRESIDENTIAL AWARD

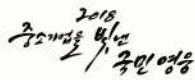


KOREA'S No.1 TIME-HONORED BUSINESS



INDUSTRIAL RESEARCH 52 AWARD

MANAGEMENT



NATIONAL HERO AWARDS FOR BRILLIANT ENTERPRISE



THE KOREA'S INFLUENTIAL CEO



KOREA DESIGN AWARD PRIME MINISTER CITATION



KOREA EMPATHY MANAGEMENT AWARD

DESIGN



IF DESIGN AWARD



REDDOT AWARD



IDEA AWARD



GOOD DESIGN AWARD

TECHNOLOGY



KOREA NATIONAL QUALITY CONTROL CIRCLES (2 GOLD PRIZE, 1 SILVER PRIZE)



GYEONGGI-DO QUALITY AWARD (3 GRAND PRIZE, 1 EXCELLENCE AWARD)



EXCELLENT QUALITY COMPETITIVENESS ENTERPRISE (for 15 CONSECUTIVE SELECTIONS)



PATENT AND TECHNOLOGY DEVELOPMENT - AWARD

BRAND



FIRST BRAND AWARDS (for 15 CONSECUTIVE YEARS)



WORLD CLASS PRODUCT OF KOREA (for 17 CONSECUTIVE YEARS)



THE KOREAN INFLUENTIAL BRAND AWARDS (for 3 CONSECUTIVE YEARS)



ADVANCED TECHNOLOGY CENTER

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A.I. HOME APARTMENT, VILLA, CONDO, TOWN HOUSE, HOTEL

COMMAX A.I. HOME is a complete solution that is easy and fast to install and is infinitely expandable to the number of households with

a system specialized for all sites such as studio offices, apartments, luxury villas, condo, and town houses.



A.I. HOME MIRROR



A.I. MONITOR



BIO DOOR LOCK



PREMIUM MONITOR



BIO LOBBY

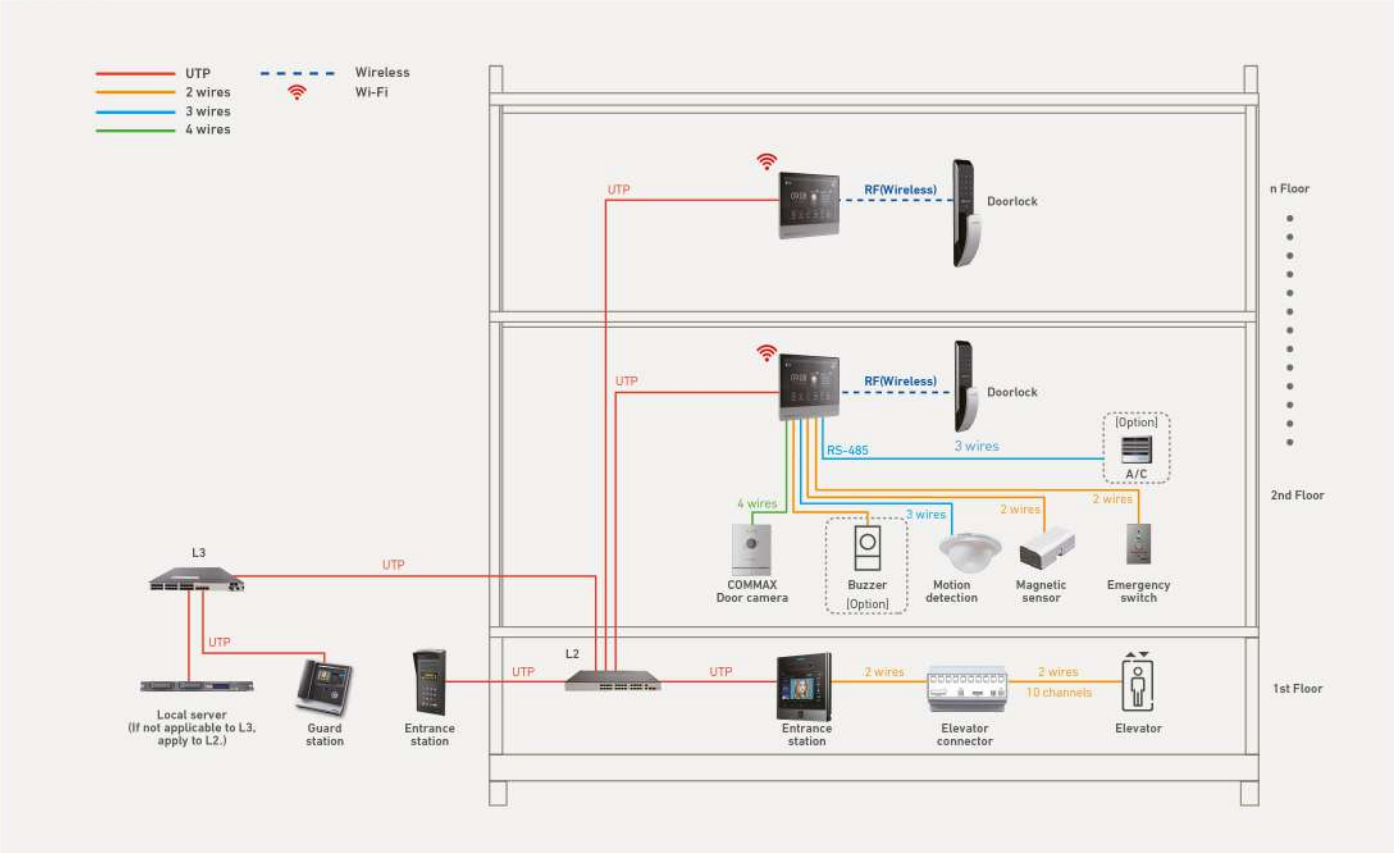
IP GATE SYSTEM

This solution is specialized for households: It is a complete solution that is easy and fast to install and can be deployed to an infinite number of households.

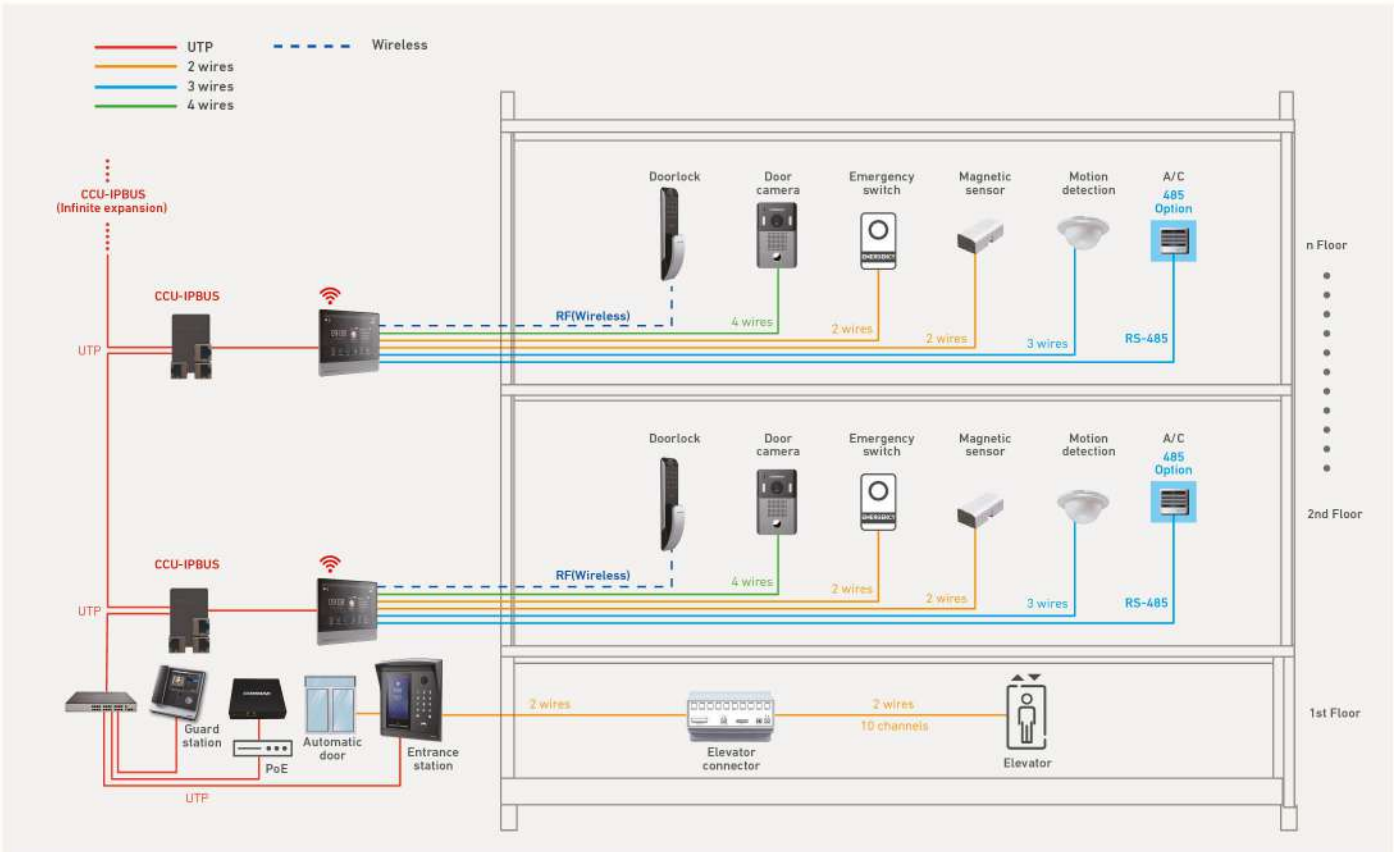


APPLICATION

IP STAR



IP BUS



MONITOR

CIP-1000QX

NEW



Connect a smartphone



PRODUCT FEATURES

- SIP based IP monitor
- Control by smartphone connection(Visitor monitoring / Door open)
- HVAC control capability (option to be discussed)
- Guard and elevator call via RS-485 method (Optional connecting CCU-310EV)
- Connecting security, emergency and PIR devices
- Auto recording when motion detected(MAX 16GB)
- Connecting slave phone and digital door lock
- 2 door cameras and 2 CCTV cameras(AHD) • DID function
- 10.1 inch TFT LCD display • AHD camera • AC type(option)

PRODUCT SPECIFICATION

Power source	AC 100~240V(50~60Hz) or DC 14V, 1.8A, PoE S/W
Mount type	Wall-mounted type
Resolution	1280 x 800
OS	RTOS
Video codec	H.264
Network	Ethernet(10/100 Base-T), Wi-Fi
Wiring ports	Door camera : 4 wires, RS-485 : 3 wires, Sensor : 5 wires, Digital door lock : 4 wires (Power : 2 wires, Opening short : 2 wires) Hub : UTP(CAT,5e), DC 12V Out : 2 wires(Only AC type)
Distance	Door camera : 28m(Ø0.5), Hub : 100m(UTP)
Operation temp.	0C ~ +40C
Dimension(mm)	250(W)x210(H)x22(D)

MONITOR

CIP-710Q

NEW



PRODUCT FEATURES

- SIP based IP monitor
- HVAC control capability (option to be discussed)
- Guard and elevator call via RS-485 method (Optional connecting CCU-310EV)
- Connecting security, emergency and PIR devices
- Auto recording when motion detected(MAX 16GB)
- Connecting slave phone and digital door lock
- 2 door cameras and 2 CCTV cameras(AHD)
- DID function • 7 inch TFT LCD display
- AHD camera • AC type(option)

PRODUCT SPECIFICATION

Power source	AC 100~240V(50~60Hz) or DC 14V, 1.8A, PoE S/W
Mount type	Wall-mounted type
Resolution	1024 x 600
OS	RTOS
Video codec	H.264
Network	Ethernet(10/100 Base-T), Wi-Fi
Wiring ports	Door camera : 4 wires, RS-485 : 3 wires, Sensor : 5 wires, Digital door lock : 4 wires (Power : 2 wires, Opening short : 2 wires) Hub : UTP(CAT,5e), DC 12V Out : 2 wires
Distance	Door camera : 28m(Ø0.5), Hub : 100m(UTP)
Operation temp.	0°C ~ +40°C
Dimension(mm)	184(W)x171(H)x22(D)

MONITOR

CIP-710M



PRODUCT FEATURES

- SIP based IP monitor
- 7 inch TFT LCD display
- 1.3MP camera
- HVAC control capability (option to be discussed)
- Guard and elevator call via RS-485 method (Optional connecting CCU-310EV)
- Connecting security, emergency, PIR devices and a digital door lock
- AC type(option)
- DID function

PRODUCT SPECIFICATION

Power source	AC 100~240V(50~60Hz) or DC 14V, 1.8A
Mount type	Wall-mounted type
Resolution	1024 x 600
OS	RTOS
Video codec	H.264
Network	Ethernet(10/100 Base-T)
Wiring ports	Door camera : 4 wires, RS-485 : 3 wires, Sensor: 5 wires, Digital door lock : 4 wires (Power : 2 wires, Opening short : 2 wires) Hub : UTP(CAT.5e), DC 12V Out : 2 wires
Distance	Door camera : 28m(Ø0.5), Hub : 100m(UTP)
Operation temp.	0°C ~ +40°C
Dimension(mm)	244(W)x180(H)x22(D)

ENTRANCE STATION

CIOT-L20M/L20M2



Rainshield(option)

- 7 inch LED Display • SIP-based VoIP system
- 2MP camera • BLE recognition
- TCP/IP Communication
- RFID card • Motion detection
- Elevator call function (Connects to CCU-310EV) (CIOT-L20M2)

Power source	DC 14V, 1.8A
Mount type	Flush-mounted type
Operating temp.	-40°C~+50°C
Wiring ports	LAN(Cat.5e)
Storage	4GB eMMC FLASH
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)

DOOR CAMERA

DRC-40QFD



- AHD 2MP
- Built in illumination sensor and white LED
- House call and talk
- Flush-mounted type

Power source	DC 12V(From a monitor)
Operation temp.	-10°C~+50°C
Wiring ports	4 wires
Camera viewing angle	Horiz. : 75°, Vertical : 55° (Adjustable)
Distance	50m(Ø0.65)
Dimension(mm)	110(W)x131(H)x13.5(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, 50mA
Protocol	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)

IP HOME IoT

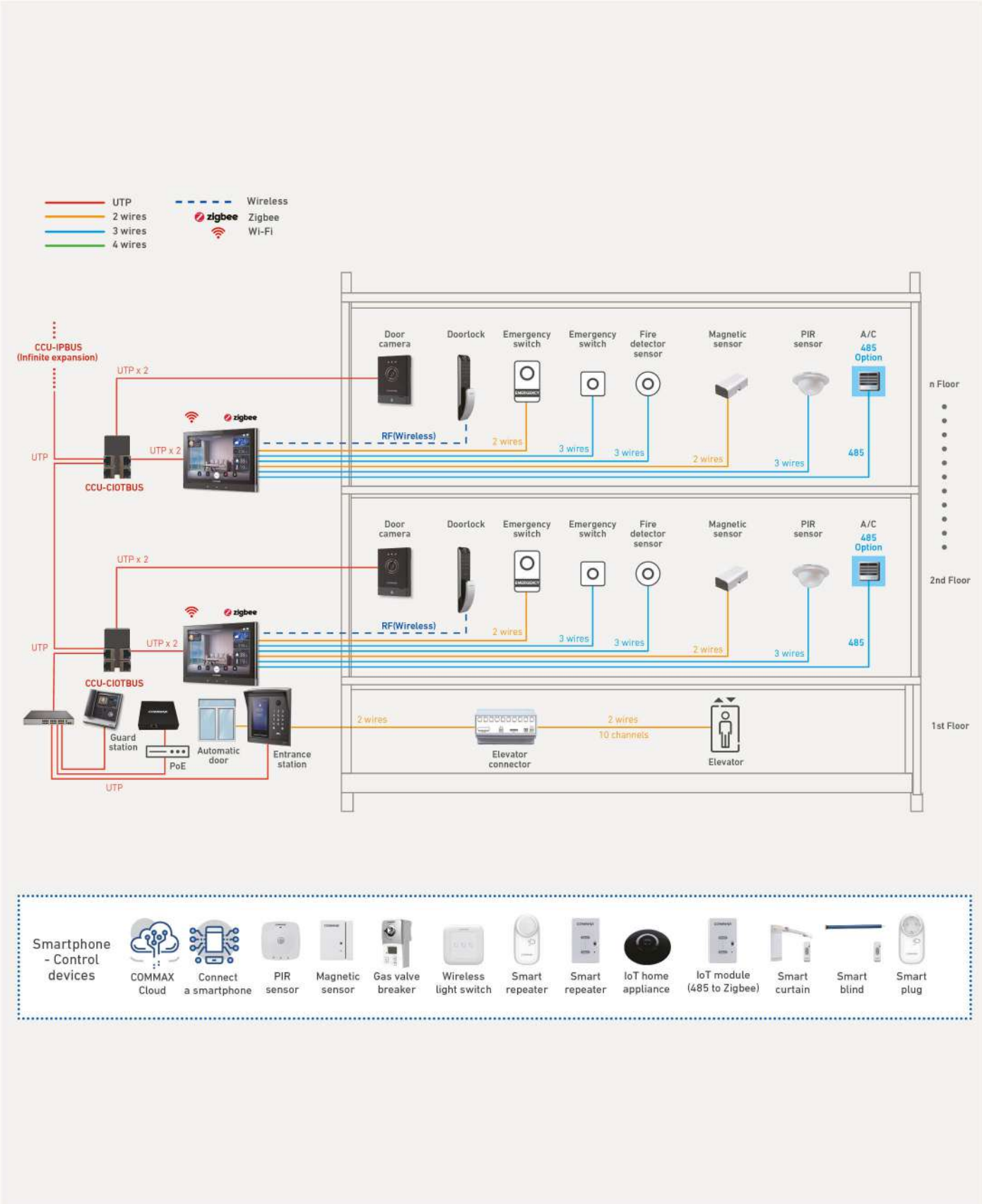
The COMMAX HOME IoT solution combines innovative technology with very easy installation.

Devices can be connected via IP only and the solution features extensive expandability and convenience.



APPLICATION

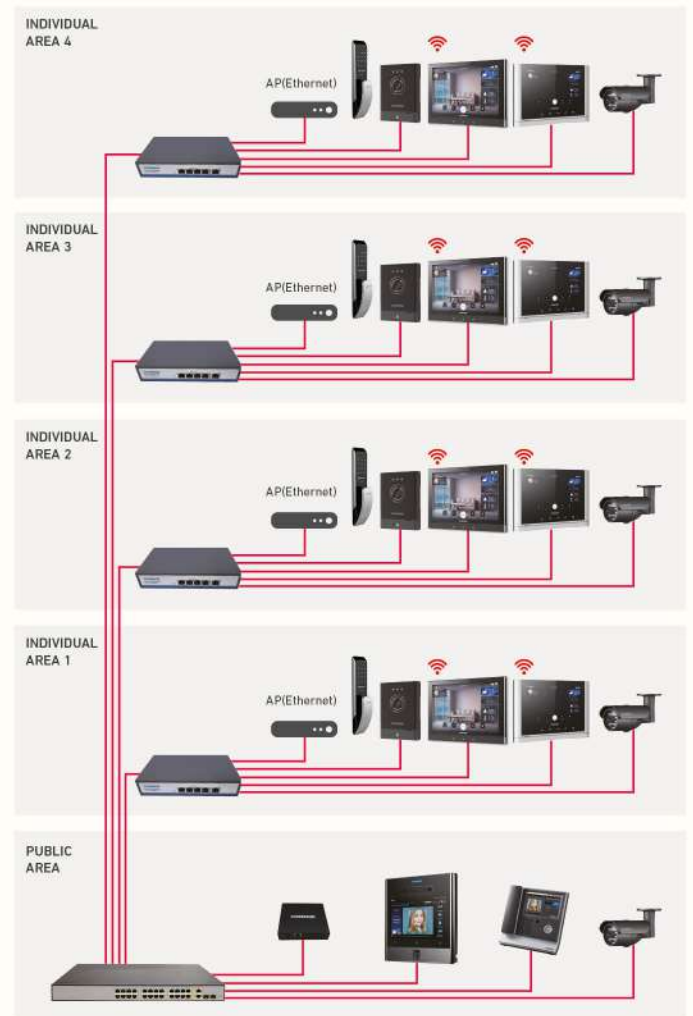
IP BUS



APPLICATION

SINGLE HOUSE

SMALL APARTMENT BUILDING TOWNHOUSE, VILLA, CONDO



WHEN USING PoE SWITCH HUB (THE ABOVE CASE)

- Device connection is based on monitor + door camera + PoE switch.
- Additional CCTV, generators and cameras can be added as many as PoE switch HUB channels.
- Single House / Small Apartment Building (A, B type) common application

- Multi-Protocol : TCP/IP, Onvif, SIP, H.264, Zigbee, Wi-Fi, BLE
- Multi-Connectivity : Wireless, Wired
- Device : Quad core CPU, FHD Resolution, Multi Touch, Built-in Memory

A.I. HOME MIRROR

CHM-2200

NEW



Connect a smartphone



PRODUCT FEATURES

- Control smart home devices with voice UX via A.I. speaker
- Smart home device and sensor interworking by wire(485) and wireless(ZigBee)
- Control various smart home appliances based on OCF
- 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

PRODUCT SPECIFICATION

Power source	AC 100V~240V, 50~60Hz
Display	22 inch (54.6cm) Mirror LCD
Resolution	1080 x 1920 (Full HD)
CPU	Hexa / Quad Core(option)
Memory / RAM	16GB eMMC (Max. 64GB) / 4GB DDR3
OS	Android
Camera	5M CMOS
Mic / Speaker	Digital MEMS x 2 / 1W x 2
Network	Ethernet(10/100/1000 Base-T), Wi-Fi (2.4GHz, 802.11b/g/n), Bluetooth, ZigBee
Wiring ports	UTP (CAT.5e)
Dimension(mm)	313.4(W)x600.4(H)x27.6(D)

A.I. MONITOR

CAP-1000A [ANSWER]

NEW



Connect a smartphone



PRODUCT FEATURES

- A.I. service platform interwork and voice recognition
- Control smart home devices by voice recognition
- Connect to IoT devices(switch, curtain, blind, gas lock, outlet and plug)
- Opened door, temperature, humidity and activity detection
- Interlock with IoT devices on monitor
- Use bluetooth speaker and extension of smartphone
- Screen brightness optimized by lighting sensor
- Home camera function(optional)

PRODUCT SPECIFICATION

Power source	DC 12V / 2A
Display	10 inch (25.7cm) Touch LCD
Resolution	1280 x 800 (WXGA)
CPU	Quad Core
Memory / RAM	16GB eMMC (Max. 64GB) / 2GB DDR3 (Max. 4GB)
OS	Android
Camera	5M CMOS
Mic	Digital MEMS x 2
Speaker	10W FR X 2ch + Passive Radiator
Network	Wi-Fi (2.4GHz, 802.11b/g/n), ZigBee (2.4GHz HA1.2), Bluetooth 4.0
Sensor	Illuminance, Proximity
Dimension(mm)	250(W)x210(H)x106.3(D)

A.I. SMART MIRROR

CSM-3200

NEW



Connect a smartphone



PRODUCT FEATURES

- Connects to IoT devices
- SIP, WiFi, Zigbee • TCP/IP Communication • Electronic frames
- Applicable for Household, Hotel, Retail outlets
- Android based UX • Providing Full HD smart mirroring environment
- Voice recognition
- Convenience : News, Calendar, TV, Public Notice
- Smart Home : Gas & Boiler and light extinguishment control
- Security : Emergency alarm, CCTV linked security and disaster prevention
- Health Care : 1:1 health check, blood glucose & body fat check etc

PRODUCT SPECIFICATION

Display	32 inch LED Display / Multi Touch
Resolution	1080 x 1920 (Full-HD)
CPU	Hexa core
Memory	2GB LPDDR3 / 16GB eMMC FLASH
OS	Android
Network	Ethernet(10/100/1000 Base-T), Wi-Fi (2.4GHz, 802.11b/g/n), Bluetooth, ZigBee
Dimension(mm)	465(W)×845(H)×50(D)

MONITOR

CIOT-1000Y



Connect a smartphone



PRODUCT FEATURES

- Google, Amazon A.I. platform 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 notifications in case of emergency, intrusion detection
- Easy registration door camera and CCTV via auto scan
- Visitor storage function (32GB of external memory)

PRODUCT SPECIFICATION

Power source	PoE S/W
Display	10.1 inch Full HD LED Display / Multi Touch
Mount type	Wall-mounted type
Resolution	1280 x 800
OS	Android
CPU	Quad core
Video codec	H.264
Network	Wi-Fi 2.4Ghz, IEEE 802.15.4, Zigbee HA 1.2(Compatible)
Dimension(mm)	261(W)×184(H)×26(D)

MONITOR

CIOT-1020M/1020M2



Connect a smartphone



PRODUCT FEATURES

- Google A.I. platform interwork and voice recognition
- Automatic recording function (door camera motion detection/32GB)
- Connectable to both wireless IoT devices (Zigbee) and wired devices (485 or General type) (CIOT-1020M2)
- Smartphone integration through COMMAX 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

PRODUCT SPECIFICATION

Power source	PoE S/W
Display	10.1 inch Full HD LED Display / Multi Touch
Mount type	Wall-mounted type
Resolution	1280 x 800
CPU	Quad core
OS	Android
Video codec	H.264
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-700M/700M2



Connect a smartphone



- Google A.I. platform interwork and voice recognition
- Automatic recording function (door camera motion detection/32GB)
- Connectable to both wireless IoT devices (Zigbee) and wired devices (485 or General type) (CIOT-700M2)
- 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

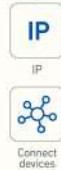
Power source	PoE S/W
Display	7 inch LED Display / Multi Touch
Mount type	Wall-mounted type
CPU	Quad core
OS	Android
Network	Wi-Fi 2.4Ghz, IEEE 802.15.4, Zigbee HA 1.2(Compatible), Ethernet(SIP)
Dimension(mm)	244(W)×180(H)×18(D)

MONITOR

CIOT-700ML



Connect a smartphone



- SIP-based VoIP System
- Connects to ACC alarm
- Auto detecting slave monitor
- TCP/IP Communication
- Link with smartphone(Call, Talk)
- Automatic recording function(32GB of external memory)

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

BIO LOBBY

CIOT-LBIO

NEW



Connect a smartphone



PRODUCT FEATURES

- Fingerprint and facial recognition
- E-Key function(Connect a smartphone)
- Door open by RF card/password
- Application of LTE Modem (option)
- Play local advertisements

PRODUCT SPECIFICATION

Power source	DC 14V, 2.1A
Display	10.1 inch LED Display / Multi Touch
Mount type	Flush-mounted type
Resolution	1024 x 600
OS	Android
CPU	Quad core
Camera	2M IP Camera(Wide angle 142°)
Dimension(mm)	260(W)×270(H)×26(50)(D)

ENTRANCE STATION

CIOT-L20M/L20M2



Connect a smartphone



Rainshield(option)



PRODUCT FEATURES

- 7 inch LED Display
- SIP-based VoIP system
- 2MP camera
- BLE recognition
- TCP/IP Communication
- RFID card
- Motion Detection
- Elevator Call function (Connects to CCU-310EV) (CIOT-L20M2)

PRODUCT SPECIFICATION

Power source	DC 14V, 1.8A
Mount type	Flush-mounted type
Operation temp.	-40°C~+50°C
Wiring ports	LAN(Cat.5e)
Storage	4GB eMMC FLASH
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)

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, 1.8A
Camera	2M pixel
Angle	90°
OS	Android
Video codec	H.264
Network	BLE, RF, Ethernet
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 LED display
- SIP-based VoIP system
- BLE recognition

Power source	DC 14V, 1.8A
Camera	2M pixel
Angle	120°
OS	Android
Video codec	H.264
Network	BLE, RF, Ethernet
Dimension(mm)	130(W)×248(H)×12(23)(D)
Installation hole size(mm)	112(W)×211(H)

ENTRANCE STATION CIOT-L8TM



Rainshield(option)

- Hidden Pinhole Camera
- Security office call enable
- Name searching through OLED display
- SIP-based VoIP system
- BLE recognition

Power source	DC 14V, 1.8A
Camera	2M pixel
Angle	120°
OS	Android
Video codec	H.264
Network	BLE, RF, Ethernet
Dimension(mm)	130(W)×248(H)×12(23)(D)
Installation hole size(mm)	112(W)×211(H)

ENTRANCE STATION CIOT-L2TM



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, 1.8A
Camera	2M pixel
Angle	120°
OS	Android
Video codec	H.264
Network	BLE, RF, Ethernet
Dimension(mm)	130(W)×248(H)×12(23)(D)
Installation hole size(mm)	112(W)×211(H)

ENTRANCE STATION CIOT-L10M



Rainshield(option)

- 10 button Direct room call
- BLE recognition
- SIP-based VoIP system
- Registering RFID card

Power source	DC 14V, 1.8A
Camera	2M pixel
Angle	120°
OS	Android
Video codec	H.264
Network	BLE, RF, Ethernet
Dimension(mm)	130(W)×248(H)×12(23)(D)
Installation hole size(mm)	112(W)×211(H)

EXTENSION PANEL CIOT-24XM



Rainshield(option)

- Extension panel with name plate
- Call a household unit
- 24 button Direct room call

Direct button	24 Button (max)
Dimension(mm)	130(W)×248(H)×12(23)(D)
Installation hole size(mm)	112(W)×211(H)

DOOR LOCK CAMERA

CIOT-D20DK

NEW



- 3 way access (Password, RF Card, Call button to request permission)
- Enter the password using 10 keypad
- Illuminance sensor
- House call and talk
- Motion detection

Power source	PoE S/W
Mount type	Wall-mounted type
Camera	2M pixel
Angle	110° diagonal
OS	Linux
Video codec	H.264
Dimension(mm)	127(W)x193(H)x54(D)

DOOR CAMERA

CIOT-D21M/D20M



CIOT-D21M CIOT-D20M

- Door lock release (DC Type)
- Link with smartphone (call, talk)
- Digital door lock connectable
- Acrylic/Metallic cover (CIOT-D21M) / Metallic cover (CIOT-D20M)
- Tact button (CIOT-D21M) / Touch button (CIOT-D20M)
- SIP-based VoIP system

Power source	PoE S/W
Mount type	Wall-mounted type
Camera	2M pixel
Angle	130°
OS	Linux
Video codec	H.264
Dimension(mm)	112(W)x146(H)x28(D)

DOOR CAMERA

CIOT-D20Y



- Door lock release (DC type)
- Connect a smartphone (call, talk)
- SIP-based VoIP system
- Touch button
- Digital Door lock connectable
- Motion Detection • Indoor Unit

Power source	PoE S/W
Mount type	Wall-mounted type
Camera	2M pixel
Angle	130°
OS	Linux
Video codec	H.264
Dimension(mm)	108(W)x146(H)x28(D)

DOOR CAMERA

CIOT-D20P



- Vandal proof design
- Smart door lock connectable
- Waterproof (IP 67) • IR LED, range up to 10m
- Day/Night mode & electromechanical IR filter
- Support two-way SIP channel
- Comply with ONVIF Profile S specifications

Power source	PoE S/W
Mount type	Wall-mounted type
Camera	2M pixel, Horiz. 90°
Protection class	IP67
Operation temp.	-10°C ~ +40°C
Wiring ports	UTP
Network	TCP/IP, IPv4, HTTP, RTP, RTSP, NTP, ICMP, SIP
Dimension(mm)	59(W)x164(H)x42(D)

EMERGENCY CALL UNIT

IPEC-911R

NEW



- Guard station call
- Emergency alarm via LED & speaker
- RF card
- VMAX interlocking
- External light bulbs can be operated(option)

Power source	PoE S/W or DC 14V, 1.8A
Mount type	Wall-mounted type
Wiring ports	UTP(Cat.5e)
Camera	2MP CMOS
Interface	Ethernet(10/100 Base-T)
Network	Onvif, SIP
Video codec	H.264
Operation temp.	-10°C~+50°C
Dimension(mm)	127(W)x196(H)x38(D)

GUARD STATION

CIOT-G700M/G701M



- GUI Touch screen • SIP-based VoIP system
- Emergency check and release • House call and talk
- Saving visitors image & video clip(Main entrance)
- CCTV monitoring in the public areas (CIOT-G701M)
- Visitor monitoring and calling at the public entrance
- Check security office visitors on the household monitor(CIOT-G701M)

Power source	DC 14V, 2.1A
Display	7 inch Touch LED Display
Mount type	Desktop / Wall-mounted type
Camera	1M pixel, 90°
OS	Android
Video codec	H.264 / MPEG4
Dimension(mm)	252(W)x247(H)x33(D)

IoT TEMP. & HUMIDITY SENSOR

CIS-ZTH02

NEW



Connect a smartphone



IoT



- To sense temperature and humidity in real time within the range (temperature/humidity error : $\pm 0.5^{\circ}\text{C}$ / $\pm 5\%$)
- To send that information to Wallpad and Gateway

Power source	DC 3V(AAAx2 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

CIS-ZP02

NEW



Connect a smartphone



IoT



- To detect motion within the range(checking on wallpad)
- To interact with wallpad 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

CIS-ZGD01

NEW



IoT



- Real time gas leak detection
- To generate emergency sounds(72dB) and information to monitor & gateway (When gas leakage is detected)
- 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 EMERGENCY BUTTON

CIA-ZEB02

NEW



IoT



- 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 SMOKE DETECTOR

CIS-ZSD01

NEW



IoT



- 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 WATER DETECTOR

CIS-ZW02

NEW



IoT



- Real time water leak detection IP 66 rated
- Triggers audible alerts through Wallpad 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 MAGNETIC SENSOR

CIS-MD02

NEW



IoT



- 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 SMART REPEATER

CIA-ZRT02

NEW



IoT



- Able to register monitor and each repeater device
- 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 SMART BLIND

CIA-ZKB01



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

Power source	AC100~250V (50~60MHz)
Output power	107W
Type of motor	Electrical Encode Motor
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

IoT SENSOR (TEMP./HUMIDITY SENSOR)

CIS-ZTH01



- Temperature and humidity measurement
- Flashes LED when battery is low
- Attachment type

Power source	CR2032 2EA, 3V
Operating Time	3 years
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 SMART CURTAIN

CIA-ZKC03



- Curtain open, close & stop function
- Wall-mounted type
- Position control of the load check system

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

IoT WIRELESS LIGHT SWITCH

CIA-ZES0A,ZES01~ZES03



- Bulk light control / Light control
- Real time status feedback
- Overload protection
- Sensitive touch control
- Zigbee communication support

Power source	90V~250V, 50Hz~60Hz
Output	CIA-ZES0A : 4000W/1&A 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 HOME APPLIANCE CONTROLLER

CIA-ZIR01

NEW



Connect a smartphone

IoT

IoT



- Able to register IR device
- Support the control of Air-conditioner, TV, and other IR house devices
- Zigbee communication support

Power source	DC 5V (Micro USB type)
Power consumption	0.75W
Frequency	2.4 ~ 2.48 GHz
Temperature	-25°C~+70°C (±1 °C)
IR distance	10m
Network	IEEE 802.15.4, Zigbee HA 1.2(Compatible)
Dimension (mm)	110(W)x32(H)

IoT GAS VALVE BREAKER

CIA-GL03

NEW



Connect a smartphone

IoT

IoT



- 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 MODULE (485 TO ZIGBEE)

CIM-52Z01

NEW



Connect a smartphone

IoT

IoT



- 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 SMART REPEATER

CIA-ZRT01

NEW



Connect a smartphone

IoT

IoT



- Able to register wallpad and each repeater device
- Extension of Zigbee wireless section and Zigbee data relay

Power source	AC 220 - 250V, 60Hz
Power consumption	Stand by : 0.38 W, Operation : 0.83W
Operating temp.	0°C~+50°C
Network	IEEE 802.15.4, Zigbee HA 1.2(Compatible)
Dimension (mm)	58(W)x112(H)x83(D)

IoT MAGNETIC SENSOR

CIS-MD01

NEW



Connect a smartphone

IoT

IoT



- 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 PIR SENSOR

CIS-ZP01

NEW



IoT



- Motion detection
- Low power consumption
- Zigbee communication support

Power source (Battery)	3V Lithium Cell (CR123A), 1EA
Distance	10m
Angle	84°
Operating time	1.5 Year(10 Times/a day)
Network	IEEE 802.15.4, Zigbee HA 1.2(Compatible)
Dimension(mm)	102(W)x47(H)x64(D)

IoT SMART PLUG

CIA-SP01

NEW



IoT



- Automatic over-current shut-off
- Operational power measurement functions
- Power On-Off
- Code type check required

Power source	AC 100~240V, 50/60Hz
Rated load	250V 16A / MAX 4,000W
Power consumption	Stand by : 0.38W / Operation : 0.83W
Network	IEEE 802.15.4, Zigbee HA 1.2(Compatible)
Dimension(mm)	58(W)x112(H)x83(D)

IoT PIR SENSOR

CIS-PM01

NEW



IoT



- Motion detection
- Temperature & Humidity detection
- Low power consumption
- Zigbee communication support

Power source (Battery)	CR123A 1ea, 3V (Operating Voltage : 2.4~3V)
PIR	Distance 5m Angle 120°
Operating temp.	-40°C ~+125°C(+/-2°C)
Humidity	0~100%RH(+/-5%)
Operating time	1 Year(50 Times/a day)
Network	IEEE 802.15.4, Zigbee HA 1.2(Compatible)
Dimension(mm)	80(W)x80(H)x60(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 52V
Speed	4/8ch x 10/100Mbps
Wiring ports	UTP (100m)
Dimension(mm)	CIOT-H4L2 : 200(W)x120(H)x40(D) CIOT-H8L2 : 270(W)x180(H)x44(D)

SIP GATEWAY

CGW-1KM

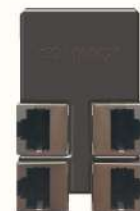


- SIP Relay device
- SIP user (unit) registration function (100 units)
- Control of emergency and event history management for SIP user
- Control of Access device (Lobby phone) password and card

Power source	PoE S/W
CPU	Dual Cortex
RAM	DDR3 / 1GB
Flash	eMMC 4GB
OS	Linux
Network	SIP
Dimension(mm)	104(W)x94(H)x29(D)

IP DISTRIBUTOR

CCU-CIOTBUS



- In/Out Bus module for multiplex housing (Need each house)
- 4port : Wall pad / Door camera / Up link / Down link

Power source	DC 14V, 1.8A
Network	Ethernet (10/100 Mbps)
Wiring ports	Wall pad / Door camera / Up link / Down link : UTP(CAT.5e)
Distance	Hub : 100m(UTP)
Dimension(mm)	44(W)x77(H)

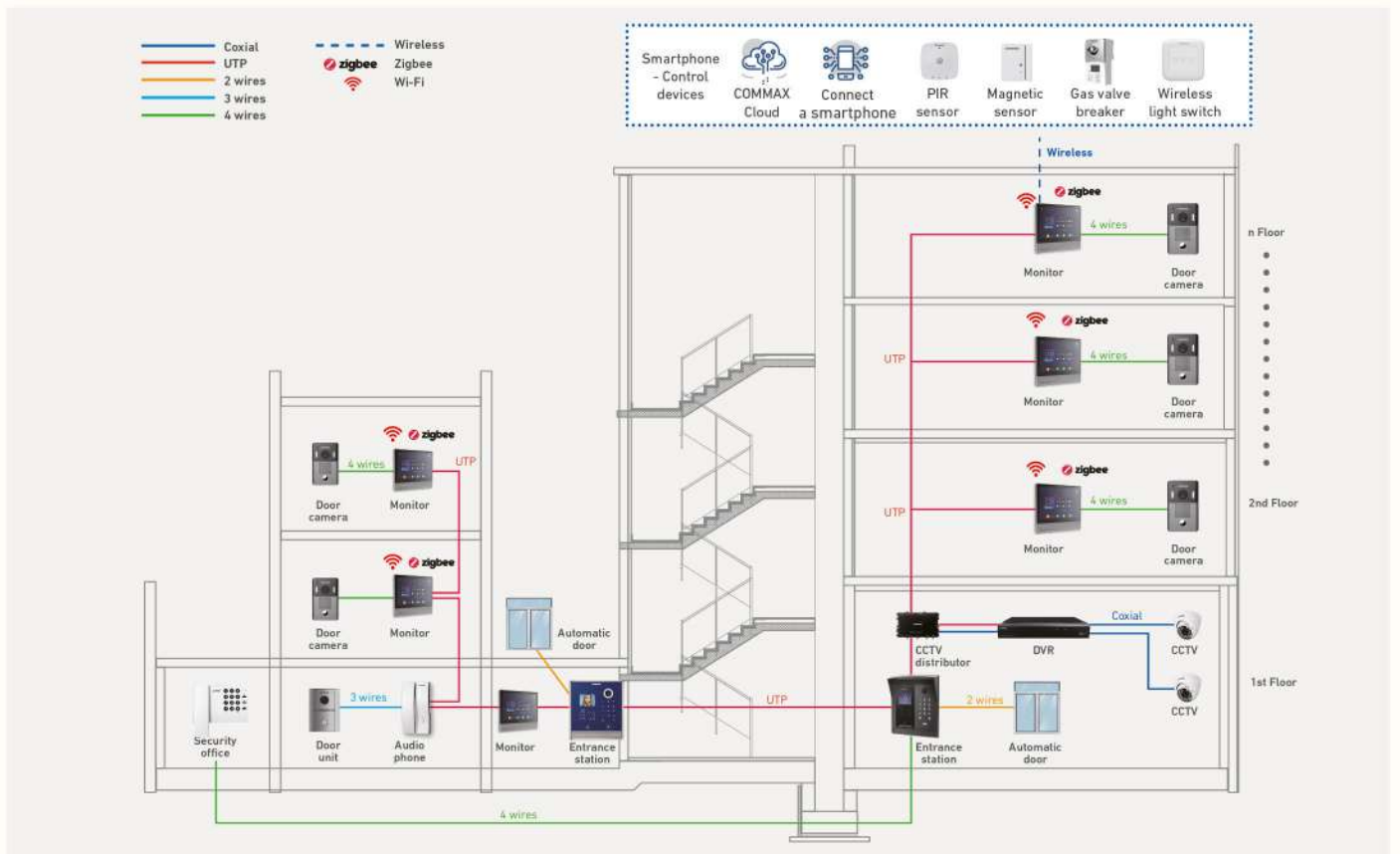
IoT GATE VIEW

IoT GATE VIEW is optimized for small and medium sized apartment and condo, complexes.

It provides a safer and more convenient environment. Control anytime and anywhere by a smartphone.



FIELD OF IoT GATE VIEW APPLICATION



MONITOR

CAV-1000QGX / 1001QGX

NEW



Connect a smartphone



PRODUCT FEATURES

- Google A.I. platform interwork(voice recognition)
- Connectable to both wireless IoT devices(Zigbee) and wired devices(RS-485 or General type)
- Smartphone integration through COMMAX App
 - Door camera, lobby phone, visitor call, door open
 - IoT device control, status monitoring, push notifications
- Real-time CCTV monitoring through DVR
- Elevator call function
- Automatic recording function(motion detection)
- SD card(32GB)

PRODUCT SPECIFICATION

Power source	CAV-1000QGX : DC 14V, 1.8A CAV-1001QGX : AC 100~240V, 50/60Hz
Display	10.1 inch LED Display / Multi Touch
Mount type	CAV-1000QGX : Flush-mounted type CAV-1001QGX : Wall-mounted type
Resolution	1280 x 800
Camera	2MP
Wiring ports	Door camera : 4 wires or 8 wires(only motion detecting), RS-485 : 3 wires, Lobby/Security : 8 wires(UTP type 2 Port) Gas : 3 wires, Motion detecting : 3 wires, Slave : 6 wires, Door detecting : 2 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 : 1 km(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



Connect a smartphone



PRODUCT FEATURES

- Remote control by smartphone connection (Visitor monitoring / Door open)
- Control air conditioner and calling elevator via RS-485 method
- Connecting security, emergency and PIR devices
- Guard and elevator call(optional connecting CCU-310EV)
- Auto recording when motion detected(MAX 32GB)
- Connecting digital door lock
- 7 inch touch and full HD display(2MP)

PRODUCT SPECIFICATION

Power source	AC 100-240V, 50/60Hz
Mount type	Wall-mounted type
Resolution	1024 x 600
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) Gas : 3 wires, Motion detecting : 3 wires, Slave : 6 wires, Door detecting : 2 wires, Fire emergency : 2 wires, Digital door lock : 4(Power 2 wires, Opening short : 2 wires
Distance	Door camera : 28m(Ø0.5) Lobby : 300m(Ø0.5) Security : 1km(Ø0.65)
Operation temp.	0°C ~ +40°C
Dimension(mm)	184(W)x171(H)x23(D)

MONITOR

CAV-1020MGX+/1021MGX+



Connect a smartphone



PRODUCT FEATURES

- Connects to IoT devices
- Connect a smartphone(Call, Talk, Control)
- Real-time CCTV monitoring through DVR
- Elevator call function
- Guard call & talk
- Storing visitor video
- Connectable with slave phone

PRODUCT SPECIFICATION

Power source / Consumption	CAV-1020MGX+ : DC 14V, 1.8A CAV-1021MGX+ : AC 100-240V, 50/60Hz
Display	10.1 inch LED Display / Multi Touch
Mount type	CAV-1020MGX+ : Flush-mounted CAV-1021MGX+ : Wall-mounted
Operating temp.	0°C~40°C
Wiring ports	UTP(CAT. 5e)
Network	Wi-Fi 2.4Ghz, IEEE 802.15.4, Zigbee HA 1.2(Compatible)
Dimension(mm)	CAV-1020MGX+ : 308(W)x213(H)x33(D) CAV-1021MGX+ : 308(W)x213(H)x25(D)
Installation hole size(mm)	CAV-1020MGX+ : 209(W)x135(H)

MONITOR

CAV-70MGX+



Connect a smartphone



IoT



Cloud



Wi-Fi



Video picture and recording



Elevator call



Connect devices



- Connects to IoT devices
- Connect a smartphone(Call, Talk, Control)
- 7 inch full touch display
- Real-time CCTV monitoring through DVR
- Elevator call function • Guard call & talk
- Storing visitor video

Power source / Consumption	AC 100-240V, 50/60Hz / 15W (MAX)
Display	7 inch touch LED Display
Mount type	Wall-mounted type
Operating temp.	0°C~40°C
Wiring ports	UTP(CAT. 5e)
Distance	Lobby phone : 300m / Security office : 1Km
Network	Wi-Fi 2.4Ghz, IEEE 802.15.4, Zigbee HA 1.2(Compatible)
Dimension(mm)	244(W)×180(H)×18(D)

FHD VIDEO RECORDER

CVD-AF04SH PLUS



- Audio input 4ch & audio output 1ch
- Alarm input 4ch & alarm output 1ch
- CVBS video output for only COMMAX monitor(Gateview+)

Power source	DC 12V, 2A
Video input	4 BNC
Video output	HDMI(1080p), VGA, CVBS
Audio input/output	4/1
Video codec	H.264
Playback speed	Max x16 for forward playback
HDD	1 SATA HDD slot
Dimension(mm)	300(W)×227(H)×53(D)

CCTV DISTRIBUTOR

VD-202G+

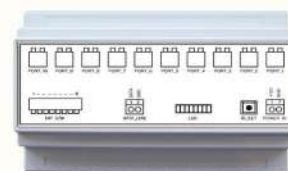


- CCTV distributor for gateview+ system
- To send CCTV video to a monitor
- To connect CCTV video
- Able to add VD-202G+

Power source	AC 100-240V, 50/60Hz / 15W (MAX)
Power consumption	Waiting 180mA, Max 200mA
Wiring ports	Guard : 8 wires Lobby : Talk 2 wires, Video 2 wires Monitor : 6 wires, Video 2 wires DVR : (RS-485) 4 wires, Video 2 wires
Distance	Video : Lobby/DVR to Monitor (Max 300m) Guard(Max 1km)
Dimension(mm)	182(W)×102(H)×26(D)

ELEVATOR CONNECTOR

CCU-310EV



- Able to call from Lobbyphone 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 Lobbyphones

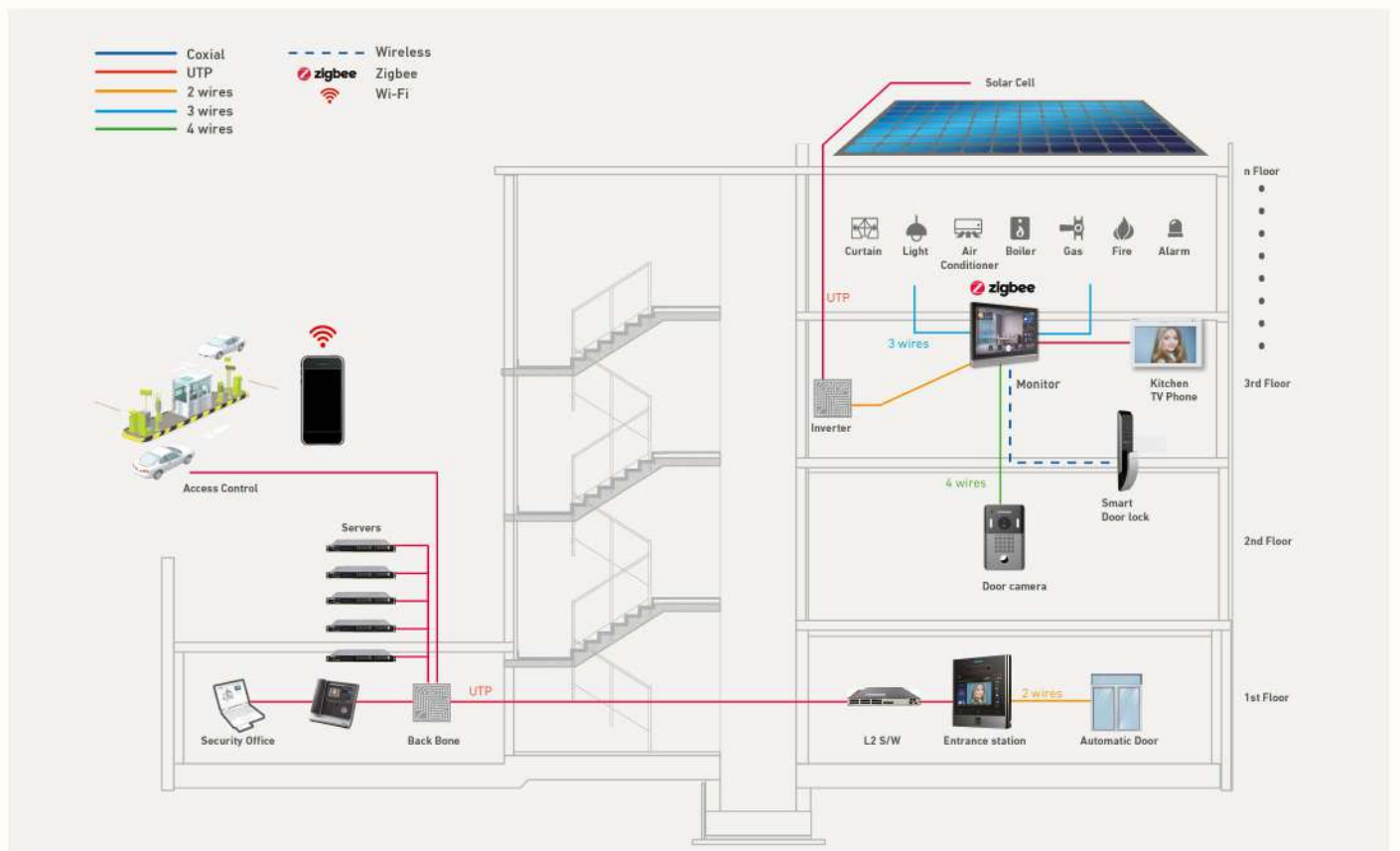
Power source	DC 12V, 1A
Mount type	Wall-mounted type, DIN rail type
Wiring ports	DATA : 2 wires Elevator S/W : 2 wires x 10 ports
Distance	1 km (Ø0.65)
Dimension(mm)	157(W)×86(H)×59(D)

SMART HOME SYSTEM

SMART HOME SYSTEM provides a more convenient and safe environment with homelife information.



FIELD OF SMART HOME SYSTEM APPLICATION



MONITOR

CDP-1400YB

NEW



Connect a smartphone



PRODUCT FEATURES

- SIP-based VoIP system
- TCP/IP
- Interlocking with Digital door lock
- CCTV monitoring
- Convenient Function(Parking, Entrance, Package record, Weather)
- Elevator call, Boiler control
- Connects to ACC alarm

PRODUCT SPECIFICATION

Power source	DC 14V, 1.8A
Display	13.3 inch Touch LED Display / Multi Touch
Mount type	Flush-mounted type
Wiring ports	UTP(CAT.5e)
OS	Android OS
Distance	Door station : 50m(0.65Ø), L2 S/W : 100m
Dimension(mm)	351(W)x232(H)x13(32)(D)
Installation hole size(mm)	255(W)x153(H)

MONITOR

CDP-1000YB

NEW



Connect a smartphone



IP



Connect devices



Cloud



Elevator call



- SIP-based VoIP system
- TCP/IP
- Interlocking with Digital door lock
- CCTV monitoring
- Convenient Function(Parking, Entrance, Package record, Weather)
- Elevator call, Boiler control
- Connects to ACC alarm

Power source	DC 14V, 1.8A
Display	10.1 inch Touch LED Display / Multi Touch
Mount type	Flush-mounted type
Wiring ports	UTP(CAT.5e)
OS	Android OS
Distance	Door station : 50m(0.65Ø), L2 S/W : 100m
Dimension(mm)	265(W)x184(H)x14(32)(D)
Installation hole size(mm)	209(W)x133(H)

MONITOR

CDP-1020YB



Connect a smartphone



IP



Connect devices



Cloud



Elevator call



- SIP-based VoIP system
- TCP/IP
- Interlocking with Digital door lock
- CCTV monitoring
- Convenient Function(Parking, Entrance, Package record, Weather)
- Elevator call, Boiler control
- Connects to ACC alarm

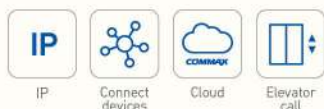
Power source	DC 14V, 2A
Display	10.1 inch Touch LED Display / Multi Touch
Mount type	Flush-mounted type
Wiring ports	UTP(CAT.5e)
OS	Android OS
Distance	Door station : 50m(0.65Ø), L2 S/W : 100m
Dimension(mm)	261(W)x184(H)x14(32)(D)
Installation hole size(mm)	209(W)x133(H)

MONITOR

CDP-1400MB



Connect a smartphone



PRODUCT FUNCTION & SERVICE

- SIP-based VoIP system • TCP/IP
- Interlocking with Digital door lock
- CCTV monitoring
- Convenient function(Parking, Entrance, Package record, Weather)
- Elevator call, HVAC control
- Connects to ACC alarm

PRODUCT SPECIFICATION

Power source	DC 14V, 1.8A
Display	14 inch Touch LED Display / Multi Touch
Mount type	Flush-mounted type
Wiring ports	UTP(CAT.5e)
OS	Android OS
Distance	Door station : 50m(0.65Ø), L2 S/W : 100m
Dimension(mm)	328(W)x230(H)x14(32)(D)

MONITOR

CSH-1020MB



Connect a smartphone



- SIP-based VoIP system • TCP/IP
- Interlocking with door lock
- CCTV monitoring
- Convenient Function(Parking, Entrance, Package record, Weather)
- Elevator call, boiler control
- Connects to ACC alarm

Power source	DC 14V, 1.8A
Display	10.1 inch Touch LED Display / Multi Touch
Mount type	Flush-mounted type
Wiring ports	UTP(CAT.5e)
OS	Android OS
Distance	Door station : 50m(0.65Ø), L2 S/W : 100m
Dimension(mm)	308(W)x213(H)x14(23)(D)
Installation hole size(mm)	208(W)x140(H)

MONITOR

CDP-1020MB



Connect a smartphone



- SIP-based VoIP system • TCP/IP
- Interlocking with door lock
- CCTV monitoring
- Convenient Function(Parking, Entrance, Package record, Weather)
- Elevator call, Boiler control
- Connects to ACC alarm

Power source	DC 14V, 1.8A
Display	10.1 inch Touch LED Display / Multi Touch
Mount type	Flush-mounted type
Wiring ports	UTP(CAT.5e)
OS	Android OS
Distance	Door station : 50m(0.65Ø), L2 S/W : 100m
Dimension(mm)	308(W)x213(H)x13(33)(D)
Installation hole size(mm)	209(W)x135(H)

BIO LOBBY

DRC-BIOS

NEW



Connect a smartphone



PRODUCT FEATURES

- Fingerprint and facial recognition
- E-Key function(Connect a smartphone)
- Door open by RF card/password
- Application of LTE Modem(option)
- Play local advertisements

PRODUCT SPECIFICATION

Power source	DC 14V, 2.1A
Display	10.1 inch LED Display / Multi Touch
Mount type	Flush-mounted type
Resolution	1024 x 600
OS	Android
CPU	Quad core
Camera	2M IP camera(Wide angle 142°)
Dimension(mm)	260(W)×270(H)×26(50)(D)
Installation hole size(mm)	207(W)×217(H)

ENTRANCE STATION

DRC-7MS



Connect a smartphone



Rainshield (option)



PRODUCT FEATURES

- 7 inch LED Display
- BLE recognition
- Full-HD resolution
- SIP-based VoIP system
- 2MP Camera
- Page and call a household unit or a security guard station
- Embedded RFID

PRODUCT SPECIFICATION

Power source	DC 14V, 1.8A
Mount type	Flush-mounted type
Wiring ports	UTP(CAT. 5e)
RFID card	13.56Mhz
Angle of view	Horiz. : 81° / Vert. : 66°
Operation temp.	-40°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)

KITCHEN TV PHONE

CKV-1020FS



- Digital TV/High sensitivity digital FM
- Tempered Glass with touch panel
- User-friendly GUI
- Telephone call receiving enabled, Video playback
- Built-in MP3

Power source	AC 100~240V, 50/60Hz
Display	10.1 inch Touch LED display
Mount type	Wall-mounted type
Package	Main console, Remote control
Signal	ATSC/QAM (Unscrambled)
H/N, H/A	RS-485
Dimension(mm)	322(W)×262(H)×34(D)

GUARD STATION

CDS-70M



- Household paging and calling function
- Visitor monitoring and calling at the public entrance
- CCTV monitoring in public areas
- SIP-based VoIP system

Power source	DC 14V, 1.8A
Display	7 inch wide color LCD
Mount type	Desktop / Wall-mounted type
Operating temp.	0°C~40°C
Wiring ports	LAN(CAT.5e)
Data transmission	TCP/IP
Dimension(mm)	252(W)×247(H)×40(D)

SENSOR

CPA-4012



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

Power/consumption	DC 8~18V / Max 20mA
Alarm output	1B(COM, NC OR NO)
Detection speed / range	0.3~1.5m/s / 0.5~12m
Installation	2.5m
Operating temp.	-20°C~+60°C
Weight(g)	68
Dimension(mm)	63(W)×110(H)×47(D)

SENSOR

CPA-0212



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

Power/consumption	DC 9~18V / Max 10mA
Alarm output	1B(COM, NC OR NO)
Detection speed / range	0.2~1.5m/s / 12m (Mirror type)
Alarm time	2 Sec
Installation	1.8~3m
Operating temp.	-20°C~+60°C
LED	Warning : - Intrusion : Red

SENSOR

MS-10



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

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

SENSOR

CPB-30S



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

Power input	DC 11~25VDC
Power consumption	Max 57mA
Detection method	Near-infrared / Beam block
Detection range	Outdoor : 30m / Indoor : 60m
Detection type	Pulse beam by LED Double variation method
LED	Warning : Green, Intrusion : Red
Operating temp.	-20°C~+60°C
Dimension(mm)	63(W)×163(H)×75(D)

SENSOR

CPB-10S



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

Power input	DC 11~25VDC
Power consumption	Max 57mA
Detection method	Near-infrared / Beam block
Detection range	Outdoor : 10m / Indoor : 20m
Detection type	Pulse beam by LED Double variation method
LED	Warning : Green, Intrusion : Red
Operating temp.	-20°C~+60°C
Dimension(mm)	63(W)×163(H)×75(D)

SERVER

CHS-10LS/DS/BS



- Operation function of resident administration page
- Interlocking with smart metering, parking, courier, DVR and elevator servers
- Residential units, complexes and product data storage

CPU	Intel® Xeon "Harpertown" E5405 (Quad Core/2.0G, 12M, 1333Mhz)
RAM	4G DDR FB-DIMM(2G×2ea) 8 slots(Max.16G)
OS	Embedded Linux
ODD	1TB S-ATA3, 7200rpm, 32MB
Dimension(mm)	430(W)×44(H)×650(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)

MODUM SYSTEM (HYBRID SYSTEM)

Modum is a Hybrid system integrated with video door phone, access control, IoT and CCTV system.

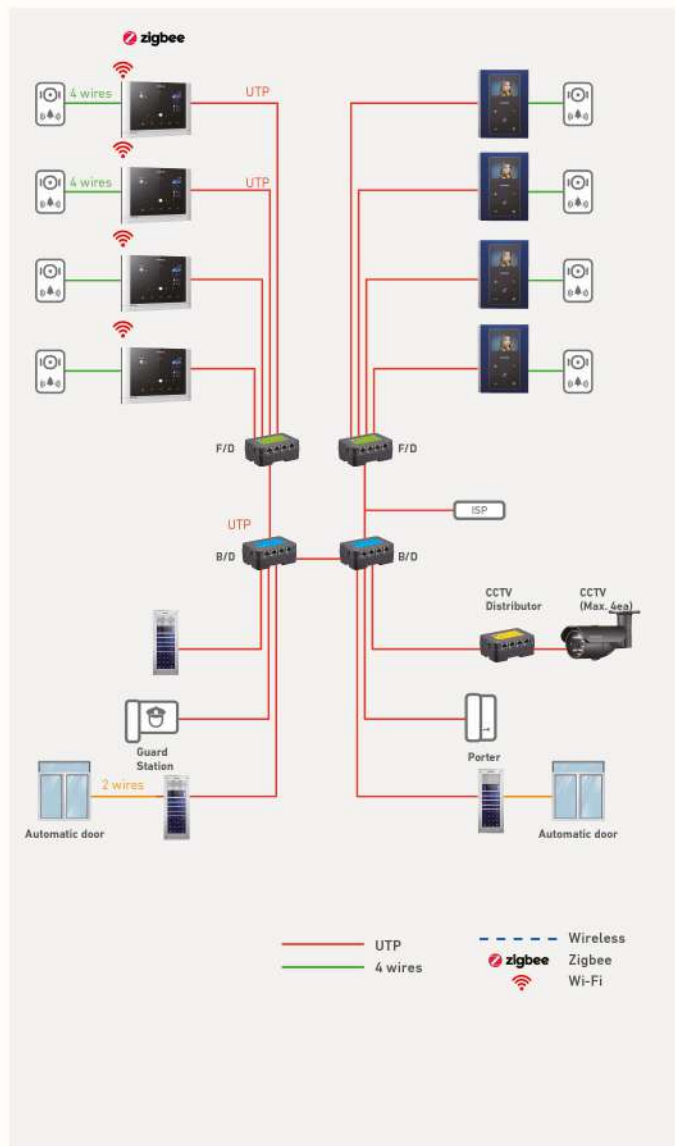


APPLICATION

APARTMENT AND CONDO COMPLEX

"MODUM HOME IoT Monitor" and "MODUM Monitor" can be used together.

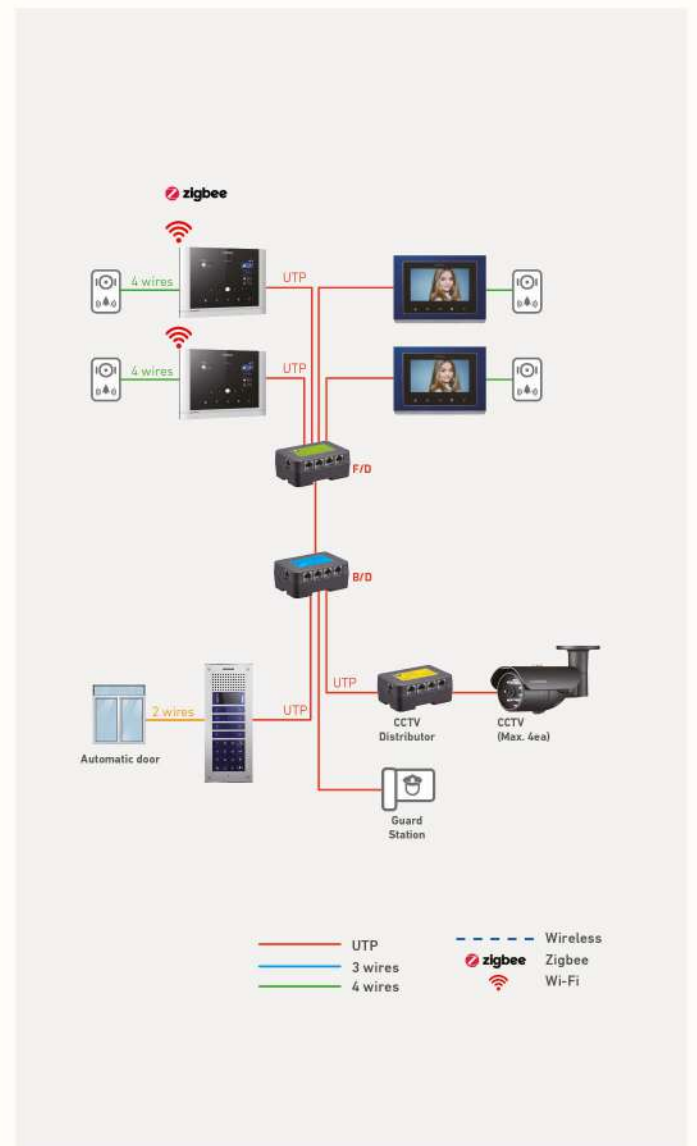
SMARTPHONE - CONTROL DEVICES



APARTMENT AND CONDO COMPLEX

"MODUM HOME IoT Monitor" and "MODUM Monitor" can be used together.

SMARTPHONE - CONTROL DEVICES



- Interfacing with CCTV, guard and porter
- A single integrated control system applying to an apartment and condo complex
- Providing various configurations for the safety with SECUMAX program

APPLICATION

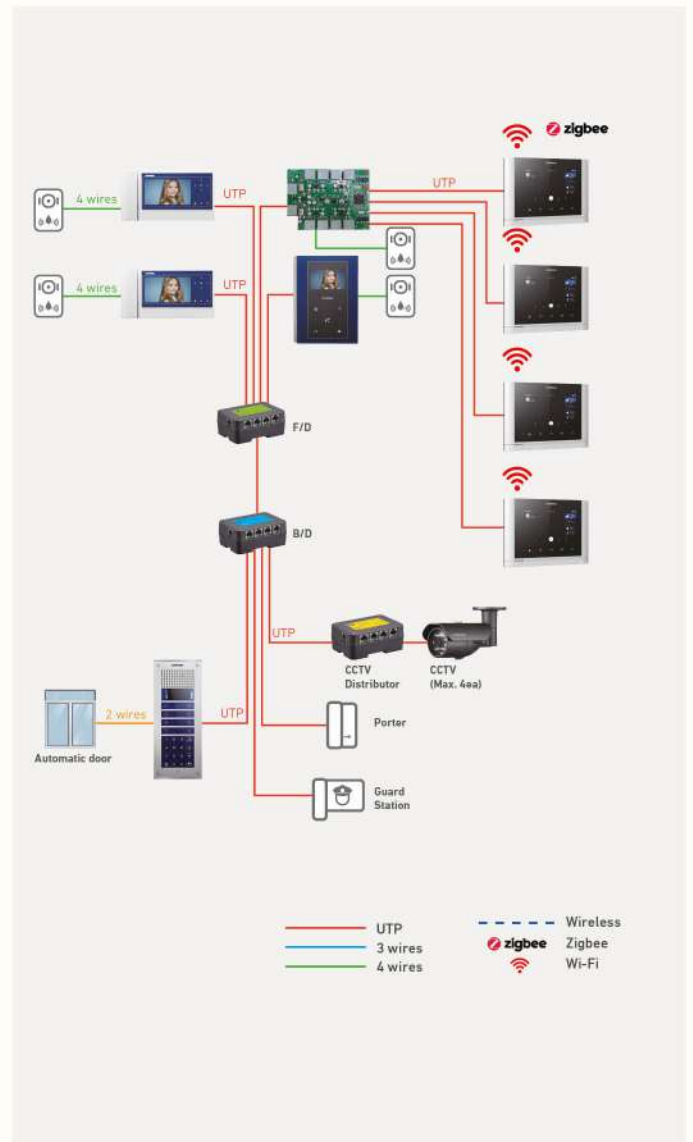
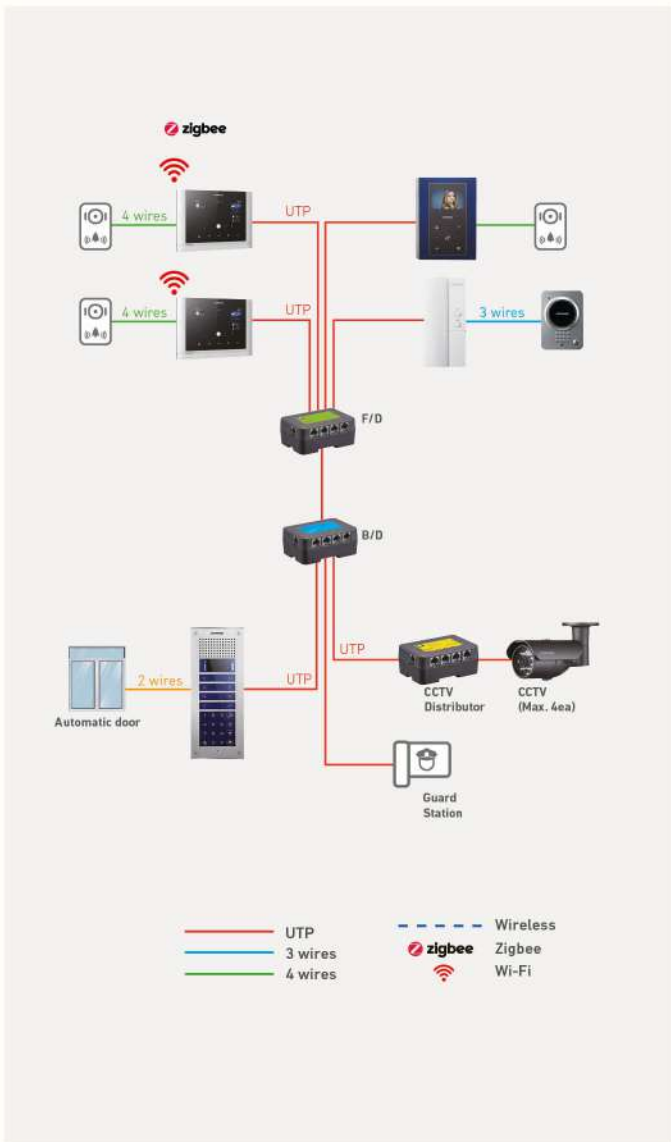
SMALL APARTMENT AND CONDO BUILDING (UTP) - AUDIO PHONE AND MONITOR CAN BE USED TOGETHER.

SMARTPHONE - CONTROL DEVICES



SMALL APARTMENT AND CONDO BUILDING [UTP] - UP TO 8 UNITS CAN BE INSTALLED PER 1 HOUSE THROUGH THE MODUM HOUSE DISTRIBUTOR.

SMARTPHONE - CONTROL DEVICES



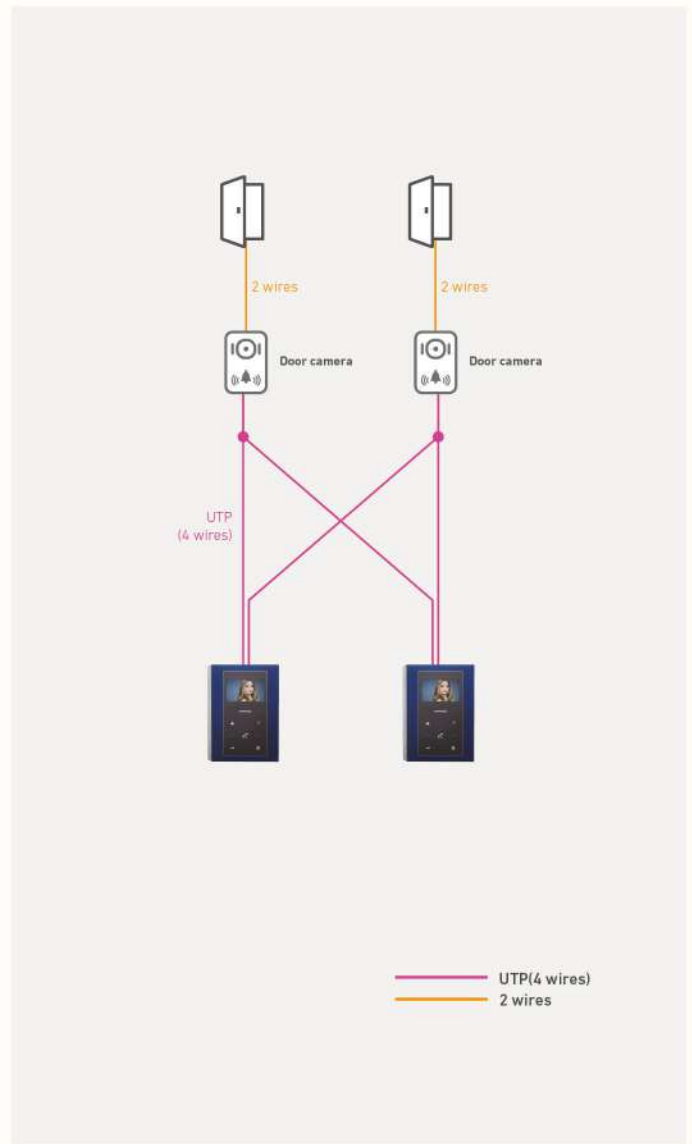
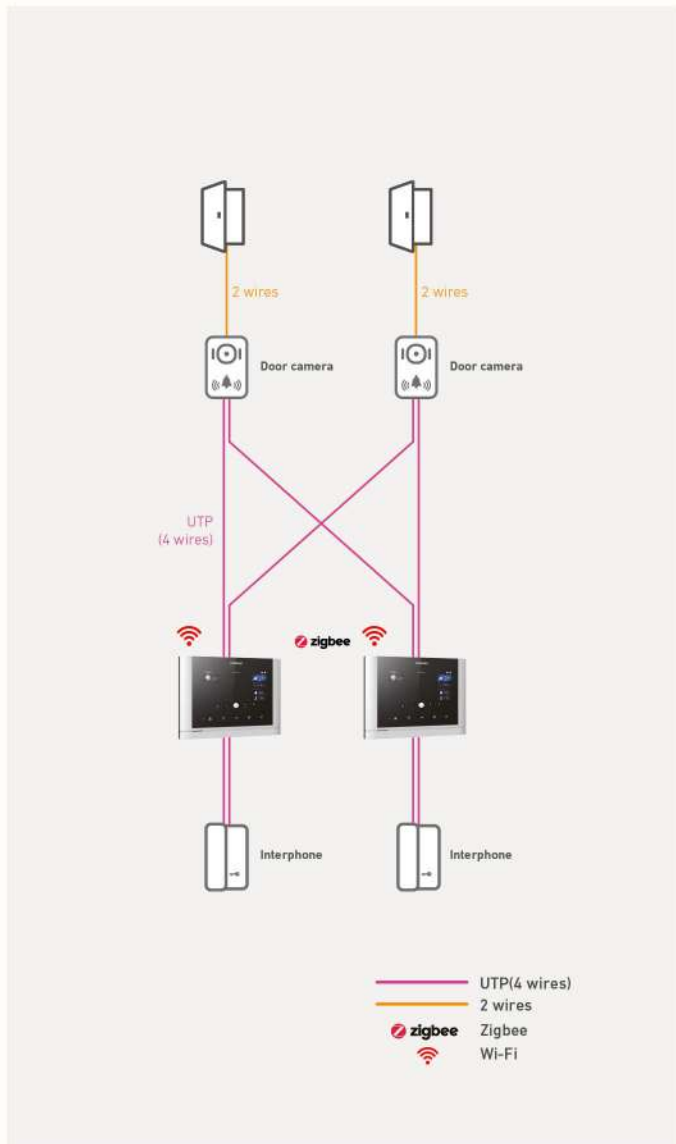
- The best unmanned security system for a small apartment and condo building.
- Supporting up to 316 households and simple door opening with various access points.
- - Pin number, RFID card, Direct button call, Name search, Guard call, Porter call

APPLICATION

SINGLE HOUSE (A TYPE)

SINGLE HOUSE (B TYPE)

SMARTPHONE - CONTROL DEVICES



- Easy installation for a 2 doors house(Front&garage door)
- Support 2 monitors, 2 cameras and 2 interphones

- Easy installation for a 2 doors house(Front&garage door)
- Support 2 monitors, 2 cameras
- Intercommunication between 2 monitors

MONITOR

CMV-70MX



- Connectable with smartphone and security IoT sensor
- 7 inch multi touch LED display
- CCTV monitoring
- Guard, porter call & talk
- Compatible with single house, apartment and condo complex
- Connectable to both wireless IoT devices(Zigbee) and wires devices

Power source	AC 100-240V, 50/60Hz
Display	7 inch LED Display / Multi Touch
Mount type	Wall-mounted type
Wiring ports	Door camera 1 : 4 wires, Door camera 2 : 4 wires / Distributor : UTP(CAT.5e), Interphone : 4 wires / DDL : 4 wires(Power : 2 wires / Opening short : 2 wires) / Sensor : 11 wires
Network	Wi-Fi 2.4Ghz, IEEE 802.15.4, Zigbee HA 1.2(Compatible)
Dimension(mm)	244(W)x180(H)x18(D)

MONITOR

CMV-77K/77KD



- Visitor identification and call via smartphone(CGW-M2I)
- CCTV Monitoring
- Guard, porter call & talk
- Video call and door lock release enable
- Compatible with single house and apartment complex

Power source	CMV-77K : AC 100-240V, 50/60Hz CMV-77KD : DC 24V(from CMD-404FUD)
Display	7 inch wide LED display
Mount type	Wall-mounted type
Wiring ports	Door camera 1 : 4 wires, Door camera 2 / Distributor : 4 wires / UTP(CAT.5e), Interphone : 4 wires
Operating temp.	0°C~+40°C
Distance	28m(0.5mm) / 50m(0.65mm) / 70m(0.8mm)
Dimension(mm)	311(W)×168(H)×32(D)

MONITOR

CMV-70S/70SD



- Visitor identification and call via smartphone(CGW-M2I)
- CCTV Monitoring
- Guard, porter call & talk
- Video call and door lock release enable
- Compatible with single house and apartment complex

Power source	CMV-70S : AC 100-240V, 50/60Hz CMV-70SD : DC 24V(from CMD-404FUD)
Display	7 inch wide LED display
Mount type	Wall-mounted type
Wiring ports	Door camera 1 : 4 wires, Door camera 2 / Distributor : 4 wires / UTP(CAT.5e), Interphone : 4 wires
Operating temp.	0°C~+40°C
Distance	28m(0.5mm) / 50m(0.65mm) / 70m(0.8mm)
Dimension(mm)	244(W)×180(H)×32(D)

MONITOR

CMV-70M/70MD



- Visitor identification and call via smartphone(CGW-M2I)
- CCTV Monitoring
- Guard, porter call & talk
- Video call and door lock release enable
- Compatible with single house and apartment complex

Power source	CMV-70M : AC 100-240V, 50/60Hz CMV-70MD : DC 24V(from CMD-404FUD)
Display	7 inch wide LED display
Mount type	Wall-mounted type
Wiring ports	Door camera 1 : 4 wires, Door camera 2 / Distributor : 4 wires / UTP(CAT.5e), Interphone : 4 wires
Operating temp.	0°C~+40°C
Distance	28m(0.5mm) / 50m(0.65mm) / 70m(0.8mm)
Dimension(mm)	244(W)×180(H)×18(D)

MONITOR

CMV-43S/43SD



- Visitor identification and call via smartphone(CGW-M2I)
- CCTV Monitoring
- Guard, porter call & talk
- Compatible with single house and apartment complex

Power source	CMV-43S : AC 100-240V, 50/60Hz
	CMV-43SD : DC 24V(from CMD-404FUD)
Mount type	Wall-mounted type
Wiring ports	Door camera 1 : 4 wires, Door camera 2 / Distributor : 4 wires / UTP(CAT.5e), Interphone : 4 wires
Operating temp.	0°C~+40°C
Distance	28m(0.5mm) / 50m(0.65mm) / 70m(0.8mm)
Dimension(mm)	180(W)×244(H)×32(D)

MONITOR

CMV-43A/43AD



- Visitor identification and call via smartphone(CGW-M2I)
- CCTV Monitoring
- Guard, porter call & talk
- Compatible with single house and apartment complex

Power source	CMV-43A : AC 100-240V, 50/60Hz
	CMV-43AD : DC 24V(from CMD-404FUD)
Mount type	Wall-mounted type
Wiring ports	Door camera 1 : 4 wires, Door camera 2 / Distributor : 4 wires / UTP(CAT.5e), Interphone : 4 wires
Operating temp.	0°C~+40°C
Distance	28m(0.5mm) / 50m(0.65mm) / 70m(0.8mm)
Dimension(mm)	180(W)×180(H)×28(39)(D)

AUDIO PHONE

CMA-3L/3LD



- Guard Call & Talk
- Door lock release enable
- Compatible with single house and apartment complex

Power source	AC 220V, 50/60Hz
	DC 24V(from CMD-404FUD)
Mount type	Wall-mounted type
Operating temp.	0°C~+40°C
Distance	28m(0.5mm) / 50m(0.65mm) / 70m(0.8mm)
Dimension(mm)	98(W)×215(H)×43(D)

ENTRANCE STATION

DRC-7MBL/RF1



Rainshield(option)

- BLE recognition
- 3.5 inch LED Display
- Page and call a household unit or a security guard station
- Embedded RFID

Power source	DC 12V, 1A
Mount type	Flush-mounted type
Operating temp.	-20°C~+50°C
Wiring ports	UTP(CAT. 5e)
Distance	Max.300m
RFID card	13.56Mhz(optional)
Angle of view	Horiz. : 81°, Vert.: 66°
Dimension(mm)	249(W)×256(H)×7(36)(D)
Installation hole size(mm)	210(W)×216(H)

ENTRANCE STATION

CMP-2BCT/4BCT



- Access control(PIN number/RFID card)
- Name searching through 2.4" OLED display
- Page and call a household unit or a security guard station
- C-MOS(Pin-hole type)

Power source	DC 12V, 1A
Mount type	Flush-mounted type
Wiring ports	Building distributor : UTP
RFID card	13.56Mhz(optional)
Angle of view	Horiz.: 47°, Vert.: 35°
Operating temp.	-20°C~+50°C
Dimension(mm)	130(W)×315(H)×12(38)(D)
Installation hole size(mm)	110(W)×286(H)

ENTRANCE STATION

CMP-2BC/4BC



- 16 / 32 Direct buttons call
- Page and call a household unit

Power source	DC 12V, 1A
Mount type	Flush-mounted type
Wiring ports	Building Distributor : UTP
Image sensor	C-MOS(Pin-hole type)
Angle of view	Horiz.: 47°, Vert.: 35°
Operating temp.	-20°C~+50°C
Dimension(mm)	130(W)×315(H)×12(38)(D)
Installation hole size(mm)	110(W)×286(H)

ENTRANCE STATION

CMP-CTS/RF1



- Access Control(PIN number/RFID card)
- Name searching through 2.4" OLED display
- Page and call a household unit or a security guard station
- C-MOS(Pin-hole type)

Power source	DC 12V, 1A
Mount type	Flush-mounted type
Wiring ports	Building Distributor : UTP
RFID card	13.56Mhz(optional)
Angle of view	Horiz.: 47°, Vert.: 35°
Operating temp.	-20°C~+50°C
Dimension(mm)	130(W)×249(H)×12(38)(D)
Installation hole size(mm)	112(W)×211(H)

ENTRANCE STATION

CMP-2BCS/4BCS



- 8 / 16 Direct buttons call
- Page and call a household unit

Power source	DC 12V, 1A
Mount type	Flush-mounted type
Wiring ports	Building Distributor : UTP
Image sensor	C-MOS(Pin-hole type)
Angle of view	Horiz. : 47°, Vert. : 35°
Operating temp.	-20°C~+50°C
Dimension(mm)	130(W)×249(H)×12(38)(D)
Installation hole size(mm)	112(W)×211(H)

ENTRANCE STATION

CMP-2BAT/4BAT



- Access Control(PIN number/RFID card)
- Name searching through 2.4" OLED display
- Page and call a household unit or a security guard station

Power source	DC 12V, 1A
Mount type	Flush-mounted type
Wiring ports	Building Distributor : UTP
RFID card	13.56Mhz(optional)
Display	2.4" OLED display
Operating temp.	-20°C~+50°C
Dimension(mm)	130(W)×315(H)×12(38)(D)
Installation hole size(mm)	110(W)×286(H)

ENTRANCE STATION

CMP-2BA



- 16 button Direct room call
- Page and call a household unit

Power source	DC 12V, 1A
Mount type	Flush-mounted type
Wiring ports	Building Distributor : UTP
Operating temp.	-20°C~+50°C
Dimension(mm)	130(W)×315(H)×12(38)(D)
Installation hole size(mm)	110(W)×286(H)

EXTENSION PANEL

CMP-4BX



- 48 Direct buttons call

Power source	From Entrance station panel
Mount type	Flush-mounted type
Operating temp.	-20°C~+50°C
Dimension(mm)	130(W)×315(H)×12(38)(D)
Installation hole size(mm)	110(W)×286(H)

EXTENSION PANEL

CMP-2BX



- 24 Direct buttons call

Power source	From Entrance station panel
Mount type	Flush-mounted type
Operating temp.	-20°C~+50°C
Dimension(mm)	130(W)×315(H)×12(38)(D)
Installation hole size(mm)	110(W)×286(H)

EXTENSION NAME PANEL

DRC-NP



- Wide name plate
- Instruction note
- Guide manual

Mount type	Flush-mounted type
Dimension(mm)	130(W)×315(H)×12(38)(D)
Installation hole size(mm)	110(W)×286(H)

ENTRANCE STATION

DRC-900LC/RF1



- Vandal-proof Aluminium Die-casting Case
- IR sensor Type Anti-freezing Buttons
- Security guard station call enabled
- Page and call a household unit
- Pin-hole Camera

Power source	DC 12V, 1A
Mount Type	Wall-mounted type
Operating temp.	-20°C~+50°C
Wiring ports	UTP(CAT. 5e)
RFID card	13.56Mhz(optional)
Dimension(mm)	136(W)×260(H)×36(D)
Rain-shield(mm)	140(W)×260(H)×65(D)

ENTRANCE STATION

DRC-GUM



- Access Control(PIN number/RFID card)
- Page and call a household unit or a security guard station
- Name searching through 2.4" OLED display
- C-MOS

Power source	DC 12V, 1A
Mount type	Flush-mounted type
Wiring ports	Building Distributor : UTP
RFID card	13.56Mhz(optional)
Angle of view	Horiz.: 47°, Vert.: 35°
Operating temp.	-20°C~+40°C
Dimension(mm)	130(W)×315(H)×12(38)(D)
Installation hole size(mm)	110(W)×286(H)

EXTENSION PANEL

DRC-12UX



- 12 Direct buttons call Extension panel with name plate
- Expandable up to 5 units(60 buttons)

Power source	From Entrance station panel
Mount type	Flush-mounted type
Operating temp.	-20°C~+50°C
Dimension(mm)	130(W)×315(H)×12(38)(D)
Installation hole size(mm)	110(W)×286(H)

FLOOR DISTRIBUTOR

CMD-404FU (ALL UTP)



- All UTP Wiring Floor distributor
- Connects up to 4 Videophones

Power source	DC 24V, 1A From Building distributor)
Wiring ports	-Household unit-to-Floor distributor : UTP -Building distributor-to-Floor distributor : UTP -Floor distributor-to-Floor distributor : UTP
Mount type	Din-Rail Mounted type
Dimension(mm)	106(W)×76(H)×44(D)

FLOOR DISTRIBUTOR

CMD-404FUD (DC TYPE)



- All UTP Wiring Floor distributor
- Connectable with Videophone up to 4ea
- Connectable with DC type Videophone up to 4ea

Power source	DC 24V, 1A (From Building distributor)
Wiring ports	-Household unit-to-Floor distributor : UTP -Building distributor-to-Floor distributor : UTP -Floor distributor-to-Floor distributor : UTP
Mount type	Din-Rail Mounted type
Dimension(mm)	106(W)×76(H)×44(D)

BUILDING DISTRIBUTOR

CMD-101BU (ALL UTP)



- All UTP Wiring Building distributor
- Connects up to 4 Lobby/Guard/Porter/CCTV distributor/Floor distributor

Power source	DC 24V, 1A
Wiring ports	-Household distributor-to-Floor distributor : UTP -Household distributor-to-Household unit : UTP -Household distributor-to-Camera : UTP
Mount type	Din-Rail Mounted type
Dimension(mm)	106(W)×76(H)×44(D)

FINE VIEW DISTRIBUTOR

CMD-404CFU



- All UTP Wiring Floor distributor
- Connectable with Videophone up to 4ea
- Connectable with FINE VIEW monitor(CDV)
- Only connectable with Entrance station (CMP panel)

Power source	DC 24V, 1A
Wiring ports	-Household unit-to-Floor distributor : UTP -Floor distributor-to-Floor distributor : UTP
Mount type	Din-Rail Mounted type
Dimension(mm)	106(W)×76(H)×44(D)

CCTV DISTRIBUTOR

CMD-104VU (ALL UTP)



- Connectable with CCTV Camera up to 4ea
- Power supply to CCTV Camera

Power source	DC 14V, 4A PoD(Power on Distributor)
Wiring ports	-CCTV distributor-to-Building distributor : UTP -CCTV distributor-to-CCTV cameras : UTP
Mount type	Din-Rail Mounted type
Dimension(mm)	106(W)×76(H)×44(D)

GUARD STATION

CDS-2AG



- Paging and calling to a jousehold
- Call to a Lobby phone
- Checking and setting out in households
- Exchanging calls between households

Power source	DC 12V, 1A
Mount type	Desktop
Distance	1km (Ø0.65)
Dimension(mm)	328(W)×230(H)×97(D)

GUARD STATION

CDS-481L



- Setting a Floor Distributor
- Changing a Bldg No., households No. PIN number
- Paging and calling households
- Calling for lobby

Power source	AC 100V~220V, 50/60Hz
Mount type	Desktop
Wiring ports	Building distributor-to-Security office : UTP
Distance	Max. 1Km
Dimension(mm)	201(W)×230(H)×97(D)

PORTER PHONE

AP-3SG(PORTER)



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

Power source	AC 100V, 110V, 220V, 50/60Hz
Mount type	Wall-mounted type
Wiring ports	Building distributor-to-Porter : UTP
Dimension(mm)	94(W)×185(H)×38(D)

HOUSEHOLD DISTRIBUTOR

CMD-104HU/108HU



- All UTP Wiring Household distributor
- Connectable with 8 monitors
- 4ports / 8ports (Connectable with Videophone up to 4ea / 8ea)

Power source	DC 24V, 1A
Wiring ports	-Household distributor-to-Floor distributor : UTP -Household distributor-to-Household unit : UTP -Household distributor-to-Camera : UTP
Mount type	Din-Rail Mounted type

CCTV BULLETCAMERA

CAU-D047TP



- PoD(Power on distributor)
- 700TV Line high resolution
- 2D/3D DNR
- IP 66
- Over exposure prevent function

Power source	Power from CCTV distributor
Image sensor	1/3" SONY 960H SUPER HAD II CCD
Min. Illumination	0.1Lux at F1.2
Lens	3.6mm fixed focus lens
Wiring ports	CCTV distributor-to-CCTV cameras : UTP

CCTV DOME CAMERA

CAD-I4V7TP



- All UTP wiring building distributor
- Connectable with Lobby, Guard, Porter, CCTV distributor
- 2.8mm~12mm varifocal lens
- 2D/3D DNR
- 700TV Line high resolution

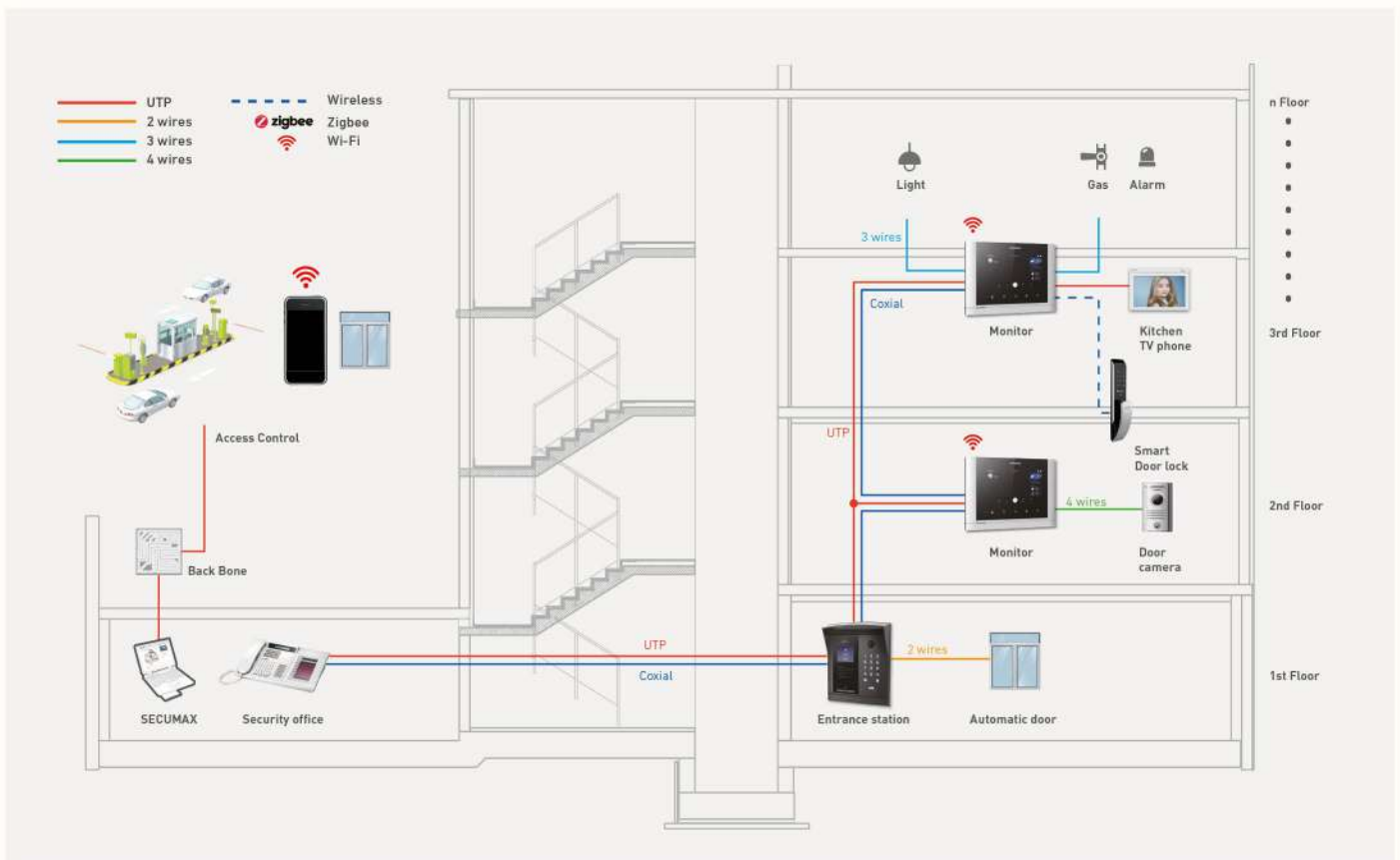
Power source	Power from CCTV distributor
Image sensor	1/3" SONY 960H SUPER HAD II CCD
Min. Illumination	0.1Lux at F1.2
Wiring ports	CCTV distributor-to-CCTV cameras : UTP
Dimension(mm)	Ø150×88.5(H)

SMART GATE SYSTEM

SMART GATE SYSTEM is a cost-effective home network system that provides an integrated management with simple installation -no server implementation required.



FIELD OF SMART GATE SYSTEM APPLICATION



MONITOR

CAV-705MX

NEW



Connect a smartphone



PRODUCT FEATURES

- Guard talk 3ch
- Elevator call
- Storing visitor video
- 7 inch LED Display
- Guard call & talk
- Video talk and door lock release enable (both individual and public entrance)
- Connect IoT devices
- Connect a smart phone(Call, Talk, Control)

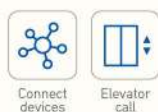
PRODUCT SPECIFICATION

Power source	DC 14V, 1.8A
Display	7 inch LED Display
Mount type	Flush mounted type
Operating temp.	0°C~40°C
Wiring ports	Guard/Lobby : UTP(CAT.5e)+Coaxial cable or UTP(CAT.5e) Door camera : 4 wires, Door open detection : 2 wires, Motion detection : 3 wires, Fire : 2 lines, Gas : 3 wires, Evacuation ladder : 2 wires, DDL : 4 wires (2 power wires, 2 doors open)
Consumption	Max.15W
Distance	Lobby phone : 300m / Security office : 1Km
Dimension(mm)	244(W)×180(H)×9(30)(D)

MONITOR

CAV-711M

NEW



PRODUCT FEATURES

- Guard talk 3ch
- Elevator call
- 7 inch LED Display
- Guard call & talk
- Security function
- Video talk and door lock release enable (both individual and public entrance)

PRODUCT SPECIFICATION

Power source	AC 100-240V, 50/60Hz
Display	7 inch LED Display
Mount type	Wall-mounted type
Operating temp.	0°C~40°C
Wiring ports	Guard/Lobby : UTP(CAT.5e)+Coaxial cable or UTP(CAT.5e) Camera : 4 wires / Evacuation ladder : wires / Door open detection: 2 wires / Motion detection: 3 wires / Emergency : 2 wires / DDL: 4 wires / Power : 2 wires / Door open : 2 wires
Consumption	Max.15W
Distance	Lobby phone : 300m / Security office : 1Km
Dimension(mm)	244(W)×180(H)×18(D)

MONITOR

CAV-70HS



PRODUCT FEATURES

- 7 inch LED Display
- Home network/ home automation slave phone
- Video talk and door lock release enabled (both individual and public entrance)

PRODUCT SPECIFICATION

Power source	AC 100-240V, 50/60Hz
Display	7 inch LED Display
Mount type	Wall-mounted type
Operating temp.	0°C~40°C
Wiring ports	6 wires
Consumption	12W (Max)
Distance	Monitor : 30m (0.65Ø)
Dimension(mm)	180(W)×180(H)×28(D)

MONITOR

CDP-1020ID



PRODUCT FEATURES

- 10.1 inch TFT LED display
- DID function
- Security and Lighting controls
- Energy management system
- Users can connect remotely via their smartphones(Secumax)

PRODUCT SPECIFICATION

Power source	DC14V, 1.8A
Power consumption	Standby : 560mA, Max.: 1.4A
Display	10.1 inch TFT LED display
Mount type	Flush-mounted type
Operating temp.	0°C~40°C
Wiring ports	Guard/Lobby ; Common 10 wires+ 5C2V Coaxial cable(2 Wire) Door camera : 4 wires
Distance	Individual entrance : 50m(0.65Ø) / Guard station : 1km(0.65Ø) / Public entrance : 300m(5C2V)
Dimension(mm)	318(W)×215(H)×18(61)(D)
Installation hole size(mm)	270(W)×164(H)

ENTRANCE STATION

DRC-7MBL/RF1



Connect a smartphone



Rainshield(option)



BLE

RF card

123

Number key

PRODUCT FEATURES

- BLE recognition
- 3.5 inch LED Display
- Page and call a household unit or a security guard station
- Embedded RFID

PRODUCT SPECIFICATION

Power source	DC 12V, 1A
Mount type	Flush-mounted type
Operating temp.	-20°C~+50°C
Wiring ports	UTP(CAT. 5e)
RFID card	13.56Mhz(optional)
Angle of view	Horiz. : 81°, Vert.: 66°
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)

ENTRANCE STATION

DRC-703LC/RF1



RF card

123

Number key



- Page and call a household unit or a security guard station
- Various verification methods(PIN number/RFID card)
- Expandable up to 99 units of DRC-703 LC/RF1
- Mirror view of a visitor enabled when paging

Power source	DC 12V, 1A
Mount type	Flush-mounted type
Operating temp.	-20°C~+50°C
Wiring ports / Distance	UTP(CAT. 5e) / Max.300m
RFID card	13.56Mhz
Min. Illumination	0.3Lux
Dimension(mm)	244(W)×270(H)×17(43)(D)
Installation hole size(mm)	207(W)×217(H)

GUARD STATION

CDS-481L



- Paging and calling a household
- Call to lobby phones
- Checking and Setting out in household
- Exchanging calls between household

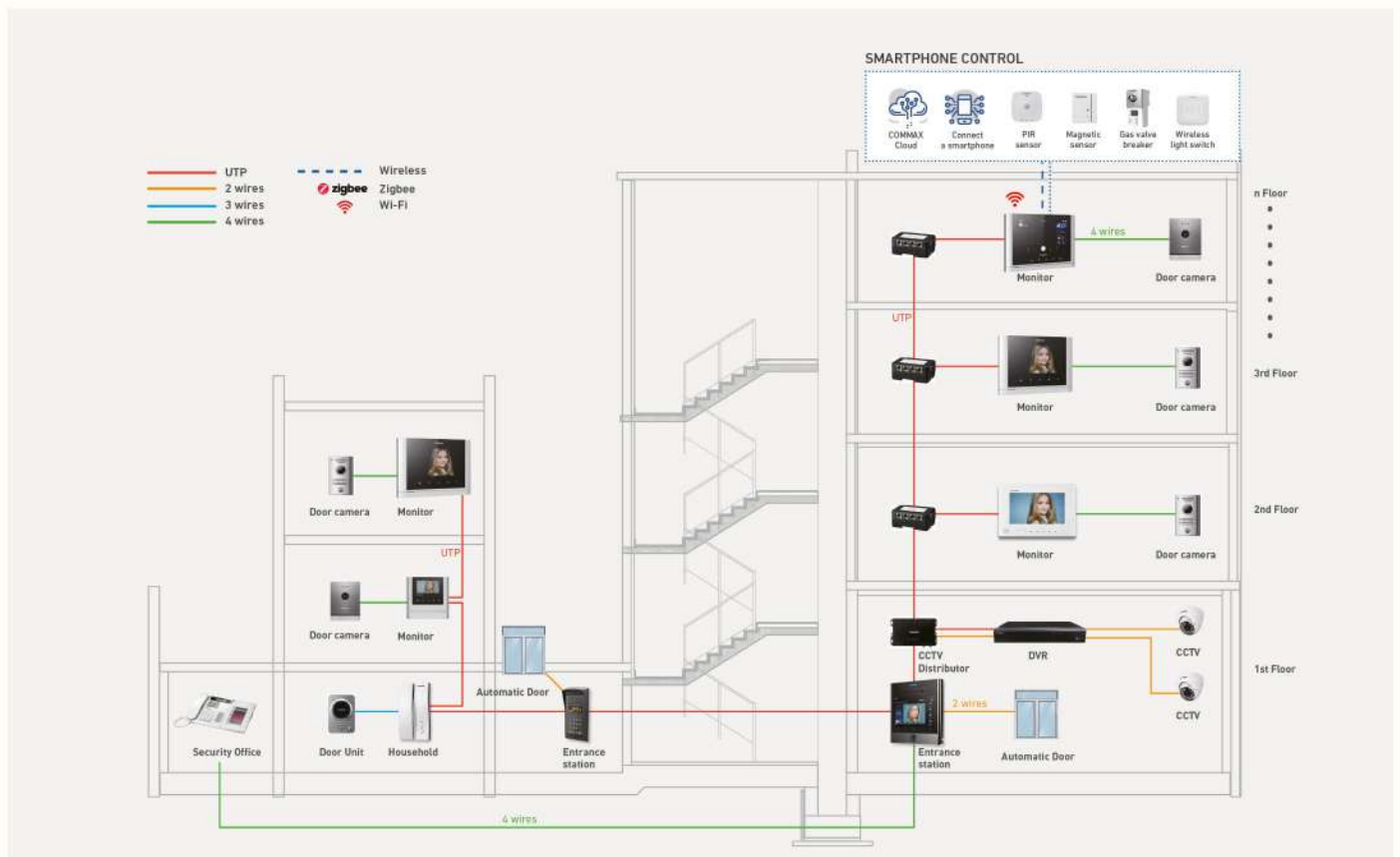
Power source	AC 100V~220V, 50/60Hz
Power consumption	Max.: 7W
Mount type	Desktop
Operating temp.	0°C~40°C
Wiring ports	UTP(Cat. 5e)
Distance	1Km (0.65Ø)
Dimension(mm)	328(W)×230(H)×97(D)

GATE VIEW

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



FIELD OF GATE VIEW SYSTEM APPLICATION



MONITOR

CAV-70MG2



Connect devices

Elevator call

PRODUCT FEATURES

- 7 inch LED Display
- Guard call & talk
- Elevator call function
- Video talk and door lock release enable (both individual and public entrance)

PRODUCT SPECIFICATION

Power source	AC 100-240V, 50/60Hz
Display	7 inch LED Display
Mount type	Wall-mounted type
Operating temp.	0°C~40°C
Wiring ports	UTP(CAT. 5e)
Power consumption	Max.15W
Distance	Lobby phone : 300m / Security office : 1Km
Dimension(mm)	244(W)×180(H)×18(D)

MONITOR

CAV-70MG+



PRODUCT FEATURES

- CCTV Monitoring with VD-202G+ Expandable up to 8 CCTV cameras)
- 7 inch LED Display
- Guard call & talk
- Video talk and door lock release enable (both individual and public entrance)

PRODUCT SPECIFICATION

Power source	AC 100-240V, 50/60Hz
Display	7 inch LED Display
Mount type	Wall-mounted type
Operating temp.	0°C~40°C
Wiring ports	UTP(CAT. 5e)
Power consumption	Max.15W
Distance	Lobby phone : 300m / Security office : 1Km
Dimension(mm)	244(W)×180(H)×18(D)

MONITOR

CAV-70MG



- 7 inch LED Display
- Video talk and door lock release enable (both individual and public entrance)
- Guard call & talk • OSD

Power source	AC 100-240V, 50/60Hz
Display	7 inch LED Display
Mount type	Wall-mounted type
Operating temp.	0°C~40°C
Wiring ports	UTP(CAT. 5e)
Power consumption	Max.15W
Distance	Lobby phone : 300m / Security office : 1Km
Dimension(mm)	244(W)×180(H)×18(D)

MONITOR

CAV-70MHG



Elevator call



- 7 inch LED Display • Elevator call function
- Video talk and door lock release enable (both individual and public entrance)
- OSD • Guard call & talk

Power source	AC 100-240V, 50/60Hz
Display	7 inch LED Display
Mount type	Wall-mounted type
Operating temp.	0°C~40°C
Wiring ports	UTP(CAT. 5e)
Power consumption	Max.15W
Distance	Lobby phone : 300m / Security office : 1Km
Dimension(mm)	293(W)×180(H)×34(D)

MONITOR

CAV-43MHG



- 4.3 inch LED Display
- Video talk and door lock release enable (both individual and public entrance)
- Guard call & talk • OSD

Power source	AC 100-240V, 50/60Hz
Display	7 inch LED Display
Mount type	Wall-mounted type
Operating temp.	0°C~40°C
Wiring ports	UTP(CAT. 5e)
Power consumption	Max.15W
Distance	Lobby phone : 300m / Security office : 1Km
Dimension(mm)	230(W)×180(H)×41(D)

MONITOR

CAV-43MG



- 4.3 inch LED Display • Guard call & talk • OSD
- Video talk and door lock release enable (both individual and public entrance)

Power source	AC 100-240V, 50/60Hz
Display	7 inch LED Display
Mount type	Wall-mounted type
Operating temp.	0°C~40°C
Wiring ports	UTP(CAT. 5e)
Power consumption	Max.15W
Distance	Lobby phone : 300m / Security office : 1Km
Dimension(mm)	180(W)×180(H)×28(D)

MONITOR CAV-43MG2



Elevator
call



- 4.3 inch LED Display
- Guard call & talk
- Elevator call function
- Video talk and door lock release enable
(both individual and public entrance)

Power source	AC 100-240V, 50/60Hz
Display	4.3 inch LED Display
Mount type	Wall-mounted type
Operating temp.	0°C~40°C
Wiring ports	UTP(CAT. 5e)
Power consumption	Max.15W
Distance	Lobby phone : 300m / Security office : 1Km
Dimension(mm)	180(W)×180(H)×28(D)

BIO LOBBY DRC-BIOL

NEW



Connect a
smartphone



BLE



RF card



Facial
Recognition



Fingerprint
Recognition



- Fingerprint and facial recognition
- Door open by BLE, RFID, Password(BLE : Smartphone App)
- Page and call a household unit or a security guard station

Power source	DC 14V, 2.1A
Display	10.1 inch LED Display / Multi Touch
Mount type	Flush-mounted type
Resolution	1024 x 600
OS	Android
CPU	Quad core
Camera	2M IP Camera(Wide Angle 142°)
Dimension(mm)	260(W)×270(H)×26(50)(D)
Installation hole size(mm)	207(W)×217(H)

ENTRANCE STATION DRC-7MBL/RF1



Rainshield(option)

- Door open by BLE, RFID, Password (BLE : Smartphone App)
- Page and call a household unit or a security guard station

Power source	DC 12V, 1A
Mount type	Flush-mounted type
Operating temp.	-20°C~+50°C
Wiring ports	UTP(CAT. 5e)
Distance	Max.300m
RFID card	13.56Mhz
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)

ENTRANCE STATION DRC-703LC/RF1



- Page and call a household unit or a security guard station
- Various verification methods (PIN number and RFID card)
- Expandable up to 99 units of DRC-703 LC/RF1

Power source	DC 12V, 1A
Mount type	Flush-mounted type
Wiring ports	Building Distributor : UTP
RFID card	13.56Mhz(optional)
Angle of view	Horiz.: 68°, Vert.: 55°
Operating temp.	-20°C~+50°C
Dimension(mm)	244(W)×270(H)×17(43)(D)
Installation hole size(mm)	207(W)×217(H)

ENTRANCE STATION

PARKING CONTROL AND
COMMUNITY LOBBY

DRC-10MP

NEW



Connect a
smartphone



BLE



RF card



Number
key



Rainshield(option)

- Entrance station, Parking control and Community lobby available
- Password, RFID, BLE(smartphone app) recognition
- Motion detection(Automatic guard call)
- Household and guard call & open door
- Built-in night LED
- Pin-hole camera

Power source	DC 12V / 1A
Display	2.4 inch OLED
Mount type	Flush-mounted type
Wiring ports	Household 1/2 : each 10 wires, Guard station : 8 wires, Monitor 4 wires, Switch : 3 wires(NO, NC selected), RS-232 : 3 wires, PIR : 3 wires
Distance	UTP(Cat.5e) : Max. 300m
Operation temp.	-20°~+50°
Dimension(mm)	130(W)×248(H)×12(23)(D)
Fill up box size(mm)	112(W)×211(H)

EXTENSION PANEL

DRC-24XM



- 24 Direct buttons call Extension panel (DRC-24XM)

Power source	From DRC-8TML
Mount type	Flush-mounted type
Operating temp.	-20°~+50°
Wiring ports	UTP(to DRC-8TML)
Dimension(mm)	130(W)×315(H)×10(D)
Installation hole size(mm)	110(W)×286(H)

ENTRANCE STATION

DRC-8TML



Connect a
smartphone



BLE



RF card



Number
key



- RF card registration and deletion possible (125KHz or 13.56MHz)
- 24Direct buttons panel(DRC-24XM)expansibility
- 8direct buttons & 10key
- BLE (Door open)
- OLED
- Pinhole camera

Power source	DC 12V / 1A
Operation temp.	-20°~+50°
Mount type	Flush-mounted type
Wiring ports	UTP
Min. Illumination	0.1Lux(up to 300mm)
Camera viewing angle	Horiz. : 75°, Vert. : 55°
Dimension(mm)	130(W)×315(H)×10(D)
Installation hole size(mm)	110(W)×286(H)

ENTRANCE STATION

DRC-GUC/RF1



- Paging and calling a household unit or a security guard station
- OLED
- Various verification methods (password and RFID card)

Power source	DC 12V, 1A
Mount type	Flush-mounted type
Operating temp.	-20°C~+40°C
Wiring ports	UTP(Cat. 5e)
Resolution	380TVL or 540TVL
Angle of view	Horiz.: 68°, Vert. : 55°
Dimension(mm)	130(W)×315(H)×10(38)(D)

AUDIO PHONE

AP-3SG



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

Power source	AC 110, 220, 240V, 50/60Hz
Mount type	Wall-mounted type
Operating temp.	0°C~40°C
Wiring ports	Common : UTP(Cat. 5e) Door camera : 3 wires
Distance	Lobby phone : 300m , Security office : 1Km
Dimension(mm)	94(W)×185(H)×38(D)

GUARD STATION

CDS-4GS



- Simple-to-use phone optimized for security station, exclusively for gate view
- Paging and calling a household
- Calling lobby phone
- Releasing door lock of public entrance

Power source	DC 12V, 1A
Power consumption	Max. : 2W
Mount type	Wall-mounted type / Desktop
Operating temp.	0°C~40°C
Wiring ports	UTP(Cat. 5e)
Distance	Max. 1Km
Dimension(mm)	196(W)×130(H)×51(D)

DISTRIBUTOR

CCU-4GF

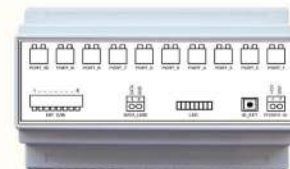


- Enables "STAR" wiring method for Gate View monitor connections
- CCU-4GF-to-CCU-4GF enabled to expand up to 40 units limited to 300 meters

Power source	DC 12V, 1A
Mount type	Wall-mounted type
Transmission	Lobby 8 Lines(Polarity) (RJ45 CAT.5e Patch Cable)
Distance	Maximum 300m (Possible to connect Max 40 units)
Dimension(mm)	106(W)×76(H)×44(D)

ELEVATOR CONNECTOR

CCU-310EV



- Able to call from Lobbyphone 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 Lobbyphones

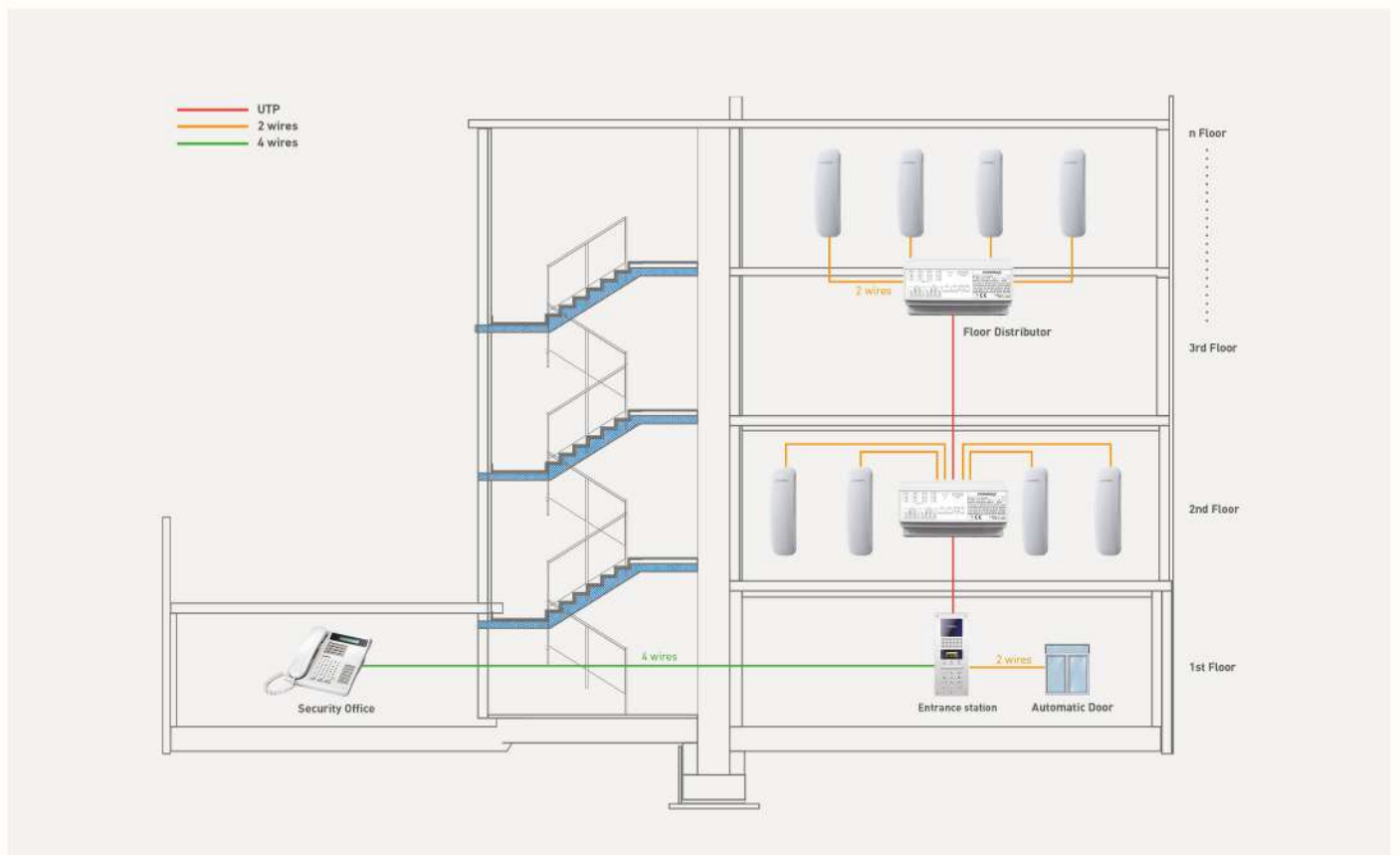
Power source	DC 12V, 1A
Mount type	Wall-mounted type, DIN rail type
Wiring ports	DATA : 2 wires Elevator S/W : 2 wires x 10ports
Distance	1km (0.65Ø)
Dimension(mm)	157(W)×86(H)×59(D)

AUDIO GATE SYSTEM (2 WIRES & UTP)

AUDIO GATE SYSTEM is optimized for multi-complex apartments, condos and buildings. It also provides a simple installation method and expandability for cost-effective implementation.



FIELD OF AUDIO GATE SYSTEM APPLICATION



AUDIO DOOR UNIT

DR-2GS



- Vandal proof
- Guard call and talk

Power source	DC 12V (from Guard Phone)
Mount type	Wall-mounted type
Operating temp.	-40°C~50°C
Wiring ports	6wires
Dimension(mm)	87(W)x120(H)x20(D)

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-2AG/RF1

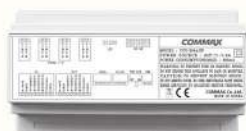


- Expandability Up to 4~1,000 household units (Up to 3 RFID Card registration per household enabled)

Power source	DC 12V, 1A
Consumption	Standby : 400mA, Max. : 500mA
RFID card	13.56MHz (optional)
Mount type	Flush-mounted type
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, 3A
Port	4 / 8 channel (Connectable with 2 wire Audio phone up to 4/8/16/32 ea)
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, 3A
Port	16 / 32 channel (Connectable with 2 wire Audio phone up to 4 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

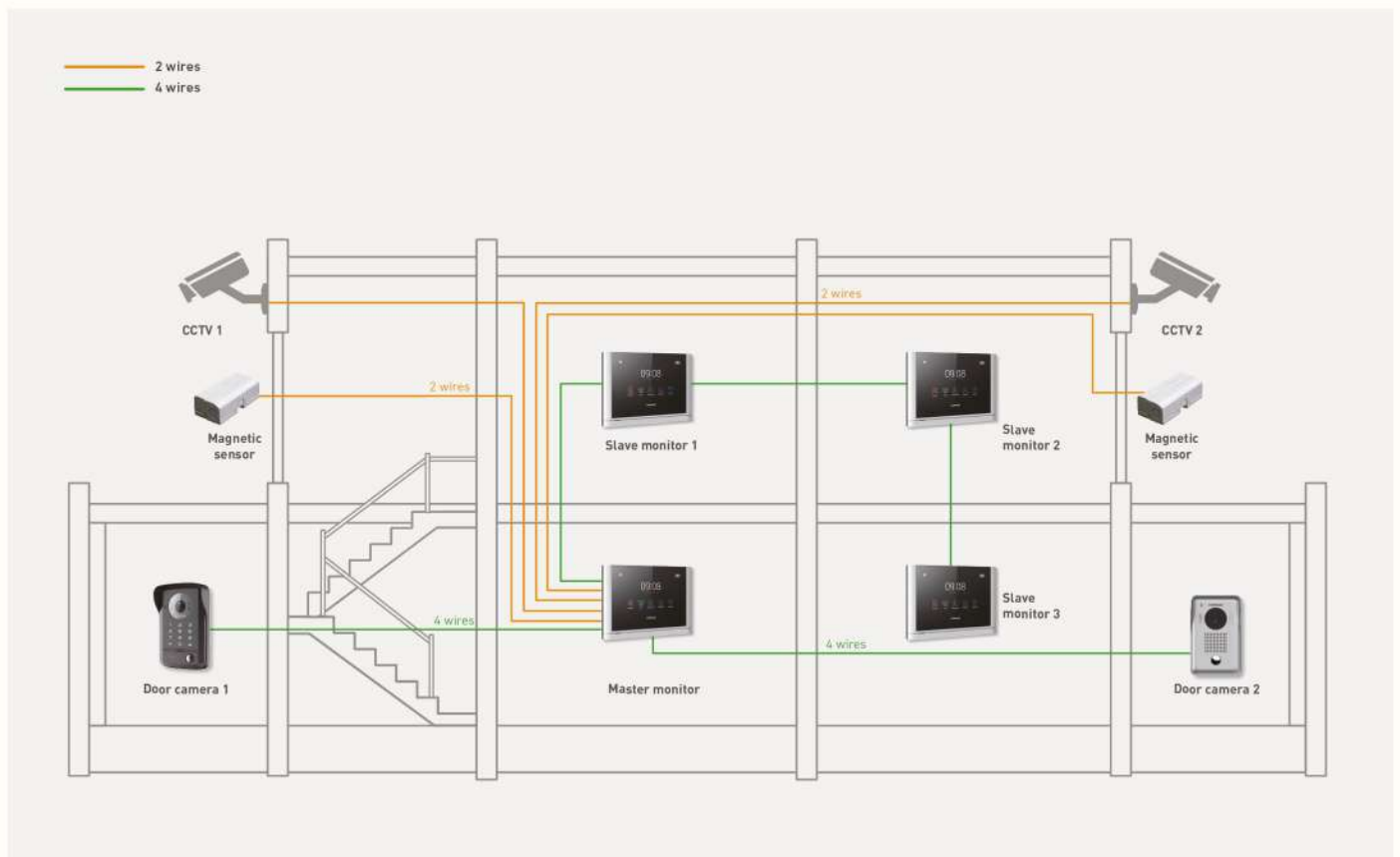
Power source	DC 12V, 1A
Mount type	Desktop
Wiring ports	Building distributor-to-Guard Station : UTP
Distance	Max. 1km
Dimension(mm)	230(W)x200(H)x35(D)

HOME BLACK BOX

HOME BLACK BOX monitor is able to detect and record any suspicious movements around your home, check the status at any time.



FIELD OF HOME BLACK BOX APPLICATION (4:4:4 AHD SYSTEM)



MONITOR

CDV-1024MA



DOOR LOCK CAMERA

* See the back of the actual content



PRODUCT FEATURES

- Security function(Security sensor 1,2)
- Connecting 2 individual door camera & 2 CCTV
(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

PRODUCT SPECIFICATION

Power source	AC 100-240V, 50/60Hz
Display	10.1 inch wide color LCD
Mount type	Wall-mounted type
Operating temp.	0°C~40°C
Wiring ports	Door camera : 4 wires / Expansion : 4 wires CCTV : 2 wires / Magnetic sensor : 2wires
Distance	Door camera : 50m(0.65Ø)
Power consumption	Max.18.5W, standby 3.5W
Dimension(mm)	308(W)x213(H)x23(D)

MONITOR

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 wide color LCD
Mount type	Wall-mounted type
Operating temp.	0°C~40°C
Wiring ports	Door camera : 4 wires / Expansion : 4 wires CCTV : 2 wires / Magnetic sensor : 2 wires
Distance	Door camera : 50m(0.65Ø)
Power consumption	Max.18.5W, standby 3.5W
Dimension(mm)	244(W)x180(H)x18(D)

MONITOR

CDV-70MF



- Auto image & movie clip saving(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 touch display
Mount type	Wall-mounted type
Wiring ports	Door camera1, 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)
Operating temp.	0°C~40°C
Dimension(mm)	244(W)x180(H)x18(D)

MONITOR

CDV-704MA

NEW



Connect devices



Videopicture auto recording



- 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)
- CCTV Monitoring for main entrance • 1.3MP camera

Power source	AC 100-240V, 50/60Hz
Display	7 inch wide color LCD
Mount type	Wall-mounted type
Operation temp.	0°C~40°C
Wiring ports	Door camera : 4 wires / Expansion : 4 wires CCTV : 2 wires
Distance	Door camera : 50m(Ø0.65)
Power consumption	Max.15W, standby 3W
Dimension(mm)	244(W)×180(H)×18(D)

MONITOR

CDV-704MHA

NEW



Connect devices



Videopicture auto recording



- 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)
- CCTV Monitoring for main entrance • 1.3MP camera

Power source	AC 100-240V, 50/60Hz
Display	7 inch wide color LCD
Mount type	Wall-mounted type
Operation temp.	0°C~40°C
Wiring ports	Door camera : 4 wires / Expansion : 4 wires CCTV : 2 wires
Distance	Door camera : 50m(Ø0.65)
Power consumption	Max.15W, standby 4W
Dimension(mm)	293(W)×180(H)×34(D)

DOOR LOCK CAMERA

DRC-40DK/41DK



RF card

123

Number key



- 2 Door open camera • 3 way access (PW, RF Card, Video phone) • Enter the password using 10key • Illuminance sensor
- House call and talk • Motion detection (PIR)
- DRC-40DK : wall-mounted type
DRC-41DK : Built-in type

Power source	DC 12V, 1A (Adaptor)
Operation temp.	-10°C~+50°C
Wiring ports	4 wires to a monitor / 2 wires to door 1 / 3 wires to door 2 (non-polarity)
Min. Illumination	0.1Lux (up to 300mm)
Lighting	Built-in white LED (3 pie) 2 EA
Imaging angle	110° diagonal
Camera viewing angle	Horiz. 75° Vert. 55°
Distance	28 meters (Ø0.5 UTP)
Dimension(mm)	DRC-40DK : 127(W)×193(H)×54(D) DRC-41DK : 127(W)×193(H)×63(D)

DOOR CAMERA

DRC-40YFD

2MP

2mega pixel



- 2 door open camera(CDV-70MF)
- Wall-mounted type
- House call and talk
- Built-in illumination sensor and white LED
- Both indoor and outdoor use
- FHD 2M pixel

Power source	DC 12V(From monitor)
Operation temp.	-10°C~+50°C
Wiring ports	Door 1 release : 2 wires Door 2 release : 3 wires
Camera viewing angle	Horiz. 75° Vert. 55°
Distance	50m(Ø0.65)
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
- Both indoor and outdoor use
- AHD 1.3M pixel

Power source	DC 12V(From monitor)
Operation temp.	-10°C~+50°C
Wiring ports	4 wires
Camera viewing angle	Horiz. 75° Vertical 55°
Distance	50m(Ø0.65)
Dimension(mm)	96(W)×155(H)×32(D)

DOOR CAMERA

DRC-4CPHD/4CPHD2

2MP
2mega-pixel



- Built-in illumination sensor and white LED
- Both indoor and outdoor use
- Wall-mounted type • House call and talk
- DRC-4CPHD : AHD 1.3M pixel
- DRC-4CPHD2 : FHD 2M pixel.

Power source	DC 12V(From monitor)
Operation temp.	-10°C~+50°C
Wiring ports	4 wires
Camera viewing angle	Horiz. 68° Vertical 55°
Distance	50m(Ø0.65)
Dimension(mm)	58.7(W)×164(H)×42(D)

DOOR CAMERA

DRC-4CPNK

123
Number key



- Built-in illumination sensor
- Outdoor model
- Wall-mounted type
- 6buttons • House call and talk
- 2 door open(option)

Power source	DC 12V(From monitor / adaptor)
Operation temp.	-10°C~+50°C
Wiring ports	4 wires
Lighting	Built-in white LED
Camera viewing angle	Horiz. 68° Vertical 55°
Distance	28m(Ø0.5) 50m(Ø0.65)
Dimension(mm)	58.7(W)×164(H)×42(D)

HD IR BULLET 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

Image sensor	Color 1/3"1.3M SC1235 Sensor
Min. illumination	0.05Lux
Lens	3.6mm Fixed
Video compression	AHD
Max. image Resolution	1280 x 960, 1.3M pixels
Operation temp.	-10°C~50°C
Power supply/Consumption	DC 12V
IR range/LEDs	30m / 2pcs

HD 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

Image sensor	Color 1/3"1.3M SC1235 Sensor
Min. illumination	0.05Lux
Lens	3.6mm Fixed
Video compression	AHD
Max. image Resolution	1280 x 960, 1.3M pixels
Operation temp.	DC 12V
Power supply/Consumption	30m / 2pcs
IR range/LEDs	30m / 2pcs

SENSOR

MS-10



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

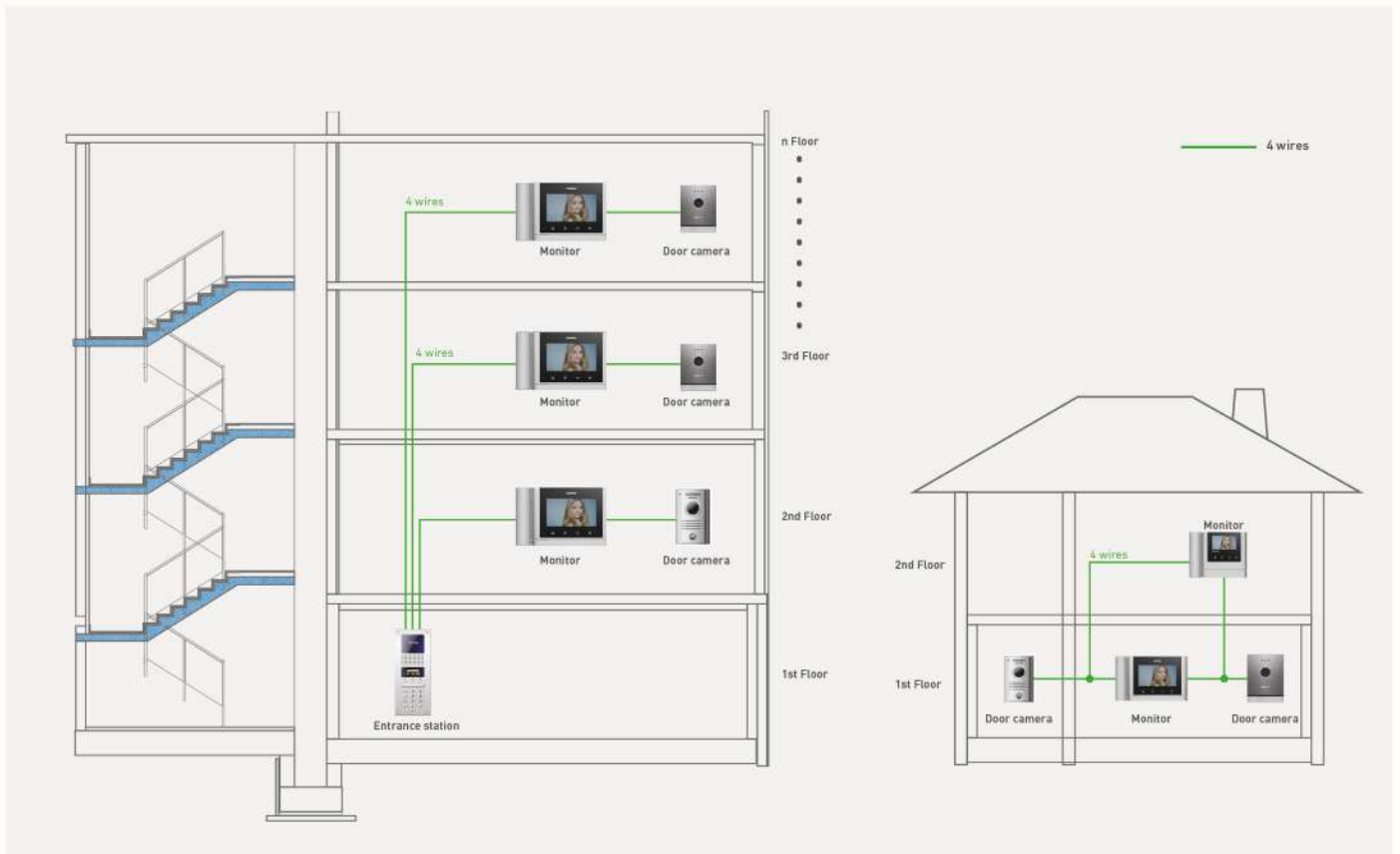
Power input	DC 9~13V
Consumption	Max 10mA
Effective range	27mm
Detection type	N.C
Reed S/W	Flex/MDSR Type
Operating temp.	-20°C~+70°C
Dimension(mm)	12(W)×55(H)×13(D)

FINE VIEW

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



FIELD OF FINE VIEW APPLICATION



MONITOR

CDV-70M



- 7 inch TFT LCD screen
- PAL/NTSC convertible
- Video talk and door lock release enable (both individual and public entrance)
- Support 2 Monitors, 2 Cameras and 2 Interphones

Power source	AC 100-240V, 50/60Hz
Mount type	Wall-mounted type
Operating temp.	0°C~40°C
Wiring ports	Door camera 1, 2 : 4 wires Interphone : 4 wires
Distance	Door camera : 28m(0.5Ø) / Interphone : 30m(0.65Ø)
Power consumption	Max.15W, standby 3W
Dimension(mm)	244(W)×180(H)×18(D)

MONITOR

CDV-70MH



- 7 inch TFT LED Display
- Video talk and door lock release enable
- PAL/NTSC convertible
- Support 2 Monitors, 2 Cameras and 2 Interphones

Power source	AC 100-240V, 50/60Hz
Mount type	Wall-mounted type
Operating temp.	0°C~40°C
Wiring ports	Door camera 1, 2 : 4wires Interphone : 4 wires
Distance	Door camera : 28m(0.5Ø) / Interphone : 30m(0.65Ø)
Dimension(mm)	293(W)×180(H)×34(D)

MONITOR

CDV-70MHM



- 7 inch TFT LED Display
- Video talk and door lock release enable
- PAL/NTSC convertible
- Support 2 Monitors, 2 Cameras and 2 Interphones
- Memory storing in Micro SD memory (SD Card is not included)

Power source	AC 100-240V, 50/60Hz
Mount type	Wall-mounted type
Operating temp.	0°C~40°C
Wiring ports	Door camera 1, 2 : 4wires Interphone : 4 wires
Distance	Door camera : 28m (0.5Ø) / Interphone : 30m(0.65Ø)
Power consumption	Max.15W, standby 3.5W
Dimension(mm)	293(W)×180(H)×34(D)

MONITOR

CDV-70H/70H2/70HM2



- 7 inch TFT LED Display
- Video talk and door lock release enable
- Support 2 monitors, 1 camera and 2 Interphones(CDV-70H)
- Support 2 monitors, 2 cameras and 2 Interphones(CDV-70H2/70HM2)
- Memory storing in Micro SD memory(SD Card is not included CDV-70HM2)
- PAL/NTSC convertible
- Intercommunication with sub monitor and interphone

Power source	AC 100-240V, 50/60Hz
Mount type	Wall-mounted type
Operating temp.	0°C~40°C
Wiring ports	CDV-70H : Door camera : 4 wires / Interphone : 4 wires CDV-70H2/70HM2 : Door camera 1, 2 : 4 wires / Sub interphone : 4 wires
Distance	Door camera : 28m(0.5Ø) Interphone : 30m(0.65Ø)
Dimension(mm)	180(W)×180(H)×28(D)

MONITOR

CDV-70N/70N2/70NM



- Video talk and door lock release enable
- Handset type design
- Expandable up to 1 door camera, 2 monitors and 2 interphones (CDV-70N)
- 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)

Power source	AC 100-240V, 50/60Hz
Mount type	Wall-mounted type
Operating temp.	0°C~40°C
Wiring ports	CDV-70N/70NM : Door camera : 4 wires / Interphone : 4 wires CDV-70N2 : Door camera 1, 2 : 4 wires / Sub interphone : 4 wires
Distance	Door camera : 28m(0.5Ø) Interphone : 30m(0.65Ø)
Dimension(mm)	230(W)×180(H)×28(D)

MONITOR

CDV-70K/70KM



- 7 inch TFT LCD screen
- Video talk and door lock release enable
- Expandable up to 2 monitors with 2 CCTV cameras and 2 door cameras
- Memory storing in SD memory storage (CDV-70KM)

Power source	AC 100-240V, 50/60Hz
Mount type	Wall-mounted type
Operating temp.	0°C~40°C
Wiring ports	Door camera 1, 2 : 4 wires Interphone : 4 wires
Distance	Door camera : 28m (0.5Ø) / Interphone : 30m(0.65Ø)
Dimension(mm)	311(W)×168(H)×32(D)

MONITOR(3 DOOR OPEN)

CDV-70KR3



- Door release enabled by monitoring (without visitor's call)
- 3 Door release function (front door, garage, back door)
- Support 2 Monitors, 2 Cameras, and 2 Interphones

Power source	AC 100-240V, 50/60Hz
Mount type	Wall-mounted type
Operating temp.	0°C~40°C
Wiring ports	Door camera 1, 2 : 4 wires Interphone : 4 wires
Distance	Door camera : 50m(0.65Ø) Interphone : 30m(0.65Ø)
Dimension(mm)	311(W)×168(H)×32(D)

MONITOR(PAN/TILT)

CDV-70KPT



- Digital Pan-Tilt(160° angle of view)
- Navigation buttons applied to maneuver display
- Support 2 Monitors, 2 Cameras and 2 Interphones
- PAL/NTSC convertible
- DRC-40KPT connectable

Power source	AC 100-240V, 50/60Hz
Mount type	Wall-mounted type
Operating temp.	0°C~40°C
Wiring ports	Door camera 1, 2 : 4 wires Interphone : 4 wires
Distance	Door camera : 50m(0.65Ø) Interphone : 30m(0.65Ø)
Dimension(mm)	311(W)×168(H)×32(D)

MONITOR

CDV-43M



- 4.3 inch TFT LCD screen
- Video talk and door lock release enable (both individual and public entrance)
- Support 2 Monitors, 2 Cameras and 2 Interphones
- PAL/NTSC convertible

Power source	AC 100-240V, 50/60Hz
Mount type	Wall-mounted type
Operating temp.	0°C~40°C
Wiring ports	Door camera 1, 2 : 4 wires Interphone : 4 wires
Distance	Door camera : 28m (0.5Ø) / Interphone : 30m(0.65Ø)
Dimension(mm)	180(W)×180(H)×28(D)

MONITOR

CDV-43MH



- 4.3 inch TFT LED display
- Video talk and door lock release enable
- Support 2 Monitors, 2 Cameras and 2 Interphones
- PAL/NTSC convertible

Power source	AC 100-240V, 50/60Hz
Mount type	Wall-mounted type
Operating temp.	0°C~40°C
Wiring ports	Door camera 1, 2 : 4 wires Interphone : 4 wires
Distance	Door camera : 28m (0.5Ø) / Interphone : 30m(0.65Ø)
Dimension(mm)	230(W)×180(H)×41(D)

MONITOR

CDV-43K/43K2/43KM



- Support 2 monitors, 1 camera and 2 Interphones(CDV-43K)
- Support 2 monitors, 2 cameras and 2 Interphones(CDV-43K2/43KM)
- Intercommunication with sub monitor and interphone
- Built-in memory storing in SD memory (SD Card is not included)(CDV-43KM)

Power source	AC 100-240V, 50/60Hz
Mount type	Wall-mounted type
Operating temp.	0°C~40°C
Wiring ports	CDV-43K/43KM : Door camera : 4 wires / Interphone : 4 wires CDV-43K2 : Door camera 1, 2 : 4 wires / Sub interphone : 4 wires
Distance	Door camera : 28m(0.5Ø) / Interphone : 30m(0.65Ø)
Dimension(mm)	157(W)×167(H)×28(D)

DOOR CAMERA

DRC-4CPN3



- Built-in illumination sensor
- Outdoor model
- Wall-mounted type
- House call and talk

Power source	DC 12V(From monitor)
Operating temp.	-10°C~+50°C
Wiring ports	4 wires
Lighting	Built-in white LED (3pie) 2 EA
Camera viewing angle	Horiz. 68° Vertical 55°
Distance	28m(0.5Ø) 50m(0.65Ø)
Dimension(mm)	58.7(W)×164(H)×42(D)

DOOR CAMERA

DRC-41M



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

Power source	DC 12V(From monitor)
Operating temp.	-10°C~+50°C
Wiring ports	4 wires
Camera viewing angle	Horiz. 75° Vertical 55°
Distance	50m(0.65Ø)
Dimension(mm)	112.2(W)×146.2(H)×44.3(D)

DOOR CAMERA

DRC-4M



- Built-in illumination sensor
- House call and talk
- Built-in white LED
- Flush mounted type

Power source	DC 12V(From monitor)
Operating temp.	-10°C~+50°C
Wiring ports	4 wires
Camera viewing angle	Horiz. 75° Vertical 55°(Adjustable)
Distance	50m(0.65Ø)
Dimension(mm)	112.2(W)×146.2(H)×44.3(D)

DOOR CAMERA

DRC-40K



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

Power source	DC 12V(From monitor)
Operating temp.	-10°C~+50°C
Wiring ports	4 wires
Camera viewing angle	Horiz. 75° Vertical 55°
Distance	50m(0.65Ø)
Dimension(mm)	96(W)×155(H)×32(D)

DOOR CAMERA

DRC-40KR2



- 2 Door open camera (CDV-70KR3/70AR3 Connectable)
- Illuminance sensor
- Outdoor model
- Surface-mounted type
- House call and talk
- Built-in white LED

Power source	DC 12V(From monitor)
Operating temp.	-10°C~+50°C
Wiring ports	4 wires to a monitor Door 1 release : 2 wires Door 2 release : 3 wires
Camera viewing angle	Horiz. 75° Vertical 55°
Distance	50m(0.65Ø)
Dimension(mm)	96(W)×155(H)×32(D)

DOOR CAMERA

DRC-40KPT



- Pan-Tilt camera(PT Connectable)
- 160° angle of view
- Illuminance sensor
- Outdoor model
- Surface-mounted type
- House call and talk
- Built-in white LED

Power source	DC 12V(From monitor)
Operating temp.	-10°C~+50°C
Wiring ports	4 wires
Camera viewing angle	Horiz. 82° Vertical 50°
Distance	50m(0.65Ø)
Dimension(mm)	96(W)×155(H)×32(D)

MULTI BUTTON DOOR CAMERA (ONLY FOR FINE VIEW)

MULTI BUTTON DOOR CAMERA is optimized for small sized apartment and condo complexes and can be combined with COMMAX FINE VIEW SERIES.



MULTI BUTTON DOOR CAMERA

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



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

Power source	DC12V/1A
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)

EXTENSION PANEL

DRC-24XM(F)



- 24 Direct buttons panel(DRC-24XM) expansibility
- 10 direct buttons
- 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 DOOR CAMERA

DRC-2UC



- 2 button wide name plate
- Material : Aluminum
- House call and talk
- Built-in white LED
- DC 12V, 1A

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)×250(H)×50(D)
Installation hole size(mm)	115(W)×223(H)
Fillup box size(mm)	122(W)×239(H)×10(37)(D)

MULTI BUTTON DOOR CAMERA

DRC-3UC



- 3 button wide name plate
- Material : Aluminum
- House call and talk
- Built-in white LED
- DC 12V, 1A

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)×250(H)×50(D)
Installation hole size(mm)	115(W)×223(H)
Fillup box size(mm)	122(W)×239(H)×10(37)(D)

MULTI BUTTON DOOR CAMERA

DRC-4UC



- 4 button wide name plate
- Material : Aluminum
- House call and talk
- Built-in white LED
- DC 12V, 1A

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)×250(H)×50(D)
Installation hole size(mm)	115(W)×223(H)
Fillup box size(mm)	122(W)×239(H)×10(37)(D)

MULTI BUTTON DOOR CAMERA

DRC-5UC



- 5 button wide name plate
- Material : Aluminum
- House call and talk
- Built-in white LED
- DC 12V, 1A

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)×315(H)×50(D)
Installation hole size(mm)	115(W)×289(H)
Fillup box size(mm)	122(W)×305(H)×10(37)(D)

MULTI BUTTON DOOR CAMERA

DRC-6UC



- 6 button wide name plate
- Material : Aluminum
- House call and talk
- Built-in white LED
- DC 12V, 1A

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)×315(H)×50(D)
Installation hole size(mm)	115(W)×289(H)
Fillup box size(mm)	122(W)×305(H)×10(37)(D)

MULTI BUTTON DOOR CAMERA

DRC-7UC



- 7 button wide name plate
- Material : Aluminum
- House call and talk
- Built-in white LED
- DC 12V, 1A

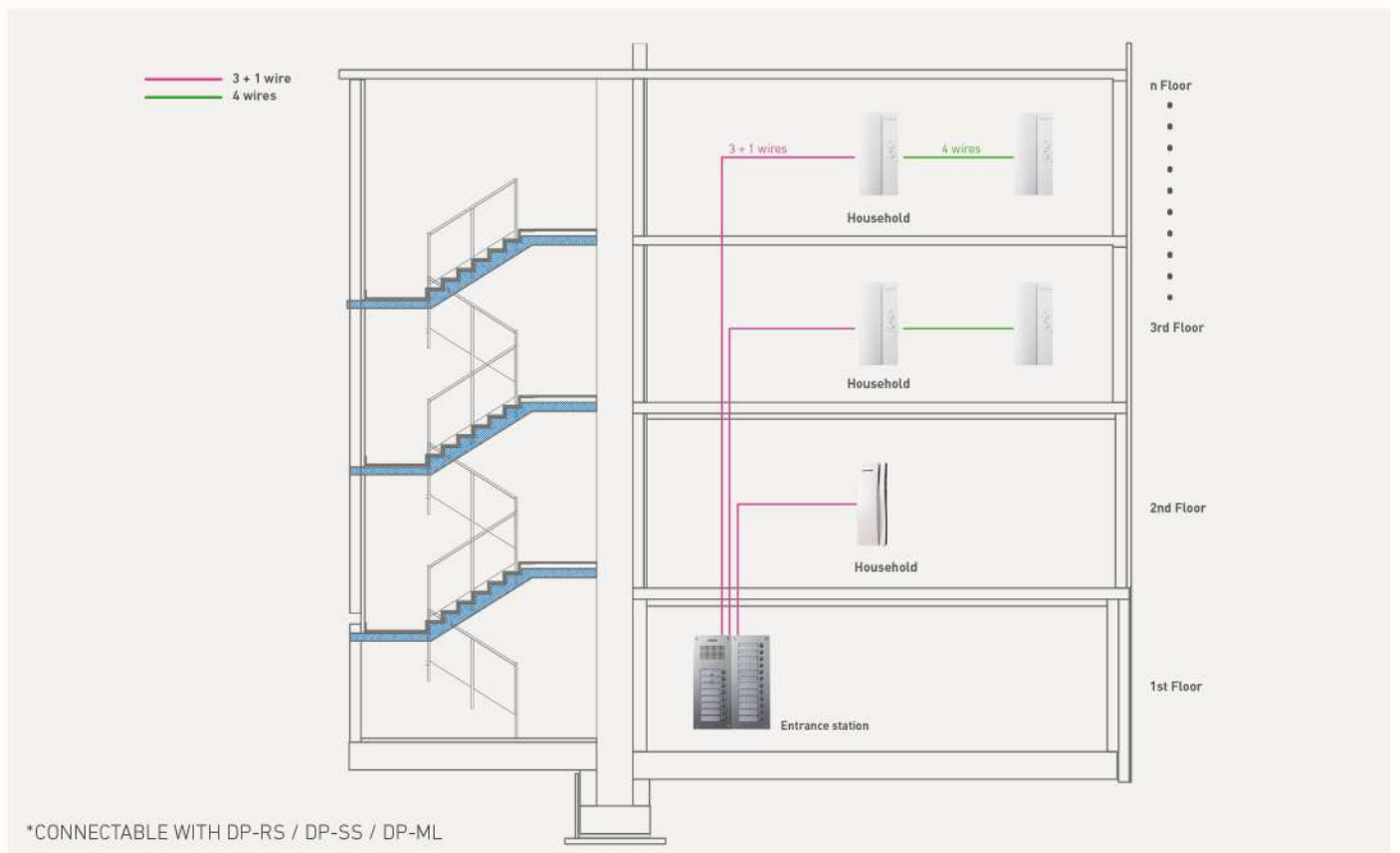
Operation temp.	-10°C~+50°C
Wiring ports	4 wires
Camera angle adjusting	Ascendant : 13° Descendant : 13°
Distance	28m(0.5Ø) 50m(0.65Ø)
Dimension(mm)	130(W)×315(H)×50(D)
Installation hole size(mm)	115(W)×289(H)
Fillup box size(mm)	122(W)×305(H)×10(37)(D)

MULTI BUTTON AUDIO UNIT

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



FIELD OF MULTI BUTTON AUDIO UNIT APPLICATION



MULTI BUTTON AUDIO UNIT DR-24ML

NEW



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

Power source	DC 12V, 1.5A
Data Transmission	3 wire in common + 1 wire
Dimension (mm)	130(W)×405(H)×50(D)

MULTI BUTTON AUDIO UNIT DR-2UM



- 2 button wide name plate
- Material : Aluminum • LED light
- House call and talk • DC 12V

Data transmission	3 wire in common +1 wire
Communication	Hands-free type
Dimension(mm)	130(W)×315(H)×50(D)
Installation hole size(mm)	110(W)×284(H)
Fillup box size(mm)	130(W)×315(H)×10(37)(D)

MULTI BUTTON AUDIO UNIT DR-4UM



- 4 button wide name plate
- Material : Aluminum • LED light
- House call and talk • DC 12V

Data transmission	3 wire in common +1 wire
Communication	Hands-free type
Dimension(mm)	130(W)×315(H)×50(D)
Installation hole size(mm)	110(W)×284(H)
Fillup box size(mm)	130(W)×315(H)×10(37)(D)

MULTI BUTTON AUDIO UNIT DR-6UM



- 6 button wide name plate
- Material : Aluminum • LED light
- House call and talk • DC 12V

Data transmission	3 wire in common +1 wire
Communication	Hands-free type
Dimension(mm)	130(W)×315(H)×50(D)
Installation hole size(mm)	110(W)×284(H)
Fillup box size(mm)	130(W)×315(H)×10(37)(D)

MULTI BUTTON AUDIO UNIT DR-8UM



- 8 button wide name plate
- Material : Aluminum • LED light
- House call and talk • 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 UNIT DR-NUS



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

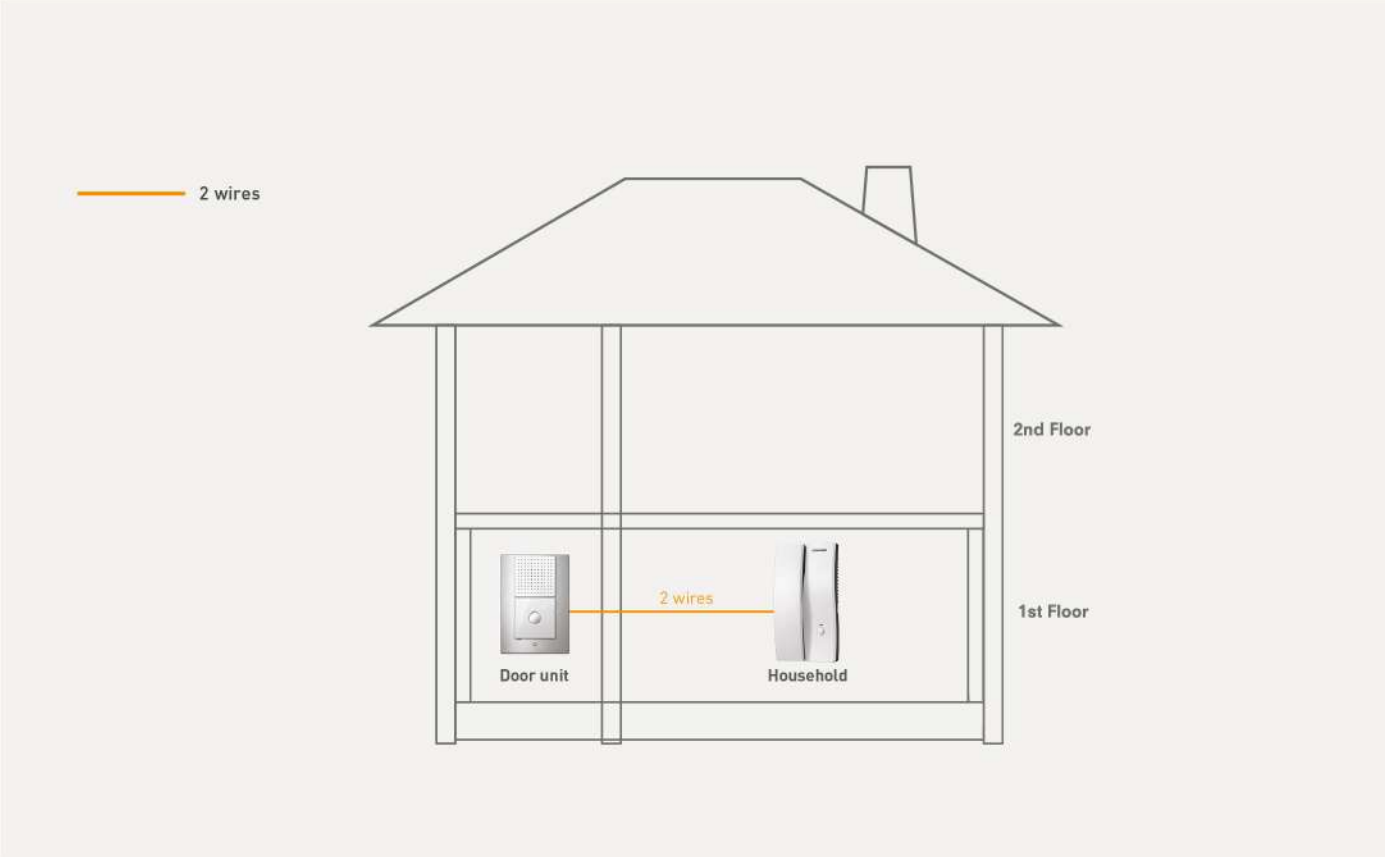
Data transmission	3 wire in common +1 wire
Communication	Hands-free type
Dimension(mm)	130(W)×315(H)×10(D)
Installation hole size(mm)	110(W)×284(H)
Fillup box size(mm)	130(W)×315(H)×10(37)(D)

DOORPHONE

DOORPHONE is standard product line that provides a better audio quality along with its refined design.



FIELD OF DOORPHONE APPLICATION



DOORPHONE

DP-RS



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

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

DOORPHONE

DP-2LD



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

Power source	AA size 1.5V battery x 4, DC 9~12V Adaptor
Mount type	Wall-mounted type(Bracket included)
Wiring ports	Call : Non-polar 2 wires Door Release : 2 wires
Distance	Door unit : 100m (0.65Ø)
Dimension(mm)	98(W)×208(H)×38(61)(D)
Battery life	15 months (stand-by) 9 months (use 15 times a day)

DOORPHONE

DP-2S



- 2 wires with non-polarity
- User friendly handset design with convenient hand grip
- 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)

DOORPHONE

DP-LA101M/S



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

Power source	AC 220V, 50Hz only
Mount type	Wall-mounted type
Wiring ports	Call : 2 wires Door Release : 2 wires Master/Slave : 6 wires
Distance	50m Door to Room(0.65Ø) 30m Room to Room(0.65Ø)
Dimension(mm)	98(W)×208(H)×43(D)

DOORPHONE

DP-201LA



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

Power source	AC 220V, 50Hz only
Mount type	Wall-mounted type
Wiring ports	Call : 2 wires Door Release : 2 wires
Distance	100m(0.65Ø) 150m(0.8Ø)
Dimension(mm)	98(W)x208(H)x43(D)

DOORPHONE

DP-LA01M/S



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

Power source	AC 110/220/230/240V, 50/60Hz
Mount type	Wall-mounted type
Wiring ports	Call : 2 wires Door Release : 2 wires Master/Slave : 5 wires
Distance	50m Door to Room 30m Room to Room
Dimension(mm)	98(W)x208(H)x43(D)

DOORPHONE

DP-SS



- Up to 40 households
- Talk with a visitor
- Door release

Power source	DC 12V (Supplied by DR-nUM)
Mount type	Wall-mounted type
Wiring ports	DR-num : 4 wires Door release : 2 wires
Dimension(mm)	72(W)x210(H)x33(61)(D)

DOORPHONE

DP-ML



- Talk with a visitor
- Door release
- Up to 40 households
- Talk with a guard(DP-ML)

Power source	AC 220V, 50Hz
Mount type	Wall-mounted type
Wiring ports	4 wires
Distance	100m(0.65Ø) 150m(0.8Ø)
Dimension(mm)	98(W)x208(H)x38(61)(D)

AUDIO DOOR UNIT

DR-201D



- House call and talk
- 2-wire entrance panel

Power source	DC 9V (from Doorphone)
Mount type	Wall-mounted type
Operation temp.	-10°C~+40°C
Wiring ports	2 wires
Dimension(mm)	96(W)×140(H)×42(D)

AUDIO DOOR UNIT

DR-2L



- House call and talk
- 2-wire entrance panel

Power source	DC 9V (from Doorphone)
Mount type	Wall-mounted type
Operation temp.	-10°C~+40°C
Wiring ports	2 wires
Dimension(mm)	126(W)×186(H)×23(D)

AUDIO DOOR UNIT

DR-2K



- House call and talk
- 2-wire entrance panel

Power source	DC 9V(from Doorphone)
Mount type	Wall-mounted type
Operation temp.	-10°C~+40°C
Wiring ports	2 wires
Dimension(mm)	96(W)×128(H)×26(D)

AUDIO DOOR UNIT

DR-2GN



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

Power source	DC 9V(from Doorphone)
Mount type	Wall-mounted type
Operation temp.	-10°C~+40°C
Wiring ports	2 wires
Dimension(mm)	88(W)×120(H)×21(D)

AUDIO DOOR UNIT

DR-2PN



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

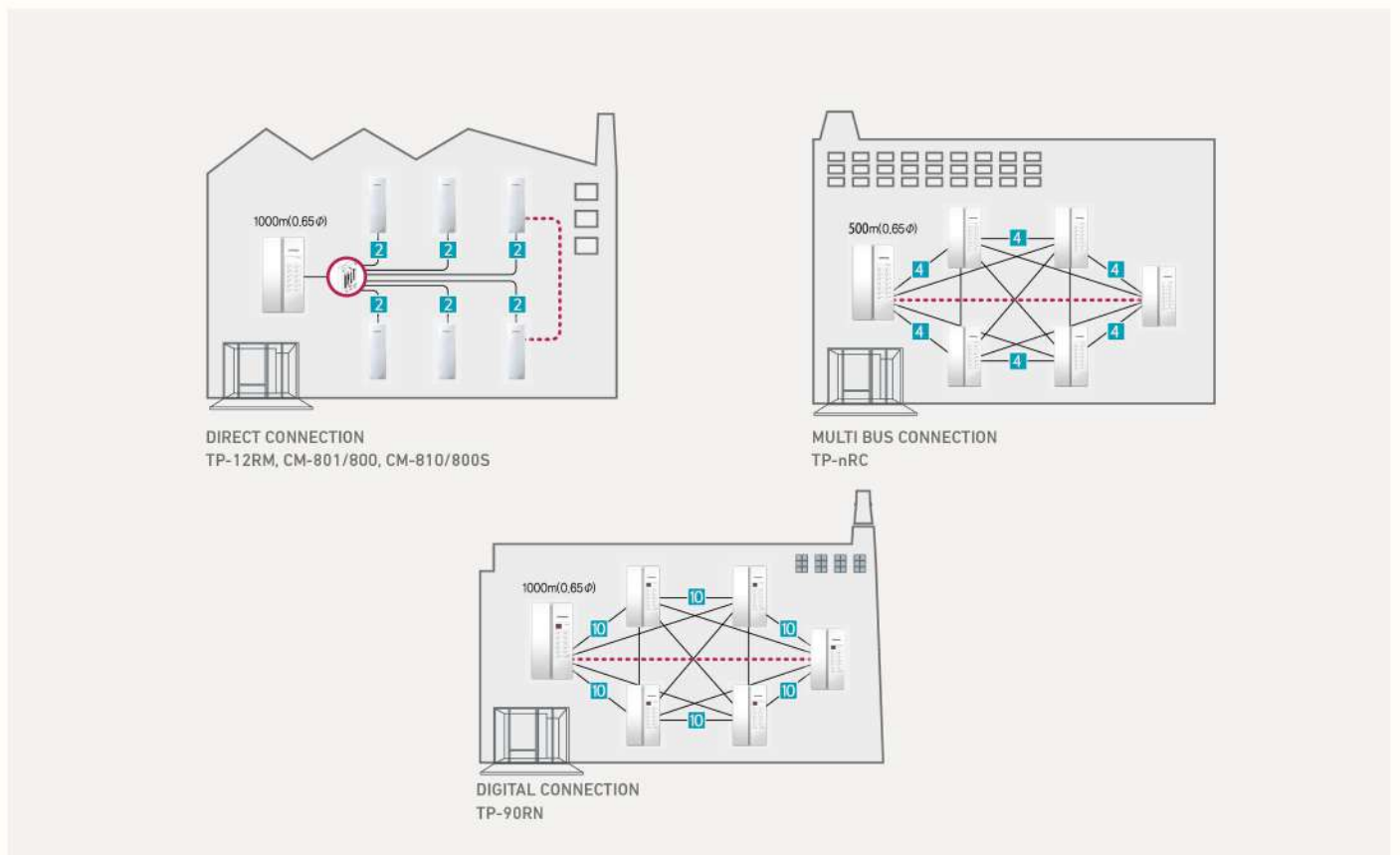
Power source	DC 9V(from Doorphone)
Mount type	Wall-mounted type
Operation temp.	-10°C~+40°C
Wiring ports	2 wires
Dimension(mm)	50(W)×118(H)×25(D)

INTERPHONE / INTERCOM

The quintessential INTERPHONE and INTERCOM with distinguished design and excellent quality have been the best-selling COMMAX products.



FIELD OF INTERPHONE/INTERCOM APPLICATION



INTERPHONE

TP-NR



PRODUCT FEATURES

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

PRODUCT SPECIFICATION

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)

WIRELESS INTERPHONE

WT-171L(M/S)



- 1:1 Paging & Calling
- Auto frequency switching function to eliminate interference

Power source	AC 100-240V, 50/60Hz
Mount type	Desk-top & Wall-mounted type
Wiring ports	Wireless
Distance	Open area : 250m (with barrier : 50m)
Frequency	1.7 GHz~1.9GHz
Dimension(mm)	98(W)×208(H)×43(66)(D)

WIRELESS DOORPHONE

WDP-174L(M/S) WDR-174DS



- 1:1 call with a door unit
- Talk with a visitor
- Door release via WDR-174DS (wireless door unit)

Power source	WDP-174L : AC 100-240V, 50/60Hz WDR-174DS : DC 12V
Mount type	Desktop & Wall-mounted type
Wiring ports	Wireless
Distance	Open area : 250m (with barrier : 50m)
Frequency	1.7GHz~1.9GHz
Dimension(mm)	WDP-174L : 98(W)×208(H)×43(66)(D) WDR-174DS : 91(W)×134(H)×22(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

Power source	DC 24V, 170mA
Mount type	Wall-mounted type
Wiring ports	Invisible 2 wires
Distance	1Km(0.65Ø)
Dimension(mm)	116(W)×208(H)×43(65)(D)

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

Power source	DC 24V, 120mA
Mount type	Wall-mounted type
Wiring ports	Common 10wires
Distance	1Km(0.65Ø)
Dimension(mm)	116(W)×208(H)×43(65)(D)

INTERPHONE

TP-1L



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

Power source	AA size 1.5V battery 4ea
Mount type	Wall-mounted type
Wiring ports	Invisible 2 wires
Distance	100m(0.65Ø)
Dimension(mm)	98(W)×208(H)×42.7(D)

INTERPHONE

TP-S



- Calling to TP-12RM
- Talking to TP-12RM

Power source	DC 24V (form TP-12RM)
Mount type	Wall-mounted type
Wiring ports	Call : 2 wires
Distance	100m(0.65Ø) 150m(0.8Ø)
Dimension(mm)	72(W)×215(H)×38(D)

INTERCOM

CM-801/800



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

Power source	DC 12V, 200mA
Consumption	Standby : 7mA Max : 160 mA
Operation temp.	0°C~+40°C
Wiring ports	2 wires
Distance	300m(0.65Ø)
Dimension(mm)	183(W)×169(H)×41(D)

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

Power source	DC 12V, 200mA
Consumption	Standby : 60mA Max : 370mA
Operation temp.	0°C~+40°C
Wiring ports	2 wires
Distance	300m(0.65Ø)
Dimension(mm)	183(W)×169(H)×41(D)

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

Power source	DC 12V, 1A
Consumption	Standby : 50mA Max : 100mA
Operation temp.	0°C~+40°C
Wiring ports	10 wires + n
Distance	200m(0.65Ø)
Dimension(mm)	183(W)×169(H)×41(D)

WIRELESS INTERCOM

WI-3SN



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

Power source	AC 100/120/220/230/ 240V, 50/60Hz
Wiring ports	Wireless
Dimension(mm)	186(W)×133(H)×44(D)

WIRELESS INTERCOM

WI-2B



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

Power source	AC 100/120/220/230/ 240V, 50/60Hz
Wiring ports	Wireless
Dimension(mm)	143(W)×141(H)×47(D)

POWER INTERCOM

PI-30LN/20LN/10LN



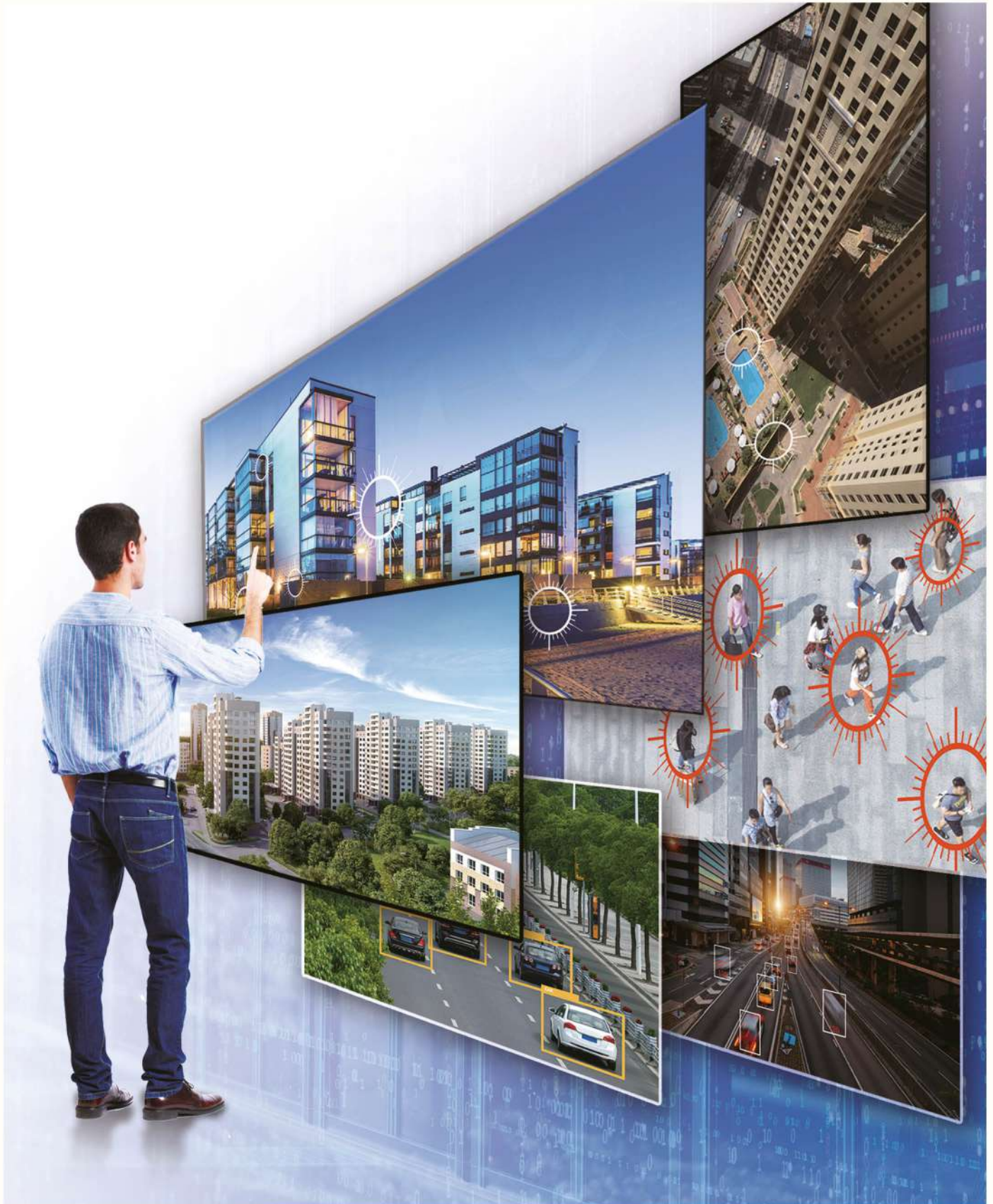
- System capacity: Max 30
- Group paging & whole paging and communicating
- Receiving Lamp(flicker)
- Control speaker volume and beep sound

Power source	AC 100/120/220/230/ 240V, 50/60Hz
Wiring ports	2 wires(STAR)
Distance	2Km(0.65Ø)
Dimension(mm)	313(W)×228(H)×98(D)

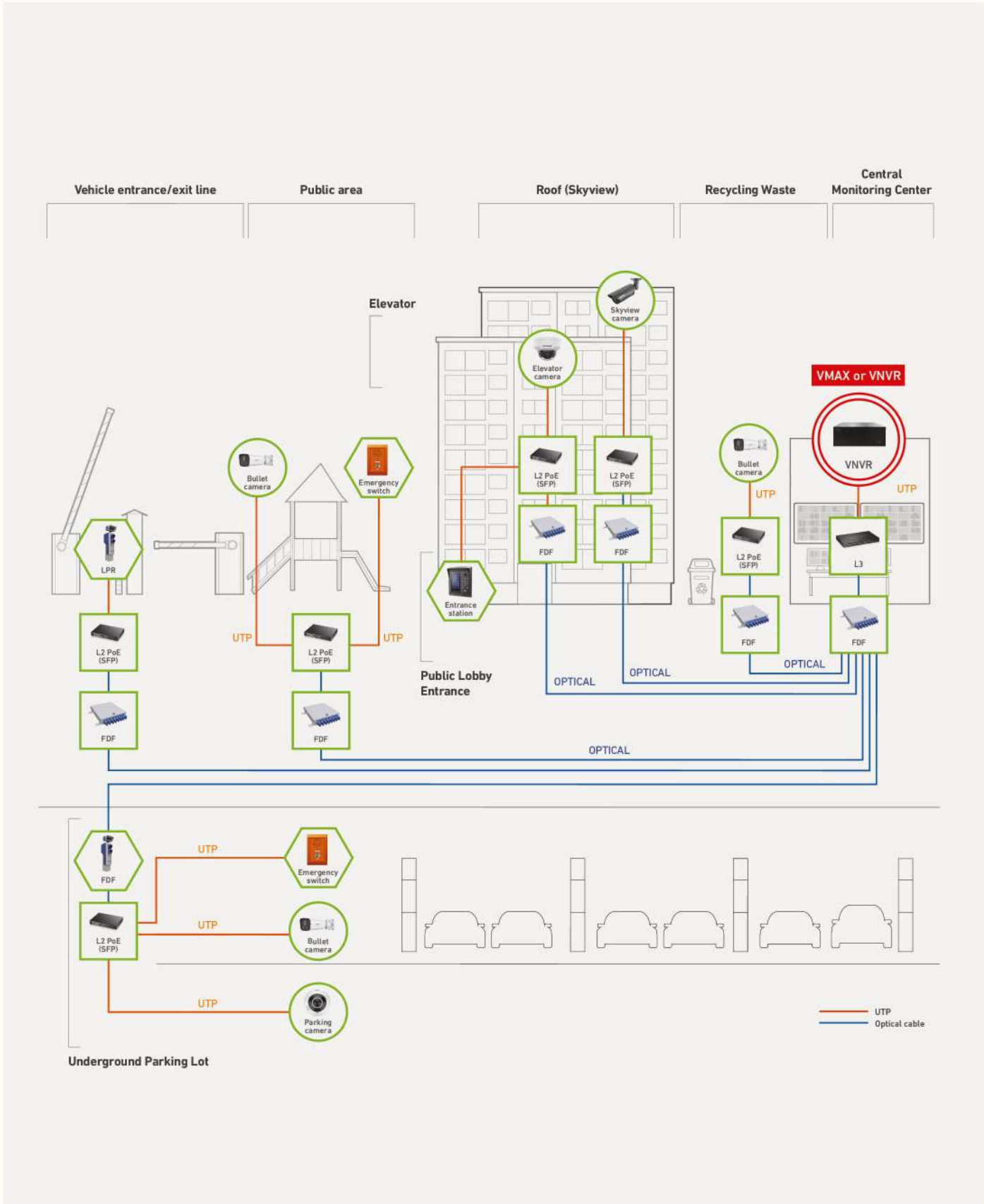
CCTV SYSTEM

COMMAX CCTV system, which provides perfect security, safety, and intelligent management of premium apartments with INTELLIGENT SYSTEM,

provides the best image quality, reliable quality, and fast after-sales service.



VMAX (Intelligent Premium Apartment Integrated Security System)



VNVR (Video Analytical NVR)

128/72/64/49/32/16Ch Intelligent video recording & Storage device

THE MOST ADVANCED INTELLIGENT VIDEO ANALYSIS (Based on Deep Learning)

Time compression function, Conditional analysis function, Intelligent video monitoring

COMMAX'S VNVR SERIES PROVIDES THE MOST ADVANCED INTELLIGENT VIDEO ANALYSIS.



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

USER CONVENIENCE

Easy screen layout change, various events display

COMMAX'S VNVR SERIES IS A VMS-TYPE SCREEN CONFIGURATION THAT CAN BE DIVIDED INTO 64/58/42 SPLIT SCREENS AS DESIRED BY THE USER, AND CAN DISPLAY VARIOUS INFORMATION ALONG WITH THE VIDEO.



EASY SCREEN LAYOUT CHANGE

Easy configure the screen as desired by the user, not the existing standardized split screen



VARIOUS EVENTS DISPLAY

By configuring an information channel in addition to a video channel on the control screen, information such as vehicle access, system information, and other interlocking device status can be displayed.

VNVR (Video Analytical NVR)

128/72/64/49/32/16Ch Intelligent video recording & Storage device

INTELLIGENT ANALYSIS FUNCTION USING GENERAL CAMERA

Vehicle number tracking, Fire detection function, Line crossing

YOU CAN FREELY USE THE VIDEO ANALYSIS FUNCTION BY USING A CONVENTIONAL CAMERA, NOT AN INTELLIGENT CAMERA.



VEHICLE NUMBER TRACKING

Recognizes the vehicle number in the recorded image and enables search and vehicle tracking (8-digit recognition of new license plates possible, eg: 123 Street 1234)



FIRE DETECTION FUNCTION

Automatically detects flames or smoke in the video, highlights it on the monitoring screen, and notifies the administrator



LINE CROSSING

Set up a virtual line on the camera screen and highlight the screen and notify the administrator if the line is breached

64CH VIDEO MANAGEMENT SYSTEM

VNVR

NEW



PRODUCT FUNCTION & SERVICE

- Support up to 12 megapixel resolution
- Up to 64 channels of real time recording
- Fisheye Dewarping Mode Support
- 8 HDD slots available (support up to 96TB)
- H.265 & H.264 Codec Supported
- Supports two RJ-45 10/100 / 1000M network interfaces
- HDMI x 2 and VGA simultaneous output support (Triple display support)
- Built-in intelligent features (meta data analysis)
- Search for moving objects by setting a zone in the recorded video.
- Search by classifying people and vehicles in the recorded video
- Search color classification of vehicle in recorded video
- Abnormal sound detection function of elevator camera (guard room pop-up)
- Interactive 3D maps available

PC based NVR that compresses important functions among VMAX functions

PRODUCT SPECIFICATION

Processor	Intel® Xeon® Processor E3-1225 v5, 3.30 GHz
Operating system	Windows 10 (64bit)
System disk	mSATA 64GB
SATA	8 SATA interfaces (up to 12TB for each HDD)
Display	1 × VGA interface 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
Live display resolution	12MP/8MP/6MP/5MP/4MP/3MP/1080p/960p/720p/D1/2CIF/CIF
Smart function	Line Crossing, Motion in the zone, Loitering Detection, Object Change, Audio Detection, Defocus Detection, Motion Detection, Face Detection, Scene Change Detection, Quality Degradation Detection, Auto Tracking, Smoke and Fire Detection, Image Dewarping, Face Masking, People Counting, Tag&Trac (Optional)
Smart search	MomentQuest, TimeCompressor, FaceSearch, License Plate Recognition (LPR) Search
Protocol	TCP/IP, UDP, DNS, DDNS, HTTP, NTP, RTP/RTCP, RTSP
Input Voltage	AC 100 ~ 240V, 50 to 60Hz
Dimension / Weight	445 × 470 × 90 mm / ≤ 8Kg (without HDD)

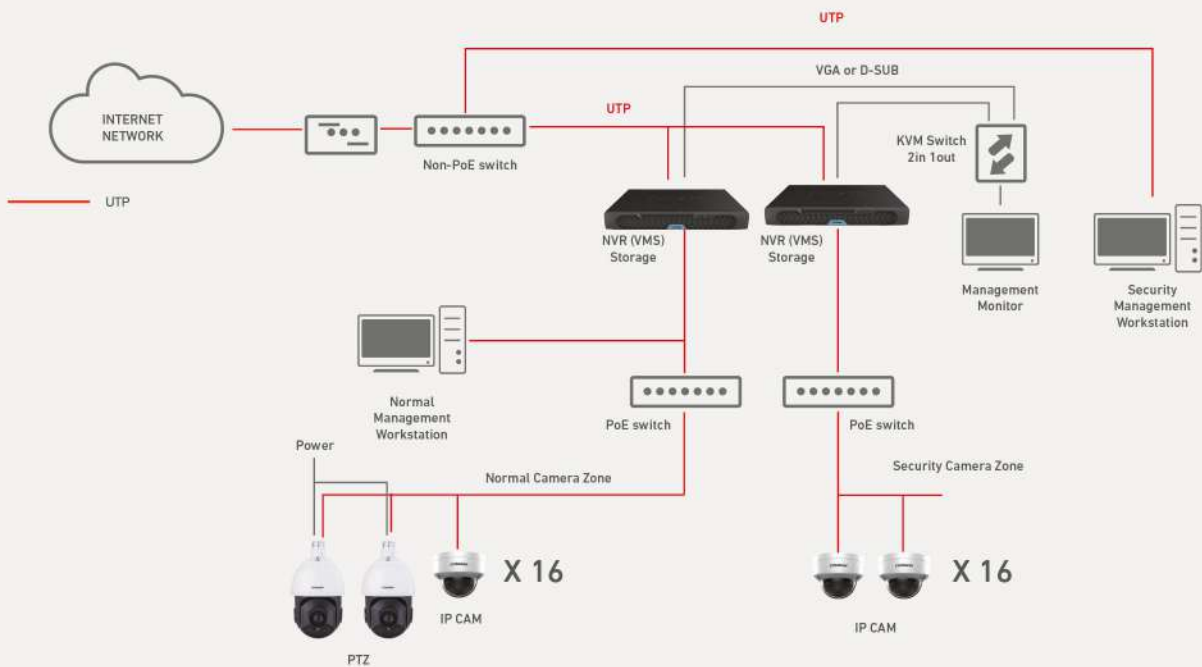
IP CCTV

COMMAX offers a wide range of IP CCTV systems to meet the customer requirements.



FIELD OF IP CCTV APPLICATION

- Residential complex
- Building
- Shopping mall
- Hotel
- Hospital
- Factory
- Smart city
- Border boundary system



64CH 4K NETWORK VIDEO RECORDER

CVN-6430UE

NEW



- Up to 12Megapixels resolution recording
- Support RAID 0, 1, 5, 6, 10 / Support N+1 Hot spare
- 8 SATA HDDs, up to 10TB for each HDD
- 128 remote User Support, Alarm I / O : 16/4, 1-channel Audio I / O
- Fisheye dewarping mode Support

Video Input	64CH (Max. 320Mbps)
Video Output	64CH (Max. 320Mbps), HDMI1/VGA : Max 1920x1080, HDMI2 : Max 3840x2160
Live Display Resolution	12MP/8MP/6MP/5MP/4MP/3MP/1080p/960p/720p/ D1/2CIF/CIF
Network Interface	2 x RJ45, 10/100/1,000 Base-T
Remote	128
Compression	H.265 / H.264
Frame rate	3 x 12MP@25, 4 x 4K, 8 x 4MP, 16 x 1080P, 32 x 960P@25
Power	DC 52V / Max. 8W (without HDD)
Dimension / Weight	442 x 425 x 86 mm / 5.13Kg (without HDD)

16CH 4K NETWORK VIDEO RECORDER

CVN-1630UE

NEW



- 4K resolution support
- 2 SATA HDDs, up to 10TB for each HDD
- 16 independent PoE network interfaces
- HDMI & VGA Video simultaneous output
- 2 x USB2.0 & Alarm I / O : 4 / 1 & 1-channel Audio I / O
- Built-in intelligence function

Video Input	16CH (Max. 112Mbps)
Video Output	16CH (Max. 96Mbps), HDMI (Max 3840x2160), VGA (Max 1920x1080)
Live Display Resolution	8MP/6MP/5MP/4MP/3MP/1080p/960p/720p/D1/2CIF/ CIF
Network Interface	16 x RJ45 (Max. 240W Total)
Remote	128
Compression	H.265 / H.264
Frame rate	1 x 4K@30, 2 x 4MP@30, 4 x 1080P@30, 8 x 720P@30, 16 x D1
Power	AC 220V / Max. 9W (without HDD)
Dimension / Weight	380 x 315 x 49.1 mm / 2.4kg (without HDD)

32CH 4K NETWORK VIDEO RECORDER

CVN-3230UE

NEW



- Up to 12Megapixels resolution recording
- Support RAID 0, 1, 5, 6, 10 / Support N+1 Hot spare
- 8 SATA HDDs, up to 10TB for each HDD
- 28 remote User Support / HDMI1 /VGA, HDMI2
- Front : 2 x USB2.0, Rear : 1 x USB3.0, Alarm I / O : 16/4, 1-channel Audio I / O
- Fisheye dewarping mode Support

Video Input	32CH (Max. 320Mbps)
Video Output	32CH (Max. 320Mbps), HDMI1/VGA : Max 1920x1080, HDMI2 : Max 3840x2160
Live Display Resolution	12MP/8MP/6MP/5MP/4MP/3MP/1080p/960p/720p/ D1/2CIF/CIF
Network Interface	2 x RJ45, 10/100/1,000 Base-T
Remote	128
Compression	H.265 / H.264
Frame rate	3 x 12MP@25, 4 x 4K, 8 x 4MP, 16 x 1080P, 32 x 960P@25
Power	DC 52V / Max. 8W (without HDD)
Dimension / Weight	442 x 425 x 86 mm / 5.13Kg (without HDD)

8CH 4K NETWORK VIDEO RECORDER

CVN-0830UE

NEW



- Up to 8Megapixels resolution recording
- 1 SATA HDD, up to 8TB
- 8 independent PoE network interfaces
- HDMI & VGA Video simultaneous output
- 2 x USB2.0 & 1-channel Audio I / O
- Built-in intelligence function

Video Input	8CH (Max. 60Mbps)
Video Output	8CH (Max. 64Mbps), HDMI (Max 3840x2160), VGA (Max 1920x1080)
Live Display Resolution	8MP/6MP/5MP/4MP/3MP/1080p/960p/720p/D1/2CIF/ CIF
Network Interface	8 x RJ45 (Max. 108W Total)
Remote	128
Compression	H.265 / H.264
Frame rate	1 x 4K@30, 2 x 4MP@30, 4 x 1080P@30, 8 x 720P@30, 16 x D1
Power	DC 52V / Max. 8W (without HDD)
Dimension / Weight	270 x 205 x 42 mm / 680g (without HDD)

4CH 4K NETWORK VIDEO RECORDER

CVN-0430UE

NEW



- Up to 8Megapixels resolution recording
- 1 SATA HDD, up to 8TB
- 4 independent PoE network interfaces
- HDMI & VGA Video simultaneous output
- 2 x USB2.0 & 1-channel Audio I / O
- Built-in intelligence function

Video Input	4CH (Max. 40Mbps)
Video Output	4CH (Max. 64Mbps), HDMI (Max 3840x2160), VGA (Max 1920x1080)
Live Display Resolution	8MP/6MP/5MP/4MP/3MP/1080p/960p/720p/D1/2CIF/CIF
Network Interface	4 x RJ45 (Max. 54W Total)
Remote	128
Compression	H.265 / H.264
Frame rate	1 x 4K@30, 2 x 4MP@30, 4 x 1080P@30, 8 x 720P@30, 16 x D1
Power	DC 48V / Max. 8W (without HDD)
Dimension / Weight	205 x 205 x 42 mm / 590g (without HDD)

8MP NETWORK MOTORIZED IR CAMERA

CNU-808R

NEW

A.I

A.I

4K

4K



- 1/2" Progressive Scan 8MP CMOS Image Sensor
- 2.8~12mm AF Motorized Lens
- Max. 3840x2160@ 15fps, 2592x1944@ 30fps resolution support
- Third streams
- Smart IR UP to 50m
- IP67

Image sensor	1/2" Progressive Scan CMOS
Min. illumination	Color:0.003Lux@(F1.5,AGC ON); B/W:0Lux@(IR LED ON)
WDR	120dB
Angle of View	114.8°~47.3°(H), 75.3°~20.4° (V), 141.2°~55.8°(O)
Video Compression	H.265, H.264, MJPEG
Max. Resolution	3840x2160 / 15fps
Power	DC12V±25%, PoE (IEEE802.3 at) (Max. 10W)
Ingress Protection	IP67
Dimension / Weight	253.4(L) x 86.4(W) x 78.7(H) mm / 1.0 Kg

12MP NETWORK FISHEYE IR CAMERA

CNR-901R

NEW

A.I

A.I

12MP

12mega pixel



Fish Eye



- 1/1.7" Progressive scan 12MP CMOS Image Sensor
- 1.8mm @ F2.4 Fixed Lens
- Max. 4,000x3,000@ 15fps, 2560x2560@ 25fps resolution support
- Third Party Streams
- Smart IR UP to 10m
- IP66, IK10

Image sensor	1/1.7" Progressive Scan CMOS
Min. illumination	Color:0.05Lux@(F2.4,AGC ON); B/W:0Lux@(IR LED ON)
WDR	DWDR
Angle of View	176.8°(H), 96°(V), 229.8°(O)
Video Compression	H.265, H.264, MJPEG
Max. Resolution	4,000x3,000 / 15fps
Power	DC12V±25%, PoE (IEEE802.3 at) (Max. 21W)
Ingress Protection	IP66, IK10
Dimension / Weight	Ø149 mm x 55 mm / 500 g

5MP IP NIGHT SHOOTER IR CAMERA

CNV-501RL

NEW

A.I

A.I



Night shooter



- 1/2.7" Progressive scan 5MP CMOS Image Sensor
- 2.8mm @ F1.6 Fixed Lens / Starlight illumination
- Max. 2592x1944@ 20fps, 2560x1440@ 30fps resolution support
- Third streams
- Smart IR UP to 30m
- IP67, IK10

Image sensor	1/2.7" Progressive Scan CMOS
Min. illumination	Color:0.005Lux@(F1.6,AGC ON); B/W:0Lux@(IR LED ON)
WDR	120dB
Angle of View	105.3°(H), 69.5°(V), 136.8°(O)
Video Compression	H.265, H.264, MJPEG
Max. Resolution	2592x1944 / 20fps
Power	DC12V±25%, PoE (IEEE802.3 at) (Max. 5.0W)
Ingress Protection	IP67, IK10
Dimension / Weight	Ø108.5 x 81 mm (450g)

5MP IP NIGHT SHOOTER IR CAMERA

CNU-502RL

NEW

A.I

Night shooter



- 1/2.7" Progressive scan 5MP CMOS Image Sensor
- 4.0mm @ F1.6 Fixed Lens / Starlight illumination
- Max. 2592x1944@ 20fps, 2560x1440@ 30fps resolution support
- Third streams
- Smart IR UP to 30m
- IP67

Image sensor	1/2.7" Progressive Scan CMOS
Min. illumination	Color:0.005Lux@(F1.6,AGC ON);B/W:0Lux@(IR LED ON)
WDR	120dB
Angle of View	79.7°(H), 51.8°(V), 98.1°(O)
Video Compression	H.265, H.264, MJPEG
Max. Resolution	2592x1944 / 20fps
Power	DC12V±25%, PoE (IEEE802.3 at) (Max 6.0W)
Ingress Protection	IP67
Dimension / Weight	157.3(L) x 62.4(W) x 63(H) mm / 450 g

5MP IP NIGHT SHOOTER IR CAMERA

CNU-508RL

NEW

A.I

Night shooter



- 1/2.7" Progressive scan 5MP CMOS Image Sensor
- 2.7~13.5mm AF Motorized Lens / Starlight illumination
- Max. 2592x1944@ 20fps, 2560x1440@ 30fps resolution support
- Third streams
- Smart IR UP to 50m
- IP67

Image sensor	1/2.7" Progressive Scan CMOS
Min. illumination	Color:0.002Lux@(F1.2,AGC ON);B/W:0Lux@(IR LED ON)
WDR	120dB
Angle of View	93.38°~28.56° (H), 88°~16.4° (V), 121.4°~33.7° (O)
Video Compression	H.265, H.264, MJPEG
Max. Resolution	2592x1944 / 20fps
Power	DC12V±25%, PoE (IEEE802.3 at) (Max 10W)
Ingress Protection	IP67
Dimension / Weight	253.4 x 86.4 x 78.7 mm / 1.0 Kg

2MP NETWORK IR FIXED CAMERA

CNV-201R

NEW



- 1/2.7" Progressive scan 2.0MP CMOS Image Sensor
- 2.8mm @F2.0 Fixed Lens
- Max. 1920x1080@30fps resolution support
- Triple streams
- Smart IR UP to 30m
- IP67, IK10

Image sensor	1/2.7" Progressive Scan CMOS
Min. illumination	Color:0.02Lux@(F2.0,AGC ON);B/W:0Lux@(IR LED ON)
WDR	DWDR
Angle of View	112.7°(H), 60.1°(V), 146.5°(O)
Video Compression	H.265 / H.264 / MJPEG
Max. Resolution	1920x1080 / 30fps
Power	DC12V±25%, PoE (IEEE802.3 at) (Max 4.5W)
Ingress Protection	IP67
Dimension / Weight	Ø109 x 81 mm / 370 g

2MP NETWORK IR FIXED CAMERA

CNU-202R

NEW



- 1/2.7" Progressive scan 2.0MP CMOS Image Sensor
- 4.0mm @F2.0 Fixed Lens / Optical glass with high light transmittance
- Max. 1920x1080@ 30fps resolution support
- Triple streams
- Smart IR UP to 30m
- IP67

Image sensor	1/2.7" Progressive Scan CMOS
Min. illumination	Color:0.02Lux@(F2.0,AGC ON);B/W:0Lux@(IR LED ON)
WDR	DWDR
Angle of View	112.7°(H), 60.1°(V), 146.5°(O)
Video Compression	H.265 / H.264 / MJPEG
Max. Resolution	1920x1080 / 30fps
Power	DC12V±25%, PoE (IEEE802.3 at) (Max 4.5W)
Ingress Protection	IP67
Dimension / Weight	167.3 x 62.9 x 62.7 mm / 370 g

2MP IP NIGHT SHOOTER VANDAL IR CAMERA CNV-201RL

NEW

A.I

A.I



Night shooter



- 1/2.8" Progressive scan 2.0MP CMOS Image Sensor
- 2.8mm @ F1.6 Fixed Lens / Starlight illumination
- Max. 1920x1080@ 30fps, resolution support
- Third streams
- Smart IR UP to 30m
- IP67, IK10

Image sensor	1/2.8" Progressive Scan CMOS
Min. illumination	Color:0.001Lux@(F1.6,AGC ON) ;B/W:0Lux@(IR LED ON)
WDR	120dB
Angle of View	107.8°(H), 56.7°(V), 140.2°(O)
Video Compression	H.265, H.264, MJPEG
Max. Resolution	1920x1080 / 30fps
Power	DC12V±25%, PoE (IEEE802.3 at) (Max 4.0W)
Ingress Protection	IP67 / IK10
Dimension / Weight	∅108.5 x 81 mm / 450 g

2MP IP SUPER NIGHT SHOOTER IR CAMERA CNU-208RX (MOTORIZED)

NEW

A.I

A.I



Super night shooter



- 1/2.8" Progressive scan 2.0MP CMOS Image Sensor
- 2.7~13.5mm AF Motorized Lens / Super Starlight illumination
- Max. 1920x1080@ 30fps resolution support
- Third streams
- Smart IR UP to 50m
- IP67

Image sensor	1/2.8" Progressive Scan CMOS
Min. illumination	Color:0.0005Lux@(F1.2,AGC ON) ;B/W:0Lux@(IR LED ON)
WDR	DWDR
Angle of View	176.8°(H), 96°(V), 229.8°(O)
Video Compression	H.265, H.264, MJPEG
Max. Resolution	4,000x3,000 / 15fps
Power	DC12V±25%, PoE (IEEE802.3 at) (Max. 21W)
Ingress Protection	IP66, IK10
Dimension / Weight	∅149 mm x 55 mm / 500 g

2MP IP SUPER NIGHT SHOOTER IR CAMERA CNU-202RX

NEW

A.I

A.I



Super night shooter



- 1/2.8" Progressive scan 2.0MP CMOS Image Sensor
- 4.0mm@F1.2 Fixed Lens / Super Starlight illumination
- Max. 1920x1080@ 30fps resolution support
- Third streams
- Smart IR UP to 50m
- IP67, IK10

Image sensor	1/2.8" Progressive Scan CMOS
Min. illumination	Color:0.0005Lux@(F1.2,AGC ON) ;B/W:0Lux@(IR LED ON)
WDR	120dB
Angle of View	78.7° (H), 42.8°(V), 96.8° (O)
Video Compression	H.265, H.264, MJPEG
Max. Resolution	1920x1080 / 30fps
Power	DC12V±25%, PoE (IEEE802.3 at) (Max 9W)
Ingress Protection	IP67 / IK10
Dimension / Weight	253.4 x 86 x 71.7 mm / 1.0 Kg

2MP IP NIGHT SHOOTER AF IR CAMERA CNU-210RL

NEW

A.I

A.I



Night shooter



P-iris



- 1/2.8" Progressive scan 2.0MP CMOS Image Sensor
- 4.7~47mm AF Motorized Lens / Starlight illumination
- Max. 1920x1080@30fps resolution support
- Third streams
- Smart IR UP to 100m
- IP67

Image sensor	1/2.8" Progressive Scan CMOS
Min. illumination	Color:0.001Lux@(F1.4,AGC ON) ;B/W:0Lux@(IR LED ON)
WDR	120dB
Angle of View	65°~9°(H), 36.9°~3.8°(V), 80°~10.6°(O)
Video Compression	H.265, H.264, MJPEG
Max. Resolution	1920x1080 / 30fps
Power	DC12V±25%, AC24V±25%, PoE (IEEE802.3 at) (Max. 13.7W)
Ingress Protection	IP67
Dimension / Weight	305.5 x 104.1 x 97.3 mm / 1.65 Kg

2MP IP IR CAMERA

CNV-2M03R



- 1/2.7" Progressive Scan CMOS Image Sensor
- 2.8mm Fixed Lens
- Max 1920x1080@30fps Resolution support
- Third streams
- Smart IR UP to 20m
- IP67

Image sensor	1/2.7" Progressive Scan CMOS
Min. illumination	Color:0.01Lux@(F1.2,AGC ON) ;B/W:0Lux@(IR LED ON)
WDR	<120dB
Angle of View	93.6°
Video Compression	H.265, H.264, MJPEG
Max. Resolution	1920x1080 / 30fps
Power	DC12V, PoE (Max 5W)
Ingress Protection	IP67
Dimension / Weight	Ø110mm × 82mm / 390 g

2MP IP IR CAMERA

CNU-2M04RN



- 1/2.7" Progressive Scan CMOS Image Sensor
- 3.6mm Fixed Lens
- Max 1920x1080@30fps Resolution support
- Third streams
- Smart IR UP to 30m
- IP67

Image sensor	1/2.7" Progressive Scan CMOS
Min. illumination	Color:0.01Lux@(F1.2,AGC ON) ;B/W:0Lux@(IR LED ON)
WDR	<120dB
Angle of View	93.6°
Video Compression	H.265, H.264, MJPEG
Max. Resolution	1920x1080 / 30fps
Power	DC12V, PoE (Max 4.5W)
Ingress Protection	IP67
Dimension / Weight	194.35mm x 63mm x 63mm / 500 g

2MP IP MOTORIZED IR CAMERA

CNV-2M4AR



- 1/2.8" Progressive Scan CMOS Image Sensor
- 2.7~12mm Motorized Lens
- Max 1920x1080@60fps Resolution support
- Third streams
- Smart IR UP to 30m
- IP67, IK10

Image sensor	1/2.8" Progressive Scan CMOS
Min. illumination	Color:0.001Lux@(F1.2,AGC ON) ;B/W:0Lux@(IR LED ON)
WDR	<120dB
Angle of View	105° ~ 32°
Video Compression	H.265, H.264, MJPEG
Max. Resolution	1920x1080 / 60fps
Power	DC12V, AC24V, PoE (Max 5W)
Ingress Protection	IP67, IK10
Dimension / Weight	Ø130mm × 112mm / 900 g

2MP NETWORK MOTORIZED IR CAMERA

CNU-2M4AR



- 1/2.8" Progressive Scan CMOS Image Sensor
- 2.7~12mm Motorized Lens
- Max 1920x1080@60fps Resolution support
- Third streams
- Smart IR UP to 30m
- IP67

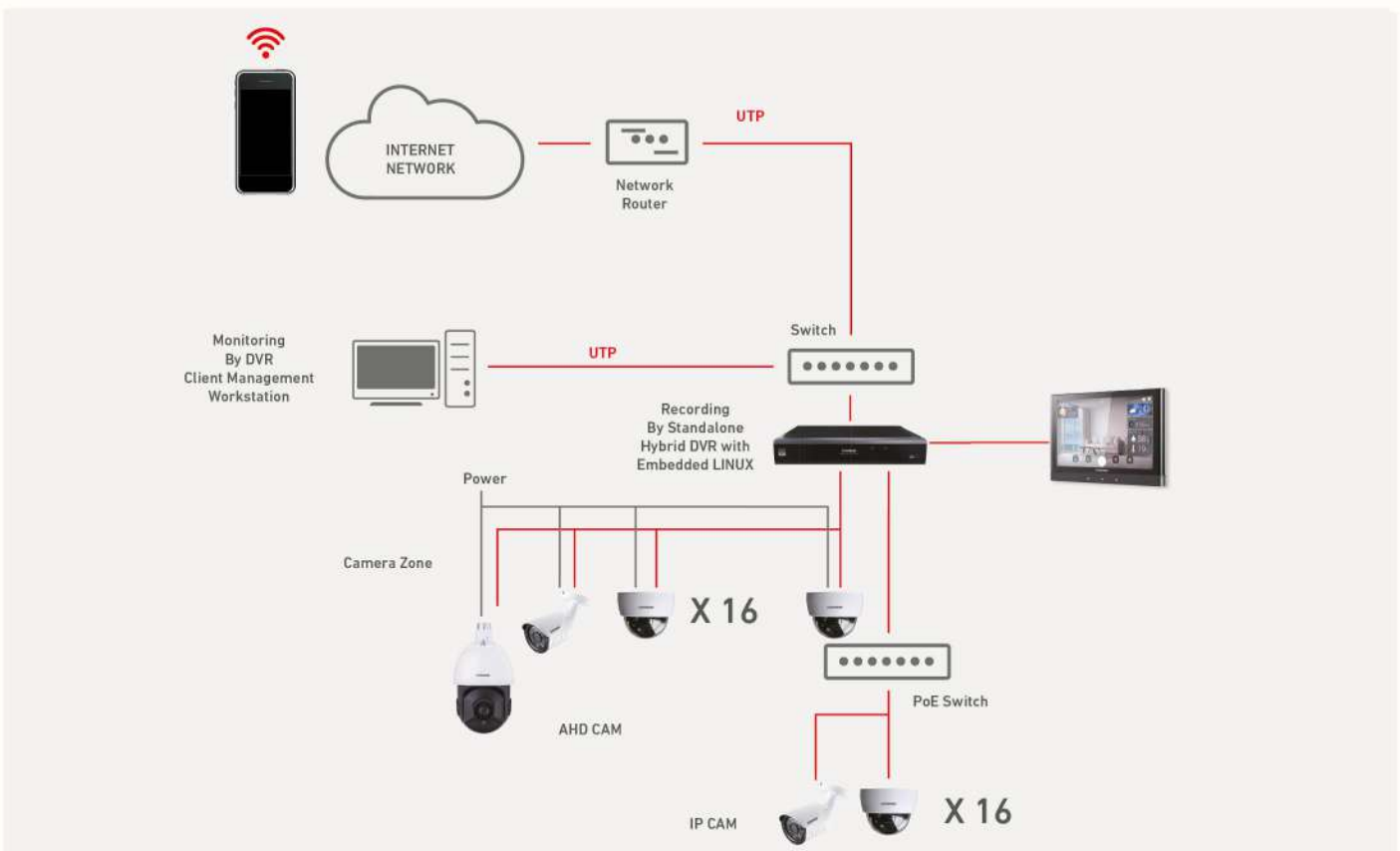
Image sensor	1/2.8" Progressive Scan CMOS
Min. illumination	Color:0.001Lux@(F1.2,AGC ON) ;B/W:0Lux@(IR LED ON)
WDR	<120dB
Angle of View	105° ~ 32°
Video Compression	H.265, H.264, MJPEG
Max. Resolution	1920x1080 / 60fps
Power	DC12V, AC24V, PoE (Max 8W)
Ingress Protection	IP67
Dimension / Weight	Ø80.3mm × 264.5mm / 830 g

AHD CCTV

COMMAX offers a wide range of proven AHD CCTV systems to meet customer needs and convenience in single or multi-family homes.



FIELD OF AHD CCTV APPLICATION



QHD HYBRID DIGITAL VIDEO RECORDER

CVD-AQ04SH/AQ08SH

NEW



Remote access



- 4ch/8ch AHD3.0 Hybrid DVR (IPC supported)
- Supports diverse video standards
AHD3.0/AHD2.0/AHD1.0/HD-TVI3.0/HD-CVI3.0/CVBS
- Camera menu control via coaxial cable (UTC function)
- Remote access through web browser, mobile and CDMS

MODEL	CVD-AQ04SH	CVD-AQ08SH
Video Input	4 BNC 1 IP	8 BNC, 2 IP
Video Output	VGA & HDMI (1080p)	VGA & HDMI (1080p, 4K)
Audio Input / Output	4 / 1	8 / 1
Audio Codec	G.711a	
Alarm Sensor Input / Alarm Output	4 / 1	8 / 1
RECORDING		
Video Compression	H.264	
Analog 5MP (2560x1944)	8 fps/ch	12 fps/ch
Analog 4MP (2592x1520)	15 fps/ch (AHD Only)	
Analog 3MP (2048x1536)	20 fps/ch	
Analog 1080P (1920x1080)	30(25) fps/ch	
Analog 720P (1280x720)	30(25) fps/ch	
Analog 960H (960x480)	30(25) fps/ch	
IP 4MP (2592x1520)	17 fps/ch	20 fps/ch
IP 1080P (1820x1080)	30(25) fps/ch	
IP 720P (1280x720)	30(25) fps/ch	
Recording Quality	Bitrate & FPS control	
Recording Mode	Continuous / Manual / Motion	
Search Mode	Event, Log, Date & Time	
Multi-Decoding	1, 4	1, 4, 8
Playback Speed	Max. x16 for forward playback	
BACKUP		
Media	USB drive, External HDD, Network	
Backup File Format	H.264, MP4, AVI	
STORAGE		
HDD	1 SATA HDD	
USB	USB 2.0 x 2	USB 3.0 x 1, USB 2.0 x 1
DVR CONTROL		
Control Method	Mouse, IR Controller	
CAMERA CONTROL		
UTC (Up-The-Coax)	4	8
RS-485	1	
NETWORK		
Interface	10/100 Base-T	
DDNS	Commax DDNS	
REMOTE ACCESS		
Mobile	iOS(iPad, iPhone) / Android	
Web Browser	Microsoft Internet Explorer, Firefox	
PC Client Connection	CDMS	
ENVIRONMENTAL & MECHANICAL		
Power Supply	DC 12V / 2A	
Operation temp. / Humidity	-10°C~+55°C / -10°C~+60°C 10%~90% RH (Non-condensing)	
Product Dimensions	3Kg	
Product Weight	300 x 53 x 227	

QHD HYBRID DIGITAL VIDEO RECORDER

CVD-AQ16SH

NEW



Remote access



- 16ch AHD3.0 Hybrid DVR (IPC supported)
- Supports diverse video standards
AHD3.0/AHD2.0/AHD1.0/HD-TVI3.0/HD-CVI3.0/CVBS
- Camera menu control via coaxial cable (UTC function)
- Remote access through web browser, mobile and CDMS

MODEL	CVD-AQ16SH
Video Input	16 BNC, 4 IP
Video Output	VGA & HDMI(1080p, 4K)
Audio Input / Output	16 / 1
Audio Codec	G.711a
Alarm Sensor Input / Alarm Output	16 / 1
RECORDING	
Video Compression	H.264
Analog 5MP (2560x1944)	11 fps/ch
Analog 4MP (2592x1520)	15 fps/ch (AHD Only)
Analog 3MP (2048x1536)	20 fps/ch
Analog 1080P (1920x1080)	30(25) fps/ch
Analog 720P (1280x720)	30(25) fps/ch
Analog 960H (960x480)	30(25) fps/ch
IP 4MP (2592x1520)	20 fps/ch
IP 1080P (1820x1080)	30(25) fps/ch
IP 720P (1280x720)	30(25) fps/ch
Recording Quality	Bitrate & FPS control
Recording Mode	Continuous / Manual / Motion
Search Mode	Event, Log, Date & Time
Multi-Decoding	1, 4, 9, 16
Playback Speed	Max. x16 for forward playback
BACKUP	
Media	USB drive, External HDD, Network
Backup File Format	H.264, MP4, AVI
STORAGE	
HDD	1 SATA HDD
USB	USB 3.0 x 1, USB 2.0 x 1
DVR CONTROL	
Control Method	Mouse, IR Controller
CAMERA CONTROL	
UTC (Up-The-Coax)	16
RS-485	1
NETWORK	
Interface	10/100 Base-T
DDNS	Commax DDNS
REMOTE ACCESS	
Mobile	iOS(iPad, iPhone) / Android
Web Browser	Microsoft Internet Explorer, Firefox
PC Client Connection	CDMS
ENVIRONMENTAL & MECHANICAL	
Power Supply	DC 12V / 2A
Operation temp. / Humidity	-10°C~+55°C / -10°C~+60°C 10%~90% RH (Non-condensing)
Product Dimensions	4.5Kg
Product Weight	378 x 340 x 50

GATEVIEW PLUS DIGITAL VIDEO RECORDER

CVD-AF04SH PLUS



Remote access



- 4ch AHD3.0 / TVI3.0(TP2826) Hybrid DVR
- CVBS for Commax Video Door Phone (Gateview+)
- Camera menu control via coaxial cable (UTC function)
- Remote access through web browser, mobile and CDMS

VIDEO	
Video Input	4 BNC
Video Output	HDMI(1080p), VGA, CVBS
Audio Input / Output	4 / 1
Audio Codec	G.711a
ALARM	
Sensor Input / Alarm Output	4 / 1
RECORDING	
Video Compression	H.264
AHD/TVI3.0 (2048x1536) Video	9 fps/ch
AHD/TVI/CVI2.0 (1920x1080) Video	15 fps/ch
AHD/TVI/CVI1.0 (1280x720) Video	30(25) fps/ch
Analog (NTSC/PAL) Video	30(25) fps/ch
Recording Quality	Bitrate & FPS control
Recording Mode	Continuous/ Manual/ Motion
PLAYBACK	
Search Mode	Event, Log, Date & Time
Multi-Decoding	1, 4
Playback Speed	Max. x16 for forward playback
BACKUP	
Media	USB drive, External HDD, Network
Backup File Format	H.264, MP4, AVI
STORAGE	
HDD	1 SATA HDD Slot
USB	USB 2.0 x 2
DVR CONTROL	
Control Method	Mouse, IR Controller
CAMERA CONTROL	
UTC (Up-The-Coax)	4
RS-485	1
NETWORK	
Interface	10/100 Base-T
Dynamic DNS	Commax DDNS
REMOTE ACCESS	
Mobile	iOS(iPad, iPhone) / Android
Web Viewer	Microsoft Internet Explorer, Firefox, Chrome
PC Client Connection	CDMS
ENVIRONMENTAL & MECHANICAL	
Power Supply	DC12V / 2A
Operation Temp. / Humidity	-10°C ~ +55°C / -10°C ~ +60°C 10% ~ 90%RH (Non-condensing)
Product Dimensions	3kg
Product Weight	300 x 227 x 53

HYBRID DIGITAL VIDEO RECORDER

CVD-AF04SH/AF08SH/AF16SH



Remote access



- 4ch/8ch/16ch AHD3.0 Hybrid DVR
- Camera menu control via coaxial cable (UTC function)
- Supports diverse video standards
AHD3.0/AHD2.0/AHD1.0/ HD-TVI2.0/HD-CVI2.0/CVBS
- Remote access through web browser, mobile and CDMS

MODEL	CVD-AF04SH	CVD-AF08SH	CVD-AF16SH
VIDEO			
Video Input	4 BNC	8 BNC	16 BNC
Video Output	VGA & HDMI (1080p)		VGA & HDMI (1080p, 4K)
Audio Input / Output	4 / 1	8 / 1	16 / 1
Audio Codec	G.711a		
ALARM			
Sensor Input / Alarm Output	4 / 1	8 / 1	16 / 1
RECORDING			
Video Compression	H.264		
AHD3.0 (2048x1536) Video	9 fps/ch	7 fps/ch	12 fps/ch
AHD2.0 (1920x1080) Video	15 fps/ch		
AHD1.0 (1280x720) Video	30(25) fps/ch		
Analog (NTSC/PAL) Video	30(25) fps/ch		
Recording Quality	Bitrate & FPS control		
Recording Mode	Continuous / Manual / Motion		
PLAYBACK			
Search Mode	Event, Log, Date & Time		
Multi-Decoding	1, 4	1, 4, 8	1, 4, 9, 16
Playback Speed	Max. x16 for forward playback		
BACKUP			
Media	USB drive, External HDD, Network		
Backup File Format	H.264, MP4, AVI		
STORAGE			
HDD	1 SATA HDD	2 SATA HDD	
USB	USB 2.0 x 2		
DVR CONTROL			
Control Method	Mouse, IR Controller		
CAMERA CONTROL			
UTC (Up-The-Coax)	4	8	16
RS-485	1		
NETWORK			
Interface	10/100 Base-T		
Dynamic DNS	Commax DDNS		
REMOTE ACCESS			
Mobile	iOS(iPad, iPhone) / Android		
Web Viewer	Microsoft Internet Explorer, Firefox		
PC Client Connection	CDMS		
ENVIRONMENTAL & PHYSICAL			
Power Supply	DC 12V, 2A		DC 12V, 5A
Operation Temp. / Humidity	-10°C~+55°C / -10°C~+60°C 10%~90% RH (Non-condensing)		
Product Dimensions	300x53x227		378x50x340
Product Weight	3kg		4.5kg

QHD IR CAMERA

CAD-4M04R24H

NEW



- 4 Megapixel IR Dome Camera
- 1 /2.7" CMOS Image Sensor
- 3.6 mm Fixed Lens
- 4.0Megapixel @ 2688 x 1520

Image Sensor	1 /2.7" CMOS Image Sensor
Min. Illumination	0.001Lux / F1.2, 0Lux IR on
Lens	3.6mm Fixed
Video Output	2560 x 1440
Backlight Compensation	Off / BLC / HSBLIC
Digital WDR	Auto / On / Off
Power supply/Consump.	DC 12V 1.5A / Max. 3.48W
IR Range/LEDs	20M (Ø5 x 24pcs)
Dimensions/Weight	Ø92.3mm x77.5mm / 350g

QHD IR CAMERA

CAU-4M04R2H

NEW



- 4 Megapixel IR Bullet Camera
- 1 /2.7" CMOS Image Sensor
- 3.6 mm Fixed Lens
- 4.0Megapixel @ 2688 x 1520

Image Sensor	1 /2.7" CMOS Image Sensor
Min. Illumination	0.001Lux / F1.2, 0Lux IR on
Lens	3.6mm Fixed
Video Output	2560 x 1440
Backlight Compensation	Off / BLC / HSBLIC
Digital WDR	Auto / On / Off
Power supply/Consump.	DC 12V 1.5A / Max. 4.08W
IR Range/LEDs	40M (2pcs Array IR Led)
Dimensions/Weight	174mm x 71 mm x 65mm / 500g

QHD IR CAMERA

CAU-4M04RH2H

NEW



- 4 Megapixel IR Housing Camera
- 1 /2.7" CMOS Image Sensor
- 3.6 mm Fixed Lens
- 4.0Megapixel @ 2688 x 1520

Image Sensor	1 /2.7" CMOS Image Sensor
Min. Illumination	0.001Lux / F1.2, 0Lux IR on
Lens	3.6mm Fixed
Video Output	2560 x 1440
Backlight Compensation	Off / BLC / HSBLIC
Digital WDR	Auto / On / Off
Power supply/Consump.	DC 12V 1.5A / Max. 5.64W
IR Range/LEDs	60M (2pcs LED)
Dimensions/Weight	342mm x 138mm x 100mm / 500g

FHD INDOOR IR CAMERA

CAD-2M04R24S



- 2Megapixel IR Dome Camera
- 1 / 3" Sony CMOS Image Sensor
- IR LED 24pcs • 3.6mm Fixed Lens • dWDR
- 2D/3D DNR • UTC Supported

Image Sensor	1 / 3" Sony CMOS Image Sensor
Min. Illumination	Color : 1.0 Lux, BW : 0.5 Lux Color DSS : 0.002 Lux, BW DSS : 0.0008 Lux
Lens	3.6mm Fixed
Video Output	1080P MAX.
Backlight Compensation	Off / BLC / HSBLIC
Digital WDR	Auto / On / Off
Power supply/Consump.	DC 12V 1.5a / Max. 5W
IR Range/LEDs	15M (Ø5 x 24pcs)
Dimensions/Weight	Ø110mm x 61mm / 170g

FHD INDOOR IR CAMERA

CAD-2M04R24SH



- 2Megapixel IR Dome Camera
- 1 / 2.7" CMOS Image Sensor
- 3.6mm Fixed Lens
- dWDR • 2D/3D DNR • UTC Supported
- IR LED 24pcs

Image Sensor	1/2.7" Aptina CMOS Sensor
Min. Illumination	Color : 3-5.5 Lux, BW : 0.8-2 Lux IR LED : 0.005Lux
Lens	3.6mm fixed
Video Output	1080P MAX.
Backlight Compensation	Off / BLC / HSBLC
Digital WDR	Auto / On / Off
Power supply/Consump.	DC 12V 1.5a / Max. 2.5W
IR Range/LEDs	20M (Ø5 x 24pcs)
Dimensions/Weight	Ø93mm x 78mm / 350g

FHD IR CAMERA

CAU-2M04R30S



- 2Megapixel IR Bullet Camera
- 1 / 3" Sony CMOS Image Sensor
- 3.6mm Fixed Lens
- dWDR • 2D/3D DNR • UTC Supported
- IR LED 30pcs

Image Sensor	1 / 3" Sony CMOS Image Sensor
Min. Illumination	Color : 1.0 Lux, BW : 0.5 Lux Color DSS : 0.002 Lux, BW DSS : 0.0008 Lux
Lens	3.6mm fixed
Video Output	1080P MAX.
Backlight Compensation	Off / BLC / HSBLC
Digital WDR	Auto / On / Off
Power supply/Consump.	DC 12V 1.5A / Max. 4.2W
IR Range/LEDs	15M (Ø5 x 24pcs)
Dimensions/Weight	201mm x 70mm x Ø68mm / 370g

FHD IR CAMERA

CAU-2M04R24SH



- 2Megapixel IR Bullet Camera
- 1 / 2.7" CMOS Image Sensor • 3.6mm Fixed Lens
- dWDR • 2D/3D DNR • UTC Supported
- IR LED 24pcs

Image Sensor	1/2.7" Aptina CMOS Sensor
Min. Illumination	Color : 3-5.5 Lux, BW : 0.8-2 Lux IR LED : 0.005Lux
Lens	3.6mm fixed
Video Output	1080P MAX.
Backlight Compensation	Off / BLC / HSBLC
Digital WDR	Auto / On / Off
Power supply/Consump.	DC 12V 1.5a / Max. 3W
IR Range/LEDs	20M (Ø5 x 24pcs)
Dimensions/Weight	150mm x 64mm x Ø61mm / 500g

FHD IR CAMERA

CAU-2M04RH36S



- 2Megapixel IR Housing Camera
- 1 / 3" CMOS Image Sensor
- 3.6mm Fixed Lens
- dWDR • 2D/3D DNR • UTC Supported
- IR LED 36pcs

Image Sensor	1 / 3" Sony CMOS Image Sensor
Min. Illumination	Color : 1.0 Lux, BW : 0.5 Lux Color DSS : 0.002 Lux, BW DSS : 0.0008 Lux
Lens	3.6mm fixed
Video Output	1080P MAX.
Backlight Compensation	Off / BLC / HSBLC
Digital WDR	Auto / On / Off
Power supply/Consump.	DC 12V 1.5A / Max. 8W
IR Range/LEDs	20M (Ø8 x 36pcs)
Dimensions/Weight	305mm x 150mm x 115mm / 770g

FHD HYBRID STARLIGHT IR CAMERA

CAD-2M04R24HL



- 2 Megapixel Analog Hybrid Starlight IR Dome Camera
- 1 /2.8" Sony STARVIS CMOS Image Sensor
- 3.6mm Fixed Lens • 30fps @ 1080p Full-HD
- IR LED 24pcs (Max. 15m) • IP65

Image Sensor	1 /2.8" Sony STARVIS CMOS Image Sensor
Min. Illumination	0Lux (IR LED ON)
Lens	3.6mm Fixed
Video Output	1080P MAX.
Backlight Compensation	Off / BLC / HSBC
Digital WDR	Auto / On / Off
Power supply/Consump.	DC 12V 1.5A / Max. 3.1W
IR Range/LEDs	15M (24pcs)
Dimensions/Weight	Ø93mm x 75mm / 330g

FHD HYBRID STARLIGHT IR CAMERA

CAU-2M04R36HL



- 2 Megapixel Analog Hybrid Starlight IR Bullet Camera
- 1 /2.8" Sony STARVIS CMOS Image Sensor
- 3.6mm Fixed Lens • 30fps @ 1080p Full-HD
- IR LED 36pcs (Max. 18m) • IP66

Image Sensor	1 /2.8" Sony STARVIS CMOS Image Sensor
Min. Illumination	0Lux (IR LED ON)
Lens	3.6mm Fixed
Video Output	1080P MAX.
Backlight Compensation	Off / BLC / HSBC
Digital WDR	Auto / On / Off
Power supply/Consump.	DC 12V 1.5A / Max. 4.8W
IR Range/LEDs	18M (36pcs)
Dimensions/Weight	166.5mm x 83.8mm x 69.4mm / 480g

FHD HYBRID STARLIGHT IR CAMERA

CAU-2M04R8HL



- 2 Megapixel Analog Hybrid Starlight IR Bullet Camera
- 1 /2.8" Sony STARVIS CMOS Image Sensor
- 3.6mm Fixed Lens • 30fps @ 1080p Full-HD
- IR LED 8pcs (Max. 30m)
- IP66

Image Sensor	1 /2.8" Sony STARVIS CMOS Image Sensor
Min. Illumination	0Lux (IR LED ON)
Lens	3.6mm Fixed
Video Output	1080P MAX.
Backlight Compensation	Off / BLC / HSBC
Digital WDR	Auto / On / Off
Power supply/Consump.	DC 12V 500mA / Max. 6.6W
IR Range/LEDs	30M (Super High Power IR LED 8pcs)
Dimensions/Weight	231mm x 84mm x 110mm / 720g

FHD HYBRID STARLIGHT IR MOTORIZED CAMERA

CAU-2M4AR8HL



- 2 Megapixel Analog AHD Starlight Auto Focus IR Bullet Camera
- 1 /2.8" Sony STARVIS CMOS Image Sensor
- IR LED 8pcs (Max. 30m)
- 2.8 - 12mm Auto Focus Lens
- 30fps @ 1080p Full-HD • IP66

Image Sensor	1 /2.8" Sony STARVIS CMOS Image Sensor
Min. Illumination	0Lux (IR LED ON)
Lens	2.8 - 12mm Auto Focus
Video Output	1080P MAX.
Backlight Compensation	Off / BLC / HSBC
Digital WDR	Auto / On / Off
Power supply/Consump.	DC 12V 600mA / Max. 7.2W
IR Range/LEDs	30M (Super High Power IR LED 8pcs)
Dimensions/Weight	231mm x 84mm x 110mm / 720g

SMART DOOR LOCK

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



BIO DOOR LOCK

CDL-88PBio



PRODUCT FEATURES

- Premium Push-Pull design
- 6 way access methods
(Face recognition, RF Card, Pin number, Fingerprint, Mechanical Key, Connected Monitor(option))
- Durable body using metallic material for protecting against high temp. and shock
- High temp. detection, alert and automatic unlocking
- Multi-layered authentication
(Pin number+RF Card / Pin number+Fingerprint)
- Automatic lock / Re-lock / Double lock functions
- Safe to use the pin number with dummy number
- Anti high-voltage / Fireproof / Anti-hacking system
- Connectivity with home network system using remote controller(option)
- Emergency power(9V square battery)

PRODUCT SPECIFICATION

Applicable	Normal fire door	Thickness 40mm ~ 80mm	
	Pin number (Face recognition unit)	6~8 digit number combination (Up to 100 pin number)	
	Access methods	Pin number (Number plate)	4~12 digit number combination (Up to 4 pin number)
		RF card	Up to 100 cards
		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	Remote module(CDL-447)		
Dimension(mm)	84(W)x454(H)x50(D)		

PREMIUM DOOR LOCK

CDL-88P

NEW



BROWN SILVER

BLACK SILVER BLACK GOLD

PRODUCT FEATURES

- Premium Push-Pull design
- 5 WAY Access methods (RF card, Pin number, Fingerprint, Mechanical key, Connected Monitor(option))
- Durable body using metallic material for protecting against high temp. and shock
- High temp. detection, alert and automatic unlocking
- Multi-layered authentication (Pin number+RF Card / Pin number+Fingerprint)
- Automatic lock / Re-lock / Double lock functions
- Safe to use the pin number with dummy number
- Anti high-voltage / Fireproof / Anti-hacking system
- Connectivity with home network system using remote controller(option)
- Emergency power(9V square battery)

PRODUCT SPECIFICATION

Applicable	Normal fire door	Thickness 40mm ~ 80mm
	Pin number	4~12 digit number combination (Up to 4 pin number)
Access methods	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)
Type of product	Fireproof type, Temperature sensor type, Key type, Master key door lock	
Temp. alarm	Temperature sensor 60 degree ± 10 degree	
Option	Remote module(CDL-447)	
Dimension(mm)	84(W)x454(H)x50(D)	

ROCK AND LOCK

CDL-800WL/100WL



PRODUCT FEATURES

- CDL-800WL : 2 way access methods(Pin number, Fingerprint)
- CDL-100WL : 2 way access methods(RF Card, Pin number)
- Durable body using metallic material for protecting against high temp. and shock
- High temp. detection, alert and automatic unlocking
- CDL-800WL: Multi-layered authentication(Pin number+Fingerprint)
- CDL-100WL: Multi-layered authentication(Pin number+RF Card)
- Automatic lock / Re-lock / Double lock functions
- Anti high-voltage / Anti-hacking system
- Emergency power(9V square battery + Micro USB 5pin)

PRODUCT SPECIFICATION

Applicable	Indoor door	Thickness 35mm ~ 50mm
Access methods	Pin number	4~12 digit number combination (Up to 4 pin number)
	Fingerprint(CDL-800WL)	Up to 100 Fingerprints
	RF card(CDL-100WL)	Up to 30 cards
Power source	DC 6V	Alkaline AA battery, 4pcs(LR6 1.5V AA size)
Emergency	DC 9V	Alkaline battery(optional) Micro USB 5pin
Type of product	Temperature sensor type	
Temp. alarm	Temperature sensor	60 degree ± 10 degree (Normal test)
Option	CDL-800WL : Remote module(CDL-800WLC)	
	CDL-100WL : Remote module(CDL-100WLC)	
Dimension(mm)	95(W)x95(H)x71(D)	

SMART DOOR LOCK

CDL-107U



PRODUCT FEATURES

- 4 way door opening(easy opening with smartphone)
- Send a mobile key to a visitor's mobile that is valid only at certain times on specific dates
- Open / close the door outside the home through Z-Wave Hub (Z-Wave is for Americas only)
- Real-time alerts let you check your family's home
- Battery replacement notice
- Dual security with imaginary number function
- High temp. sensor function • Etiquette mode (sound setting function)
- External power supply for battery discharge

PRODUCT SPECIFICATION

Applicable	Indoor door	Thickness 35mm ~ 50mm
Access methods	Pin number	4~10 digit number combination
	RF card	Up to 30 cards
	BLE	Smartphone
	Mechanical key	Individual mechanical lock
Power source	DC 6V	Alkaline AA battery, 4pcs(LR6 1.5V AA size)
Emergency	DC 9V	Alkaline battery (Optional)
Type of product	Temperature sensor type	
Temp. alarm	Temperature sensor	60 degree ± 10 degree (Normal test)
Dimension(mm)	85(W)x175(H)x30(D)	

SMART DOOR LOCK

CDL-220PB



reddot award 2017
winner



Connect a
smartphone



BLE



PRODUCT FEATURES

- 4 way access methods(RF Card, Pin number, Mechanical Key, BLE)
- Durable body for protecting against high temp. and shock
- High temp. detection, alert and automatic unlocking
- Multi-layered authentication(Pin number/RF Card)
- Automatic lock / Re-lock / Double lock functions
- Safe to use the pin number with dummy number
- Anti high-voltage / Fireproof / Anti-hacking system
- Connectivity with home network system using remote controller(option)
- Emergency power(9V square battery)

PRODUCT SPECIFICATION

Applicable	Normal fire door	Thickness 40mm ~ 60mm
	Pin number	4~12 digit number combination (Up to 4 pin number)
Access methods	RF card	Up to 30 cards
	BLE	Smartphone
	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	Temp. sensor	60 degree ± 10 degree
Dimension(mm)	80(W)x382(H)x71(D)	

* To properly install and use the APP please check the website or catalog.

SMART DOOR LOCK

CDL-200P/210P



reddot award 2017
winner



CDL-200P

CDL-210P

PRODUCT FEATURES

- 3(4) way access methods
(RF card, Pin number, Mechanical key, Fingerprint(CDL-210P))
- Durable body using metallic material for protecting against high temp. and shock
- High temp. detection, alert and automatic unlocking
- Automatic lock / Re-lock / Double lock functions
- Safe to use the pin number with dummy number
- Anti high-voltage / Fireproof / Anti-hacking system
- Connectivity with home network system using remote controller(option)
- Emergency power(9V square battery)

PRODUCT SPECIFICATION

Applicable	Normal fire door	Thickness 40mm ~ 60mm
	Pin number	4~12 digit number combination (Up to 4 pin number)
Access methods (3WAY : CDL-200P 4WAY : CDL-210P)	RF card	Up to 30 cards
	Mechanical key	Individual mechanical lock (Key type only)
	Fingerprint	Up to 100 Fingerprints(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 door lock	
Temp. alarm	Temp. sensor	60 degree ± 10 degree
Option	Remote module(CDL-447)	
Dimension(mm)	80(W)x382(H)x71(D)	

WIRELESS DOOR LOCK

CDL-200L/210L



PRODUCT FEATURES

- 3(4) WAY ACCESS methods
(RF Card, Pin number, Mechanical Key, Fingerprint(CDL-210L))
- Automatic lock / Re-lock / Double lock functions
- Safe to use the pin number with dummy number
- Connectivity with home network system using remote controller(option)
- Emergency power(9V square battery)

PRODUCT SPECIFICATION

Applicable	Normal fire door	Thickness 40mm ~ 60mm
Access methods (3WAY : CDL-200L 4WAY : CDL-210L)	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	Temp. sensor	60 degree ± 10 degree
Option	Remote module(CDL-447)	
Dimension(mm)	77(W)x302(H)x71(D)	

SMART DOOR LOCK

CDL-400M/410M/400MC/410MC



- 2 way access methods (RF Card, Pin number)
- Automatic lock / Re-lock / Double lock • Emergency power(9V square battery)
- Safe to use the pin number with dummy number
- Multi-registrations for pin-number & electronic key
- Home networking of remote controller(CDL-400MC/CDL-410MC)

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
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	Temp. sensor	60 degree ± 10 degree
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(5V Mirco USB)

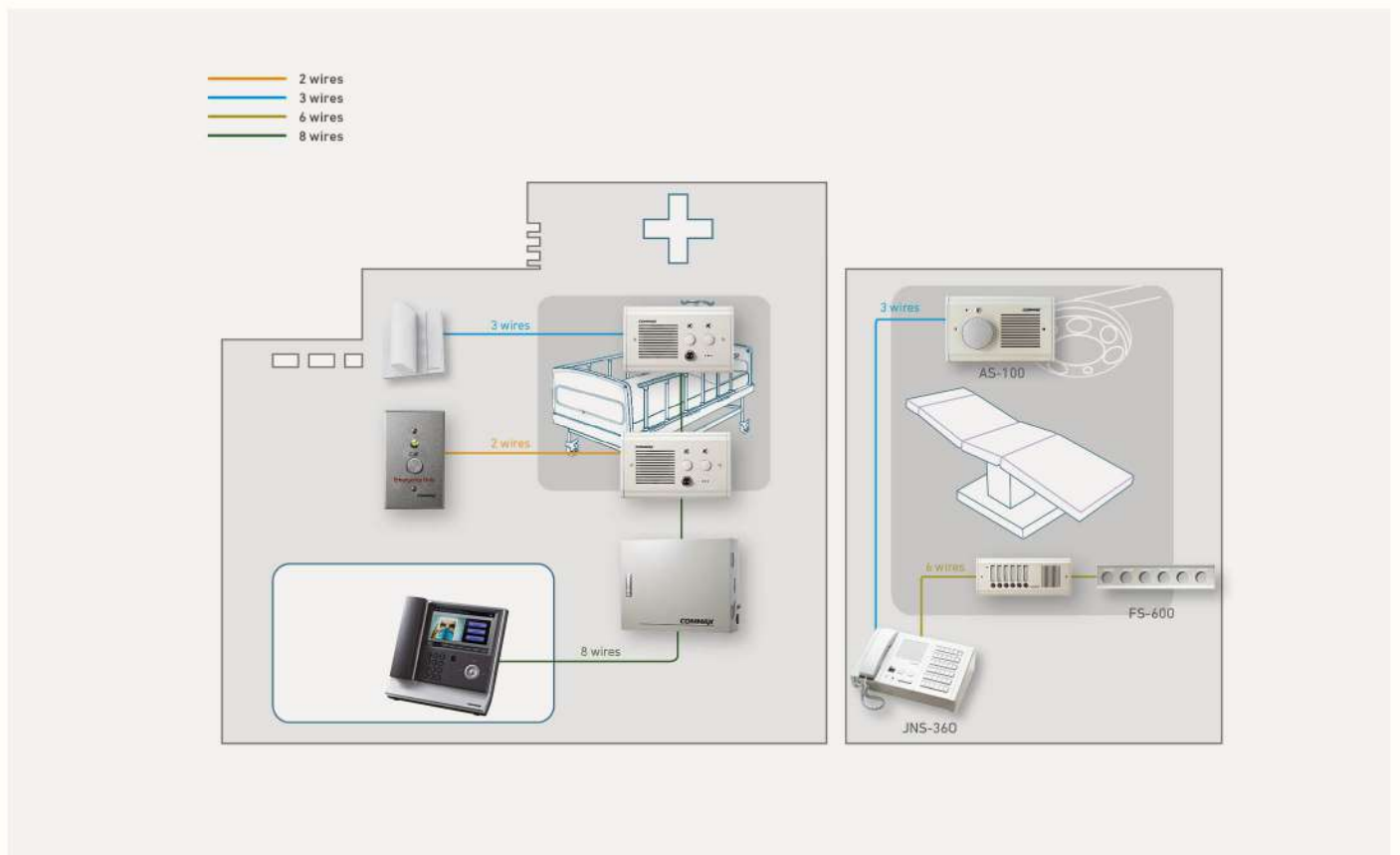
Applicable	Normal fire door	Thickness 40mm ~ 60mm
Access methods (3WAY : CDL-300L 4WAY : CDL-310L)	Pin number	4~12 digit number combination (Up to 4 pin number)
	RF card	Up to 30 cards
	Mechanical key	Individual mechanical lock
	Fingerprint	Up to 100 Fingerprints(CDL-831L)
Power source	DC 6V	Alkaline AA battery, 8pcs(LR6 1.5V AA size)
Type of product	Fireproof type, Temperature sensor type, Key type, Master key door lock	
Temp. alarm	Temp. sensor	60 degree ± 10 degree
Option	Remote module(CDL-447)	
Dimension(mm)	80(W)x330(H)x71(D)	

HOSPITAL COMMUNICATION SYSTEM

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



FIELD OF HOSPITAL COMMUNICATION SYSTEM APPLICATION



BED HEAD CONSOLE

JNS-3000



- Paging and calling nurse's waiting room
- Various ways of emergency paging and calling
- Multi-device featured console(AC outlet, light, IV holder, name card)

Power source	From JNS-PSM
Mount type	Flush-mounted type
Wiring ports	4 wires
Distance	100m(0.65Ø)
Dimension(mm)	833(W)×196(H)×81(D)

BED HEAD CONSOLE

JNS-1000



- Paging and calling nurse's waiting room
- Various ways of emergency paging and calling
- Multi-device featured console (AC outlet, light)

Power source	From JNS-PSM
Mount type	Flush-mounted type
Wiring ports	4 wires
Distance	100m(0.65Ø)
Dimension(mm)	530(W)×117(H)×16(78)(D)

BED HEAD CONSOLE(4 WIRES)

JNS-4CS



- 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 JNS-PSM
Mount type	Flush-mounted type
Wiring ports	3 wires
Distance	100m(0.65Ø)
Dimension(mm)	195(W)×117(H)×16(D)

MAIN NURSE STATION(4 WIRES)

JNS-70MN



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

Power source	From JNS-PSM
Mount type	Wall-mounted type
Wiring ports	4 wires
Distance	100m(0.65Ø)
Dimension(mm)	252(W)×247(H)×40(D)

NURSE STATION

JNS-4CM



- 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 JNS-PSM
Mount type	Desktop
Wiring ports	4 wires
Distance	100m(0.65Ø)
Dimension(mm)	327(W)×230(H)×97(D)

SOFTWARE

MANAGEMENT PROGRAM



- Software: Google, Fire Fox, iOS, IE
- Connectivity : JNS-70MN
- Available Microsoft office Excel

MAIN PANEL

JNS-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)

OPERATING ROOM STATION

JNS-360



- LED status indication
- Hands-set
- Volume control enabled
- Channel select function
- Group announcement function
- Desktop

Power source	AC 220, 60Hz
Mount type	Desktop
Wiring ports	Common 2 wires + separate 12 wires including power
Distance	600m(0.65Ø)
Dimension(mm)	360(W)×232(H)×105(D)

OPERATING ROOM CALL SYSTEM

JNS-6K0



- A simple name tag
- LED status indication
- Flush-mounted type
- Hands-free function

Power source	From JNS-360
Mount type	Flush-mounted type
Wiring ports	6 wires
Distance	100m
Dimension(mm)	305(W)×117(H)×16(D)

OPERATING ROOM FOOT SWITCH

FS-600



- Foot switch in operating room
- LED status indication

Power source	From JNS-360
Mount type	Flush-mounted type
Wiring ports	6 wires
Distance	10m
Dimension(mm)	573(W)×117(H)×16(66)(D)

OPERATING ROOM STATION

JNS-36



- LED status indication
- Hands-set
- Volume control enabled
- Channel select function
- Desktop

Power source	AC 220, 60Hz
Mount type	Desktop
Wiring ports	Common 2 wires + separate 12 wires including power
Distance	600m(0.65Ø)
Dimension(mm)	360(W)×232(H)×105(D)

OPERATING ROOM ARM SWITCH

AS-100



- Arm switch
- Operation room
- Hands-free intercom
- Flush-mounted type

Power source	From JNS-36
Mount type	Flush-mounted type
Wiring ports	3 wires
Distance	100m
Dimension(mm)	195(W)×117(H)×16(66)(D)

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)

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)

MAIN PANEL

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)

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)

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)

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)

PRESENCE SWITCH

PB-500



- Presence switch

Power source	From JNS-4CS/CNS-8CS
Mount type	Flush-mounted type
Wiring ports	2 wires
Dimension(mm)	71(W)x116(H)x3(45)(D)

EM. SWITCH

ES-400



- Emergency switch (restroom)
- Waterproof

Power source	From JNS-4CS/CNS-8CS
Mount type	Flush-mounted type
Wiring ports	2 wires
Dimension(mm)	71(W)x116(H)x3(45)(D)

SHOWER EM. SWITCH

ES-420



- Emergency switch (Shower room)
- Waterproof

Power source	From JNS-4CS
Mount type	Flush-mounted type
Wiring ports	2 wires
Dimension(mm)	118(W)x118(H)x3(45)(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

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)x171(H)x20(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)x118(H)x73.1(D)

IP GATE SYSTEM



CIP-1000QX
MONITOR

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CIP-710Q
MONITOR

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CIP-710M
MONITOR

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CIOT-L20M/L20M2
ENTRANCE
STATION

page.09



DRC-40QFD
DOOR CAMERA

page.09



CHM-2200
A.I. HOME MIRROR

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CAP-1000A
A.I. MONITOR

page.13



CSM-3200
A.I. SMART MIRROR

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IP HOME IoT



CIOT-1000Y
MONITOR

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CIOT-1020M/1020M2
MONITOR

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CIOT-700M/700M2
MONITOR

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CIOT-700ML
MONITOR

page.15



CIOT-LBIO
BIO LOBBY

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CIOT-L20M/L20M2
ENTRANCE
STATION

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CIOT-L20MP
ENTRANCE
STATION

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CIOT-L7FM
ENTRANCE
STATION

page.17



CIOT-L8TM
ENTRANCE
STATION

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CIOT-L2TM
ENTRANCE
STATION

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CIOT-L10M
ENTRANCE
STATION

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CIOT-24XM
ENTRANCE
STATION

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CIOT-D20DK
DOOR LOCK
CAMERA

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CIOT-D20Y
DOOR CAMERA

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CIOT-D21M/D20M
DOOR CAMERA

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CIOT-D20P
DOOR CAMERA

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IoT GATE VIEW



IPEC-911R
EMERGENCY
CALL UNIT

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CIOT-G700M/G701M
GUARD STATION

page.19



**CAV-1000QGX/
1001QGX**
MONITOR

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CAV-70QGX
MONITOR

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**CAV-1020MGX+/
1021MGX+**
MONITOR

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CAV-70MGX+
MONITOR

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CDP-1400YB
MONITOR

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CDP-1000YB
MONITOR

page.29

SMART HOME SYSTEM



CDP-1020YB
MONITOR

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CDP-1400MB
MONITOR

page.30



CSH-1020MB
MONITOR

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CDP-1020MB
MONITOR

page.30



DRC-BIOS
BIO LOBBY

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DRC-7MS
ENTRANCE
STATION

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CKV-1020FS
KITCHEN TV
PHONE

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CDS-70M
GUARD STATION

page.32

MODUM SYSTEM (HYBRID SYSTEM)



**CMV-70MX
MONITOR**

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**CMV-70S/70SD
MONITOR**

page.38



**CMV-77K/77KD
MONITOR**

page.38



**CMV-70M/70MD
MONITOR**

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**CMV-43S/43SD
MONITOR**

page.39



**CMV-43A/43AD
MONITOR**

page.39



**CMA-3L/3LD
AUDIO PHONE**

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**DRC-7MBL/RF1
ENTRANCE
STATION**

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**CMP-2BCT/4BCT
ENTRANCE
STATION**

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**CMP-2BC/4BC
ENTRANCE
STATION**

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**CMP-CTS/RF1
ENTRANCE
STATION**

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**CMP-2BCS/4BCS
ENTRANCE
STATION**

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**CMP-2BAT/4BAT
ENTRANCE
STATION**

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**CMP-2BA
ENTRANCE
STATION**

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**CMP-4BX
ENTRANCE
STATION**

page.41



**CMP-2BX
ENTRANCE
STATION**

page.41

SMATE GATE SYSTEM



**DRC-900LC/RF1
ENTRANCE
STATION**

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**DRC-GUM
ENTRANCE
STATION**

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**DRC-NP
EXTENSION NAME
PANEL**

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**DRC-12UX
EXTENSION
PANEL**

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**CDS-2AG
GUARD STATION**

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**CDS-481L
GUARD STATION**

page.43



**CAV-705MX
MONITOR**

page.45



**CAV-711M
MONITOR**

page.45

GATE VIEW



**CAV-70HS
MONITOR**

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**CDP-1020ID
MONITOR**

page.46



**DRC-7MBL/RF1
ENTRANCE
STATION**

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**DRC-703LC/RF1
ENTRANCE
STATION**

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**CDS-481L
GUARD STATION**

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**CAV-70MG2
MONITOR**

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**CAV-70MG+
MONITOR**

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**CAV-70MG
MONITOR**

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**CAV-70MHG
MONITOR**

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**CAV-43MHG
MONITOR**

page.50



**CAV-43MG
MONITOR**

page.50



**CAV-43MG2
MONITOR**

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**DRC-BIOL
BIO LOBBY**

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**DRC-7MBL/RF1
ENTRANCE
STATION**

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**DRC-703LC/RF1
ENTRANCE
STATION**

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**DRC-10MP
ENTRANCE
STATION**

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AUDIO GATE SYSTEM (2 WIRES & UTP)



DRC-8TML
ENTRANCE
STATION

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DRC-24XM
EXTENSION
PANEL

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DRC-GUC/RF1
ENTRANCE
STATION

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CDS-4GS
GUARD STATION

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DR-2GS
AUDIO DOOR
UNIT

page.55



AP-2RAG
DOORPHONE

page.55



DR-2AG/RF1
ENTRANCE
STATION

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CDS-2AG
GUARE STATION

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HOME BLACK BOX



CDV-1024MA
MONITOR

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CDV-704MF
MONITOR

page.57



CDV-70MF
MONITOR

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CDV-704MA
MONITOR

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CDV-704MHA
MONITOR

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DRC-40DK/41DK
DOOR LOCK
CAMERA

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DRC-40YFD
DOOR CAMERA

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DRC-40KHD
DOOR CAMERA

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FINE VIEW



DRC-4CPHD/4CPHD2
DOOR CAMERA

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DRC-4CPNK
DOOR CAMERA

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CDV-70M
MONITOR

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CDV-70MH
MONITOR

page.61



CDV-70MHH
MONITOR

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CDV-70H/70H2/70HM2
MONITOR

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CDV-70N/70N2/70NM
MONITOR

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CDV-70K/70KM
MONITOR

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CDV-70KR3
MONITOR

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CDV-70KPT
MONITOR

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CDV-43M
MONITOR

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CDV-43MH
MONITOR

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CDV-43K/43K2/43KM
MONITOR

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DRC-4CPN3
DOOR CAMERA

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DRC-41M
DOOR CAMERA

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DRC-4M
DOOR CAMERA

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MULTI BUTTON DOOR CAMERA



DRC-40K
DOOR CAMERA

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DRC-40KR2
DOOR CAMERA

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DRC-40KPT
DOOR CAMERA

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DRC-2/4ML/RF1
MULTI BUTTON
DOOR CAMERA

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DRC-6/8/10ML/RF1
MULTI BUTTON
DOOR CAMERA

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DRC-24XM(F)
EXTENSION PANEL

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DRC-2UC
MULTI BUTTON
DOOR CAMERA

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DRC-3UC
MULTI BUTTON
DOOR CAMERA

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MULTI BUTTON AUDIO UNIT



DRC-4UC
MULTI BUTTON
DOOR CAMERA
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DRC-5UC
MULTI BUTTON
DOOR CAMERA
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DRC-6UC
MULTI BUTTON
DOOR CAMERA
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DRC-7UC
MULTI BUTTON
DOOR CAMERA
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DR-24ML
MULTI BUTTON
AUDIO UNIT
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DR-2UM
MULTI BUTTON
AUDIO UNIT
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DR-4UM
MULTI BUTTON
AUDIO UNIT
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DR-6UM
MULTI BUTTON
AUDIO UNIT
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DOORPHONE



DR-8UM
MULTI BUTTON
AUDIO UNIT
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DR-NUS
MULTI BUTTON
AUDIO UNIT
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DP-RS
DOORPHONE
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DP-2LD
DOORPHONE
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DP-2S
DOORPHONE
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DP-LA101M/S
DOORPHONE
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DP-201LA
DOORPHONE
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DP-LA01M/S
DOORPHONE
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INTERPHONE / INTERCOM



DP-SS
DOORPHONE
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DP-ML
DOORPHONE
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DR-201D
AUDIO DOOR UNIT
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DR-2L
AUDIO DOOR UNIT
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DR-2K
AUDIO DOOR UNIT
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DR-26N
AUDIO DOOR UNIT
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TP-NR
INTERPHONE
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WT-171L(M/S)
WIRELESS
INTERPHONE
page.73



WDP-174L(M/S)
WDR-174DS
WIRELESS
DOORPHONE
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TP-6RC
INTERPHONE
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TP-12RC
INTERPHONE
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TP-12RM
INTERPHONE
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TP-90RN
INTERPHONE
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TP-1L
INTERPHONE
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TP-S
INTERPHONE
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CM-801/800
INTERCOM
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CM-810/800S
INTERCOM
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CM-810M
INTERCOM
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WI-3SN
WIRELESS
INTERCOM
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WI-2B
WIRELESS
INTERCOM
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PI-30LN/20LN/10LN
POWER INTERCOM
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SMART DOORLOCK



CDL-88PBio
BIO DOORLOCK

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CDL-88P
PREMIUM
DOORLOCK

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CDL-800WL/100WL
ROCK AND LOCK

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CDL-107U
SMART
DOORLOCK

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CDL-220PB
SMART
DOORLOCK

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CDL-200P/210P
SMART
DOORLOCK

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CDL-200L/210L
SMART
DOORLOCK

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**CDL-400M/410M/
400MC/410MC**
SMART
DOORLOCK

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HOSPITAL COMMUNICATION SYSTEM



CDL-300L/310L
SMART
DOORLOCK

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JNS-3000
BED HEAD
CONSOLE

page.99



JNS-1000
BED HEAD
CONSOLE

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JNS-4CS
BED HEAD
CONSOLE(4 WIRES)

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JNS-70MN
MAIN NURSE
STATION(4 WIRES)

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JNS-4CM
NURSE STATION

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JNS-PSM
MAIN PANEL

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**MANAGEMENT
PROGRAM
SOFTWARE**

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JNS-360
OPERATING
ROOM STATION

page.100



JNS-6K0
OPERATING
ROOM CALL SYSTEM

page.101



FS-600
OPERATING
ROOM FOOT SWITCH

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JNS-36
OPERATING
ROOM STATION

page.101



AS-100
OPERATING ROOM
ARM SWITCH

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CNS-70MN
MAIN NURSE
STATION

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CNS-8CS
BED HEAD CONSOLE

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CNS-PSM
MAIN PANEL

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CNS-8CD
NURSE CALL
SWITCH

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CNS-8AS
OPERATING ROOM
SWITCH

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CNS-812LD/812MD
DISTRIBUTOR

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PB-500
PRESENCE SWITCH

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ES-400
EM. SWITCH

page.103



ES-420
SHOWER
EM. SWITCH

page.103



CC-200
CALL CORD SW

page.103



PS-100
PILLOW
SPEAKER

page.103



CL-302I
CORRIDOR LIGHT

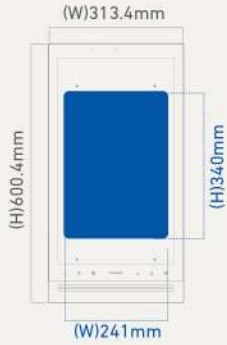
page.103

A.I. HOME MIRROR

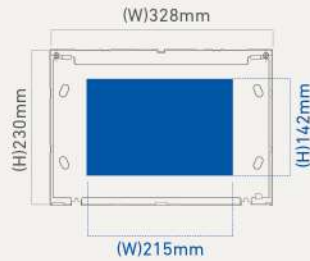
MONITOR



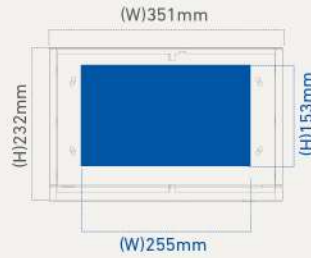
CHM-2200



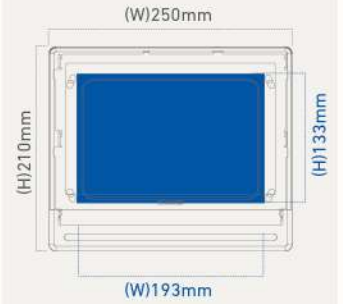
CDP-1400MB



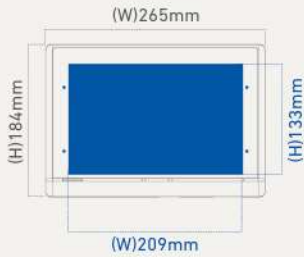
CDP-1400YB



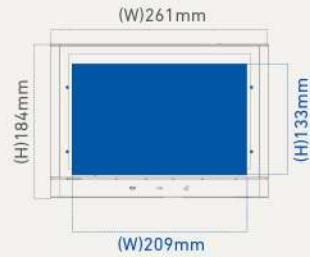
CAV-1000QGX



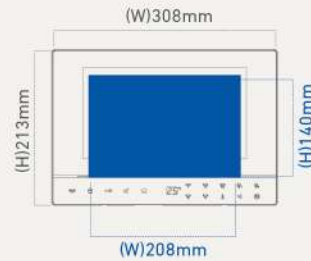
CDP-1000YB



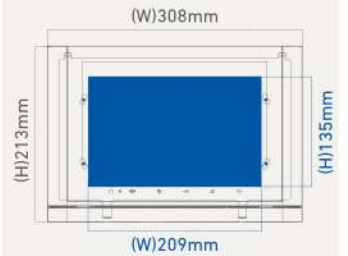
CDP-1020YB



CSH-1020MB



CAV-1020MGX+
CDP-1020MB

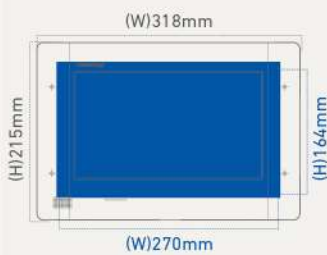


BIO LOBBY

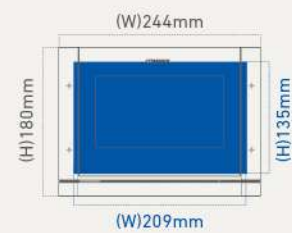
ENTRANCE STATION



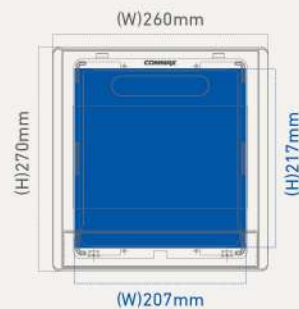
CDP-1020ID



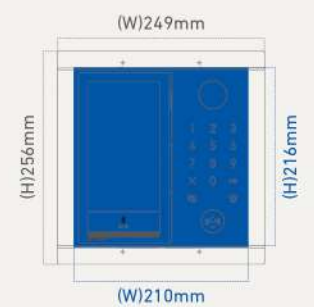
CAV-705MX



CIOT-LBIO
DRC-BIOS
DRC-BIOL



CIOT-L20M/L20M2
DRC-7MS



DRC-7MBL/RF1






(W)249mm
(H)256mm
(W)210mm
(H)216mm

DRC-703LC/RF1




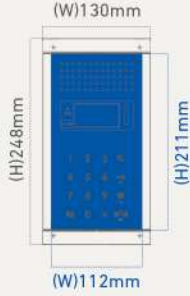

(W)244mm
(H)270mm
(W)207mm
(H)217mm

**CIOT-L20MP
DRC-10MP
DRC-2/4ML**

(W)130mm
(H)248mm
(W)112mm
(H)211mm

**CMP-CTS/RF1
CMP-2BCS/4BCS**

(W)130mm
(H)248mm
(W)112mm
(H)211mm

EXTENSION PANEL




**CIOT-L7FM
CIOT-L8TM
CIOT-L2TM
CIOT-L10M
CIOT-24XM
CMP-2BCT**

**CMP-4BCT
CMP-2BC
CMP-4BC
CMP-2BAT
CMP-4BAT
CMP-2BA**

**CMP-4BX
CMP-2BX
DRC-GUM
DRC-8TML
DRC-GUC/RF1
DR-2AG/RF1**



(W)130mm
(H)315mm
(H)286mm
(W)110mm





**DRC-24XM
DRC-NP
DRC-12UX**



(W)130mm
(H)315mm
(H)286mm
(W)110mm


MULTI BUTTON DOOR CAMERA

DRC-2/4ML/RF1

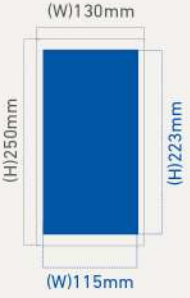
(W)130mm
(H)248mm
(W)112mm
(H)211mm

DRC-6/8/10ML/RF1




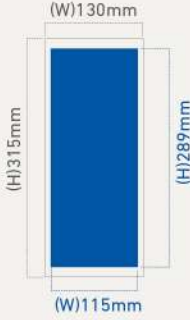

(W)130mm
(H)315mm
(W)110mm
(H)286mm

DRC-2/3/4UC

(W)130mm
(H)250mm
(W)115mm
(H)223mm

DRC-5/6/7UC

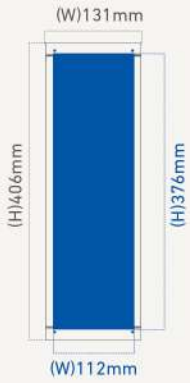



(W)130mm
(H)315mm
(W)115mm
(H)289mm

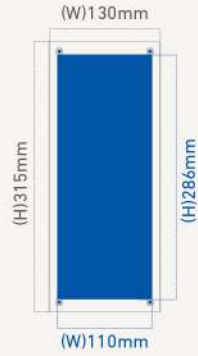
MULTI BUTTON AUDIO UNIT



DR-24ML



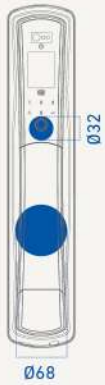
**DR-2UM
DR-4UM
DR-6UM
DR-8UM
DR-NUS**



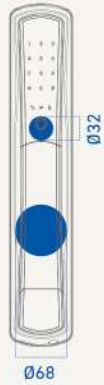
SMART DOORLOCK



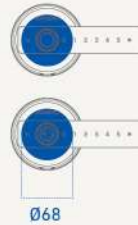
**CDL-88PBio
BIO DOORLOCK**



**CDL-88P
PREMIUM
DOORLOCK**



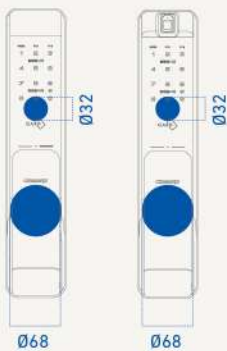
**CDL-800WL/100WL
SMART
DOORLOCK**



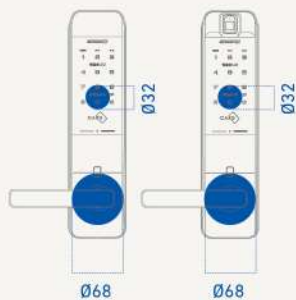
**CDL-107U
SMART
DOORLOCK**



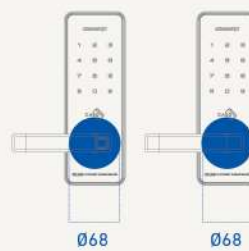
**CDL-220PB/
200P/210P
SMART
DOORLOCK**



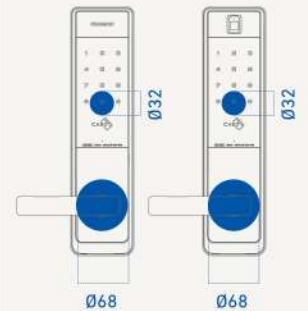
**CDL-200L/210L
SMART
DOORLOCK**



**CDL-400M/410M/
400MC/410MC
SMART
DOORLOCK**



**CDL-300L/310L
SMART
DOORLOCK**





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