Home Network
COMMAX

40th anniversary

2008/2009 GENERAL CATALOGUE

For the trade, installers, architects and planners

2008/2009 General Catalogue

Home Network
COMMAX

www.commax.com

Home Network
COMMAX

CONTENTS

40th

Fortieth anniversary

COMMAX

COMMAX innovation since 1968

COMMAX, has been developing products and marketing them for the global market over the last 40 years since its establishment in 1968.

Now COMMAX, as a world-renowned leading company in the field of interphones, video door phones, home automation and home network systems, has been exporting products under COMMAX brand to 120 different countries.

Also, COMMAX has been gaining technological competitiveness by continuous accumulation of technology and obtaining international quality certificates such as UL and TUV, and is now acknowledged as a top class company in the field of IT where it continues to strive for creating a new lifestyle of living environment for customers all over the world.

Home Network
COMMAX

COMMAX Passion

COMMAX Vision

COMMAX's dream is to make a better world by producing better communication in our globe. COMMAX is aiming at becoming one of the top global brands, is now growing as a leading company in the field of IT by constant development, production and sales of leading world class products in the IT market of the 21st century.
COMMAX will do its utmost to become a better company by placing customers first and creating a future in cooperation with employees, share holders and partner companies on the basis of trust.

Passion Over the Future

COMMAX's high credibility in quality and advanced technology, globally recognized, come from the sweat and passion of the people of COMMAX and their philosophy over customer's interests.
An accomplishment of advanced technology is formed through constant effort and creative self-development.
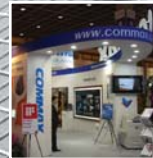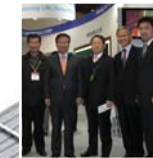Over the past 40 years, the core philosophy in COMMAX's intention to develop special technology has come from placing itself in the position of customers with a positive attitude to satisfy our world wide customers.

COMMAX is striving for the satisfaction of customers as creating a better world as updating technology, ideology and high spirit philosophy .

Home Network COMMAX

COMMAX 40th Anniversary

40th
Fortieth anniversary
COMMAX
COMMAX innovation since 1968

With COMMAX

The center of our digital world is always you, our customers.
COMMAX has been with customers for 40 years
and will be with customers for next 40 years too.
COMMAX has always placed customers first and will strive
for becoming a world class company for customers.

Global Top Brand-COMMAX

40th

1970's COMMAX
-Designated as a good company for advancement of productivity

1980's COMMAX
-Awarded distinguish service for "Promotion and development a small and medium enterprise"
-Selected as one of the "Promising small-medium enterprises"
-Selected as the "Specialist in machinery factory" for medium enterprise market

1990's COMMAX
-Awarded "The achievement of $5 million in exports"
-Acquisition of the "First national Video-phone UL standard certification"
-Awarded the "President's export enterprise medal" for achieving US $10 million mark in exports
-Awarded the "Grand prize of electronic & commerce"
-Selected as one of the "Top 50 excellent quality competitiveness enterprise"

2000's COMMAX
-Awarded the "Grand prize of Korean trading promotion"
-Awarded "The achievement of $30 million in exports" for being elected the top exporter.
-Selected for the "World's best product certification corporation"
-Awarded "Contest presidential award" in national productivity reformation
-Awarded the "2005 First brand award"
-Awarded the "2004 Good design award" by the Ministry of commerce, Industry and energy
-Awarded "The achievement of 50 million in experts" for being elected the top exporter
-Awarded the "2007 Trust company award"
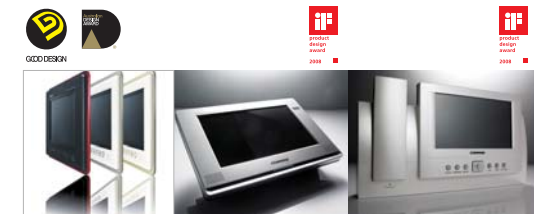
2007 Good Design by KIDP
2008 iF Design

CEO Message

Leading the World

COMMAX, established in 1968, has concentrated on electronic telecommunication for 40 years. We have become communications experts that have led communication development in Korea. As a leader among electronic enterprises in the world we help our customer's communication and business, COMMAX obtained the world's first UL certification on videophones and has achieved technological predominance in domestic and international markets.

At present, COMMAX has a state-of the art factory which was established in 1994 in China and is a renowned enterprise in the international community that exports its products to more than 120 different countries. Our employees at COMMAX are always enthusiastically working hard to provide customer satisfaction and to earn customers' loyalty through distinguished design, outstanding quality, customer support and constant innovation. Through a customer satisfaction, research-oriented workforce together with global-minded management, we are focusing on enhancing our superior workmanship to achieve our vision of becoming a Global Top Brand. We are fully committed to always stand by our customer's needs, providing happiness in their homes and that added margin of conform and safety.

BONG-DUK, BYUN
CEO and Chairman

COMMAX

COMMAX History
40 years of profound change

Anniversary 1968-2008
40th
Home Network
COMMAX

1960's
1968. 4.1 Established under Jung Ang Electronic Industrial Co.

1970's
1973.04 Began exportation to UK, US, etc.(etc.does not look good, like other contries are not important)
1976.12 Move to New Manufacture in "Sungnam industrial complex"
1976.12 Corporate establishment of Jung Ang Electronic Industry Co.
1977.08 First national interphone (W1-1A) safety standards UL acquired from the US in Domestic market.
1978.04 Acquired the license of electronic & communication business.
1978.08 Acquired the license of import -export business.

1980's
1981. 10 Awarded the "Korean Green Cross Record" for fostering an accident-free workplace.
1982. 09 Selected as one of the "Promising Small-Medium Enterprises" by Hanil Bank.
1987. 04 Selected as one of the "Promising Medium Enterprises" in export.
1990.11 Awarded "The achievement of $5 million in exports" by the Minister of commerce and industry for being elected the top exporter.

1990's
1993. 09 Acquired "The first Video Door Phone UL standard in the world"
1994. 10 Acquired the "First video door phone CSA standard in the world"
1994.11 Awarded the "President's export enterprise medal" for achieving US $10 million mark in exports
1995. 01 Acquired the ISO-9002 International Quality Certificate
1997.02 Awarded the "Grand Prize of Korean Electronics Industry"
1998.07 Selected as a "Venture business patent and licensing" for the development of technology by the Small & Medium Business Ad-ministration (SMBA).
1998.11 Awarded the "Grand prize of Small-Medium Venture Company"
1999.03 Selected as one of the "Promising Small-Medium Enterprises" in export by the small and medium industry promotion corporation.
1999.08 Ranked in the "Top 50 excellent quality competitiveness enterprise" by the Minister of commerce and industry for being elected the Top Exporter
1999.09 Corporate name changed to "COMMAX Co., Ltd"

2000's
2000.01 Listed on the KOSDAQ stock market
2000.02 Acquiring the ISO-9001(Korean securities dealers association)
2000.07 Ranked in the "Top 50 excellent quality competitiveness enterprise" by the Minister of commerce and industry for being elected the top exporter
2000.11 Selected a "Promising small-medium export enterprises" in 2000.
2001.02 Awarded the "Grand Prize of Korean Trading Promotion in 2001"
2001. 07 Ranked in the "Top 50 excellent quality competitiveness enterprise" for the 4th consecutive year.
2001. 11 Awarded the "Prime minister's export enterprise medal" for achieving US $30 million mark in exports
2002. 07 Awarded the "2002 Good Design Award" by the Ministry of commerce, industry and energy for the fourth consecutive year
2002.07 Awarded the "2002 Good Design Award" by Public procurement service of Korean government
2002.08 Ranked in the "Top 50 excellent quality competitiveness enterprise" for the 3rd consecutive year.

2003.04 Completion of new corporate headquarters and showcase room
2003.08 Selected as "One of the top 50 enterprise" in excellent quality and competitiveness by the Ministry of commerce, industry and energy for the fifth consecutive year
2003.09 Awarded the "2003 Good Design Award" by Public procurement Service of Korean Government
2003.12 Selected by the Ministry of Commerce, Industry and Energy for "The world's Best Product Certification Corporation
2003.10 Ranked in the "Top 50 excellent quality competitiveness enterprise" for the 5th consecutive year.
2004.07 Awarded the "2003 Good Design Award" by the Ministry of commerce, industry and energy
2004.09 Awarded "Contest Presidential Award" in the 28th national productivity reformation
2004.11 Awarded "Export enterprise medal" for achieving US $50 million mark in exports.
2005.01 Awarded the "2005 First Brand Award"
2006.09 Winner of LOHAS award
2006.11 Awarded "Tin Tower Medal" on the 34th annual trading day
2007.04 Gaining "Consumer Trust and Satisfaction Award" through our quality in home network systems
2008.03 Awarded "2008 iF Design Award" by international forum design

Home Network
COMMAX

Establishment of Jung Ang Electronic Industry Company

COMMAX has started its first step in April 1968, when labor intensive industries were very common, with passion of opening a future for Korea's economy when electronics was not a common word. At the beginning of establishment, COMMAX started the business with, producing and installing static electronic exchangers used by many users. Even though there were so many demands, as the business was growing, COMMAX has faced obstacles.

COMMAX has faced crisis such as lack of finance, management, technologies, reputation, shortage of products etc, which resulted in giving up the exchanger business. After that, COMMAX started the interphone business for the first time to which current business owes its origin, while trying to find an opportunity to rebound by finding a new item.

After making efforts to develop functions to provide customers satisfaction by recognizing their needs, interphones for Korea with better convenience was born. The interphones which were suitable for Korean housing structures became tremendously popular. After that, we named a new device "door phone" which was born as a result of a changing concept by putting automatic opening and closing function to doors. We expanded the sale of door phones with preferable recognitions from customers as we were installing the products in Hanyang apartments and Unha apartments which were first built on Youido during the boom of apartment construction in the early 1970s.

COMMAX increased development of products for convenience of customers by diversifying kinds and functions of interphones in response for the growth of the business and expansion of the market, achieved technological innovation by turning the existing mechanical products to electronic products, by understanding the trend of new telecommunication devices. In order to achieve this technological innovation, COMMAX implemented an aggressive and future oriented technological management by placing more than 10% of manpower of the organization and investing more than 10% of the entire revenue in R&D.

Exploring overseas markets

COMMAX strived for obtaining world class competitiveness through constant effort to export products and improvement of product quality for overseas markets. After the first introduction in Electronics Fair in Japan in 1972, COMMAX made its best effort to develop products with passion and competing against foreign products to accomplish the first product exportation to England and America in 1973. COMMAX understood the importance of overseas certificates for overseas markets and obtained UL of USA for the first time in Korea in 1976 and TUV of Europe. COMMAX exported products for the first time to Ghana in 1975. COMMAX has grown to be a company occupying 85% of the share of the domestic market.

During oil crisis in 1979 and through the time of chaos when all the industry sectors were experiencing minus growth, we felt the limit of growth in the narrow domestic market. COMMAX obtained UL mark of USA in 1983, which is a certificate for electronics standards as a result of making efforts to expand the overseas sales and accelerate development of new products for customers' needs unlike existing interphones. (Obtained FIZ certificate in 1984)

Birth of a global brand COMMAX

After making a decision to export products under our own brand apart from exporting existing OEM products, we came up with a brand name COMMAX, which is a combination word of communication and maximization, which means maximization of communication. COMMAX formed sales network for overseas market to vitalize overseas business and fortified strict quality control. COMMAX also formed 2 management guide lines for sales target management for regional markets and creative technological innovation.

COMMAX emphasize importance on product design. COMMAX formed a culture of harmonizing the relationship between employees and the company to fortify internal structure of our organization. COMMAX implemented restructuring of organization and business in order to meet the global standard for strategical implementation of its business. And also, COMMAX thanks to constant effort to develop future oriented products, developed a Video door phone, which is the original form of current videophones.

Starting with obtaining UL certificate (1993) and TUV certificate for a video door phone for the first time in the world COMMAX has obtained various overseas quality certificates, which give COMMAX recognition for its technology.

COMMAX uses "COMMAX", which is registered in over 90 countries, as its own brand for products. COMMAX objectively proved itself as a company with technology in IT business by being awarded for a Good and Competitive Company for 5 years, from 1999 to 2003. In 1999, we changed company name to "COMMAX" by adapting the brand name for integration with company identity. COMMAX was listed on KOSDAQ in Jan of 2000 to show its transparency in management. Through clear management, COMMAX is now striving to become a real top global brand.

COMMAX People

High Technology Mind
Professional Mind

In COMMAX, we consider ourselves to be real competitors. COMMAX uses internal organic systems weighing on creativity and cooperation of individuals no matter what obstacles they face, which make members of COMMAX's organization possible to come up with a new idea and have higher objectives. COMMAX's assets and source of development of technology are strong attitude and confidence of COMMAX's global specialists who will lead the era of ubiquitous.

COMMAX's people, who have lead world home network market, are constantly striving for the happiness of customers by placing our costumers as our top priority.

We believe this unique company culture has come from creative mind giving and implementing ideas, challenge for higher objectives and specialized technology. Further more, COMMAX has formed an organic communication system for easy communication between departments for constant development of products that are geared for customers' convenience.

COMMAX, which is striding for a top global brand, is actively adapting itself to changes in business environment and striving to become a top global company by constantly finding and educating talents with confidence that only a new and active company can lead the future. Seeing the world and reading about the world are our promises and the fight is against ourselves. COMMAX's people always think of a better world. COMMAX is competing against the world.

Global Leader in Communication Industry

Customer Value Creation

Trust Culture Creation

Future Technology Creation

Design

COMMAX provides special pride.

COMMAX wishes to design your life.
COMMAX's design philosophy is to design your life.
Your home is the most important space in your life.
COMMAX's design raises practicality and convenience for customers
through a perfect harmony with friendly
and sophisticated designs suitable for any space.
This is the intention of COMMAX's design.

Global Vision Creation

No.1
Global Top Brand

COMMAX proposes a new digital culture.
A leader as a top class company in IT field, with development of new products and focus on customers.

Nothing is possible until the dream has come true. The digital world that COMMAX is striving for making a happy world that you have dreamed of. A blooming life you have always dreamed!
COMMAX's technology always makes the best value.
COMMAX invites you to a beautiful digital world that COMMAX shows.

Home Network
COMMAX

Information Technology

Global Top Brand

A brand is the first impression of a company. The first impression shows customers detailed information of the company. Therefore a good brand has value itself. COMMAX's products are currently exported to over 100 countries including North America, Europe, South America, South East Asia, and Africa. No matter where you go, you can see COMMAX's products. COMMAX has noticed importance of a fine brand so 'COMMAX' was made up. COMMAX has put a lot of time and effort to make 'COMMAX' a leading brand in the world. On making the brand, 'COMMAX' has been registered in many countries, which are now over 90 countries.

A brand of a company is the important assets that reflect the value of the company and trust from customers. Elevating the value of a brand is very important for the trust from customers more than a simple marketing side. Trust from customers can only come from constant efforts for a long time. COMMAX is well aware of the fact that a brand is the image of a company. In other words, a brand is a promise with customer to implement good services in accordance with the name of the company. Therefore, COMMAX is well aware of the fact that a brand is more important than a simple guarantee certificate. COMMAX believes that a brand is a promise to customers. Therefore COMMAX is proud of being a company with trust from customers through diligence, technology and doing its best for customer satisfaction as company's philosophy since its establishment of COMMAX.

A leap to become a Top Global Brand

COMMAX will take a step closer to customers to give them true trust and confidence in COMMAX's products not just for convenience.

Technology Innovation

The world of a global life that no one has experienced...

COMMAX is a company that leads IT culture and technological trends and changes lives of customers in accordance with the era of ubiquitous. COMMAX's differentiated technology and products with best quality will make a human focused happy environment using broad wireless networks, digital security, comfortable environment, etc. COMMAX' effort to lighten customers' lives by providing a cutting edge living culture will open a world for a better life style, which can be realized by a fingertip no matter when and where you are.

COMMAX's technology is the future for a living condition for customers to live as citizens of the world. A world with a better life style, beautiful technology, providing happiness, comfort and safety, is what COMMAX is striving for.

Home Network System
Meet the highest technology with the best design

Technology & Design

Smart View Series
COMMAX propose you to be with us anytime in your life

Think Different

A design that apply to future environments

Everything has started from COMMAX's ideas. Sophisticated and excellent designs with technology, understanding space, completing comfortable life style, etc are the beautiful windows of COMMAX. COMMAX's digital designs and development of human oriented technology are inspired by cross encounter of nature and human. COMMAX' differentiated design power comes from changes and newness of our lives.

Good Design

COMMAX is approaching to customers with color marketing which apply family looks to a series of products including a Wall-Pad with a home network design concept which can go well with peripheral interior along with Bluetooth Handy products, which can perform home networking regardless of space, not just home network, home automation and videophone products. COMMAX is practicing a design marketing strategy for differentiation with other company's home network products and satisfying customers' needs as a trend setter applying colors which can go well with interior such as wall paper, with basis of 3 colors which are black/red wine, white/lime, and white/gold, to products. This COMMAX's design strategy is now objectively gaining global recognition by being awarded for iF Design Award with highest reputation. COMMAX, from now on, will provide customers with a perceptive life style by implementing aggressive marketing strategies which approach to customers.

Home Automation System
COMMAX home automation basically enables home automation function and provides video communication, various security system, etc.

Customer Satisfaction

COMMAX has introduced a strategy to eliminate complaints or dissatisfaction of customer 40 years ago when no other company understood the management for customer satisfaction. The reason why COMMAX was able to practice the management for customer satisfaction was the recognition of the trends that business environment was dramatically changing and the market was changing from manufacturer orientation to customer orientation. COMMAX was well aware of the fact that companies would strive for customer satisfaction in the advent of customer rights, through which companies and customers would become harmonized with each other.

COMMAX has to do its best to make customers feel that their choice in purchasing COMMAX's products is wise in order to be selected in fierce competition. Therefore, COMMAX is making its every effort to give customers overall satisfaction of product quality, services and company images. However, the concept on 'Customer Satisfaction' was not just contemplated by company's point of view. In other words, COMMAX believes that what comes first to satisfy customers is to notice what customers want and to provide better value COMMAX is competing against the world.

Even though quality and services are better improved than before, COMMAX is well aware of the fact that, if the improvement is different from what customers want and does not meet the needs of customers, customers will express dissatisfaction and complaints. Therefore COMMAX has been doing business in a standpoint of customers and counterparts in forming relationships with them.

COMMAX does not limit the concept of customer just to the final consumers but expands to agencies, stores, collaborating manufacturers and material providers and recognizes them not just entities to sell and buy but partners in cooperation for success. In other words, the basic philosophy of COMMAX's customer satisfaction is not just to give satisfaction to customers but to understand customers as partners, who share success with each other as a group living together.

A Blooming Life
COMMAX's blooming life provides you with an affluent, beautiful, convenient and safe life

Play the Ubiquitous

Wireless intergrated management handy.
COMMAX's ubiquitous world, you think, is that you meet a free world regardless of time and space.

What you think is ubiquitous.

The system environment that meets your needs is a network world that integrates people and systems as one.
COMMAX's ubiquitous world that you think is that you meet a free world regardless of time and space. COMMAX will open an ubiquitous life which can remote control the entire systems in the house (electricity, gas, air conditioning and heating, door locks, security, fire, etc) with a touch of your finger. You can enjoy the convenience of a home network service though IT devices such as mobile phones, note books, PDAs, PCs etc. by installing digital home network systems of COMMAX in the house.

You can remotely check whether the gas is turned off or if there is any visitor while you are absent wherever and whenever. You can control digital appliances of your home and adjust the temperature and humidity to your living environment. The ubiquitous society makes it possible for you to have easy education environment regardless of time and space and perform economic activities such as electronic commerce using home network devices at your home.
Further more,
possible is the remote diagnosis and medical consultation through diagnosis devices at your home.

It's
NEW
PRODUCTS

CDP-1020A | Smart View | Multi-Entry Strategy System | CDV-50A | DPV-4LH | DP-20H | Intercom

iF
product
design
award

2008

HOME NETWORK & SECURITY SYSTEM

Visitor
Away
Public notice
Schedule

▸ Home control
◂ Convenient
◂ Entertainment
◂ Environment

Gas off ▸
Away mode setup
Call method ▸
Lights off ▸

Alarm

COMMAX

Gas Control

Home Control

Lighting Control

Airconditioner Control

Home Network
system

Total solutions with a state of the art technology
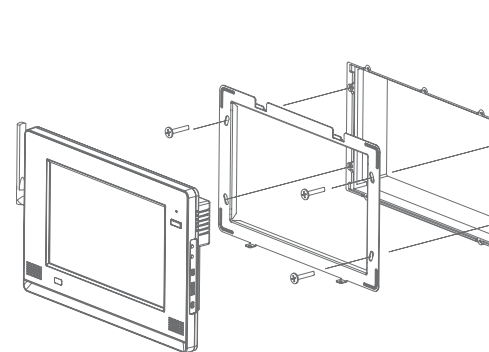provide differentiated values for your smart home

CDP-1020A

World class premium design recognized by iF Design Award
Various colors in gold, dark silver, sliver make your life more stylish.
Now enjoy your life with COMMAX home network.

CDP-1020A

Home Network System

318.0
215.0
61
18

<Mounting diagram>
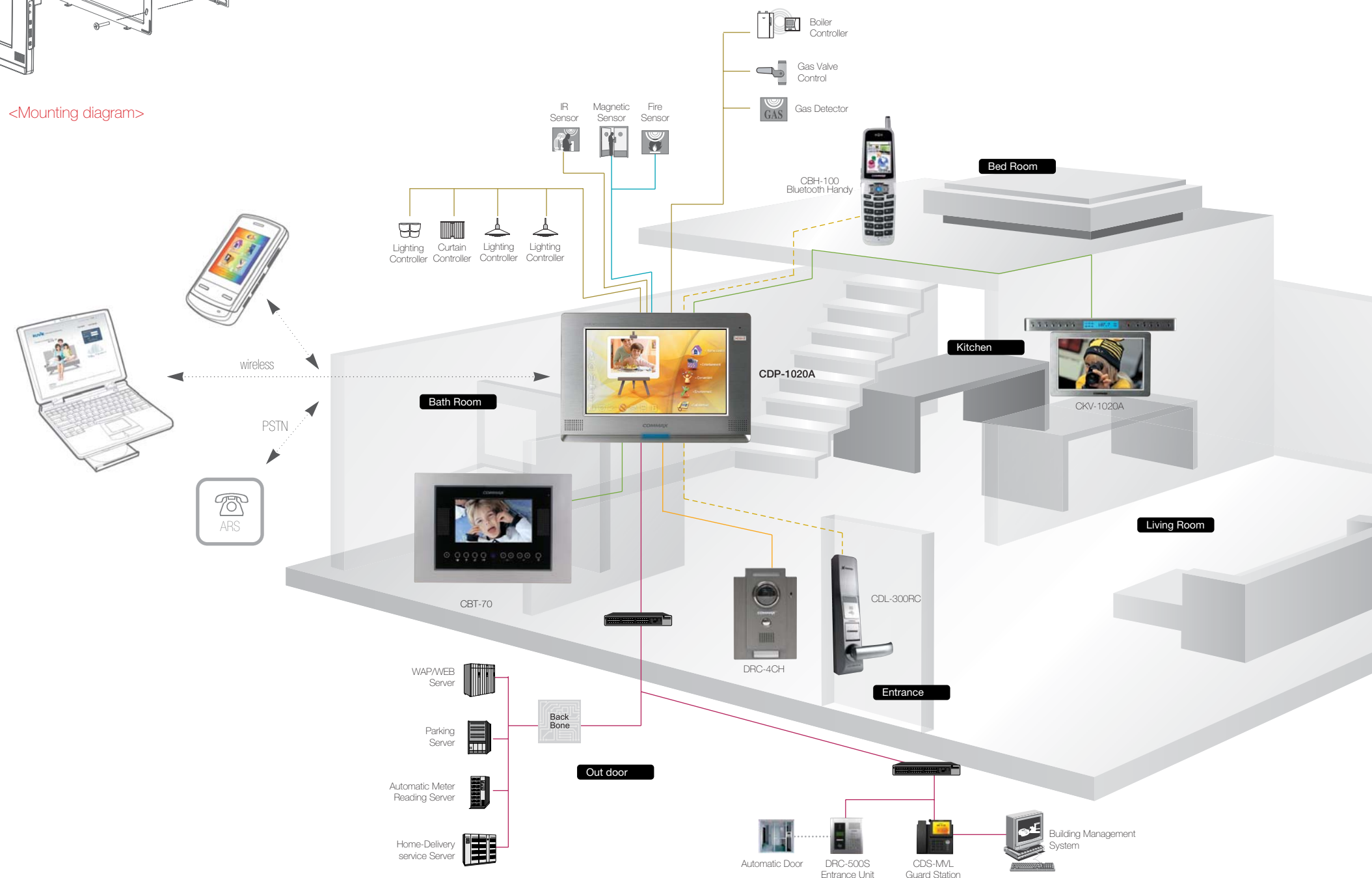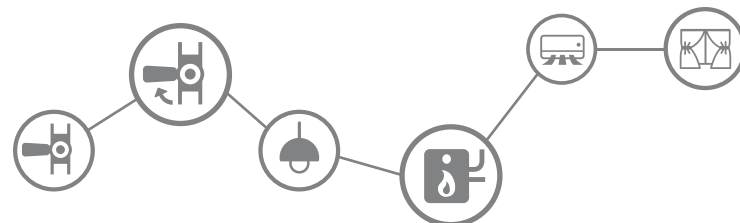
iF
product
design
award
2008

● **CDP-1020A**

• **Features**
 -Control : Gas valve, lighting, curtain, boiler appliance, mobile handy
 -Management : Health care, parking, delivery, remote metering check
 -Security : Fire, burglar, gas leakage
 -Remote control : WAP / WEB / ARS
 -Video phone : Door answering & monitoring, door release, GUI control telephone,
       home service, touch screen

• **Wiring** : LAN (CAT.5)
• **Power** : DC14.5V
• **Dimensions** : 318 X 215 X 18 [61] (mm)

Home Network System Diagram

Boiler Controller
Gas Valve Control
Gas Detector
IR Sensor
Magnetic Sensor
Fire Sensor
CBH-100 Bluetooth Handy
Bed Room
Lighting Controller
Curtain Controller
Lighting Controller
Lighting Controller
Kitchen
CkV-1020A
wireless
CDP-1020A
Bath Room
PSTN
ARS
Living Room
CBT-70
CDL-300RC
Entrance
WAP/WEB Server
Back Bone
DRC-4CH
Parking Server
Out door
Automatic Meter Reading Server
Home-Delivery service Server
Automatic Door
DRC-500S Entrance Unit
CDS-MVL Guard Station
Building Management System

iF
product
design
award
2008

Smart View
Series

Smart view series create more sensations in your life
We call it the innovation of video door pone with marvelous features
World considered it the best design with iF design award

COMMAX

MONITOR INTERPHONE MENU/SET TALK OPEN REC. / IMAGE

Propose...

COMMAX proposes you to be with us anytime in your life

Home Network
COMMAX

Propose

World's First Quad Screen
Fusion | Video door phone + CC TV

Smart View Series

CDV-71BQ/71BQS • Quad

- **Features** : Quad screen display / Expandable up to 2 monitors / Connectable up to 4 cameras / Visitor image memory(NTSC : 68 cuts, PAL : 58 cuts) / Door answering & monitoring / Door release

- **Power source** : AC 100-240V(50Hz | 60Hz) / CDV-71BQ : 25W, CDV-71BQS : 18W
- **Wiring** : 4 wires
- **Wiring distance** : Door unit-50m(ϕ0.65)
- **Dimensions** : 314 X 173 X 44 (mm)

CDV-71BQ
CDV-71BQS   CDV-71BQS

CDV-72BE • Free-communication

- **Features** : Cord handset / Door answering & monitoring / Connectable up to 4 cameras / Visitor image memory (128 cuts) / OSD interface / CCTV surveillance camera / Security : Burglar

- **Power source** : AC 100-240V(50Hz | 60Hz) / Max 17W
- **Wiring** : 4 wires   • **Wiring distance** : Monitor-20m(ϕ0.5)
- **Dimensions** : 314 X 173 X 44 (mm)

CDT-180
- **Power source** : Ni-MH 1.2V 600mA, AAA X 3(Hand set)
- **Wiring** : Wireless   • **Wiring distance** : Outdoor : Max. 200m / Indoor : Max.40m
- **Dimensions** : Hand set : 28 X 46.5 X 115 (mm)
                    Base station : 133 X 81.5 X 52.5(mm)

CAV-71B • World first

- **Features** : Handset & hands-free / Door answering & monitoring / Room to room call & pause(Expandable up to 20 monitors) / Connectable up to 4 cameras / Visitor image memory(128 cuts) / OSD interface / CCTV surveillance camera / Security : Burglar

- **Power source** : AC 100-240V(50Hz | 60Hz) / Max 17W
- **Wiring** : 4 wires(Camera+CDS-4CM), 6 wires(CDS-4CM+Door unit)
- **Wiring distance** : Monitor-20m(ϕ0.5)
- **Dimensions** : 314 X 173 X 44 (mm)

CDV-71BSE • Security

- **Features** : Security-4 zones / Connectable up to 4 cameras / CCTV surveillance / Security(Burglar) / OSD menu control / Visitor image memory (128 cuts) / Additional interphone connectable

- **Power source** : AC 100-240V(50Hz | 60Hz) / Max 25W
- **Wiring** : 4 wires
- **Wiring distance** : Door unit-50m(ϕ0.65)
- **Dimensions** : 314 X 173 X 44 (mm)

CAV-72B • Free-communication

- **Features** : Cord handset & hands-free / Door answering & monitoring / Room to room call & pause(Expandable up to 20 monitors) / Connectable up to 4 cameras / Visitor image memory (128 cuts) / OSD interface / CCTV surveillance camera / Security : Burglar

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- **Wiring distance** : Monitor-20m(ϕ0.5)   • **Dimensions** : 314 X 173 X 44 (mm)

CDT-180
- **Power source** : Ni-MH 1.2V 600mA, AAA X 3(Hand set)
- **Wiring** : Wireless   • **Wiring distance** : Outdoor : Max. 200m / Indoor : Max.40m
- **Dimensions** : Hand set : 28 X 46.5 X 115 (mm) / Base station : 133 X 81.5 X 52.5(mm)
- **Applicable product** : CAV-72B

CDV-71BE • Standalone

- **Features** : Connectable up to 4 cameras / CCTV surveillance / OSD menu control / Visitor image memory (128 cuts) / Additional interphone connectable

- **Power source** : AC 100-240V(50Hz | 60Hz) / Max 25W
- **Wiring** : 4 wires
- **Wiring distance** : Door unit-50m(ϕ0.65)
- **Dimensions** : 314 X 173 X 44 (mm)

Smart View Series

World's First Quad Screen
Fusion | Video door phone + CC TV

CDV-71BQ/71BQS • Quad

- **Features** : Quad screen display / Expandable up to 2 monitors / Connectable up to 4 cameras / Visitor image memory(NTSC : 68 cuts, PAL : 58 cuts) / Door answering & monitoring / Door release

- **Power source** : AC 100-240V(50Hz ǀ 60Hz) / CDV-71BQ : 25W, CDV-71BQS : 18W
- **Wiring** : 4 wires
- **Wiring distance** : Door unit-50m(ϕ0.65)
- **Dimensions** : 314 X 173 X 44 (mm)

CDV-71BQ
CDV-71BQS   CDV-71BQS

CDV-72BE • Free-communication

- **Features** : Cord handset / Door answering & monitoring / Connectable up to 4 cameras / Visitor image memory (128 cuts) / OSD interface / CCTV surveillance camera / Security : Burglar

- **Power source** : AC 100-240V(50Hz ǀ 60Hz) / Max 17W
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CDT-180
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CAV-71B • World first

- **Features** : Handset & hands-free / Door answering & monitoring / Room to room call & pause(Expandable up to 20 monitors) / Connectable up to 4 cameras / Visitor image memory(128 cuts) / OSD interface / CCTV surveillance camera / Security : Burglar

- **Power source** : AC 100-240V(50Hz ǀ 60Hz) / Max 17W
- **Wiring** : 4 wires(Camera+CDS-4CM), 6 wires(CDS-4CM+Door unit)
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- **Dimensions** : 314 X 173 X 44 (mm)

CDV-71BSE • Security

- **Features** : Security-4 zones / Connectable up to 4 cameras / CCTV surveillance / Security(Burglar) / OSD menu control / Visitor image memory (128 cuts) / Additional interphone connectable

- **Power source** : AC 100-240V(50Hz ǀ 60Hz) / Max 25W
- **Wiring** : 4 wires
- **Wiring distance** : Door unit-50m(ϕ0.65)
- **Dimensions** : 314 X 173 X 44 (mm)

CAV-72B • Free-communication

- **Features** : Cord handset & hands-free / Door answering & monitoring / Room to room call & pause(Expandable up to 20 monitors) / Connectable up to 4 cameras / Visitor image memory (128 cuts) / OSD interface / CCTV surveillance camera / Security : Burglar

- **Power source** : AC 100-240V(50Hz ǀ 60Hz) / Max 17W
- **Wiring** : 4 wires(Camera+CDS-4CM), 6 wires(CDS-4CM+Door unit)
- **Wiring distance** : Monitor-20m(ϕ0.5)   • **Dimensions** : 314 X 173 X 44 (mm)

CDT-180
- **Power source** : Ni-MH 1.2V 600mA, AAA X 3(Hand set)
- **Wiring** : Wireless   • **Wiring distance** : Outdoor : Max. 200m / Indoor : Max.40m
- **Dimensions** : Hand set : 28 X 46.5 X 115 (mm) / Base station : 133 X 81.5 X 52.5(mm)
- **Applicable product** : CAV-72B

CDV-71BE • Standalone

- **Features** : Connectable up to 4 cameras / CCTV surveillance / OSD menu control / Visitor image memory (128 cuts) / Additional interphone connectable

- **Power source** : AC 100-240V(50Hz ǀ 60Hz) / Max 25W
- **Wiring** : 4 wires
- **Wiring distance** : Door unit-50m(ϕ0.65)
- **Dimensions** : 314 X 173 X 44 (mm)

"Video quality is the soul of video door phone"

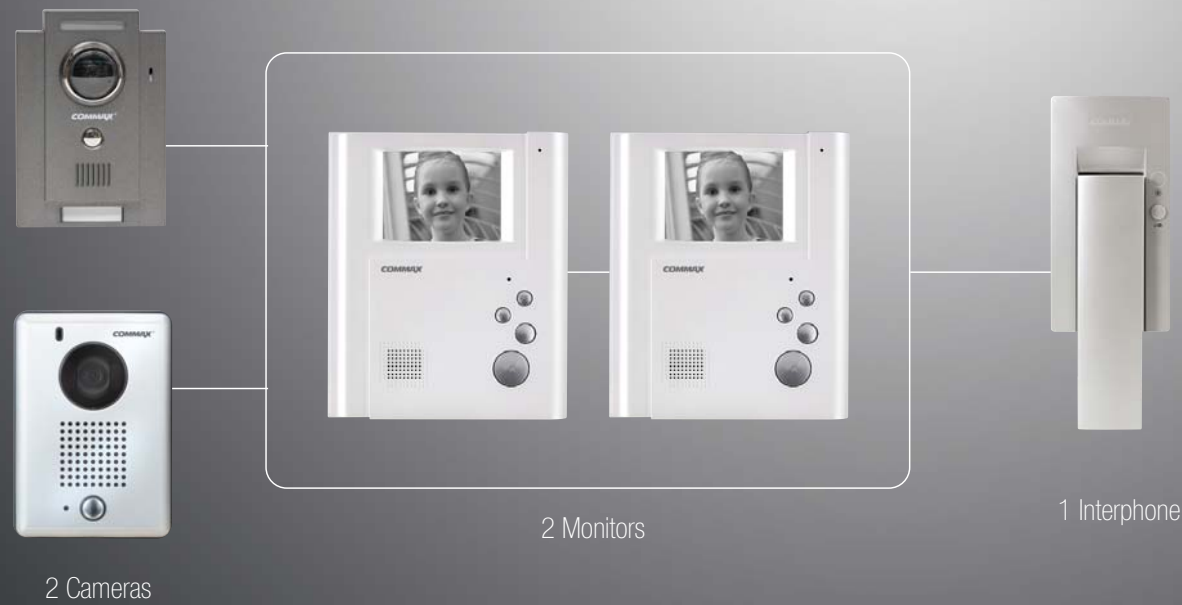Experience with unbeatable video quality of 40 years history of COMMAX

COMMAX

Most **V**aluable **P**roduct
Best Video Quality of the world
CDV-50A

High technology created the higher video quality which no one compete with
Upgrade its design in two tone colors
Easy button control

2 + 2 + 1

2 Cameras

2 Monitors

1 Interphone
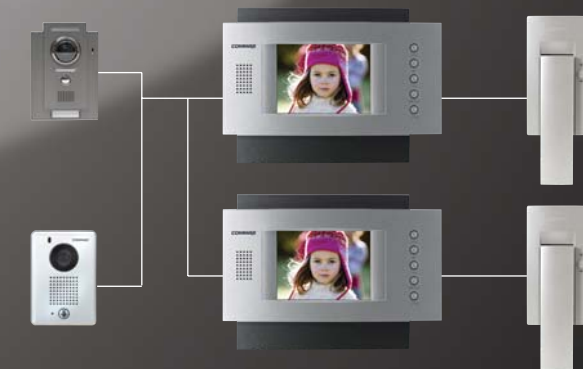
Puzzle
& Blooming in Color

DPV-4LH Hands Free B/W Video Door Phone

Easily make your space different with a stylish design
Convenient access to the door with a sub monitor

37mm

Blooming in
Color & Slim

DP-20H

Modern design breaks the idea of door phone
It's different feeling in various colors for any place, any space for your life
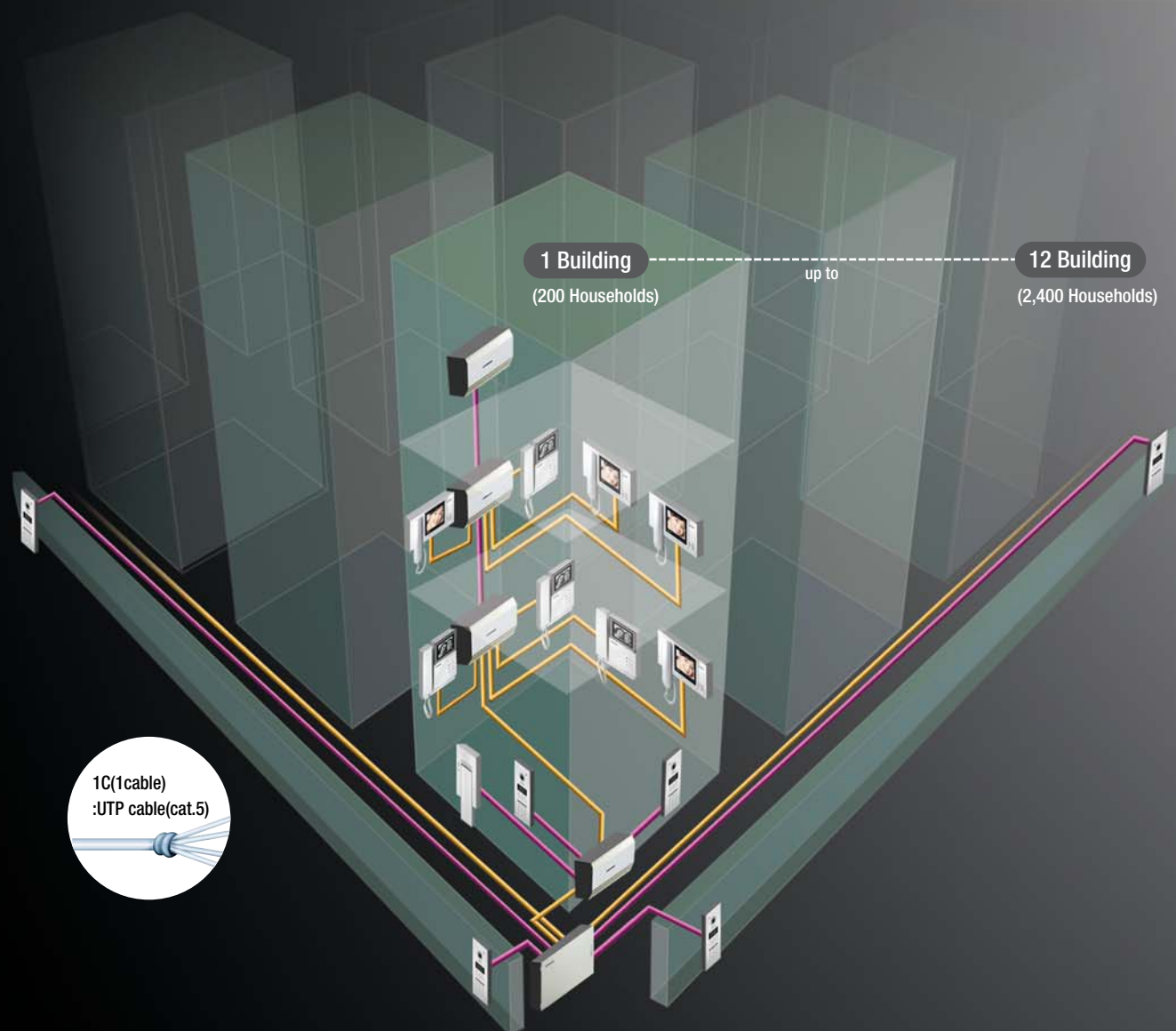
Red   Gold   Silver   White   Pearl

Multi-Entry
Strategy System

- 1 cable installation system : Lowest labor cost / Easy installation / Lowest cable cost
- Up to 2,400 households
- Guard station unit supportable
- Digital entry panels
- Customization of operating parametres

1 Cable

New wiring solution

DR-nSB

DRC-nSC

DRC-MSC

DR-nMS

APV-4PM

CCU-BS

AP-5HM

CAV-51M

1 Building
(200 Households)

up to

12 Building
(2,400 Households)

1C(1cable)
:UTP cable(cat.5)

Digitalizing
& New Fashioned Intercom

CM-810M

Applicable to hospitals, guard station, office environments
Assuring the best audio quality at any places

CM-810   CM-800   CM-801

Home
Network
System

COMMAX home network system controls interactively all digital appliances through three types of technologies which are All LAN, Dedicated Line and Dedicated Line + Internet.
It perfectly implements existing home automation and connect with Ethernet-based Wall Pad, home server and gateway.
Home automation provides various information and functions by using convenient graphic user interface (GUI).

It exchanges data not only with the interior of a house (rooms/ a living room/ a kitchen) but also with the exterior by comprehensively connecting to all appliances at home (home automation system, home appliances and information devices).
It is an integrated system that supports security system, various text information, SMS, video memory, home delivery and excellent performance in efficiency, stability and cost-effectiveness. It is the best device supporting, ARS and safe network management service.

Home Network System
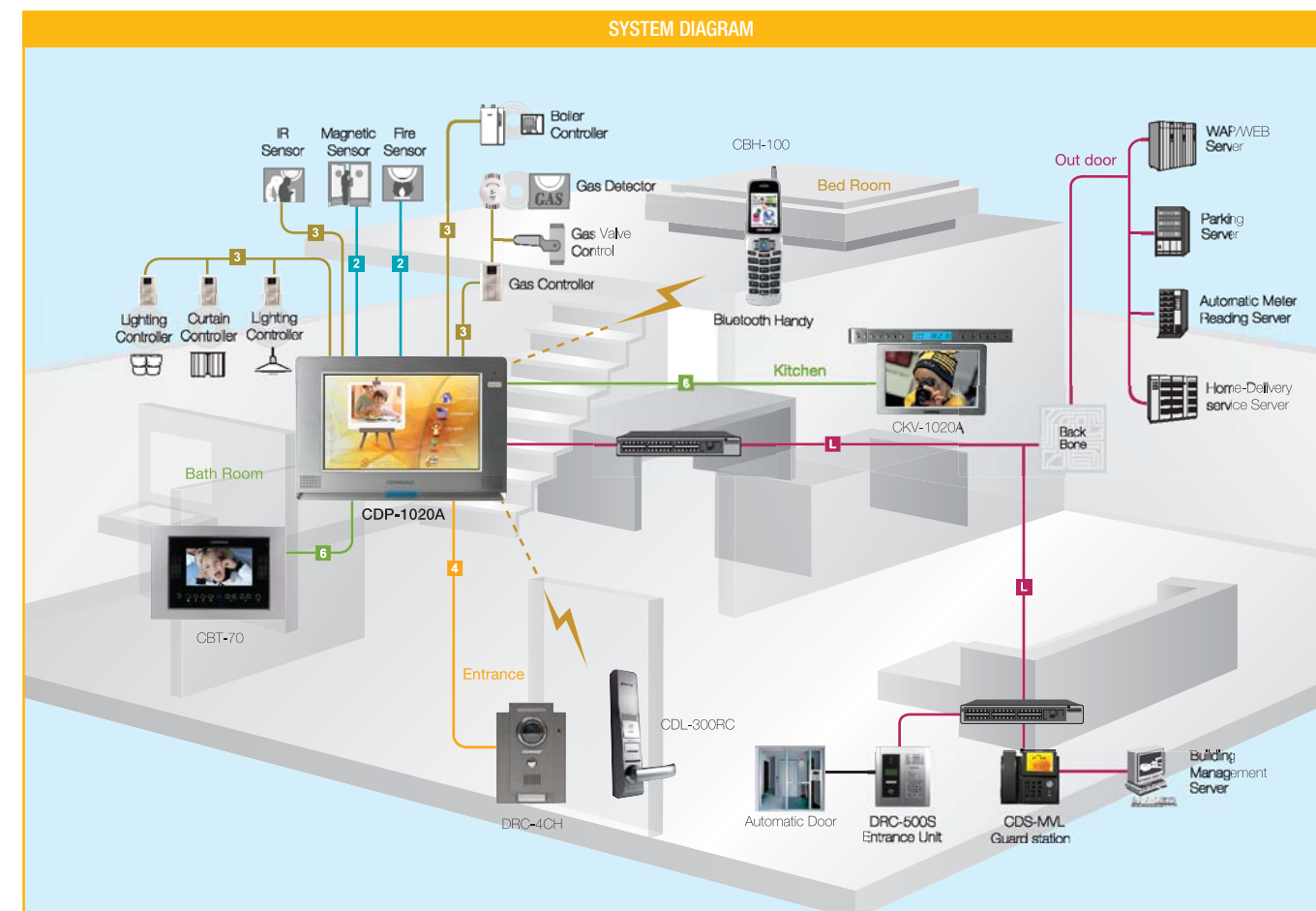WONDERFUL VIDEO/AUDIO QUALITY OVER 40 YEARS

HOME NETWORK & SECURITY SYSTEM

- Home control
- Entertainment
- Convenient
- Environment
- Call method

COMMAX

iF product design award 2008

CDP-1020A
iF Design Award Product

It reinforces durability and high-grade designed metal body(optional color in silver, dark gray, gold) with aluminum and it keeps wall pad from users' scratch. It allows users to enjoy various home network contents.

SYSTEM DIAGRAM

IR Sensor | Magnetic Sensor | Fire Sensor | Boiler Controller | CBH-100 | Bed Room | WAP/WEB Server | Out door | Parking Server | Automatic Meter Reading Server | Home-Delivery service Server

Gas Detector | Gas Valve Control | Gas Controller | Bluetooth Handy | Kitchen | CKV-1020A | Back Bone

Lighting Controller | Curtain Controller | Lighting Controller

Bath Room | CDP-1020A | CBT-70 | Entrance | CDL-300RC | DRC-4CH | Automatic Door | DRC-500S Entrance Unit | CDS-MVL Guard station | Building Management Server

Specifications

- **Power source** : DC14.5V, 1.5A
- **Power supply** : SR819A
- **Mounting type** : Flush mounted type
- **Temperature** : 0°C ~ +50°C (32°F ~ 122°F)
- **Display** : 10.2 inch wide color TFT LCD & GUI by touch screen
- **Wiring** : LAN (CAT. 5e)
- **Connector** : RS-485 or PLC
- **Image Record** : 128 cuts
- **On-screen duration** : 60±30 sec
- **Dimension** : 318 x 215 x 18 [61](mm)
- **Embedding box size** :

Functions

- **Monitoring & talk** : Monitoring, Talk with a visitor, Monitoring a visitor in common entrance, Talk between households (Talk with video :optional), Bluetooth-Handy connection, Reviewing the image of a visitor when being away(Optional), Door lock release
- **Security** : Intruder alarm, Fire alarm, Gas leakage alarm, Connection of security company, Monitoring common area with video surveillance
- **Convenience function** : 1)Control function : A lighting influence one's sentiment, A gas Valve, A air Conditioner, A heating apparatus, All-put-out lights
  2)Additional service(Optional) : Home intelligent appliances, Calling elevator, Unmanned home delivery, Speech recognition
- **Information display** : Voice Memo, Schedule Management, Address directory, Notice of arrival one's car, Weather information, Traffic information, Connection of parking intelligent system
- **Ventilation & healthcare service** : Ventilation control, Healthcare control.
- **Remote control** : Through Mobile, Internet, ARS, Web site(www.ruvie.co.kr)

Features

- Elegant aluminum case adaptable in various color (Slver, gold, dark gray)
- GUI adaptable in accordance with users' taste.
- Remote control of device by Mobile, Internet.
- Notification of information in Complex (Public notice, Community)
- Connect to website only for Home network

Recommended Products

- Common entrance cameras

  DRC-600S | DRC-500S | DRC-600LC/RF | DRC-500LC/RF

- Individual door cameras

  DRC-40CI(New) | DRC-4CH | DRC-40CS | DRC-4CAN | DRC-41CSN | DRC-4CG

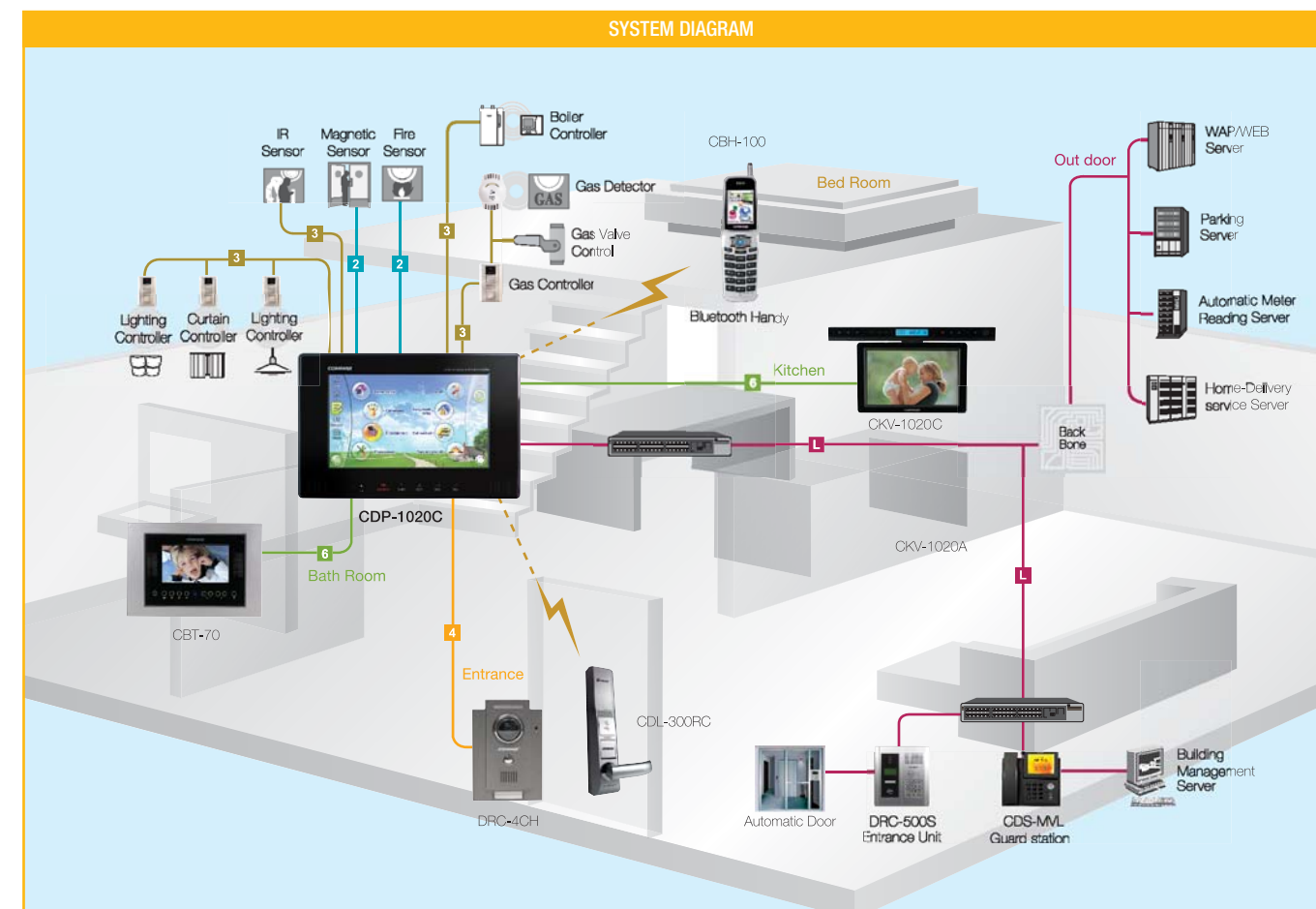※Refer to the connecting diagram(page 54~59)

Home Network
COMMAX

Company Overview | New Products | **P** General Products

Home Network System
Home Automation System | Multi Entry Strategy System | Video Door phone | TV Phone | Door Camera Unit | Door phone | Interphone & Intercom | Digital Door Lock

Home Network System
WONDERFUL VIDEO/AUDIO QUALITY OVER 40 YEARS

SYSTEM DIAGRAM

IR Sensor | Magnetic Sensor | Fire Sensor
Boiler Controller
CBH-100
Gas Detector
GAS
Gas Valve Control
Gas Controller
Bed Room
WAP/WEB Server
Out door
Parking Server
Automatic Meter Reading Server
Home-Delivery service Server
Lighting Controller | Curtain Controller | Lighting Controller
Bluetooth Handy
Kitchen
CKV-1020C
CDP-1020C
Back Bone
Bath Room
CKV-1020A
CBT-70
Entrance
CDL-300RC
Building Management Server
Automatic Door | DRC-500S Entrance Unit | CDS-MVL Guard station
DRC-4CH

HOME NETWORK & SECURITY SYSTEM

Visitor
Away
Public notice
Schedule

Home control | Gas off | Alarm
Convenient | Away mode setup
Entertainment | Call method
Environment | Lights off

EMERGENCY | GUARD | DOOR | OPEN | TALK

Specifications

- **Power source** : DC14.5V, 1.5A
- **Power supply** : SR819A
- **Mounting type** : Flush mounted type
- **Temperature** : 0°C ~ +50°C (32°F ~ 122°F)
- **Display** : 10.2 inch wide color TFT LCD & GUI by touch screen
- **Wiring** : LAN (CAT. 5e)
- **Connector** : RS-485 or PLC
- **Image Record** : 128 cuts
- **On-screen duration** : 60±30 sec
- **Dimension** : 318 x 215 x 18 [61](mm)
- **Embedding box size** :

Functions

- **Monitoring & talk** : Monitoring, Talk with a visitor, Monitoring a visitor in common entrance, Talk between households (Talk with video :optional), Bluetooth-Handy connection, Reviewing the image of a visitor when being away(Optional), Door lock release
- **Security** : Intruder alarm, Fire alarm, Gas leakage alarm, Connection of security company, Monitoring common area with video surveillance
- **Convenience function** : 1)Control function : A lighting influence one's sentiment, A gas Valve, A air Conditioner, A heating apparatus, All-put-out lights 2)Additional service(Optional) : Home intelligent appliances, Calling elevator, Unmanned home delivery, Speech recognition
- **Information display** : Voice Memo, Schedule Management, Address directory, Notice of arrival one's car. Weather information, Traffic information, Connection of parking intelligent system
- **Ventilation & healthcare service** : Ventilation control, Healthcare control.
- **Remote control** : Through Mobile, Internet, ARS, Web site(www.ruvie.co.kr)

Features

- Elegant design with high-glossy in black
- GUI adaptable in accordance with users' taste.
- Remote control of device by Mobile, Internet.
- Notification of information in Complex (Public notice, Community)
- Connect to website only for Home network

Recommended Products

- Common entrance cameras

DRC-600S | DRC-500S | DRC-600LC/RF | DRC-500LC/RF

- Individual door cameras

DRC-40CI(New) | DRC-4CH | DRC-40CS | DRC-4CAN | DRC-41CSN | DRC-4CG

CDP-1020C
Minimal and Slim Design

It emphasizes high-grade with high-glossy in black and keeps wall pad from users' scratch with minimalism design and durability.
It allows users to enjoy various home network contents.
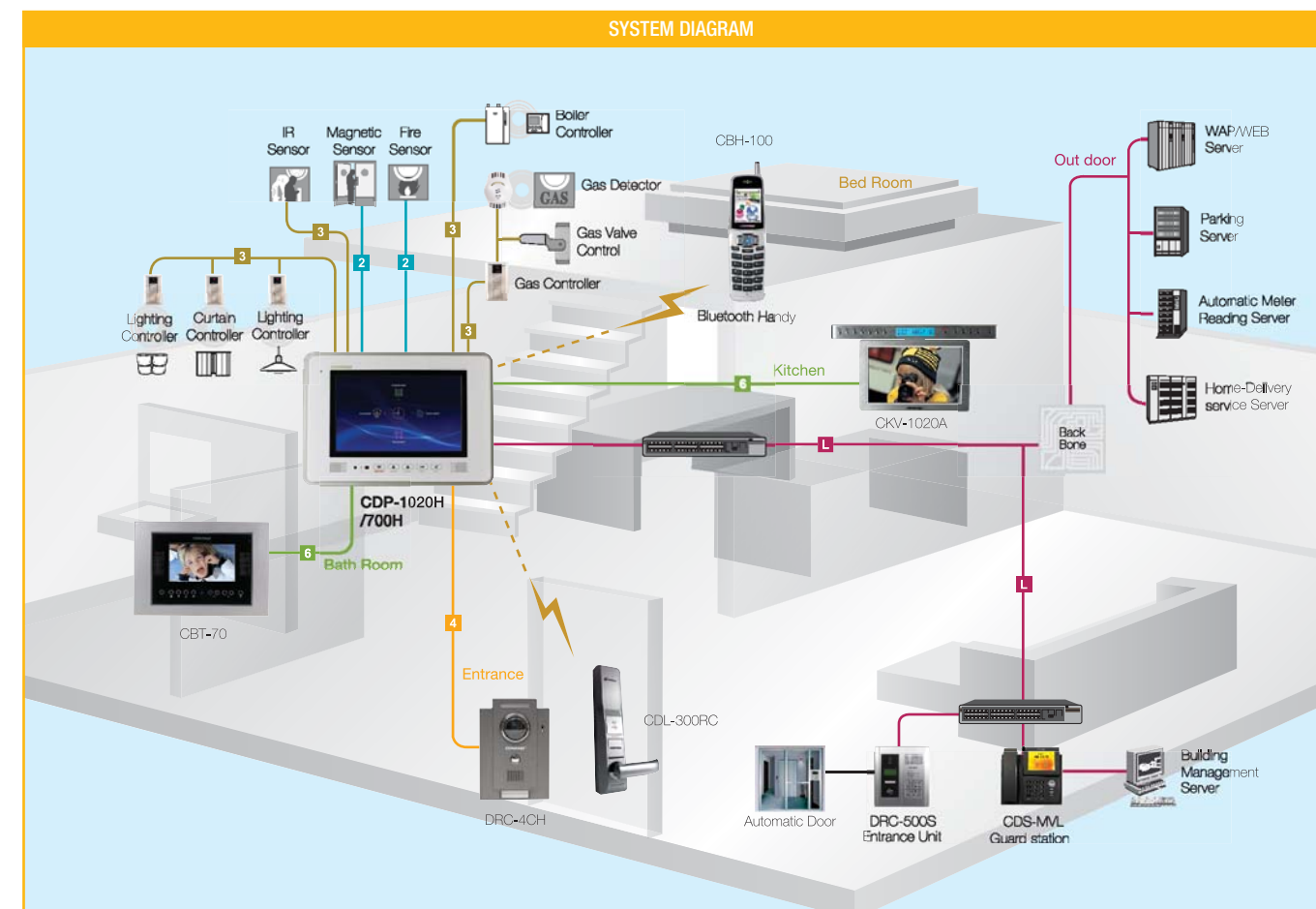
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Home Network System
WONDERFUL VIDEO/AUDIO QUALITY OVER 40 YEARS

CDP-1020H
/700H
Blooming Life, Blooming Color

Dual panel structure, new concept is applicable to this wall-pad (CDP-1020H) which is harmonized with interior of the house by means of various 6 colors. And user can enjoy uniquely various home network contents developed by COMMAX.

SYSTEM DIAGRAM

Specifications

- **Power source** : DC14.5V, 1.5A
- **Power supply** : SR819A
- **Mounting type** : Flush mounted type
- **Temperature** : 0°C ~ +50°C (32°F ~ 122°F)
- **Display** : 10.2/7 inch wide color TFT LCD & GUI by touch screen
- **Wiring** : LAN (CAT. 5e)
- **Connector** : RS-485 or PLC
- **Image Record** : 128 cuts
- **On-screen duration** : 60±30 sec
- **Dimension** : 345 x 242 x 20 [61](mm)
- **Embedding box size** :

Features

- Three type of color adaptable in accordance with an interior
- GUI adaptable in accordance with users' taste.
- Remote control of device by Mobile, Internet.
- Notification of information in Complex (Public notice, Community)
- Connect to website only for Home network

Functions

- **Monitoring & talk** : Monitoring, Talk with a visitor, Monitoring a visitor in common entrance, Talk between households (Talk with video : optional), Bluetooth-Handy connection, Reviewing the image of a visitor when being away(Optional), Door lock release
- **Security** : Intruder alarm, Fire alarm, Gas leakage alarm, Connection of security company, Monitoring common area with video surveillance
- **Convenience function** : 1)Control function : A lighting influence one's sentiment, A gas Valve, A air Conditioner, A heating apparatus, All-put-out lights 2)Additional service(Optional) : Home intelligent appliances, Calling elevator, Unmanned home delivery, Speech recognition
- **Information display** : Voice Memo, Schedule Management, Address directory, Notice of arrival one's car. Weather information, Traffic information, Connection of parking intelligent system
- **Ventilation & healthcare service** : Ventilation control, Healthcare control.
- **Remote control** : Through Mobile, Internet, ARS, Web site(www.ruvie.co.kr)

Recommended Products

- Common entrance cameras

  DRC-600S DRC-500S DRC-600LC/RF DRC-500LC/RF

- Individual door cameras

  DRC-40CI(New) DRC-4CH DRC-40CS DRC-4CAN DRC-41CSN DRC-4CG

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Home Network System | Home Automation System | Multi Entry Strategy System | Video Door phone | TV Phone | Door Camera Unit | Door phone | Interphone & Intercom | Digital Door Lock

Home Network
COMMAX

Company Overview | New Products | **P** General Products

Home Network System
Home Automation System | Multi Entry Strategy System | Video Door phone | TV Phone | Door Camera Unit | Door phone | Interphone & Intercom | Digital Door Lock

Home Network System
WONDERFUL VIDEO/AUDIO QUALITY OVER 40 YEARS

CBH-100
Wireless Integrated Management Handy

CBH-100 is compatible with a wall-pad of home network, which controls devices in house and checks as well as talk visitor. Further to those functions, it is used as all-one remote controller for appliances in wireless.

SYSTEM DIAGRAM

- IR Sensor
- Magnetic Sensor
- Fire Sensor
- Boiler Controller
- Gas Detector
- Gas Valve Control
- Gas Controller
- Lighting Controller
- Curtain Controller
- Lighting Controller
- Bath Room
- CDP-1020A
- CBT-70
- Entrance
- DRC-4CH
- CDL-300RC
- CBH-100 Bluetooth Handy
- Bed Room
- Kitchen
- CKV-1020A
- Back Bone
- Out door
- WAP/WEB Server
- Parking Server
- Automatic Meter Reading Server
- Home-Delivery service Server
- Automatic Door
- DRC-500S Entrance Unit
- CDS-MVL Guard station
- Building Management Server

Specifications

- **Power** : DC4.2V
- **Temperature** : 0°C ~ +50°C (32°F ~ 122°F)
- **Display** : 2.2 inch color TFT LCD & GUI by screen
- **Wiring** : Wireless
- **Dimension**
  1)Handy : 194 x 53 x 28(mm)
  2)Base : 84 x 127 x 88(mm)

Features

- Visitor checking and talk with Common entrance, Individual door
- User friendly design and GUI
- Remote control of devices anywhere in house
- Intercommunication

Functions

- **Monitoring & talk** : Talk with a visitor, Monitoring a visitor in common entrance, Talk between households (Talk with video :optional), Door lock release
- **Security** : Intruder alarm, Fire alarm, Gas leakage alarm, Monitoring common area with video surveillance
- **Convenience function** : 1)Control function : A lighting influence one's sentiment, A gas Valve, A air Conditioner, A heating apparatus, All-put-out lights 2)Additional service(Optional) : Home intelligent appliances, Calling elevator, Unmanned home delivery
- **Information display** : Schedule Management, Notice of arrival one's car. Weather information, Phone book
- **Ventilation & healthcare service** : Ventilation control, Healthcare control

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CONNECTING DIAGRAM
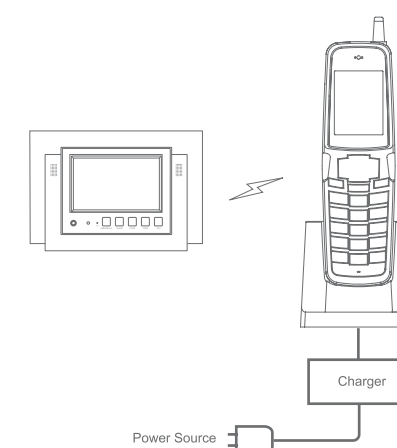
Charger

Power Source

Recommended Products

CDP-1020A | CDP-1020C | CDP-1020H/700H | CDP-700MTB/MTE

Home Network System
WONDERFUL VIDEO/AUDIO QUALITY OVER 40 YEARS

CDS-MVL
New Guard station

CDS-MVL is a LAN type guard station with 5" TFT color LCD to check a visitor at common entrance. It is a integrated control room to manage event situation effectively in complex.

SYSTEM DIAGRAM

CDP-1020H   CDP-1020H
CDP-1020C   CDP-1020C
CDS-MVL
CDP-1020A   CDP-1020A

DRC-600S

LAN

Specifications

- **Power source** : DC15V, 1.5A
- **Power supply** : SR819A
- **Temperature** : 0°C ~ +50°C (32°F ~ 122°F)
- **Display** : 5 inch color TFT LCD
- **Wiring** : LAN (CAT. 5e)
- **On-screen duration** : 60 $\pm$ 30 sec
- **Dimension** : 233 x 223 x 100(mm)

Features

- LAN type guard station
- Screening and talking with visitors at common entrance
- 5 inch LCD screen allows user to adjust angle for being able to monitor by optimal quality screen

Functions

- Calling and talking with household
- Calling and talking with household
- Parking management
- Screening and control over going outside
- Intercommunication between household
- Screening for delivery
- Emergency indication and screening inside house
- Telephone book

CONNECTING DIAGRAM

1:TX+
2:TX-
3:RX+
4:N/A
5:N/A
6:RX-
7:N/A
8:N/A

DEBUG
EXTERNAL CAMERA
DATA
ADAPTER
DC15V INPUT
LAN

Recommended Products

- Common entrance cameras

DRC-600S   DRC-500S

Home Network System
WONDERFUL VIDEO/AUDIO QUALITY OVER 40 YEARS

How to use
- Press the household number at the lobby, check the number on the display, and then press the ☐
- If you input a wrong number, press the ✕
- Program button is ☐
- If you want to call the guard room, press ☐ and then the ☐
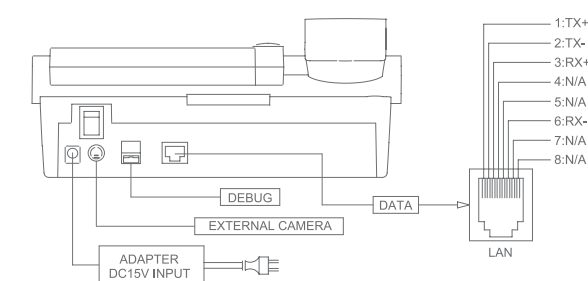
COMMAX

DRC-600S
New Lobby Phone

DRC-600S is a LAN type lobby phone which was designed by COMMAX's Know-how. Blue back light is applied to use at night and to focus its elegant design. Access by PIN, RF card as well as finger scan is applicable.

SYSTEM DIAGRAM

CDP-1020H   CDP-1020H
CDP-1020C   CDP-1020C
CDP-1020A   CDP-1020A
CDS-MVL
DRC-600S
LAN

Specifications

- **Power source** : DC14V, 3A
- **Mounting type** : Flush mounted type
- **Temperature** : -10°C ~ +50°C (14°F ~ 122°F)
- **Display** : 5 inch color TFT LCD
- **Wiring** : LAN (CAT. 5e)
- **Video and voice transmission way** : MPEG-4(Video) / G.729(Voice)
- **On-screen duration** : 60±30 sec
- **Dimension** : 212 x 362 x 22 [63](mm)
- **Embedding box size** :

Features

- LAN type lobby phone
- Multilingual support(Korean, English, Spanish, Russian)
- Access by pin, RF card, finger scan

Functions

- Monitoring and talk with a visitor
- Talk with guard station, door lock release
- Each pin setting per a house
- RF card and finger scanning setting

CONNECTING DIAGRAM

DOOR RELEASE — RED / BLUE / YELLOW
DEBUG — RED / BLUE / YELLOW
POWER (ADAPTER) (DC 14V/3A) — + 14V / GND

8 : N/A
7 : N/A
6 : RX-
5 : N/A
4 : N/A
3 : RX+
2 : TX-
2 : TX+
LAN

Recommended Products

CDP-1020A   CDP-1020C   CDP-1020H/700H   CDS-MVL
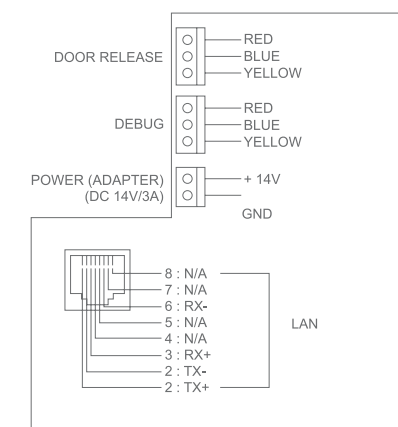
Home Network System
WONDERFUL VIDEO/AUDIO QUALITY OVER 40 YEARS

DRC-500S

Main entrance camera with RF-ID cards enables residents to come in and out without keys. Aluminum alloy is used to minimize damages from shock, contamination and decolorization.

Metallic material and minimalism design are applied.
Aluminum provides higher reliability.

SYSTEM DIAGRAM

CDP-1020H   CDP-1020H
CDP-1020C   CDP-1020C
CDP-1020A   CDP-1020A
CDS-MVL
DRC-500S

L

—— LAN

Specifications

- **Power source** : DC14V, 3A
- **Mounting type** : Flush mounted type
- **Temperature** : -10℃ ~ +50℃ (14℉ ~ 122℉)
- **Display** : 5 inch color TFT LCD
- **Wiring** : LAN (CAT. 5e)
- **Video and voice transmission way** : MPEG-4(Video) / G.729(Voice)
- **On-screen duration** : 60±30 sec
- **Dimension** : 250 x 276 x 12 [61](mm)
- **Embedding box size** :

Features

- LAN type lobby phone
- Multilingual support(Korean, English, Spanish, Russian)
- Access by pin, RF card, finger scan

Functions

- Monitoring and talk with a visitor
- Talk with guard station, door lock release
- Each pin setting per a house

CONNECTING DIAGRAM

8   HUB
Back Bone
Door   2
Power   +
AC

Recommended Products

CDP-1020A   CDP-1020C   CDP-1020H/700H   CDS-MVL

Home Network System
WONDERFUL VIDEO/AUDIO QUALITY OVER 40 YEARS

Home Network System / MTB

Home Network System
MTB
CONNECTING
DIAGRAM

CAV-40S — VD_OUT, VD_IN, GND, Talk, TRX-, TRX+

EST-200

CKV-51TS/71TS

EST-300 — GND, Power, Talk, TRX-, TRX+, TRX+

VD_OUT, TRX+, TRX-, GND, Talk, TRX-

TRX-, TRX+, GND, Power

1,2,3,4,5,6,7,8 RJ1
TEL(4,5)
CN1

EST-200 RJ8
TEL:4,5
EM:7,8

TV-PHONE
4,5:CONV
3:TR+
6:TR+
7:VD
8:GND

1,2,3,4,5,6,7,8 RJ10 RJ11
CAV-40S
4,5:CONV
3:TR-
6:TR+
7:VD
8:GND

EST-300

RJ12 **EST-300**

EST-300
1:13V
2:GND
4,5:CONV
3:TR-
6:TR+
7:EM_12V
8:EM_IN

CAMERA1
1: INT
2: GND
3: B+
4: BURG1_IN
5: BURG1_12V
6: VD
7: ANT1_1
8: ANT1_2

CAMERA2
1: INT
2: GND
3: B+
4: BURG2_IN
5: BURG2_12V
6: VD
7: ANT2_1
8: ANT2_2

8,7,6,5,4,3,2,1
RJ15
GAS
TR-
TR+
GND

EXT2(LAMP, BOILER,GAS) 3:B_RX, 6:A+_TX, 8(2):GND

RJ14
Boiler
TR-
TR+
GND

RJ13
LAMP 1
TR-
TR+
GND

CN10

BURG3~5
1,4 : 12V
2 : GND
3,5 : IN

EXT1 G T_+ R_-

FIRE(1,2) RJ4

CAMERA1
RJ2 8,7,6,5,4,3,2,1

RJ3 **CAMERA2**

BURG3
RJ5 8,7,6,5,4,3,2,1

BURG4
RJ6 8,7,6,5,4,3,2,1

BURG5
RJ7 8,7,6,5,4,3,2,1

Fire

GND Power

Burglar_1

COMMAX
Home Network

Home Network System
WONDERFUL VIDEO/AUDIO QUALITY OVER 40 YEARS

Home Network System

MTD
CONNECTING
DIAGRAM

Home Network System / MTD

LAMP 1 — GND / TRXA / TRXB

GAS — GND / TRXA / TRXB

Curtain — GND / TRXA / TRXB

LAMP 2 — GND / TRXA / TRXB

LAMP 3 — GND / TRXA / TRXB

Camera — INT / GND / Power / Video

Emergnecy Burglar_2 Burglar_1 GAS Burglar_1

DC14V/3A SPARE_UART SPARE COMM. GND TXD RXD

SENSOR TELEPHONE

HOME APPLIANCES CONTROL

EST-200 CKV-51TS/71TS

SLAVE V/P

GUARD LOBBY GUARD

GND DATA CONV3 CONV2 CONV1

CDS-MV Lobby phone Next generation wall pad

Lobby_Video_In Lobby_Video_Out Lobby_Video_In Lobby_Video_Out

GND Data Talk 3 Talk 2 Talk 1

VIDEO IN DOWN UP VIDEO OUT

Home Network System
WONDERFUL VIDEO/AUDIO QUALITY OVER 40 YEARS

Home Network System / MTE

Home Network System
MTE
CONNECTING
DIAGRAM

CAV-40S
TRX-
TRX+
Talk
GND
VD_IN
VD_OUT
VD_OUT

EST-300
TRX-
TRX+
Talk
Power
GND

Lobby_Video_Out
Lobby_Video_In

CDS-MV
Talk 1 Talk 2 Talk 3 Data GND

Next generation wall pad
Talk 1 Talk 2 Talk 3 Data GND

Lobby_Video_In
Lobby_Video_Out

TEL
Emergency
GAS
GND TR- TR+
Boiler
GND TR- TR+
LAMP 1
Power GND TR- TR+
LAMP 2(DC)
TRX- Power TRX+ GND

BURG
IN GND Power OUT

Talk with common entrance
Lobby phone
Fire

DDL
DOOR

Home
Automation
System

COMMAX home automation basically enables home automation function and provides video communication, various security system, alarm system, parking control system and remote control system implementing intelligent services and home automation connected with such devices as a lobby phone, a kitchen TV phone, a sub phone and a bathroom phone.

The home control function of the home automation system can enable video communications between residents, electricity control, lighting control and gas control by using various sensors. In addition, it can monitor visitors at any corner of the house by using a door camera.

Advanced security systems include crime prevention aimed to detect intruders through the use of magnetic sensors and motion detection sensors, gas leakage detection and fire detection sensors. It will keep your home safe by alerting a security company in case of emergency.

Home Network
COMMAX

Company Overview | New Products | **P** General Products

Home Network System
Home Automation System
Multi Entry Strategy System
Video Door phone
TV Phone
Door Camera Unit
Door phone
Interphone & Intercom
Digital Door Lock

Home Automation System
WONDERFUL VIDEO/AUDIO QUALITY OVER 40 YEARS

SYSTEM DIAGRAM

CAV-706D   CAV-706D

DRC-4CH   Household(500)   Household(500)

DRC-40CI   Household(2)   Household(2)

DRC-40CS   Household(1)   Household(1)

DRC-600LC/RF   DRC-500LC/RF   Automatic door

CDS-MV

2 Wire
4 Wire
8 Wire
Coaxial Cable

Specifications

- **Power source** : DC14.5V, 3A
- **Mounting type** : Flush mounted type
- **Temperature** : 0°C ~ +40°C (32°F ~ 104°F)
- **Display** : 7 inch wide color TFT LCD
- **Wiring** : Bus type with 12 wires(Lobby phone : 4 wires / Guard unit : 8 wires)
  Individual camera : 4 wires
- **Image Record** : 128 cuts
- **On-screen duration** : 60±30 sec
- **Dimension** : 308 x 200 x 20 [61](mm)
- **Embedding box size** :

Features

- ARS control(CAV-706IM)
- Record visitor's images(CAV-706M/MTM/IM)
- On screen display(OSD) interface(CAV-706IM)

Functions

- **Monitoring & talk** : Monitoring, Talk with a visitor, Monitoring a visitor in common entrance, Talk between households (Talk with video : optional), Compatible with 1.8GHz wireless telephone, Telephone function, Monitoring image of a visitor when being away, Door lock release
- **Security** : Intruder alarm, Fire alarm, Gas leakage alarm, Connection of security company
- **Convenience function** : All-put-out lights, Reviewing the alarm of a visitor when being away
- **Remote control** : ARS

CONNECTING DIAGRAM

Recommended Products

- Entrance units

DRC-600LC/RF   DRC-600LC   DRC-500LC/RF   DRC-500LC

- Individual camera units

DRC-40CI(New)   DRC-4CH   DRC-40CS   DRC-4CAN   DRC-41CSN   DRC-4CG

CAV-706D/706M /706MTM/706IM

Suitable for interior as picture frame type

COMMAX Home Automation is compatible with a lobby phone, a kitchen TV, sub-unit, bathroom unit , designed to run a intelligent service, such as the alarming of burglar, fire, gas leakage with various sensors as well as access control with a single-card.
Event is notified to guard station or refined security company automatically so that it makes your home life safe.
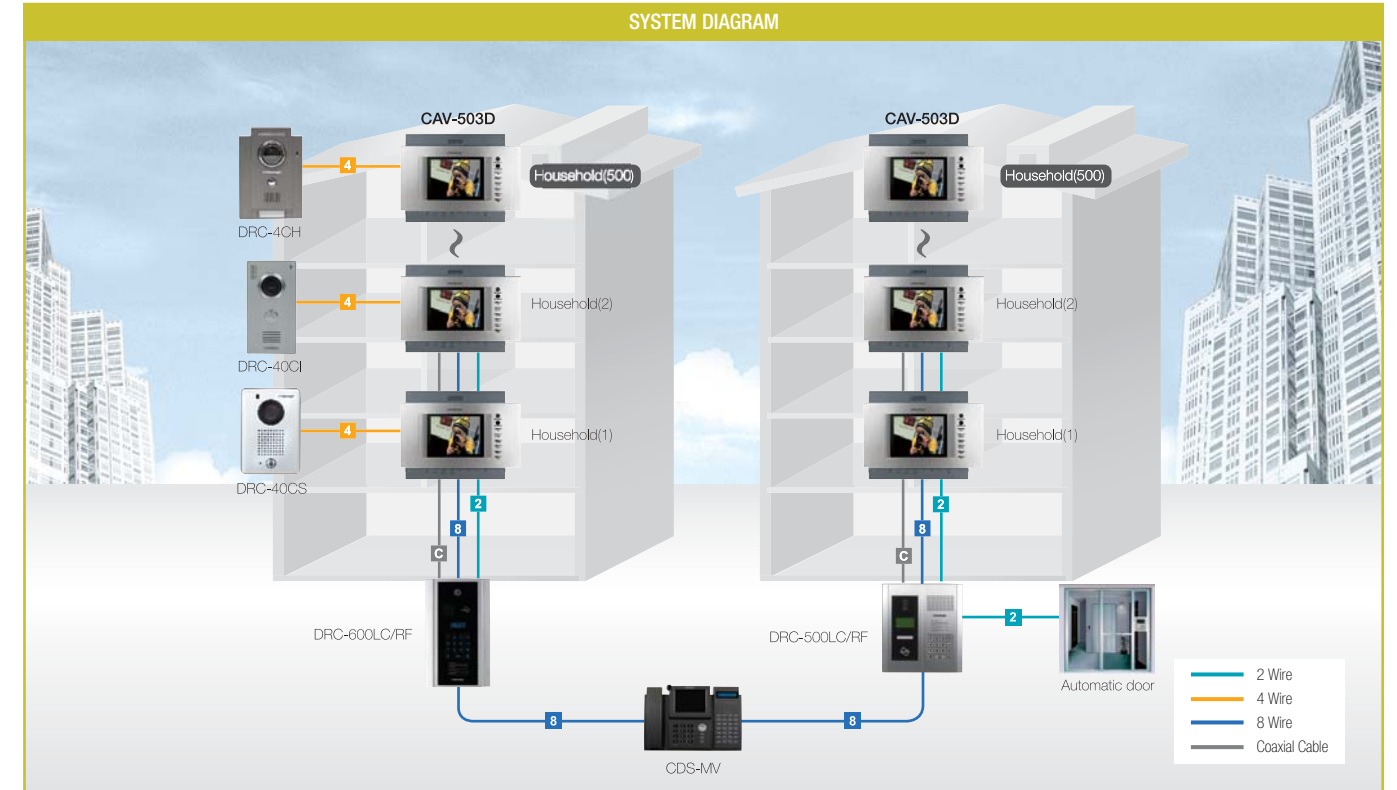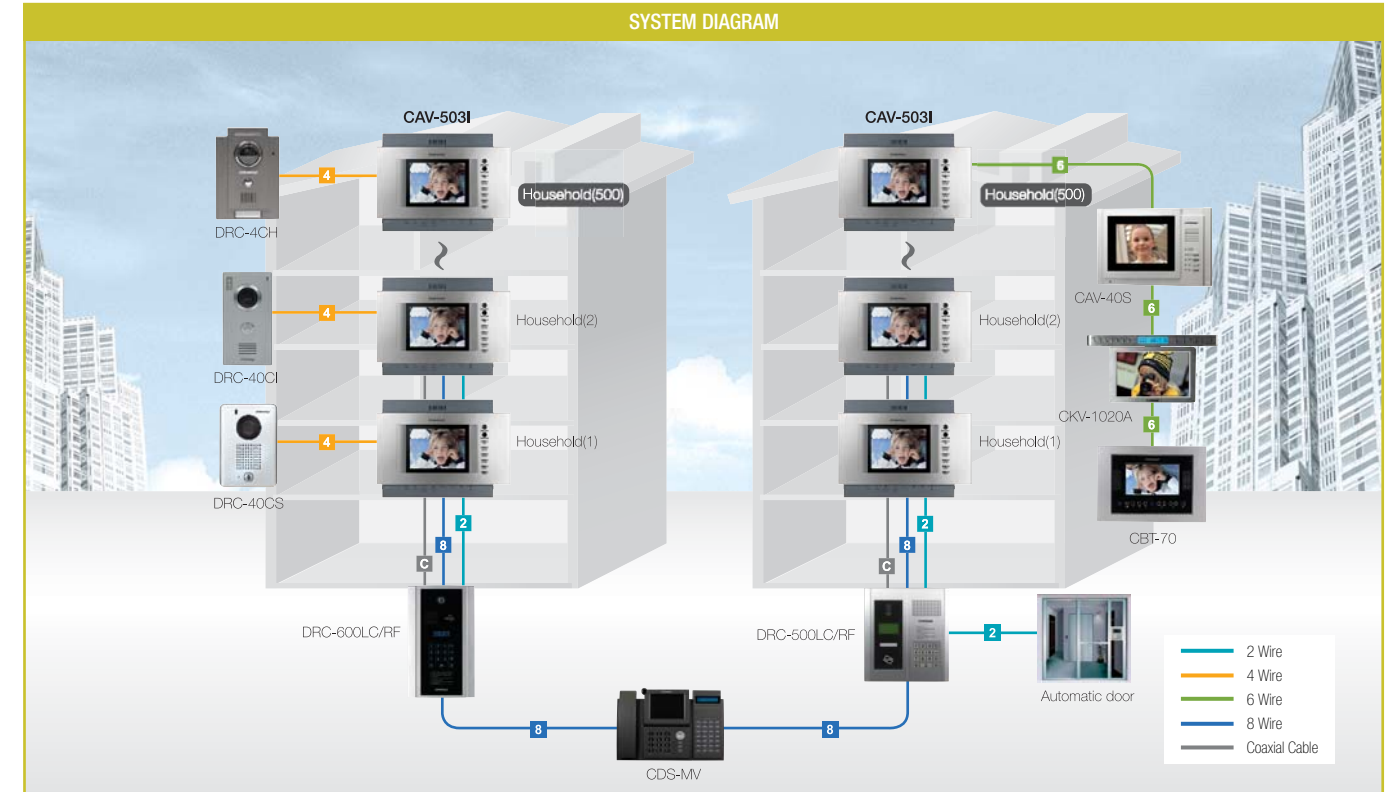
Home Automation System
WONDERFUL VIDEO/AUDIO QUALITY OVER 40 YEARS

CAV-501D

Best popular product

COMMAX Home Automation is compatible with a lobby phone, a kitchen TV, sub-unit, bathroom unit, designed to run a intelligent service, such as the alarming of burglar, fire, gas leakage with various sensors as well as access control with a single-card.
Event is notified to guard station or refined security company automatically so that it makes your home life safe.

SYSTEM DIAGRAM

CAV-501D   CAV-501D

Household(500)   Household(500)

DRC-4CH

Household(2)   Household(2)

DRC-40CI

Household(1)   Household(1)

DRC-40CS

DRC-600LC/RF   DRC-500LC/RF   Automatic door

CDS-MV

- 2 Wire
- 4 Wire
- 8 Wire
- Coaxial Cable

Specifications

- **Power source** : AC100-240V, 18W
- **Mounting type** : Flush mounted type
- **Temperature** : 0°C ~ +40°C (32°F ~ 104°F)
- **Display** : 5 inch color TFT LCD
- **Wiring** : Bus type with 12 wires(Lobby phone : 4 wires / Guard unit : 8 wires) Individual camera : 4 wires
- **On-screen duration** : 60 $\pm$ 30 sec
- **Dimension** : 263 x 220 x 23 [82](mm)
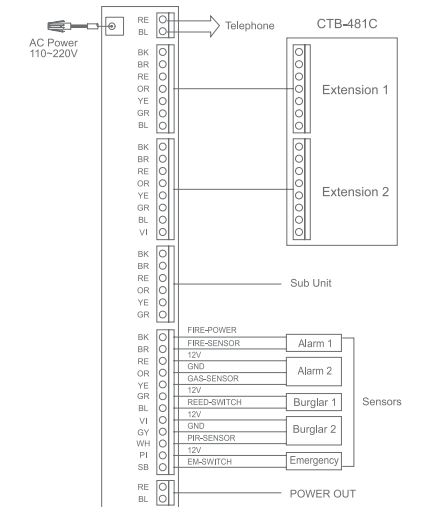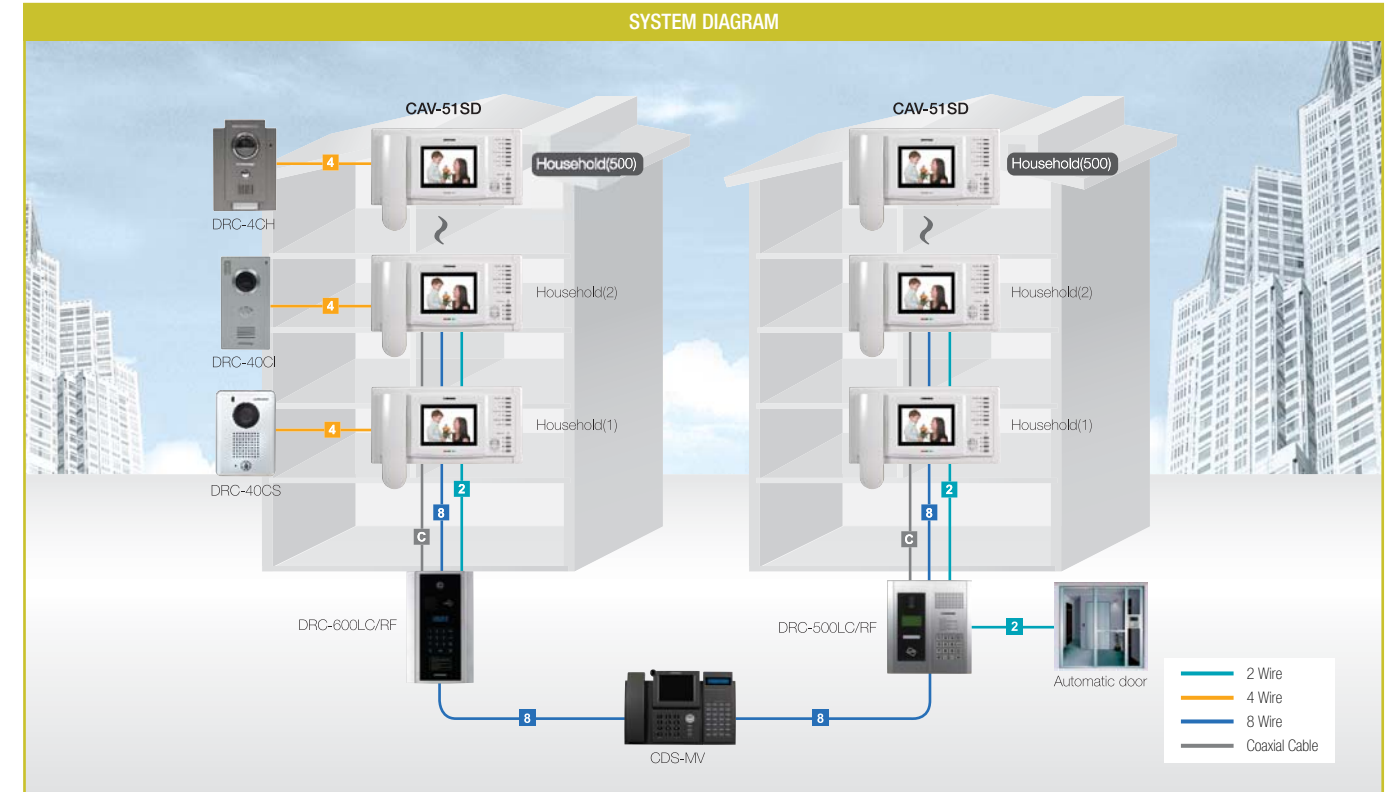- **Embedding box size** :

Features

- Compatible with 1.8GHz Wireless telephone (optional)
- Telephone function
- Simple operation though Buttons

Functions

- **Monitoring & talk** : Monitoring, Talk with a visitor, Monitoring a visitor in common entrance, Talk between households (Talk with video : optional), Compatible with 1.8GHz wireless telephone, Telephone function, Door lock release
- **Security** : Intruder alarm, Fire alarm, Gas leakage alarm

CONNECTING DIAGRAM

Recommended Products

- Entrance units

DRC-600LC/RF   DRC-600LC   DRC-500LC/RF   DRC-500LC

- Individual camera units

DRC-40CI(New)   DRC-4CH   DRC-40CS   DRC-4CAN   DRC-41CSN   DRC-4CG

Home Network
COMMAX

Company Overview | New Products | **P** General Products

Home Network System | Home Automation System | Multi Entry Strategy System | Video Door phone | TV Phone | Door Camera Unit | Door phone | Interphone & Intercom | Digital Door Lock

Home Automation System
WONDERFUL VIDEO/AUDIO QUALITY OVER 40 YEARS

SYSTEM DIAGRAM

CAV-502D | CAV-502D

Household(500)
Household(2)
Household(1)

DRC-4CH
DRC-40CI
DRC-40CS

DRC-600LC/RF | DRC-500LC/RF

Automatic door

CDS-MV

2 Wire
4 Wire
8 Wire
Coaxial Cable

Specifications

- **Power source** : AC100-240V, 18W
- **Mounting type** : Flush mounted type
- **Temperature** : 0°C ~ +40°C (32°F ~ 104°F)
- **Display** : 5 inch color TFT LCD
- **Wiring** : Bus type with 12 wires(Lobby phone : 4 wires / Guard unit : 8 wires)
  Individual camera : 4 wires
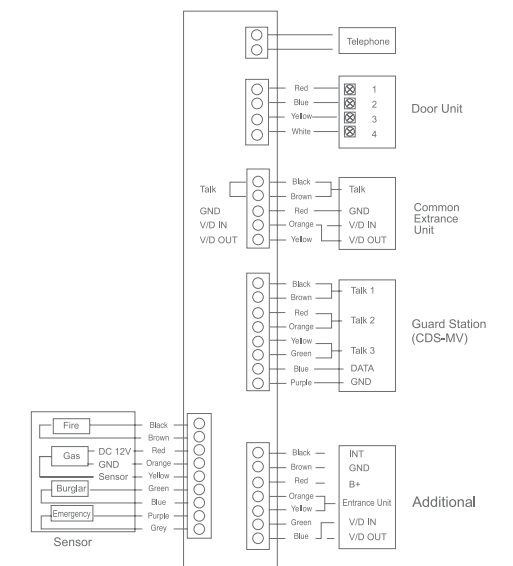- **On-screen duration** : 60 $\pm$ 30 sec
- **Dimension** : 310 x 208 x 32 [63](mm)
- **Embedding box size** :

Features

- Compatible with 1.8GHz Wireless telephone (optional)
- Telephone function
- Simple operation though Buttons

CONNECTING DIAGRAM

Power
Telephone
Door Unit
Common Extrance Unit
Guard Station (CDS-MV)
Sensors
Fire
Gas
Burglar 1
Burglar 2
Emergency
Power Out
Additional

Functions

- **Monitoring & talk** : Monitoring, Talk with a visitor, Monitoring a visitor in common entrance, Talk between households (Talk with video : optional), Compatible with 1.8GHz wireless telephone, Receiving a telephone call, Door lock release
- **Security** : Intruder alarm, Fire alarm, Gas leakage alarm

Recommended Products

- Entrance units

DRC-600LC/RF | DRC-600LC | DRC-500LC/RF | DRC-500LC

- Individual camera units

DRC-40CI(New) | DRC-4CH | DRC-40CS | DRC-4CAN | DRC-41CSN | DRC-4CG

CAV-502D
Best popular product

COMMAX Home Automation is compatible with a lobby phone, a kitchen TV, sub-unit, bathroom unit , designed to run a intelligent service, such as the alarming of burglar, fire, gas leakage with various sensors as well as access control with a single-card.
Event is notified to guard station or refined security company automatically so that it makes your home life safe.

Home Network System

Home Automation System

Multi Entry Strategy System

Video Door phone

TV Phone

Door Camera Unit

Door phone

Interphone & Intercom

Digital Door Lock

Home Network
COMMAX

Home Automation System
WONDERFUL VIDEO/AUDIO QUALITY OVER 40 YEARS

CAV-502IM /702IM
Best popular product

COMMAX Home Automation is compatible with a lobby phone, a kitchen TV, sub-unit, bathroom unit , designed to run a intelligent service, such as the alarming of burglar, fire, gas leakage with various sensors as well as access control with a single-card.
Event is notified to guard station or refined security company automatically so that it makes your home life safe.

SYSTEM DIAGRAM

CAV-502IM/702IM   CAV-502IM/702IM

DRC-4CH   Household(500)   Household(500)   CAV-40S

DRC-40CI   Household(2)   Household(2)   CKV-1020A

DRC-40CS   Household(1)   Household(1)   CBT-70

DRC-600LC/RF   DRC-500LC/RF   Automatic door

CDS-MV

2 Wire
4 Wire
6 Wire
8 Wire
Coaxial Cable

Specifications

- **Power source** : DC14V, 3A
- **Mounting type** : Flush mounted type
- **Temperature** : 0°C ~ +40°C (32°F ~ 104°F)
- **Display** : 5 inch / 7 inch wide color TFT LCD
- **Wiring** : Bus type with 12 wires(Lobby phone : 4 wires / Guard unit : 8 wires) Individual camera : 4 wires
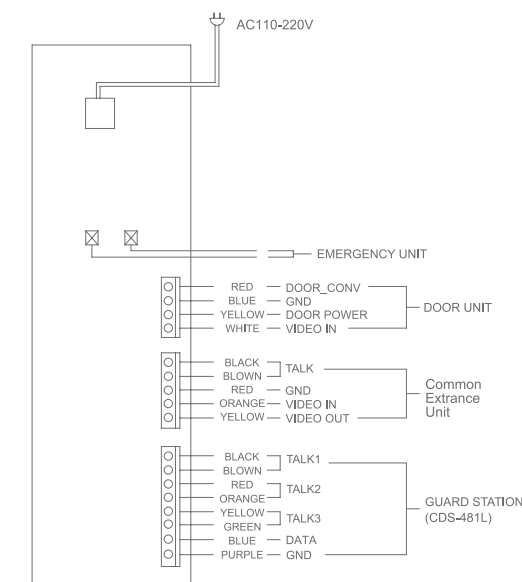- **On-screen duration** : 60 ± 30 sec
- **Dimension** : 310 x 208 x 32 [63](mm)
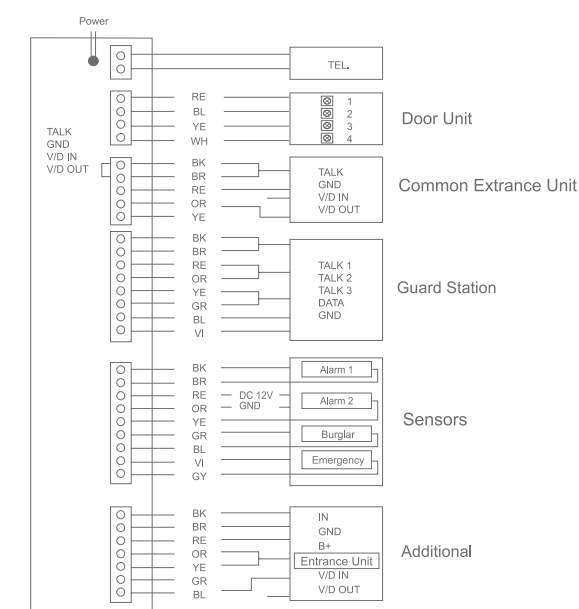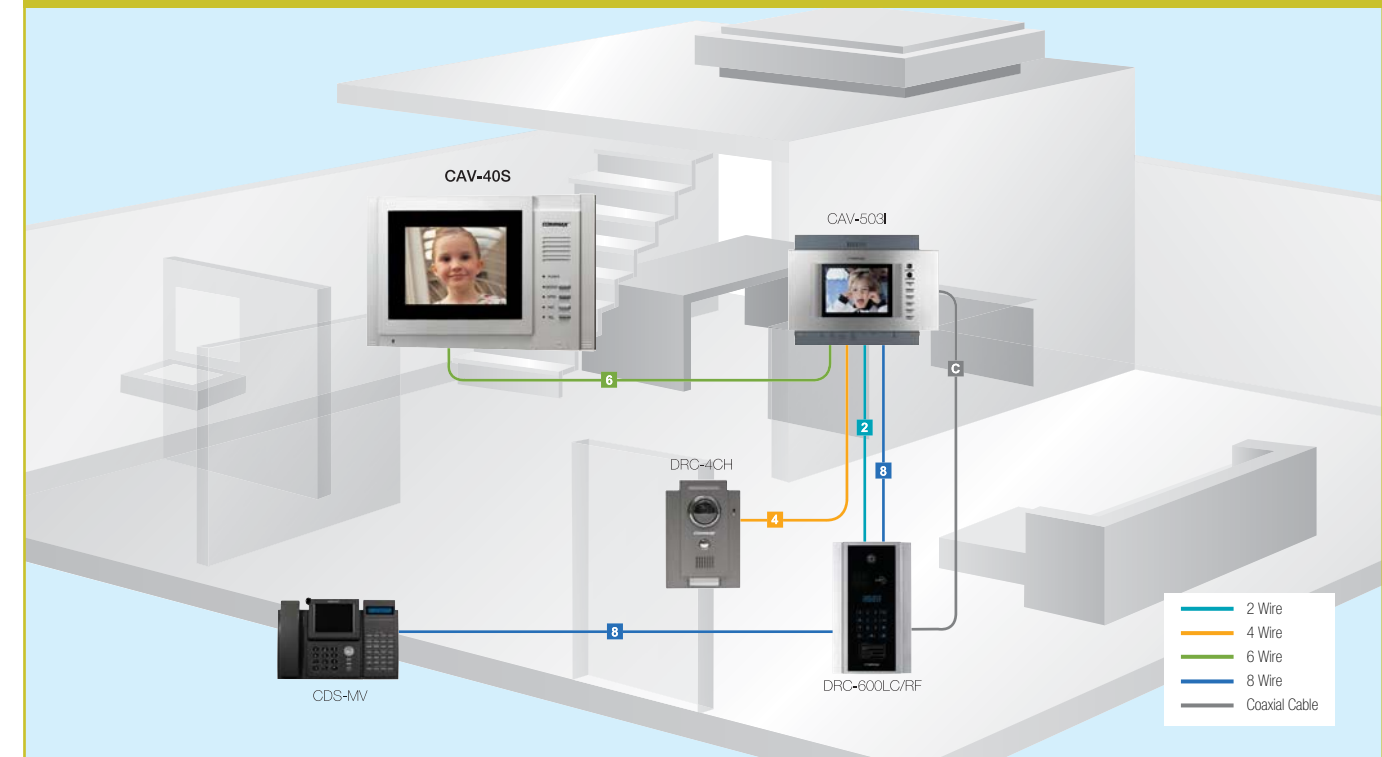- **Embedding box size** :

Features

- Lighting control by ARS
- Multilingual support(Korean, English, Russian)
- Record visitor's images
- On screen display(OSD) interface

Functions

- **Monitoring & talk** : Monitoring, Talk with a visitor, Monitoring a visitor in common entrance, Talk between households (Talk with video : optional, Telephone function, Monitoring image of a visitor when being away, Door lock release
- **Security** : Intruder alarm, Fire alarm, Gas leakage alarm, Connection of security company
- **Convenience function** : All-put-out lights, Reviewing the alarm of a visitor when being away, OSD menu control
- **Remote control** : ARS

CONNECTING DIAGRAM

CAV-502IM

Ex1 <7 PIN>
Ex2 <8 PIN>

CTB-481C

RS-485+(B)
RS-485+(A)

VIDEO OUT

BLACK
BLOWN
RED
ORANGE
YELLOW
GREEN

RS-485+(B)
RS-485+(A)
TALK
GND
VIDEO IN

SLAVE

RED / BLUE — DC13.5V / GND — POWER OUT MAX 350mA
RED / BLUE / YELLOW — RS-485+(B) / RS-485+(A) / GND — LIGHT CONTROL
RED / BLUE — DC14V/2.5A / GND — POWER INPUT

SENSOR
GND
DC12V(+)

EMERGENCY
BURGLAR2
BURGLAR1

SENSOR
GND
DC12V(+)

ALARM2
ALARM1

SENSOR

Recommended Products

- Entrance units

DRC-600LC/RF   DRC-600LC   DRC-500LC/RF   DRC-500LC

- Individual camera units

DRC-40CI(New)   DRC-4CH   DRC-40CS   DRC-4CAN   DRC-41CSN   DRC-4CG

Home Automation System
WONDERFUL VIDEO/AUDIO QUALITY OVER 40 YEARS

Home Network System

Home Automation System

Multi Entry Strategy System

Video Door phone

TV Phone

Door Camera Unit

Door phone

Interphone & Intercom

Digital Door Lock

SYSTEM DIAGRAM

CAV-503D   CAV-503D

DRC-4CH   Household(500)   Household(500)

DRC-40CI   Household(2)   Household(2)

DRC-40CS   Household(1)   Household(1)

DRC-600LC/RF   DRC-500LC/RF

Automatic door

2 Wire
4 Wire
8 Wire
Coaxial Cable

CDS-MV

CAV-503D
Best popular product

COMMAX Home Automation is compatible with a lobby phone,
a kitchen TV, sub-unit, bathroom unit , designed to run a intelligent
service, such as the alarming of burglar, fire, gas leakage with various
sensors as well as access control with a single-card.
Event is notified to guard station or refined security company
automatically so that it makes your home life safe.

Specifications

- **Power source** : AC100-240V, 18W
- **Mounting type** : Flush mounted type
- **Temperature** : 0°C ~ +40°C (32°F ~ 104°F)
- **Display** : 5 inch color TFT LCD
- **Wiring** : Bus type with 12 wires(Lobby phone : 4 wires / Guard unit : 8 wires)
  Individual camera : 4 wires
- **On-screen duration** : 60 ± 30 sec
- **Dimension** : 279 x 205 x 17 [82](mm)
- **Embedding box size** :

Features

- Compatible with 1.8GHz Wireless telephone (optional)
- Telephone function
- Simple operation though Buttons

Functions

- **Monitoring & talk** : Monitoring, Talk with a visitor, Monitoring a visitor in
  common entrance, Talk between households (Talk with video : optional),
  Compatible with 1.8GHz wireless telephone, Receiving a telephone call,
  Door lock release
- **Security** : Intruder alarm, Fire alarm, Gas leakage alarm

CONNECTING DIAGRAM

AC100~220V
50/60Hz

CAV-503D

CTB-481M
(Wiring Board)

POWER OUT
DC 13.5V / 350mA

Recommended Products

- Entrance units

DRC-600LC/RF   DRC-600LC   DRC-500LC/RF   DRC-500LC

- Individual camera units

DRC-40CI(New)   DRC-4CH   DRC-40CS   DRC-4CAN   DRC-41CSN   DRC-4CG

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Home Automation System
WONDERFUL VIDEO/AUDIO QUALITY OVER 40 YEARS

Home Network System

Home Automation System

Multi Entry Strategy System

Video Door phone

TV Phone

Door Camera Unit

Door phone

Interphone & Intercom

Digital Door Lock

CAV-503I
Best popular product

COMMAX Home Automation is compatible with a lobby phone,
a kitchen TV, sub-unit, bathroom unit , designed to run a intelligent
service, such as the alarming of burglar, fire, gas leakage with various
sensors as well as access control with a single-card.
Event is notified to guard station or refined security company
automatically so that it makes your home life safe.

EMERGENCY
CANCEL/RESET
AWAY
DOOR
TEL
GUARD
OPEN
TALK

SYSTEM DIAGRAM

CAV-503I CAV-503I

DRC-4CH Household(500) Household(500) CAV-40S
DRC-40CI Household(2) Household(2) CKV-1020A
DRC-40CS Household(1) Household(1) CBT-70

DRC-600LC/RF DRC-500LC/RF Automatic door

CDS-MV

2 Wire
4 Wire
6 Wire
8 Wire
Coaxial Cable

Specifications

- **Power source** : AC100-240V, 18W
- **Mounting type** : Flush mounted type
- **Temperature** : 0°C ~ +40°C (32°F ~ 104°F)
- **Display** : 5 inch color TFT LCD
- **Wiring** : Bus type with 12 wires(Lobby phone : 4 wires / Guard unit : 8 wires)
  Individual camera : 4 wires
- **On-screen duration** : 60 ± 30 sec
- **Dimension** : 279 x 205 x 17 [82](mm)
- **Embedding box size** :

Features

- Sub unit compatible(max 3 units)
- Compatible with 1.8GHz Wireless telephone(optional)

Functions

- **Monitoring & talk** : Monitoring, Talk with a visitor, Monitoring a visitor in
  common entrance, Talk between households(Talk with video : optional),
  Compatible with 1.8GHz wireless telephone, Receiving a telephone call,
  Door lock release
- **Security** : Intruder alarm, Fire alarm, Gas leakage alarm

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CONNECTING DIAGRAM

AC Power 110-220V Telephone CTB-481C
Extension 1
Extension 2
Sub Unit

FIRE-POWER
FIRE-SENSOR Alarm 1
12V
GND Alarm 2
GAS-SENSOR
12V
REED-SWITCH Burglar 1 Sensors
12V
GND Burglar 2
PIR-SENSOR
12V
EM-SWITCH Emergency

POWER OUT

Recommended Products

- Entrance units

DRC-600LC/RF DRC-600LC DRC-500LC/RF DRC-500LC

- Individual camera units

DRC-40CI(New) DRC-4CH DRC-40CS DRC-4CAN DRC-41CSN DRC-4CG

- Sub units

CAV-502S CAV-40S CKV-1020A CBT-70 EST-400T

Home Automation System
WONDERFUL VIDEO/AUDIO QUALITY OVER 40 YEARS

CAV-51SD
Surface mount type product

COMMAX Home Automation is compatible with a lobby phone, a kitchen TV, sub-unit, bathroom unit , designed to run a intelligent service, such as the alarming of burglar, fire, gas leakage with various sensors as well as access control with a single-card.
Event is notified to guard station or refined security company automatically so that it makes your home life safe.

SYSTEM DIAGRAM

CAV-51SD   CAV-51SD

DRC-4CH   Household(500)   Household(500)

DRC-40CI   Household(2)   Household(2)

DRC-40CS   Household(1)   Household(1)

DRC-600LC/RF   DRC-500LC/RF   Automatic door

CDS-MV

- 2 Wire
- 4 Wire
- 8 Wire
- Coaxial Cable

Specifications

- **Power source** : AC100-240V, 18W
- **Mounting type** : Wall surface mounted type
- **Temperature** : 0°C ~ +40°C (32°F ~ 104°F)
- **Display** : 5 inch color TFT LCD
- **Wiring** : Bus type with 12 wires(Lobby phone : 4 wires / Guard unit : 8 wires) Individual camera : 4 wires
- **On-screen duration** : 60 ± 30 sec
- **Dimension** : 323 x 165 x 56(mm)

Features

- Wall surface mount type home automation
- Simple operation though Buttons

Functions

- **Monitoring & talk** : Monitoring, Talk with a visitor, Monitoring a visitor in common entrance, Talk between households (Talk with video : optional), Compatible with 1.8GHz wireless telephone, Receiving a telephone call, Door lock release
- **Security** : Intruder alarm, Fire alarm, Gas leakage alarm

CONNECTING DIAGRAM

Telephone

Door Unit

Common Entrance Unit

Guard Station (CDS-MV)

Sensor

Additional

Recommended Products

- Entrance units

DRC-600LC/RF   DRC-600LC   DRC-500LC/RF   DRC-500LC

- Individual camera units

DRC-40CI(New)   DRC-4CH   DRC-40CS   DRC-4CAN   DRC-41CSN   DRC-4CG

Home Network System | Home Automation System | Multi Entry Strategy System | Video Door phone | TV Phone | Door Camera Unit | Door phone | Interphone & Intercom | Digital Door Lock

Home Automation System
WONDERFUL VIDEO/AUDIO QUALITY OVER 40 YEARS

APV-481L
Surface mount type product

COMMAX Home Automation is compatible with a lobby phone, a kitchen TV, sub-unit, bathroom unit , designed to run a intelligent service, such as the alarming of burglar, fire, gas leakage with various sensors as well as access control with a single-card.
Event is notified to guard station or refined security company automatically so that it makes your home life safe.

SYSTEM DIAGRAM

APV-481L Household(500)
DRC-40BS
APV-481L Household(500)

DRC-4BH Household(2)
Household(2)

DRC-4BG Household(1)
Household(1)

DRC-600L/RF DRC-500L/RF
Automatic door
C C

CDS-481L

2 Wire
4 Wire
8 Wire
Coaxial Cable

○ Specifications

- **Power source** : AC100-240V, 18W
- **Mounting type** : Wall surface mounted type
- **Temperature** : 0°C ~ +40°C (32°F ~ 104°F)
- **Display** : 4 inch black & white flat CRT
- **Wiring** : Bus type with 12 wires(Lobby phone : 4 wires / Guard unit : 8 wires)
  Individual camera : 4 wires
- **On-screen duration** : 60 ± 30 sec
- **Dimension** : 213 x 220 x 58(mm)

○ Features

- Wall surface mount type home automation
- Simple operation though buttons
- Emergency call to guard unit

○ Functions

- **Monitoring & talk** : Monitoring, Talk with a visitor, Monitoring a visitor in common entrance, Talk between households (Talk with video : optional), Telephone function, Door lock release
- **Security** : Intruder alarm, Fire alarm, Gas leakage alarm

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CONNECTING DIAGRAM

AC110-220V

EMERGENCY UNIT

RED — DOOR_CONV
BLUE — GND
YELLOW — DOOR POWER
WHITE — VIDEO IN
DOOR UNIT

BLACK
BLOWN — TALK
RED — GND
ORANGE — VIDEO IN
YELLOW — VIDEO OUT
Common Extrance Unit

BLACK — TALK1
BLOWN
RED — TALK2
ORANGE
YELLOW — TALK3
GREEN
BLUE — DATA
PURPLE — GND
GUARD STATION (CDS-481L)

○ Recommended Products

- Entrance units

  DRC-600L/RF DRC-600L DRC-500L/RF DRC-500L

- Individual camera units

  DRC-40P DRC-4BP DRC-4BH DRC-40BS DRC-4BAN DRC-4BSN DRC-4BG

Home Network System | Home Automation System | Multi Entry Strategy System | Video Door phone | TV Phone | Door Camera Unit | Door phone | Interphone & Intercom | Digital Door Lock

Home Automation System
WONDERFUL VIDEO/AUDIO QUALITY OVER 40 YEARS

CH-481SL
Flush mount type product

COMMAX Home Automation is compatible with a lobby phone,
a kitchen TV, sub-unit, bathroom unit , designed to run a intelligent
service, such as the alarming of burglar, fire, gas leakage with various
sensors as well as access control with a single-card.
Event is notified to guard station or refined security company
automatically so that it makes your home life safe.

SYSTEM DIAGRAM

- 2 Wire
- 4 Wire
- 8 Wire
- Coaxial Cable
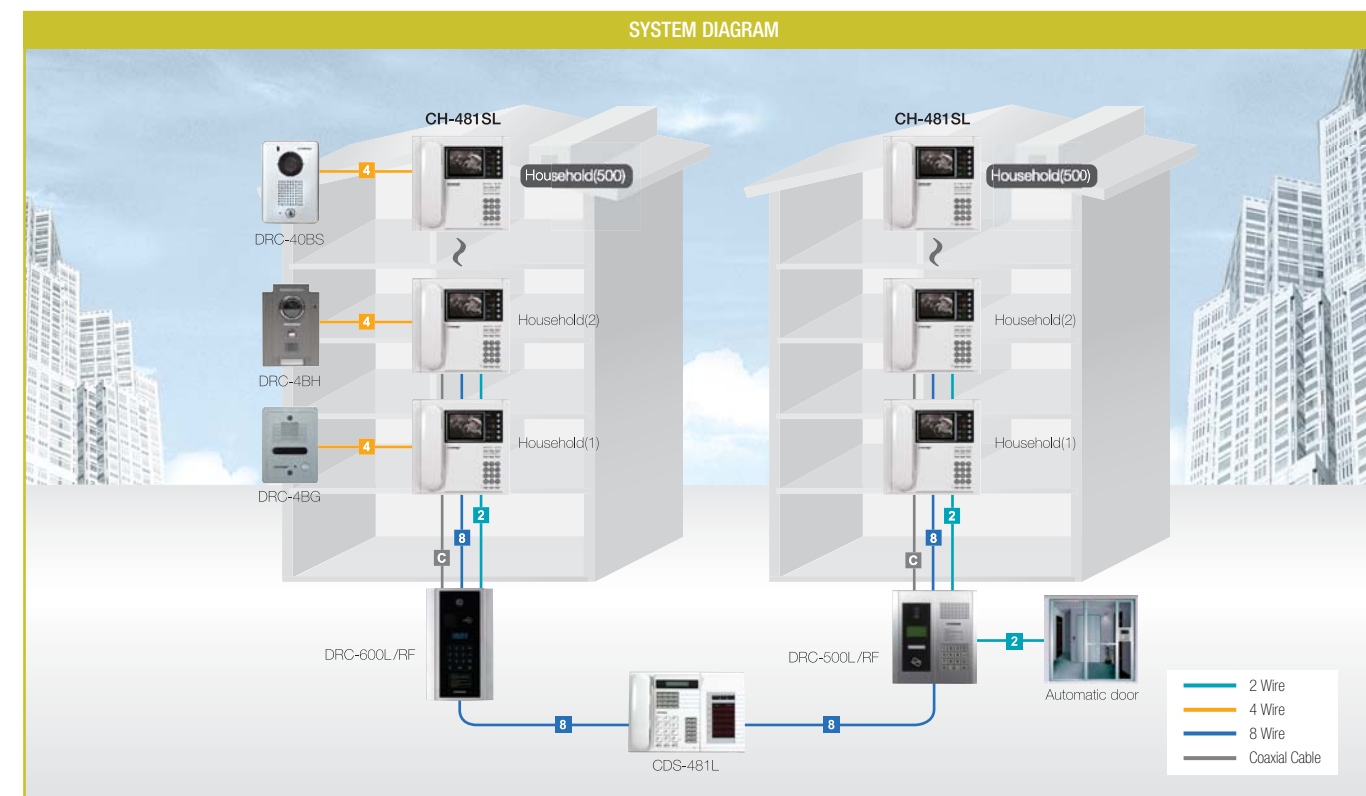
Specifications

- **Power source** : AC100-240V, 18W
- **Mounting type** : Flush mounted type
- **Temperature** : 0°C ~ +40°C (32°F ~ 104°F)
- **Display** : 4 inch black & white flat CRT
- **Wiring** : Bus type with 12 wires(Lobby phone : 4 wires / Guard unit : 8 wires)
  Individual camera : 4 wires
- **On-screen duration** : 60 ± 30 sec
- **Dimension** : 255 x 250 x 21 [66](mm)
- **Embedding box size** :

Features

- Simple operation though buttons
- Emergency call to guard unit

Functions

- **Monitoring & talk** : Monitoring, Talk with a visitor, Monitoring a visitor in
  common entrance, Talk between households (Talk with video : optional),
  Telephone function, Door lock release
- **Security** : Intruder alarm, Fire alarm, Gas leakage alarm

CONNECTING DIAGRAM

Recommended Products

- Entrance units

  DRC-600L/RF   DRC-600L   DRC-500L/RF   DRC-500L

- Individual camera units

  DRC-40P   DRC-4BP   DRC-4BH   DRC-40BS   DRC-4BAN   DRC-4BSN   DRC-4BG

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Home Network System
Home Automation System
Multi Entry Strategy System
Video Door phone
TV Phone
Door Camera Unit
Door phone
Interphone & Intercom
Digital Door Lock

Home Network System

Home Automation System

Multi Entry Strategy System

Video Door phone

TV Phone

Door Camera Unit

Door phone

Interphone & Intercom

Digital Door Lock

Home Automation System
WONDERFUL VIDEO/AUDIO QUALITY OVER 40 YEARS

CAV-40S
Slave phone

COMMAX Home Automation is compatible with a lobby phone,
a kitchen TV, sub-unit, bathroom unit , designed to run a intelligent
service, such as the alarming of burglar, fire, gas leakage with various
sensors as well as access control with a single-card.
Event is notified to guard station or refined security company
automatically so that it makes your home life safe.

SYSTEM DIAGRAM

CAV-40S

CAV-503I

DRC-4CH

CDS-MV

DRC-600LC/RF

2 Wire
4 Wire
6 Wire
8 Wire
Coaxial Cable

Specifications

- **Power source** : AC100-240V, 18W
- **Mounting type** : Flush mounted type
- **Temperature** : 0°C ~ +40°C (32°F ~ 104°F)
- **Display** : 4 inch color TFT LCD
- **Wiring** : Bus type with 6 wires
- **On-screen duration** : 60±30 sec
- **Dimension** : 216 x 140 x 17 [72](mm)
- **Embedding box size** :

Functions

- Sub unit for home network & home automation
- Bathroom usage only with waterproof/moisture proof feature
- Telephone function
- Emergency call
- Talk with a visitor
- Monitoring a visitor in common entrance

CONNECTING DIAGRAM

CAV-40S   CAV-503I

BK   RS485-(B)   1
BR   RS485+(A)   2
RE   3
OR   4   TALK
YE   GND   5
GR   V/D IN   6   VIDEO OUT
BL   V/D OUT

Power

Recommended Products

- Home network

CDP-1020A   CDP-1020C   CDP-1020H/700H

- Home automation

CAV-503I   CAV-502IM/702IM

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Home Automation System
WONDERFUL VIDEO/AUDIO QUALITY OVER 40 YEARS

Home Network System

Home Automation System

Multi Entry Strategy System

Video Door phone

TV Phone

Door Camera Unit

Door phone

Interphone & Intercom

Digital Door Lock
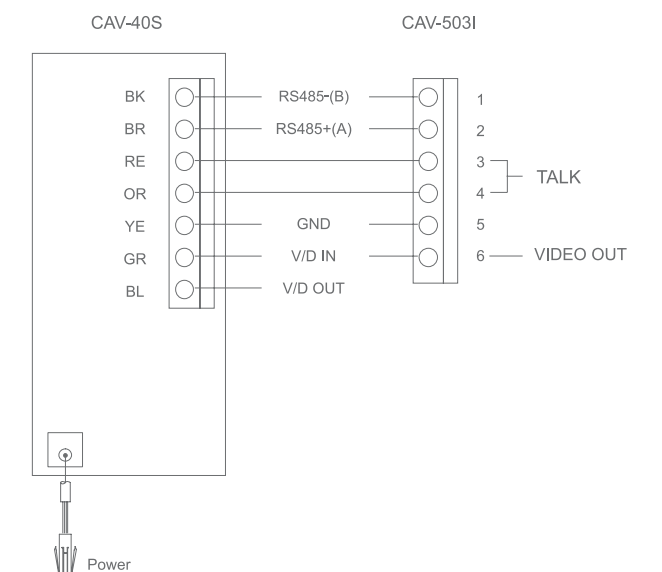
CBT-70
Water proof TV with flush mount type

COMMAX Home Automation is compatible with a lobby phone,
a kitchen TV, sub-unit, bathroom unit , designed to run a intelligent
service, such as the alarming of burglar, fire, gas leakage with various
sensors as well as access control with a single-card.
Event is notified to guard station or refined security company
automatically so that it makes your home life safe.

SYSTEM DIAGRAM

CDP-1020A

CBT-70

DRC-4CH

CDS-MV

DRC-600LC/RF

4 Wire
6 Wire
8 Wire
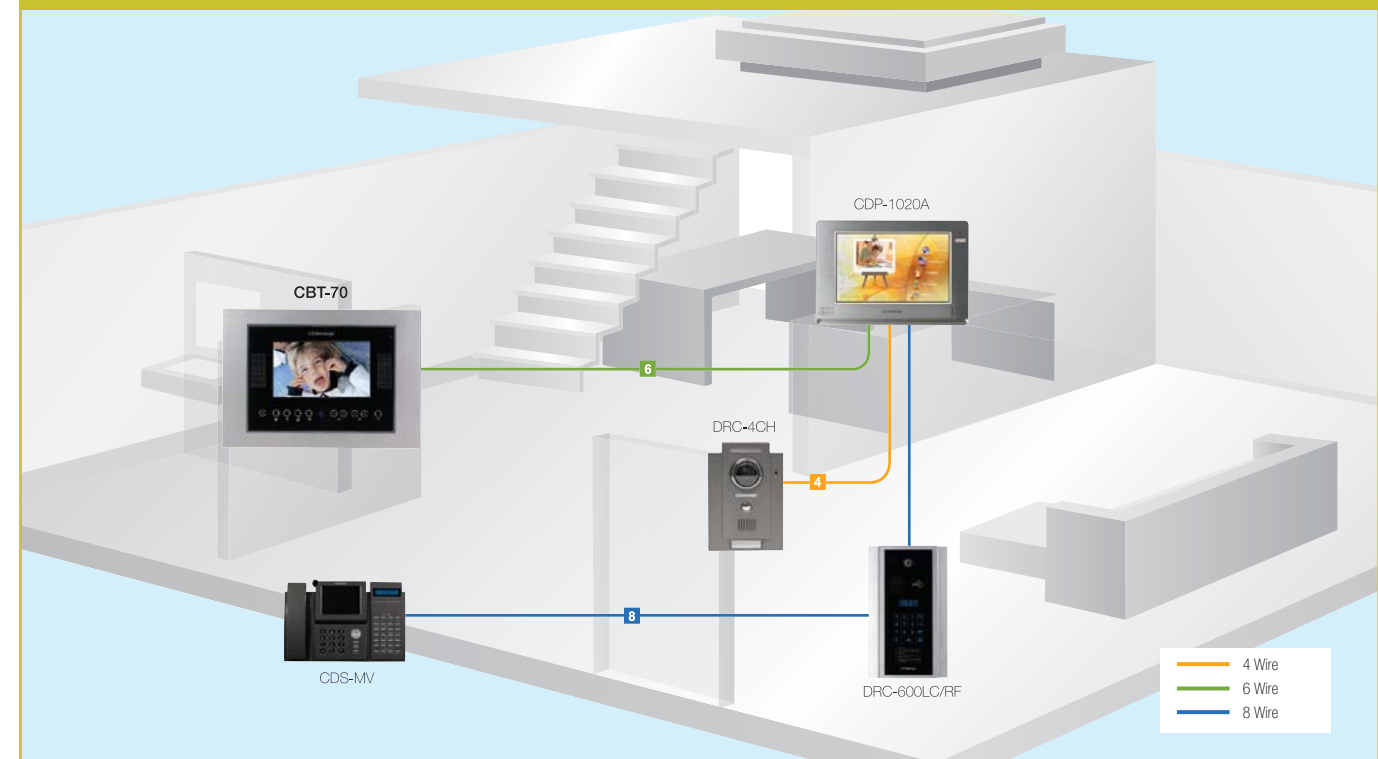
Specifications

- **Power source** : AC100-240V, 18W
- **Mounting type** : Flush mounted type
- **Temperature** : 0°C ~ +40°C (32°F ~ 104°F)
- **Display** : 7 inch wide color TFT LCD
- **Wiring** : Bus type with 6 wires
- **On-screen duration** : 60 $\pm$ 30 sec
- **Dimension** : 328 x 231 x 18 [76](mm)
- **Embedding box size** :

Functions

- Sub unit for home network & home automation
- Bathroom usage only with waterproof/moisture proof feature
- Receiving a telephone call
- Emergency call
- Talk with a visitor
- Monitoring a visitor in common entrance
- TV watching
- Available TV watching at various angles(Vertical 45°/ Horizontal 160°)

Recommended Products

- Home network

    CDP-1020A   CDP-1020C   CDP-1020H/700H

- Home automation

    CAV-503I   CAV-502IM/702IM

CONNECTING DIAGRAM

TV-ANT   TEL Line   Adapter

Data Line

Home Automation System
WONDERFUL VIDEO/AUDIO QUALITY OVER 40 YEARS

Home Network System

Home Automation System

Multi Entry Strategy System

Video Door phone

TV Phone

Door Camera Unit

Door phone

Interphone & Intercom

Digital Door Lock

SYSTEM DIAGRAM

CAV-503I
CAV-503I
DRC-4CH
CKV-1020A
DRC-600LC/RF
DRC-500LC/RF
Automatic door
CDS-MV

2 Wire
4 Wire
6 Wire
8 Wire
Coaxial Cable
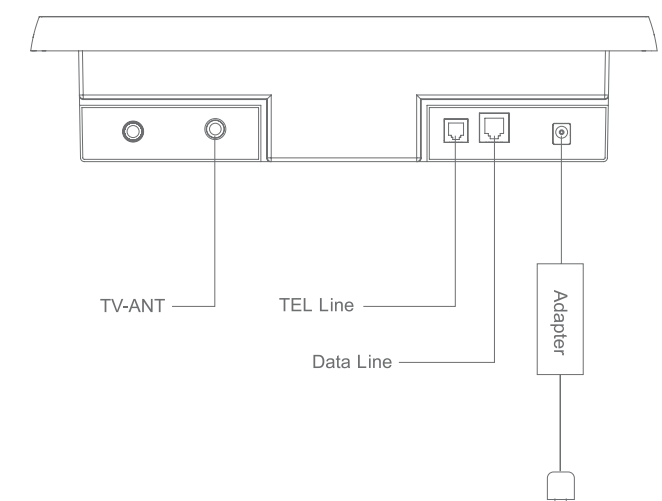
CDS-MV

Video monitoring and conversation at main entrance, by using 5" LCD

CDS-MV is designed to strengthen the security of multi-residential complexes, and allows to talk with visitors, who are at main common entrance.
The station also is designed to control and manage various big public events, which may be hold inside of residential complexes.
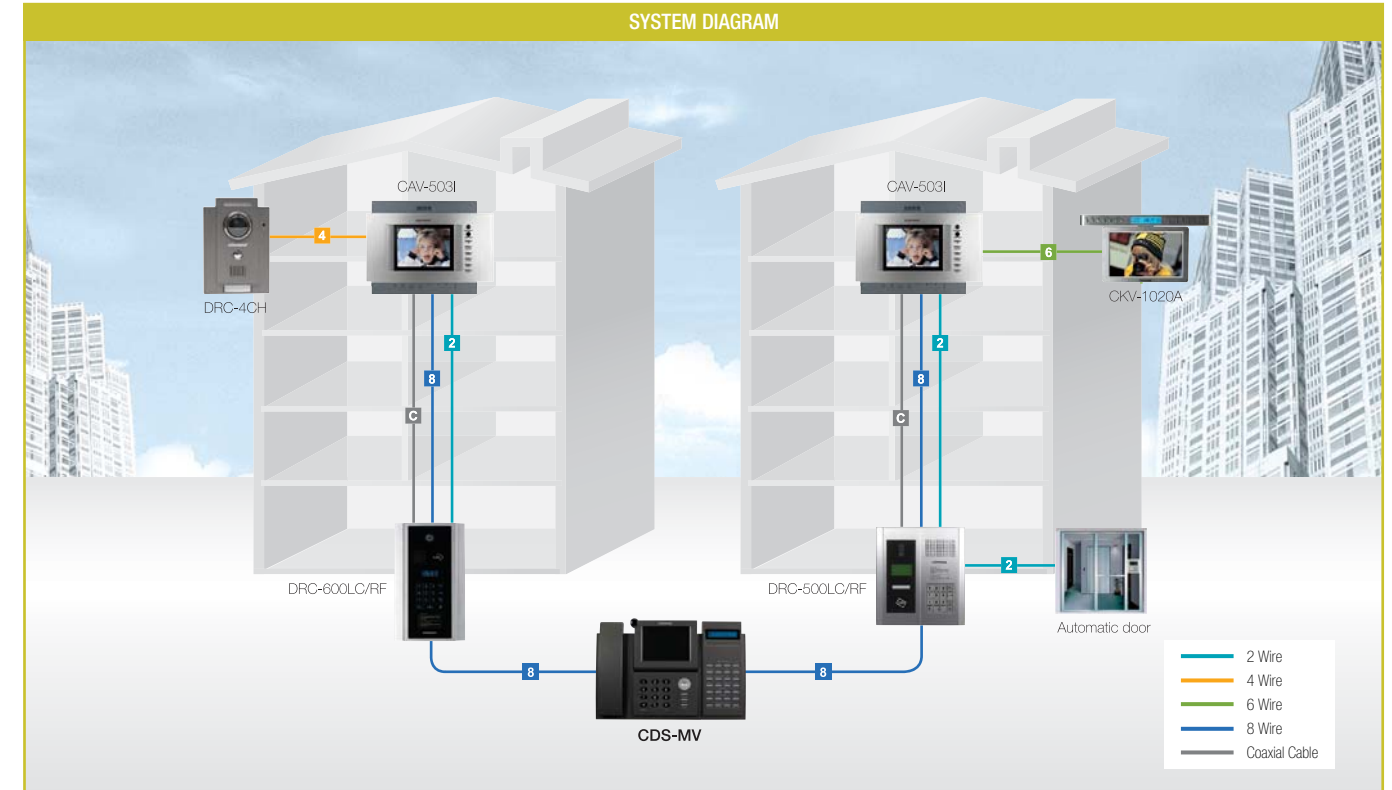
Specifications

- **Power source** : DC14V, 3A
- **Temperature** : 0°C ~ +50°C (32°F ~ 122°F)
- **Display** : 5 inch color TFT LCD
- **Wiring** : Bus type with 8 wires
- **Distance** : 1Km(ϕ 0.65)
- **On-screen duration** : 60 $\pm$ 30 sec
- **Dimension** : 330 x 224 x 100(mm)

Features

- Screening and talking with visitors at common entrance
- 5 inch LCD screen allows user to adjust angle for being able to monitor by optimal quality screen

Functions

- Calling and talking with household
- Parking management
- Screening and control over going outside
- Screening for delivery
- Emergency indication and screening inside house
- Telephone book

CONNECTING DIAGRAM

Computer   Talk

BK BR RE OR YE GR BL VI GY   BK BR RE OR YE GR BL VI GY

GND   TX- RX-   Talk 1 Talk 2 Talk 3 DATA GND
      232A 232A

Talk 1~8, DATA
Communication Connector

Recommended Products

- Home automation color video door monitors, home network wall-pad(CDP-1020H)s with internet and leased line functions.

Home Network System

Home Automation System

Multi Entry Strategy System

Video Door phone

TV Phone

Door Camera Unit

Door phone

Interphone & Intercom

Digital Door Lock
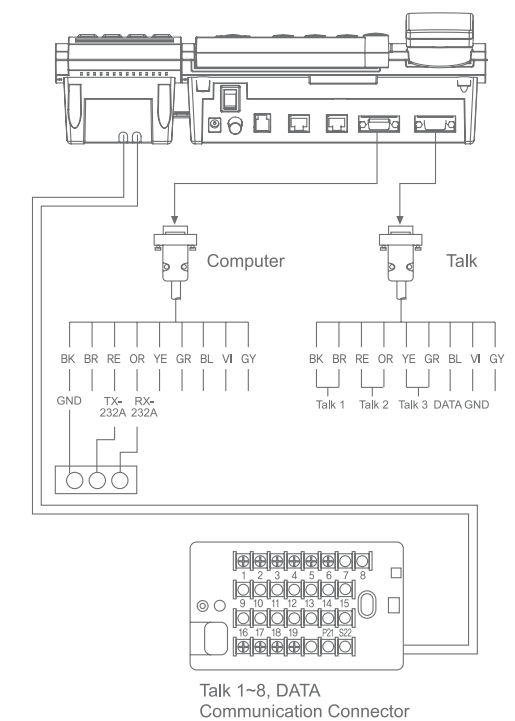
Home Automation System
WONDERFUL VIDEO/AUDIO QUALITY OVER 40 YEARS

CDS-481L

Residential complex management device

CDS-481L is designed to control and manage various big public events, which may be hold inside of residential complexes. It also allows to call and communicate freely with visitor at common entrance from residency. CDS-481L is a cutting edge product, which allows tenant to quickly identify and react to any emergency situation, that could happen inside of residential house.

SYSTEM DIAGRAM

CAV-502IM/702IM

CAV-502IM/702IM

DRC-4CH

CKV-1020A

DRC-600LC/RF

DRC-500LC/RF

Automatic door

CDS-481L

2 Wire
4 Wire
6 Wire
8 Wire
Coaxial Cable
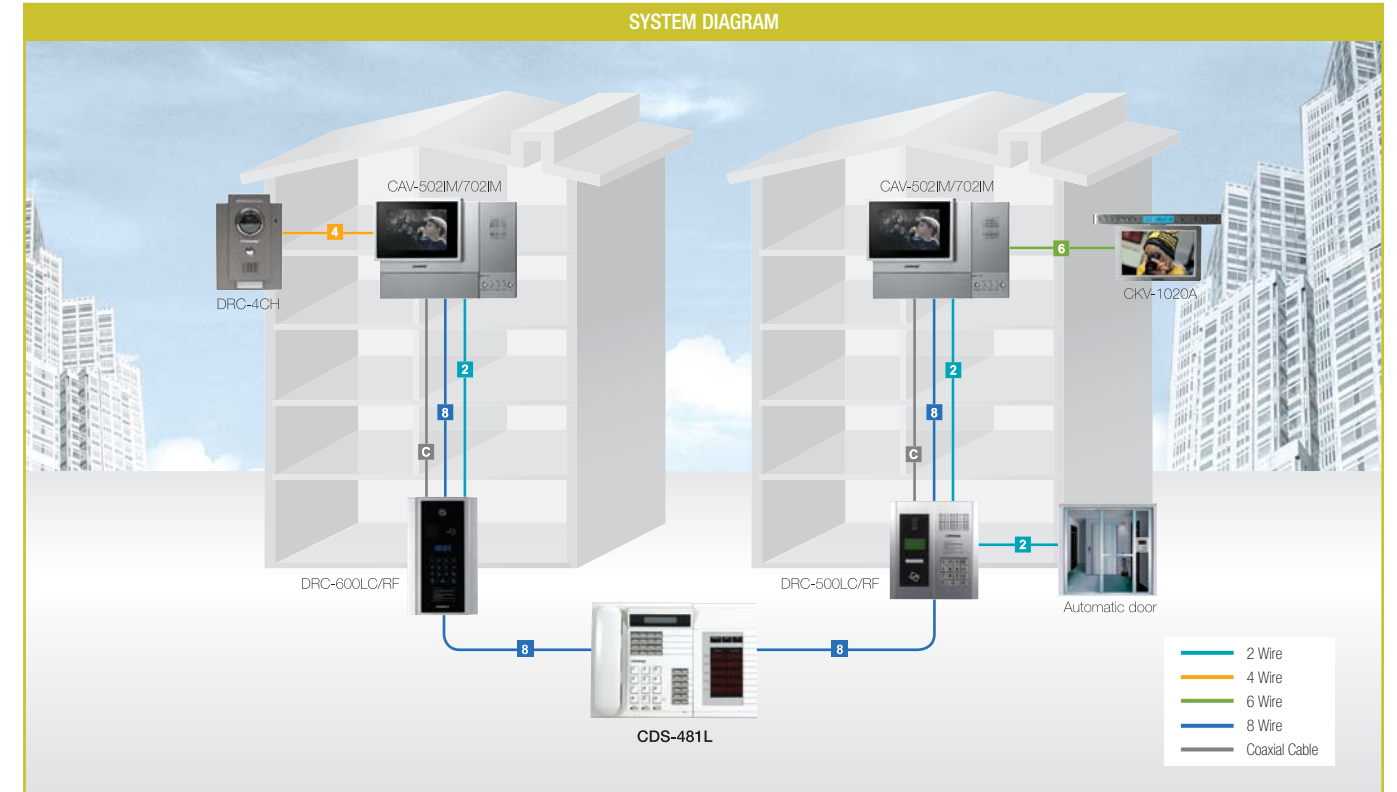
Specifications

- **Power source** : DC14V, 3A
- **Temperature** : 0°C ~ +50°C (32°F ~ 122°F)
- **Wiring** : Bus type with 8 wires
- **Distance** : 1Km(ϕ0.65)
- **Dimension** : 328 x 230 x 97(mm)

Functions

- Calling and talking with household
- Parking management
- Screening and control over going outside
- Screening for delivery
- Emergency indication and screening inside house

Recommended Products

- Home automation color video door monitors, home network wall-pad(CDP-1020H)s with internet and leased line functions.

CONNECTING DIAGRAM

POWER FUSE

Computer

Talk

BK BR RE OR YE GR BL VI GY

BK BR RE OR YE GR BL VI GY

GND TX-   RX-
     232A 232A

Talk1 Talk2 Talk3 DATA GND

Talk 1~8, DATA
Communication Connector

Talk 9~16
Communication Connector
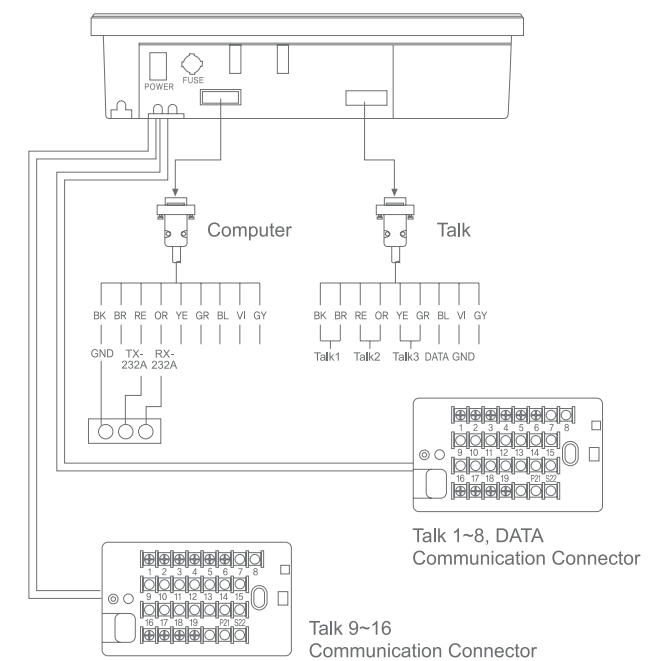
Home Automation System
WONDERFUL VIDEO/AUDIO QUALITY OVER 40 YEARS

Common Entrance Lobby Phone

DRC-600LC/RF
New lobby phone

DRC-600LC/RF is the most trustworthy and credible door entry control device. It is made of metal, and emphasizes solidity and upgraded elegant design, well matching any installation environments.

SYSTEM DIAGRAM

CAV-51SD

DRC-4CH

DRC-40CI

DRC-40CS

CDS-MV

DRC-600LC/RF

2 Wire
4 Wire
8 Wire
Coaxial Cable

Specifications

- **Power source** : DC14V, 3A
- **Mounting type** : Flush mounted type
- **Temperature** : -10°C ~ +50°C (14°F ~ 122°F)
- **Wiring** : 1)Guard unit : Bus type with 8 wires
  2)Household : Bus type with 4 wires
- **Dimension** : 212 x 362 x 22 [63](mm)
- **Embedding box size** :

Functions

- Monitoring and talk with a visitor
- Talk with guard station
- Door lock release
- Each pin setting per a house
- RF card and finger scanning setting
- Calling and talking with household
- Calling and talking with Guard unit

Recommended Products

- Home automation color video door monitors,
  home network wall-pad(CDP-1020H)s with internet and leased line functions.

CONNECTING DIAGRAM

DRC-600L/LC

| RED | 12V | REED |
| BLUE | IN | SWITCH |

RED	12V	
BLUE	IN	SENSOR
YELLOW	GND	

BLACK	TALK_1	
BLOWN		
RED	TALK_2	
ORANGE		GUARD
YELLOW	TALK_3	(CDS-MV)
GREEN		
BLUE	DATA	
PURPLE	GND	

BLACK	TALK	
BLOWN		
RED	GND	ROOM_1
ORANGE	VD_IN	
YELLOW	VD_OUT	

BLACK	TALK	
BLOWN		
RED	GND	ROOM_2
ORANGE	VD_IN	
YELLOW	VD_OUT	

RED	VD_IN	
BLUE	VD_OUT	MONITOR
YELLOW	VIDEO	(VIDEO_OUT)
WHITE	GND	

| RED | 14V | POWER IN |
| BLUE | GND | 14V/3A |

RED	N,O	
BLUE	COM	ELECTRIC
YELLOW	N,C	DOOR KEY

How to use
- Press the household number at the lobby, check the number on the display, and then press the [ ].
- If you input a wrong number, press the [X]
- Program button is [ ].
- If you want to call the guard room, press [ ] and then the [ ].

COMMAX

Home Network System

Home Automation System

Multi Entry Strategy System

Video Door phone

TV Phone

Door Camera Unit

Door phone

Interphone & Intercom

Digital Door Lock

Home Automation System
WONDERFUL VIDEO/AUDIO QUALITY OVER 40 YEARS

Common Entrance Lobby Phone

DRC-500LC/RF

DRC-500LC/RF is a very credible common door entry lobby phone.
It is made of metal, and emphasizes solidity and upgraded elegant
design, that will well suit any installation environments.

How to use
- Press the household number at the lobby,
  check the number on the display, and then
  press the ⊙.
- If you input a wrong number, press the ✕.
- Program button is ▣.
- If you want to call the guard room, press ▣
  and then the ⊙.

CARD

Home Network System
Home Automation System
Multi Entry Strategy System
Video Door phone
TV Phone
Door Camera Unit
Door phone
Interphone & Intercom
Digital Door Lock

SYSTEM DIAGRAM

CAV-51SD

DRC-4CH   4

DRC-40CI   4

DRC-40CS   4

CDS-MV

DRC-500LC/RF

2

8

8

2 Wire
4 Wire
8 Wire
Coaxial Cable

Specifications

- **Power source** : AC100-240V, 18W
- **Mounting type** : Flush mounted type
- **Temperature** : -10°C ~ +50°C (14°F ~ 122°F)
- **Wiring** : 1)Guard unit : Bus type with 8 wires
             2)Household : Bus type with 4 wires
- **Dimension** : 250 x 276 x 12 [61](mm)
- **Embedding box size** :

Functions

- Monitoring and talk with a visitor
- Talk with guard station
- Door lock release
- Each pin setting per a house
- RF card and finger scanning setting
- Calling and talking with household
- Calling and talking with Guard unit

Recommended Products

- Home automation color video door monitors,
  home network wall-pad(CDP-1020H)s with internet and leased line functions.

CONNECTING DIAGRAM

DRC-500LC/RF

BK	TO_RX+
BR	TO_RX-
RE	FROM_TX+
BL	FROM_TX-
YE	GND
GR	SHIELD

TO MDC-101PC

BK	TO_RX+
BR	TO_RX-
RE	FROM_TX+
BL	FROM_TX-
YE	GND
GR	SHIELD

NEXT DRC-500L

BK	TALK_1
BR	
RE	TALK_2
BL	
YE	TALK_3
GR	
BL	DATA
VI	GND

GUARD (CDS-MV)

BK	TALK
BR	
RE	GND
BL	VD_IN
YE	VD_OUT

ROOM_1

BK	TALK
BR	
RE	GND
BL	VD_IN
YE	VD_OUT

ROOM_2

RE	VD-IN
BL	VD_OUT
YE	VIDEO
WH	GND

MONITOR (VIDEO_OUT)

RE	12V
BL	IN
YE	GND

SENSER

| RE | 12V |
| BL | IN |

REED SWITCH

| RE | 15V |
| BL | GND |

POWER IN DC15V/1A

ELECTRIC DOOR KEY

AC220V/60Hz

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COMMAX

Multi-Entry
Strategy System

A highly functional and advanced Multi-entry strategy system provides safety for residents.
Multi-entry strategy system enables residents to view and talk with visitors and open the door allowing visitor access.

This system provides security convenience for all residents as total security system. Visitors are visually identified by the video monitor at each house.

Ellegance to use design makes it the right choice for multiple household buildings.

Multi-Entry Strategy System
WONDERFUL VIDEO/AUDIO QUALITY OVER 40 YEARS

SYSTEM DIAGRAM

Floor Distributor

Building Distributor (CCU-BS)

Outside Distributor

In-home unit
CAV-51M
Color
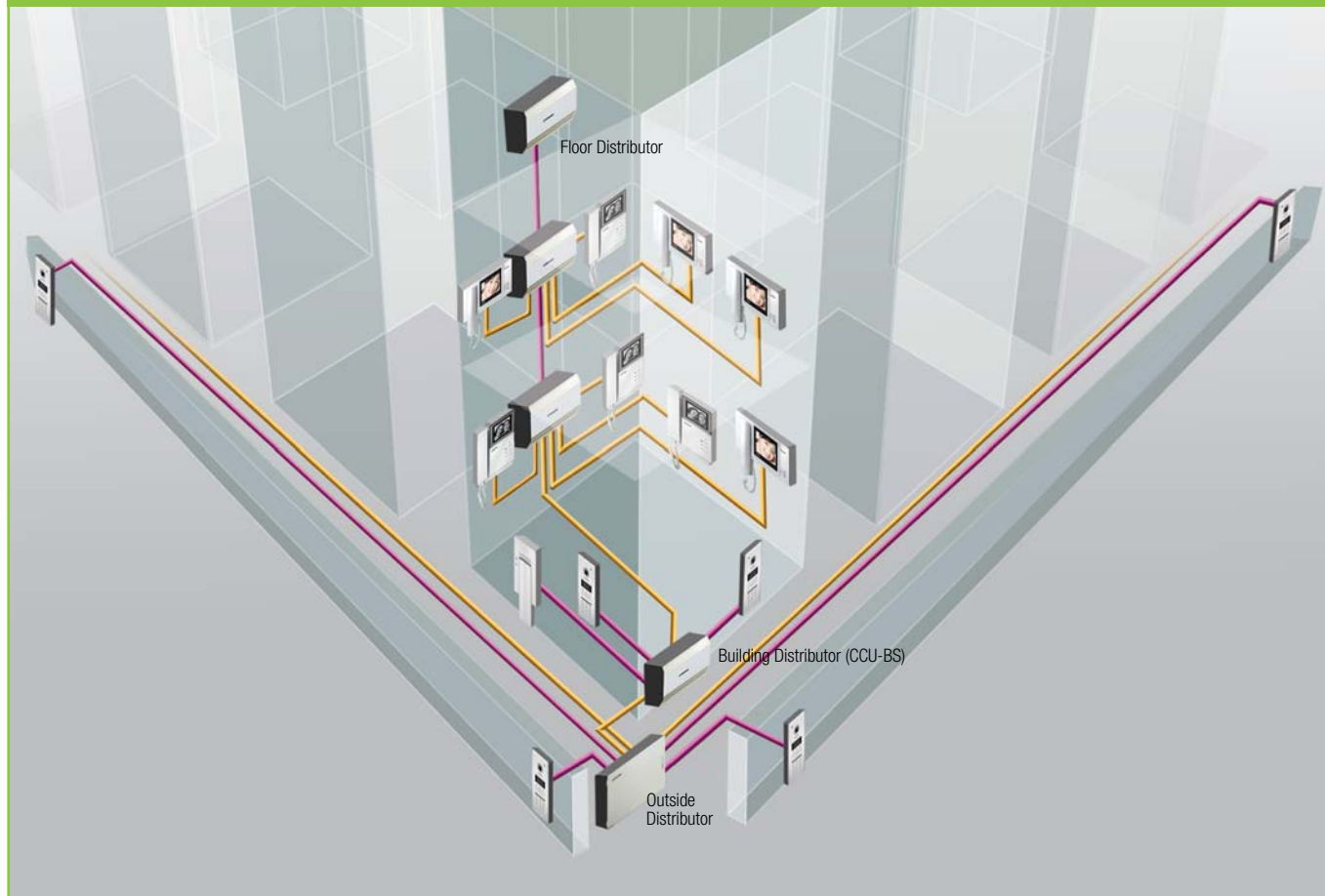
Specification

- Easy installation and saving cost with one UTP cable(CAT.5)
- Various room unit selection in color, B/W and audio door phone.
- Various choice of entrance panel in accordance with the number of households (Key button type, simple button type)
- Cover up to 200 households per building and up to 12 buildings (2,400 households)
- Outside distributor is allowed to control a access of this system by connecting up to 4 outside entrance panels.
- Modular in simple button type for easy extension.
- Connectable up to 2 sub units (Total 3 in-house units connectable including master unit)
- Research names of each residents through key button.
- Easy recognition at night by white LED lamp(Key pad type)
- Single power covers up to 8 floor distributors.
- **Power source** : DC 28V / 5A

Specifications

- **Power source** : DC 24V-28V, 5A(Supplied from floor distributor)
  - An extra power is required for sub units.
- **Display** : 5 inch TFT LCD
- **Mounting type** : Wall surface mounted type
- **Wiring** : To floor distributor-6 wires(Talk2, Data1, Power1, Video1, GND1)
- **Distance** : Between floor distributor to in-house unit UTP(ϕ0.5)50m
- **Communication** : Handset
- **On-screen duration** : 60 $\pm$ 30 sec
- **Dimension** : 285 x 140 x 46(mm)

Functions

- DC type color video door phone
- When installing only 1 master unit, power is supplied from a -building distributor without an additional power supply.
- Sub units need an extra power source.
- 3 Buttons : "Guard station call", "Door release", "Extension call"
- COMMAX chime(Sol, Mi, Do) is the ring tone that sounds from multi entry panel. "Ding-dong" sounds from an individual door when there is a call.
- Door lock release
- 6 wires UTP cable(CAT 5.) including a power source.

CONNECTING DIAGRAM

Household
SLAVE 2
SLAVE 1
MASTER
Talk Power GND DATA VIDEO

Household
GUARD
Household Household

Floor Distributor (CCU-FS)

Building Distributor (CCU-BS)

CH 1   CH 2   CH 3   CH 4

Lobby 1 (ID:1) Lobby 2 (ID:2) Lobby 3 (ID:3) Lobby 4 (ID:4)

Home Network
COMMAX

Multi-Entry Strategy System
WONDERFUL VIDEO/AUDIO QUALITY OVER 40 YEARS

In-home unit
APV-4PM
B/W

In-home unit
AP-5HM
Audio

Specifications

- **Power source** : DC 24V-28V, 5A(Supplied from floor distributor)
  - An extra power is required for sub units.
- **Display** : 4 inch flat CRT
- **Mounting type** : Wall surface mounted type
- **Wiring** : To CCU-FS 6 wires(Talk2, Data1, Power1, Video1, GND1)
- **Distance** : Between CCU-FS to in-house unit UTP(φ0.5)50m
- **Communication** : Handset
- **On-screen duration** : 60±30 sec
- **Dimension** : 196 x 220 x 59(mm)

Functions

- DC type color video door phone
- When installing only 1 master unit, power is supplied from a building distributor without an additional power supply.
- Sub units need an extra power source.
- 3 Buttons : "Guard station call", "Door release", "Extension call"
- COMMAX chime(Sol, Mi, Do) is the ring tone that sounds from multi entry panel. "Ding-dong" sounds from an individual door when there is a call.
- Door lock release
- 6 wires UTP cable(CAT 5.) including a power source.

CONNECTING DIAGRAM

Specifications

- **Power source** : DC 24V-28V, 5A(Supplied from floor distributor)
- **Wiring** : To CCU-FS 5 wires(Talk2, Data1, Power1,GND1)
- **Distance** : Between CCU-FS to in-house unit UTP(φ0.5)50m
- **Communication** : Handset
- **Dimension** : 94 x 185 x 40(mm)

Functions

- DC type audio door phone
- When installing only 1 master unit, power is supplied from a building distributor without an additional power supply.
- 2 Buttons : "Door release", "Extension call"
- COMMAX chime(Sol, Mi, Do) is the ring tone that sounds from multi entry panel. "Ding-dong" sounds from an individual door when there is a call.
- Door lock release
- 5 wires UTP cable(CAT 5.) including a power source.

CONNECTING DIAGRAM

97
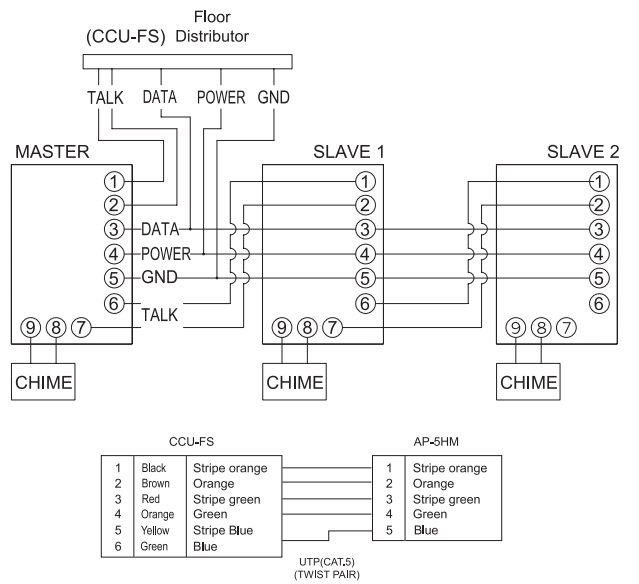
Multi-Entry Strategy System
WONDERFUL VIDEO/AUDIO QUALITY OVER 40 YEARS

Lobby phone
DRC-OSC/OSB
Ouside lobby phone

CONNECTING DIAGRAM
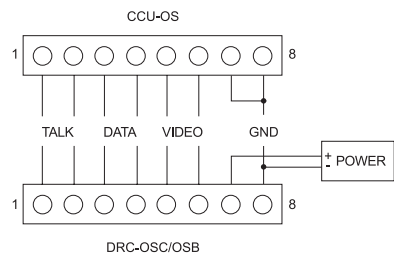
CCU-OS

TALK   DATA   VIDEO   GND

POWER

DRC-OSC/OSB

Specifications
- **Power source** : DC 24V-28V
- **Temparature** : -10°C ~ +40°C (14°F ~ 104°F)
- **Display** : 126 x 64(Key pad type)
- **Wiring** : 8 wires(Talk2, Data2, Video2, Power1, GND1)
- **Distance** : CCU-OS ~ DRC-OSC/OSB : 400m
- **On-screen duration** : 60 ± 30 sec
- **Dimension** : 140 x 341 x 30 [44](mm)

Functions
- Connect up to 4 outside entry panels per CCU-OS.
- Full duplex
- Manual camera angle adjustment
- Night automatic illumination (White LED / Built-in camera)
- Door lock release by personal identity number.
- Talk with a guard(Audio type)

Lobby phone
DRC-nSC/nSB
Building lobby phone
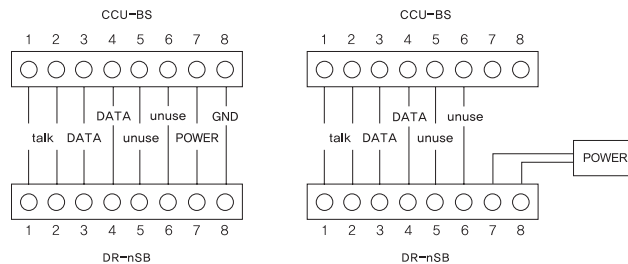
Specifications
- **Power source** : DC 24V-28V
- **Temparature** :-10°C ~ +40°C (14°F ~ 104°F)
- **Wiring** : 8 wires(Talk2, Data2, Video2, Power1, GND1)
- **Distance** : CCU-OS ~ DRC-OSC/OSB : 400m
- **On-screen duration** : 60 ± 30 sec
- **Dimension** : 140 x 341 x 30 [44](mm)

CONNECTING DIAGRAM

CCU-BS
1 2 3 4 5 6 7 8
DATA   unuse   GND
talk DATA   unuse   POWER
1 2 3 4 5 6 7 8
DR-nSB

CCU-BS
1 2 3 4 5 6 7 8
DATA   unuse
talk DATA   unuse
POWER
1 2 3 4 5 6 7 8
DR-nSB

Functions
- Simple installation : 8wires when including a separate power source / All wiring can be used with one UTP cable (CAT 5.)
- Connect up to 4 multi-entry panels per building.
- Connect up to 3 in-house units, including the master unit per household.
- Connect up to 4 residences units with one floor distributor (CCU-FS) per floor.
- Connect all multi-entry panels with one building distributor(CCU-BS).
- Multi-entry panels require a power source of DC 24V and DC 28V if a separate power supply is needed to support more installation distance.
- All the in-house units(Color video door phone, B/W door phone or Audio door phone) are DC power type products and only the master unit is supplied with a power source from the floor distributor (CCU-FS). Additional in-house units need a separate power source, except for the audio type in-house unit(AP-5HM).
- A door camera unit does not serve as an individual door bell, but the 2 wires door bell type is supported for an individual door.
- Full duplex
- Manual camera angle adjustment
- Night automatic illumination-white LED illumination (Built-in camera)
- Door lock release
- Talk with a guard(Audio type)

Lobby phone
DRC-MSC/MSB
Building lobby phone

CONNECTING DIAGRAM
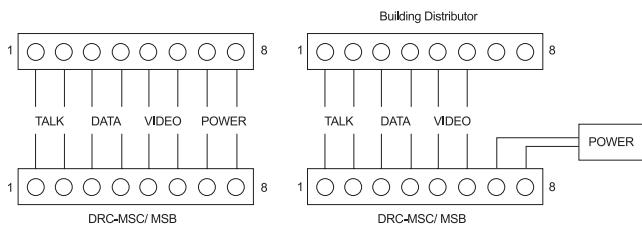
Building Distributor

1 TALK   DATA   VIDEO   POWER 8
1 8

1 TALK   DATA   VIDEO 8
POWER

DRC-MSC/ MSB   DRC-MSC/ MSB

Specifications
- **Power source** : DC 24V-28V
- **Temparature** : -10°C ~ +40°C (14°F ~ 104°F)
- **Display** : 126 x 64(Key pad type)
- **Wiring** : 8 wires(Talk2, Data2, Video2, Power1, GND1)
- **On-screen duration** : 60 ± 30 sec
- **Dimension** : 140 x 341 x 30 [44](mm)

Functions
- Inter-connection among in-houses units such as CAV-51M / APV-4PM/AP-5HM.
- Connecting to door bell.
- Simple installation : 8wires when including a separate power source / All wiring can be used with one UTP cable(CAT 5.)
- Connect up to 4 multi-entry panels per building.
- Connect up to 3 in-house units, including the master unit per household.
- Connect up to 4 residences units with one floor distributor(CCU-FS) per floor.
- Connect all multi-entry panels with one building distributor(CCU-BS).
- Multi-entry panels require a power source of DC 24V and DC 28V if a separate power supply is needed to support more installation distance.
- All the in-house units(Color video door phone, B/W door phone or Audio door phone) are DC power type products and only the master unit is supplied with a power source from the floor distributor(CCU-FS). Additional in-house units need a separate power source, except for the audio type in-house unit (AP-5HM).
- A door camera unit does not serve as an individual door bell, but the 2 wires door bell type is supported for an individual door.
- Full duplex   • Manual camera angle adjustment
- Night automatic illumination-white LED illumination (Built-in camera)
- Door lock release   • Talk with a guard(Audio type)

Lobby phone
DRC-nSB
Building lobby phone
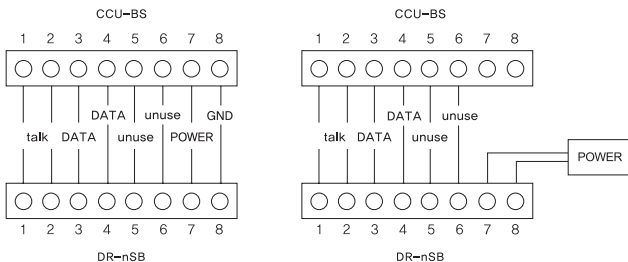
Specifications
- Power source : DC 24V-28V, 5A
- Temparature : -10°C ~ +40°C (14°F ~ 104°F)
- Display : 126 x 64(Key pad type)
- Wiring : 6 wires(Talk2, Data2, Power1, GND1)
- On-sound duration : 30 sec
- Dimension : 140 x 341 x 16 [30](mm)

CONNECTING DIAGRAM

CCU-BS
1 2 3 4 5 6 7 8
DATA   unuse   GND
talk DATA   unuse   POWER
1 2 3 4 5 6 7 8
DR-nSB

CCU-BS
1 2 3 4 5 6 7 8
DATA   unuse
talk DATA   unuse
POWER
1 2 3 4 5 6 7 8
DR-nSB

Functions
- As this is an audio type multi-entry panel without a camera module, it cannot be connected with color or B/W video door phone.
- Connecting to door bell.
- Simple installation: 6wires when including a separate power source / All wiring can be used with one UTP cable(CAT 5.)
- Connect up to 4 multi-entry panels per building.
- Connect up to 3 in-house units, including the master unit per household.
- Connect up to 4 residences units with one floor distributor(CCU-FS) per floor.
- Connect all multi-entry panels with one building distributor(CCU-BS).
- Multi-entry panels require a power source of DC 24V and DC 28V if a separate power supply is needed to support more installation distance.
- All the in-house units are DC power type products and only the master unit is supplied with a power source from the floor distributor(CCU-FS). Additional in-house units need a separate power source, except for the audio type in-house unit(AP-5HM).
- A door camera unit does not serve as an individual door bell, but the 2 wires door bell type is supported for an individual door.
- Full duplex
- Door lock release

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Multi-Entry Strategy System
WONDERFUL VIDEO/AUDIO QUALITY OVER 40 YEARS

Lobby phone
DRC-nMS
Building lobby phone

Specifications
- **Power source** : Power supplied from DRC-nSC/SB or DR-nSB
- **Temparature** : -10°C ~ +40°C (14°F ~ 104°F)
- **On-sound duration** : 60 ±30 sec
- **Dimension** : 140 x 341 x 16 [30](mm)

Functions
- **Button type model** : DR-4MS / 8MS / 12MS

Distributors
CCU-BS
Building distributor

CONNECTING DIAGRAM
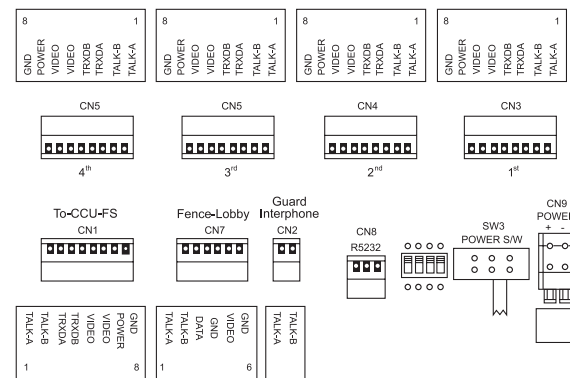
Specifications
- **Power source** : DC 24V-28V, 5A
- **Power consumption** : Stand by-215mA / Operating 1.3A
- **Wiring** : 1)CCU-BS to CCU-FS : 8 wires
  2)CCU-BS to CCU-OS : 6 wires
- **Distance** : 1)CCU-BS to last CCU-FS : 200m / CCU-BS to entry panel,
  within 20m on normal power operation(Using separate power supply
  maximum of up to 100m)
  2)Wiring can be used with one UTP cable(CAT 5.) to entry panel.

Distributors
CCU-FS
Floor distributor

CONNECTING DIAGRAM
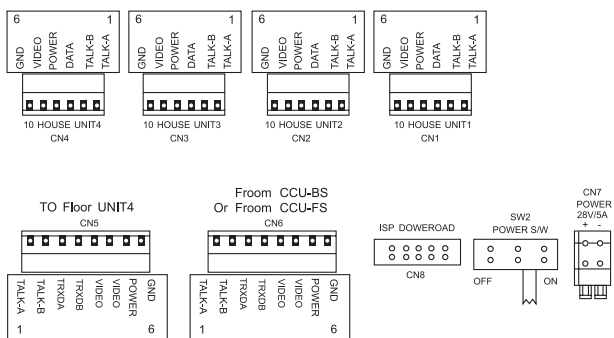
Specifications
- **Power source** : DC 24V-28V, 5A
- **Power consumption** : Stand by-215mA / Operating 1.3A
- **Wiring** : 1)CCU-BS to CCU-FS : 8 wires
  2)CCU-FS to in-house : 6 wires
- **Distance** : 1)CCU-BS to last CCU-FS : 200m / CCU-BS to entry panel,
  within 20m on normal power operation(Using separate power supply
  maximum of up to 100m)
  2)Wiring can be used with one UTP cable(CAT 5.) to entry panel.

Distributors
CCU-OS
Outside distributor

CONNECTING DIAGRAM
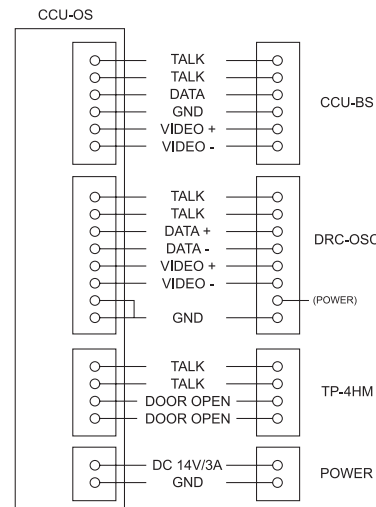
Specifications
- **Power source** : DC 14V, 3A
- **Power consumption** : Stand by-215mA / Operating 1.3A
- **Wiring** : 1)CCU-OS to CCU-BS : 6 wires
  2)CCU-OS to DRC-OSC/OSB : 8 wires
- **Distance** : 1)CCU-BS to CCU-OS : 400m
  2)Wiring can be used with one UTP cable(CAT 5.) to entry panel.

Home Network System | Home Automation System | Multi Entry Strategy System | Video Door phone | TV Phone | Door Camera Unit | Door phone | Interphone & Intercom | Digital Door Lock

101

Video Door
Phone

Video door phone can satisfy your needs with home secure functions such as monitoring visitors and recording the image of visitors.

It is featured with easy installation and wiring for various installation environments. As it enables simultaneous communications and telephone calls, users can talk to a security guard and visitors at the door and open the entrance. As image memory is built in, it is possible to check visitors by recording visitors' images. It is adapted powerful security function and easy to use OSD(On-screen display).

In the house, offices and hospitals, video door phone can provide you with remarkable convenience and safety.

Video Door Phone
WONDERFUL VIDEO/AUDIO QUALITY OVER 40 YEARS

product design award
2008

CAV-71B

World first

"Smart view" series is one of COMMAX products that can satisfy various clients' needs, launched with unique concept as the first world's video door phone through COMMAX 40th technology know-how.
Acquisition of 2008 " iF Design award" proves its design is to a world-class.

SYSTEM DIAGRAM

CAV-71B   CAV-71B   CAV-71B   CAV-71B

CDS-4CM   DRC-4CH   DRC-40CS

- 4 Wire
- 6 Wire
- Coaxial Cable
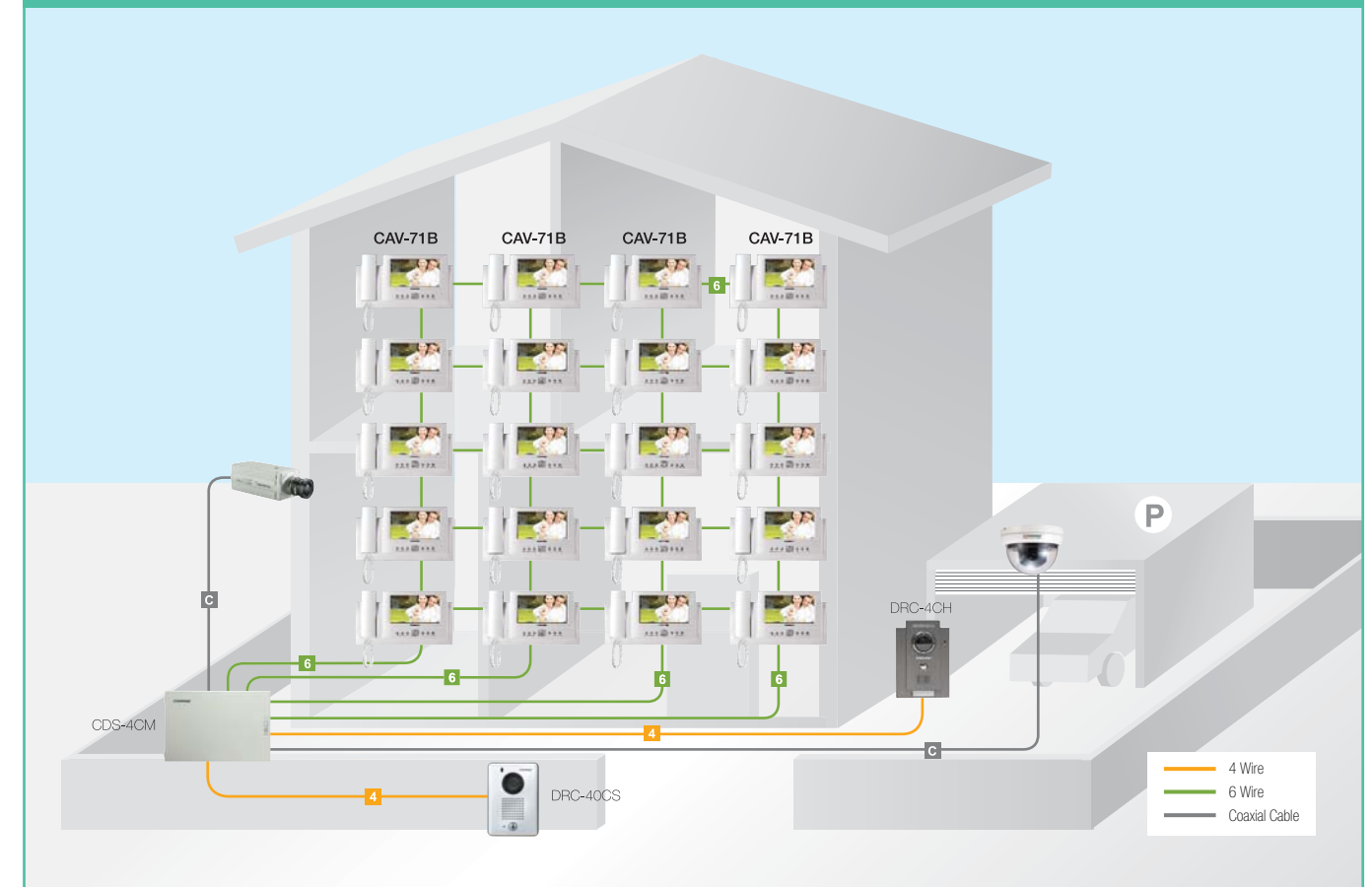
● Specifications

CAV-71B
- **Power source** : AC 100V-240V, 50/60Hz(Free voltage) / 17W
- **Display** : 7 inch wide TFT LCD
- **Mounting type** : Wall surface mounted type
- **Wiring** : 1)CDS-4CM(Video distributor unit) : 6 wires
      2)CAV-71B : 6 wires
- **Distance** : CAV-71B to CAV-71B : 20m(ϕ0.65)
- **Communication** : Handset & Hands free
- **On-screen duration** : 60±30 sec
- **Temperature** : 0°C ~ +40°C (32°F ~ 104°F)
- **Image record** : 128 cuts
- **Dimension** : 314 x 173 x 44(mm)

CDS-4CM
- **Power source** : AC 100V-240V
- **Wiring** : 1) Camera unit : 4 wires
      2) Master monitor unit : 6 wires
      3) Telephone : 2 wires
- **Distance** : To door camera unit : 50m, To master unit : 20m
- **Dimension** : 300 x 200 x 51(mm)

● Functions
- Up to 4 cameras(Inter-choice CCTV camera or door camera) and up to 20 monitors are connected through CDS-4CM.
- 7 inch TFT LCD is applied to see a visitor for high resolution quality.
- Reviewing the image of a visitor when being away
- Intercom function
- Monitoring & talk with a visitor
- Door lock release
- OSD(On screen display) interface

CONNECTING DIAGRAM
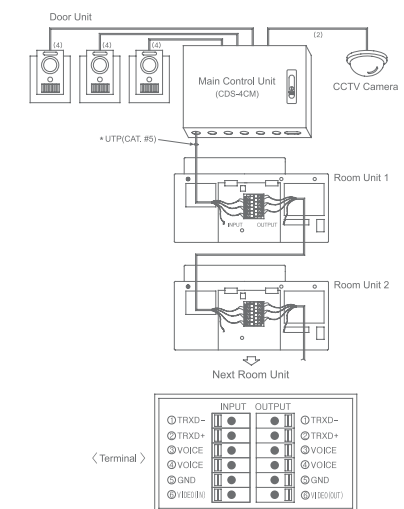
Door Unit   Main Control Unit (CDS-4CM)   CCTV Camera

UTP(CAT. #5)

Room Unit 1

Room Unit 2

Next Room Unit

〈 Terminal 〉

● Recommended Products
- **Monitors**

CAV-71B   CAV-72B

- **Door cameras**

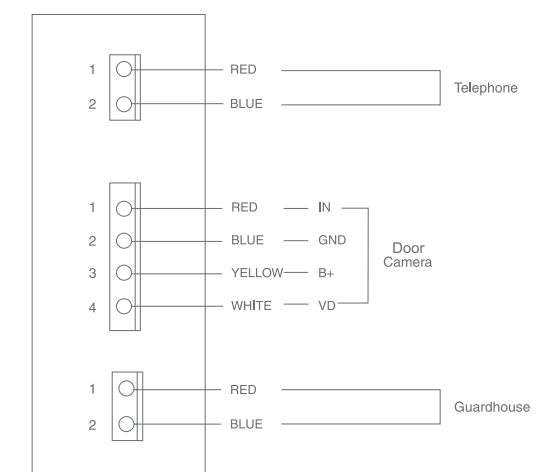DRC-4CH   DRC-40CS   DRC-4CAN   DRC-41CSN   DRC-4CG

Video Door Phone
WONDERFUL VIDEO/AUDIO QUALITY OVER 40 YEARS

MONITOR INTERPHONE MENU/SET TALK OPEN REC. / IMAGE

Connecting call

iF
product
design
award
2008

CAV-72B/CDT-180

Free-communication

"Smart view" series is one of COMMAX products that can satisfy various clients' needs, launched with unique concept as the first world's video door phone through COMMAX 40th technology know-how.
Acquisition of 2008 " iF Design award" proves its design is to a world-class.

SYSTEM DIAGRAM

CAV-71B
CAV-71B
CAV-71B
CAV-71B
CAV-72B
CDT-180
20
1
DRC-4CH
P
C
C
6
4
CDS-4CM
DRC-40CS
4

4 Wire
6 Wire
Coaxial Cable
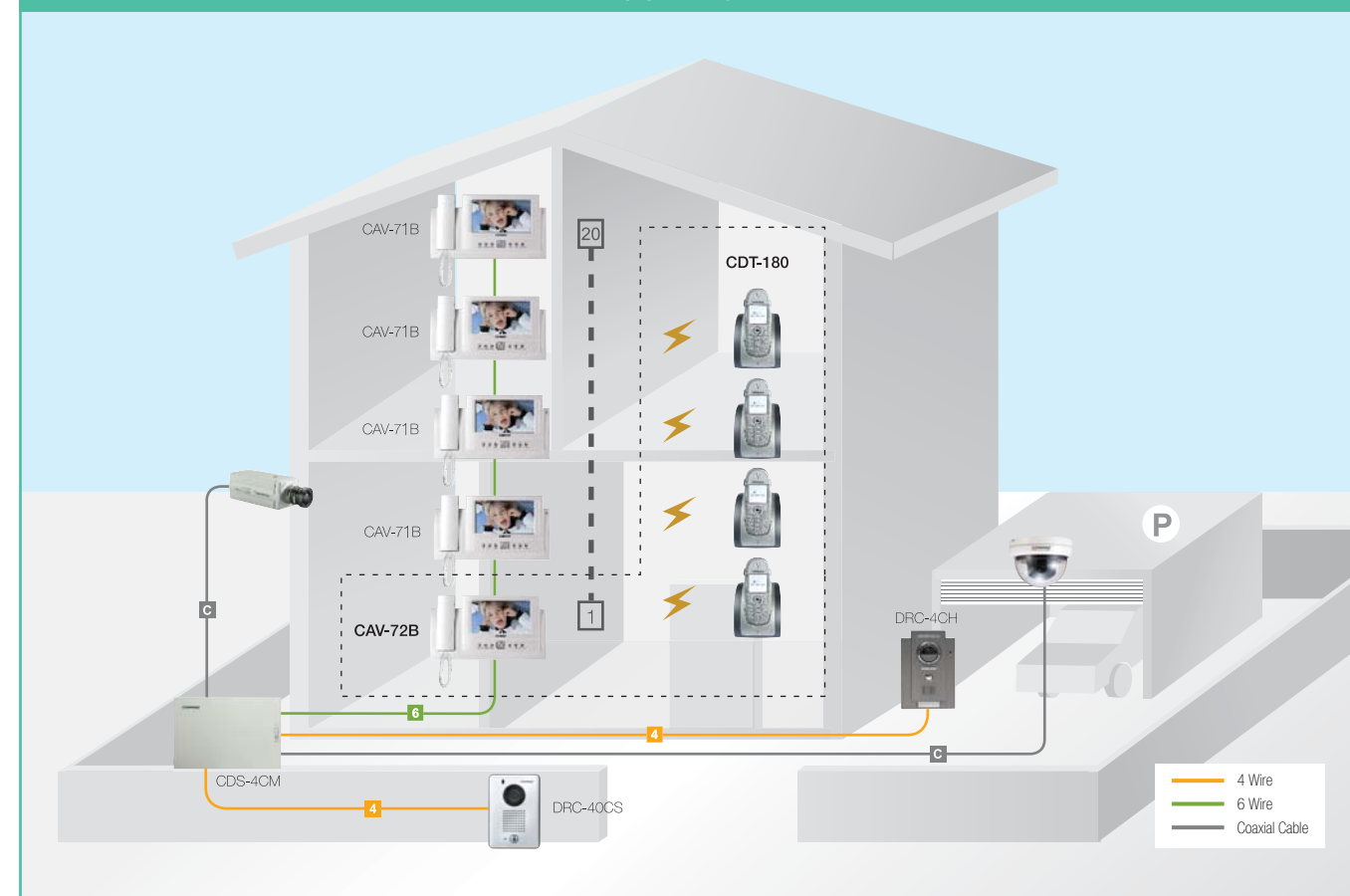
● Specifications

CAV-72B
- **Power source** : AC 100V-240V, 50/60Hz(Free voltage) / 17W
- **Display** : 7 inch wide TFT LCD
- **Mounting type** : Wall surface mounted type
- **Wiring** : 1)CDS-4CM(Video distributor unit) : 6wires   2)Monitor unit : 6 wires
- **Distance** : CAV-72B to CAV-72(1)B : 20m(ϕ0.65)
- **Communication** : Handset & Hands free
- **On-screen duration** : 60 $\pm$30 sec
- **Temperature** : 0°C ~ +40°C (32°F ~ 104°F)
- **Image record** : 128 cuts
- **Dimension** : 314 x 173 x 44(mm)

CDT-180
- **Power source** : Ni-MH 1.2V 600mA, AAAx3(Handset)
- **Distance** : Outdoor Max 200m / Indoor Max 40m
- **Dimensions** : 1)Handset : 28 x 46.5 x 115(mm) 2)Base station : 133 x 81.5 x 52.5(mm)

● Functions

CAV-72B
- Up to 4 DECT phones per CAV-72B.
- Up to 4 cameras and up to 20 monitors are connected through CDS-4CM.
- 7 inch TFT LCD is applied to see a visitor for high resolution quality.
- Reviewing the image of a visitor when being away
- Intercom function   • Monitoring & talk with a visitor
- Door lock release   • OSD interface   • Telephone receiving.

CDT-180
- Talk with a visitor   • Telephone function   • Door lock release
- Max 100 of telephone directory   • Intercom function between DECT phone
- Max 10 of redial number directory

CONNECTING DIAGRAM

Door Unit
Main Control Unit (CDS-4CM)
CCTV Camera
• UTP(CAT. #5)
6 wires
Room Unit 1
6 wires
Room Unit 2
Next Room Unit
〈Terminal〉
INPUT OUTPUT
① TRXD+ ① TRXD+
② TRXD+ ② TRXD+
③ VOICE ③ VOICE
④ VOICE ④ VOICE
⑤ GND ⑤ GND
⑥ RED(Bit) ⑥ RED(Bit)

● Recommended Products
- Monitors

CAV-72B   CDT-180   CAV-71B

- Door cameras

DRC-4CH   DRC-40CS   DRC-4CAN   DRC-41CSN   DRC-4CG

Home Network
COMMAX

Company Overview | New Products | **P** General products

Home Network System | Home Automation System | Multi Entry Strategy System | Video Door phone | TV Phone | Door Camera Unit | Door phone | Interphone & Intercom | Digital Door Lock

SYSTEM DIAGRAM

DP-4VH

C
C

P

CDV-71BE

DRC-4CH

DRC-40CS

4 Wire
Coaxial Cable

SYSTEM DIAGRAM

MS-10
DP-4VH

C
C

MS-10

P

CDV-71BSE

MS-10

DRC-4CH

DRC-40CS

MS-10

2 Wire
4 Wire
Coaxial Cable

Video Door Phone (Smart View Series)

CDV-71BE
Standalone

Specifications

- **Power source** : AC 100V-240V, 50/60Hz(Free voltage) / 25W
- **Display** : 7 inch wide TFT LCD
- **Mounting type** : Wall surface mounted type
- **Wiring** : 1)Camera unit : 4 wires
     2)Interphone : 4 wires
- **Distance** : 50m(ϕ0.65)
- **Communication** : Handset
- **On-screen duration** : 60 $\pm$30 sec
- **Temperature** : 0°C ~ +40°C (32°F ~ 104°F)
- **Image record** : 128 cuts
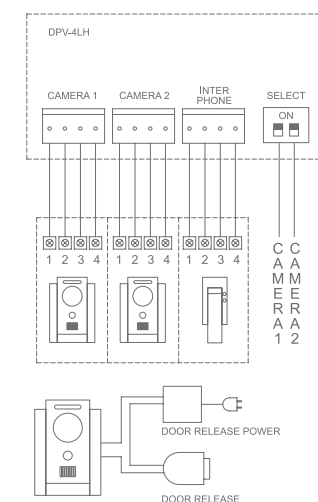- **Dimension** : 314 x 173 x 44(mm)

Functions

- Up to 4 cameras(Inter-choice CCTV camera or door camera unit)
- Available 1 audio type interphone(DP-4VH or DP-4VR)
- Reviewing the image of a visitor when being away
- Intercom function
- Monitoring & talk with a visitor
- Door lock release
- OSD interface

CONNECTING DIAGRAM

①Red : Voice
②Blue : GND
③Yellow : +12V
④White : Video

CAMERA3   CAMERA1

4   4   4

4   2   4   4

CDV-71BD Only
DC17~30V/ 1.5A

INTERPHONE   CAMERA2

CAMERA4

Recommended Products

- Door cameras

DRC-4CH   DRC-40CS   DRC-4CAN   DRC-41CSN   DRC-4CG

- Interphone

DP-4VH   DP-4VR

Video Door Phone (Smart View Series)

CDV-71BSE
Security

Specifiation

- **Power source** : AC 100V-240V, 50/60Hz(Free voltage) / 25W
- **Display** : 7 inch wide TFT LCD
- **Mounting type** : Wall surface mounted type
- **Wiring** : 1)Camera unit : 4 wires   2)Interphone : 4 wires
- **Distance** : 50m(ϕ0.65)
- **Communication** : Handset
- **On-screen duration** : 60 $\pm$30 sec
- **Temperature** : 0°C ~ +40°C (32°F ~ 104°F)
- **Image record** : 128 cuts
- **Dimension** : 314 x 173 x 44(mm)

Functions

- 4 security zone by magnetic sensors(Recommended product : MS-10)
- Up to 4 cameras(Inter-choice CCTV camera or door camera unit)
- Available 1 audio type interphone(DP-4VH or DP-4VR)
- Reviewing the image of a visitor when being away
- Intercom function
- Monitoring & talk with a visitor
- Door lock release
- OSD interface

CONNECTING DIAGRAM

①Red : Voice
②Blue : GND
③Yellow : +12V
④White : Video

Camera 1   Camera 2

4   4

4   4

Camera 3   Camera 4

4   2
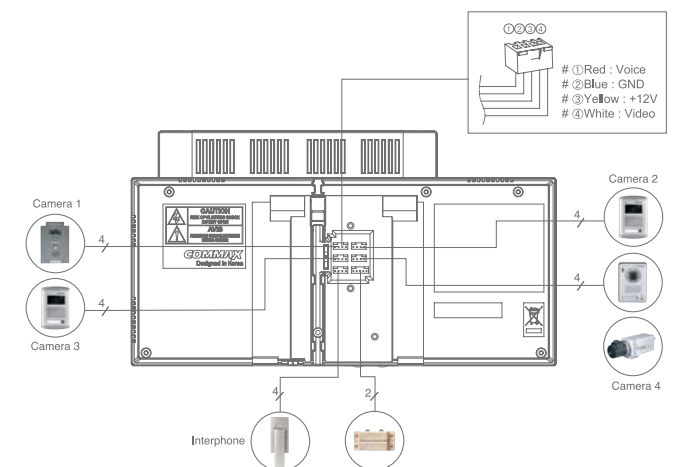
Interphone

Connectable Product

- Door cameras

DRC-4CH   DRC-40CS   DRC-4CAN   DRC-41CSN   DRC-4CG

- Interphone

DP-4VH   DP-4VR

Video Door Phone
WONDERFUL VIDEO/AUDIO QUALITY OVER 40 YEARS

Home Network COMMAX

4 Wire
6 Wire

iF product design award 2008

CDV-71BQ/71BQS(Slave)

Quad

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Acquisition of 2008 " iF Design award" proves its design is to a world-class.

SYSTEM DIAGRAM

CDV-71BQS | CDV-71BQS
CDV-71BQ
DRC-40CS
DRC-4CH
P

4 Wire
6 Wire
Coaxial Cable
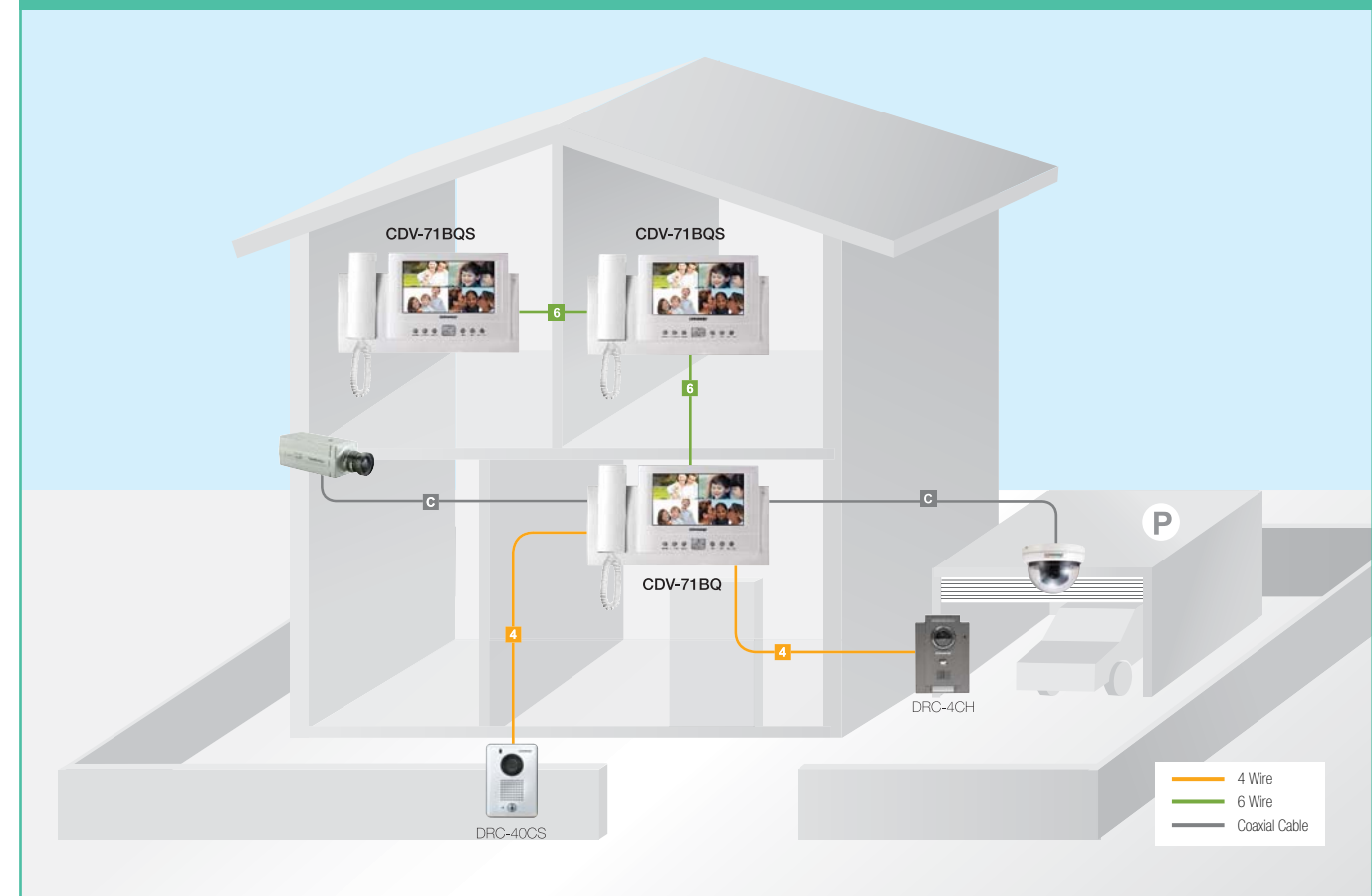
Specifications

- **Power source** : AC 100V-240V, 50/60Hz(Free voltage) / 17W
- **Display** : 7 inch wide TFT LCD
- **Mounting type** : Wall surface mounted type
- **Wiring** : 1)Camera unit : 4 wires
  2)Monitor unit : 6 wires
- **Distance** : 50m(ϕ0.65)
- **Communication** : Handset
- **On-screen duration** : 60 $\pm$ 30 sec
- **Temperature** : 0°C ~ +40°C (32°F ~ 104°F)
- **Image record** : NTSC : 68 cuts / PAL : 58 cuts
- **Dimension** : 314 x 173 x 44(mm)

Functions

- Quad type display monitor
- Up to 3 monitors per single house
  (Master unit : CDV-71BQ / Sub unit CDV-71BQS)
- 68(58) cuts in quad of visitors' image can be recorded.
- Up to 4 cameras(Inter-choice CCTV camera or door camera)
- 7 inch TFT LCD is applied to see a visitor for high resolution quality.
- Intercom function
- Monitoring & talk with a visitor
- Door lock release
- OSD interface

CONNECTING DIAGRAM

Camera 1 | Camera 2
Camera 3 | Camera 4

①Red : Voice
②Blue : GND
③Yellow : +12V
④White : Video

To : CDV-71BQS

6 Wires

From : CDV-71BQ
To : CDV-71BQS

6 Wires

Recommended Products

- **Door cameras**

DRC-4CH | DRC-40CS | DRC-4CAN | DRC-41CSN | DRC-4CG
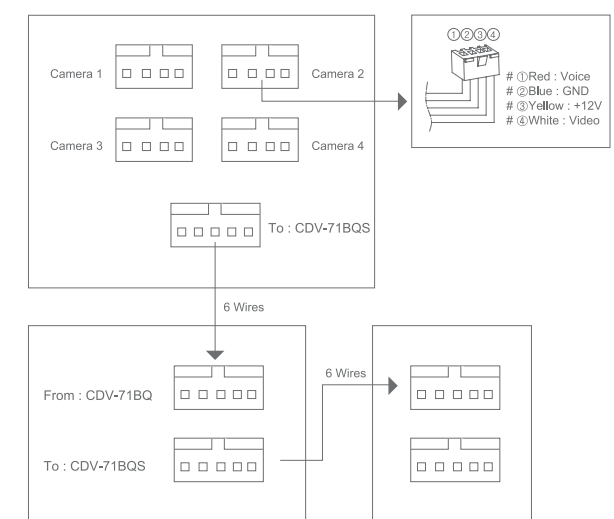
Video Door Phone
WONDERFUL VIDEO/AUDIO QUALITY OVER 40 YEARS

CDV-72BE

Free move

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Acquisition of 2008 " iF Design award" proves its design is to a world-class.

SYSTEM DIAGRAM

CDT-180
DP-4VH
CDV-71BE
DRC-4CH
DRC-40CS
P

4 Wire
Coaxial Cable
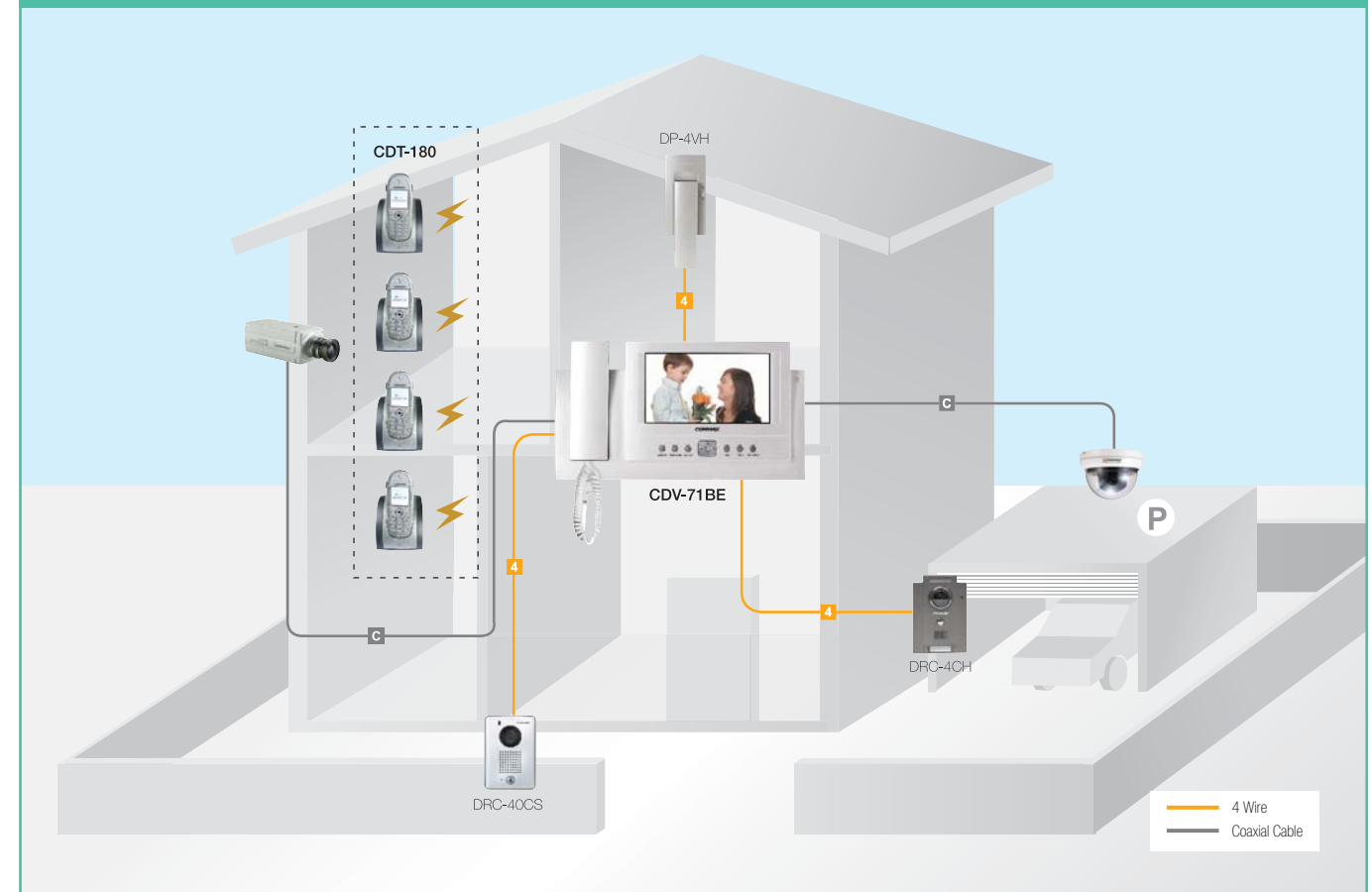
Specifications

- **Power source** : AC 100V-240V, 50/60Hz(Free voltage) / 17W
- **Display** : 7 inch wide TFT LCD
- **Mounting type** : Wall surface mounted type
- **Wiring** : 1)Camera unit : 4 wires
             2)Interphone : 4 wires
- **Distance** : 50m(ϕ0.65)
- **Communication** : Handset
- **On-screen duration** : 60 $\pm$ 30 sec
- **Temperature** : 0°C ~ +40°C (32°F ~ 104°F)
- **Image record** : 128 cuts
- **Dimension** : 314 x 173 x 44(mm)

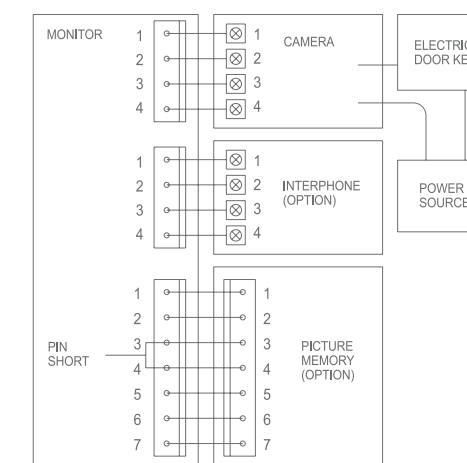### Functions

- Up to 4 DECT phones per CDV-72BE
- Up to 4 cameras(Inter-choice : CCTV camera or door camera)
- Available 1 audio type interphone(DP-4VH or DP-4VR)
- Reviewing the image of a visitor when being away
- 7 inch TFT LCD is applied to see a visitor for high resolution quality.
- Intercom function
- Monitoring & talk with a visitor
- Door lock release
- OSD interface

CONNECTING DIAGRAM

CAMERA3 / CAMERA1 / INTERPHONE / CAMERA2 / CAMERA4
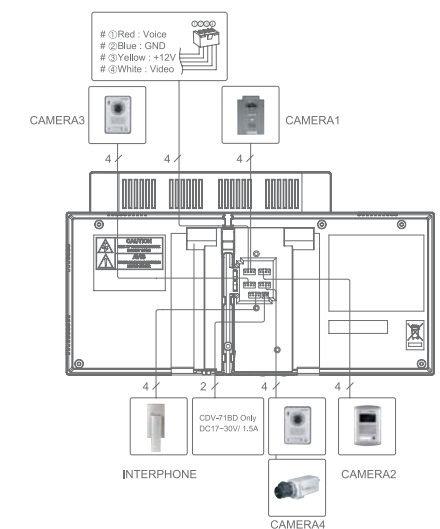
Connectable Product

- Interphone
  DP-4VH DP-4VR
- Door cameras
  DRC-40CI(New) DRC-4CH DRC-40CS DRC-4CAN DRC-41CSN DRC-4CG

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Video Door Phone
WONDERFUL VIDEO/AUDIO QUALITY OVER 40 YEARS

SYSTEM DIAGRAM

CDV-50P

DP-4VH

DP-4VH

CDV-50P

P

DRC-40CK

DRC-40CK

4 Wire

CDV-50P
40th Anniversary Special Edition

CDV-50P was developed and designed to offer excellent quality, features and benefits, elegant design and price, by means of usage of all advantages coming through of the manufacturing and R&D experiences, from COMMAX capabilities, that specialized in production of video communication equipment for over 40 years.
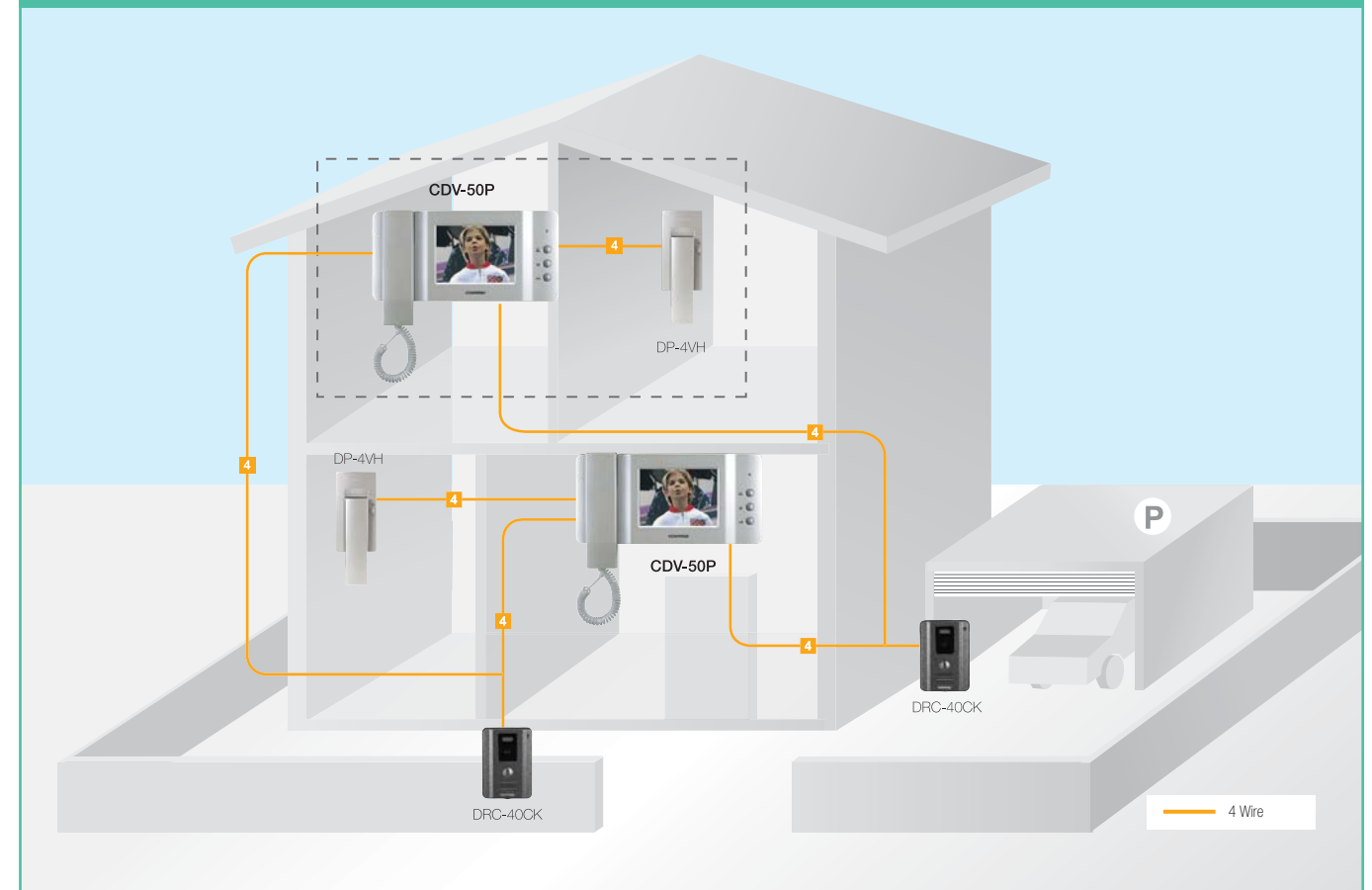
Specifications

- **Power source** : AC 100V-240V, 50/60Hz(Free voltage) / 16W
- **Display** : 5 inch TFT LCD
- **Mounting type** : Wall surface mounted type
- **Wiring** : 1)Camera unit : 4 wires
            2)Interphone : 4 wires
- **Distance** : To camera unit : 50m(ϕ0.65) / To interphone : 20m (ϕ0.65)
- **Communication** : Handset
- **On-screen duration** : 60 $\pm$ 30 sec
- **Temperature** : 0°C ~ +40°C (32°F ~ 104°F)
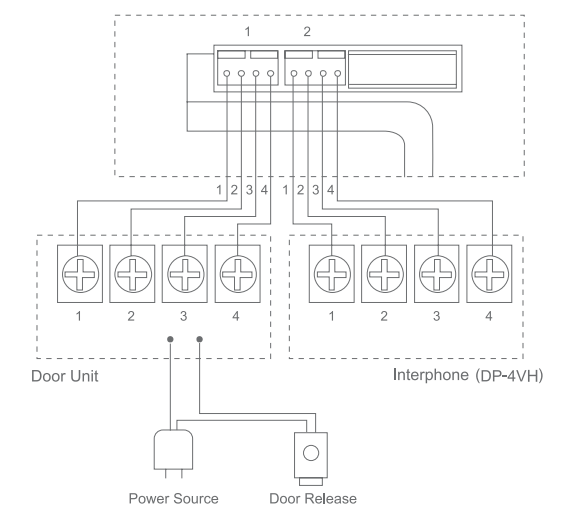- **Dimension** : 259 x 126 x 43(mm)

Features

- Connectable up to 2 monitors, 2 cameras and 2 interphones
- Interphone extension available DP-4VH or DP-4VR
- Designed to offer elegance feeling in any place, expressing design of COMMAX identity.

Functions

- Monitoring a entrance
- Talk with a visitor
- Intercom function(DP-4VH or DP-4VR)
- Door lock release

CONNECTING DIAGRAM

ELECTRIC DOOR KYE	CAMERA1		MONITOR
	1		#1(RE)
	2		#2(BL)
POWER SOURCE	3		#3(YE)
	4		#4(WH)

ELECTRIC DOOR KYE	CAMERA2		
	1		#1(RE)
	2		#2(BL)
POWER SOURCE	3		#3(YE)
	4		#4(WH)

	INTERPHONE		
	1		#1(RE)
	2		#2(BL)
	3		#3(YE)
	4		#4(WH)
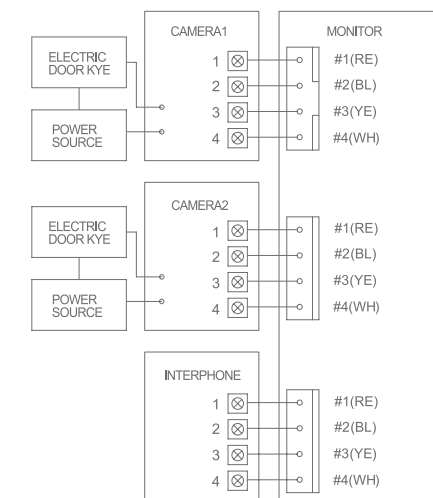
Recommended Products

- Door cameras

DRC-40CK

- Interphone

DP-4VH   DP-4VR

Video Door Phone
WONDERFUL VIDEO/AUDIO QUALITY OVER 40 YEARS

COMMAX

COLOR VIDEO DOOR PHONE

CDV-50A/50AM(Memory)

M.V.P (Most Valued Product)

Minimalism design with two color-tones makes it elegant looking and simply talk to visitors with Hands-free.

LED lamps are applied to around buttons so that user can see the status of operation.

SYSTEM DIAGRAM

CDV-50A/50AM

DP-4VH

CDV-50A/50AM

DP-4VH

DRC-4CH

DRC-40CS

P
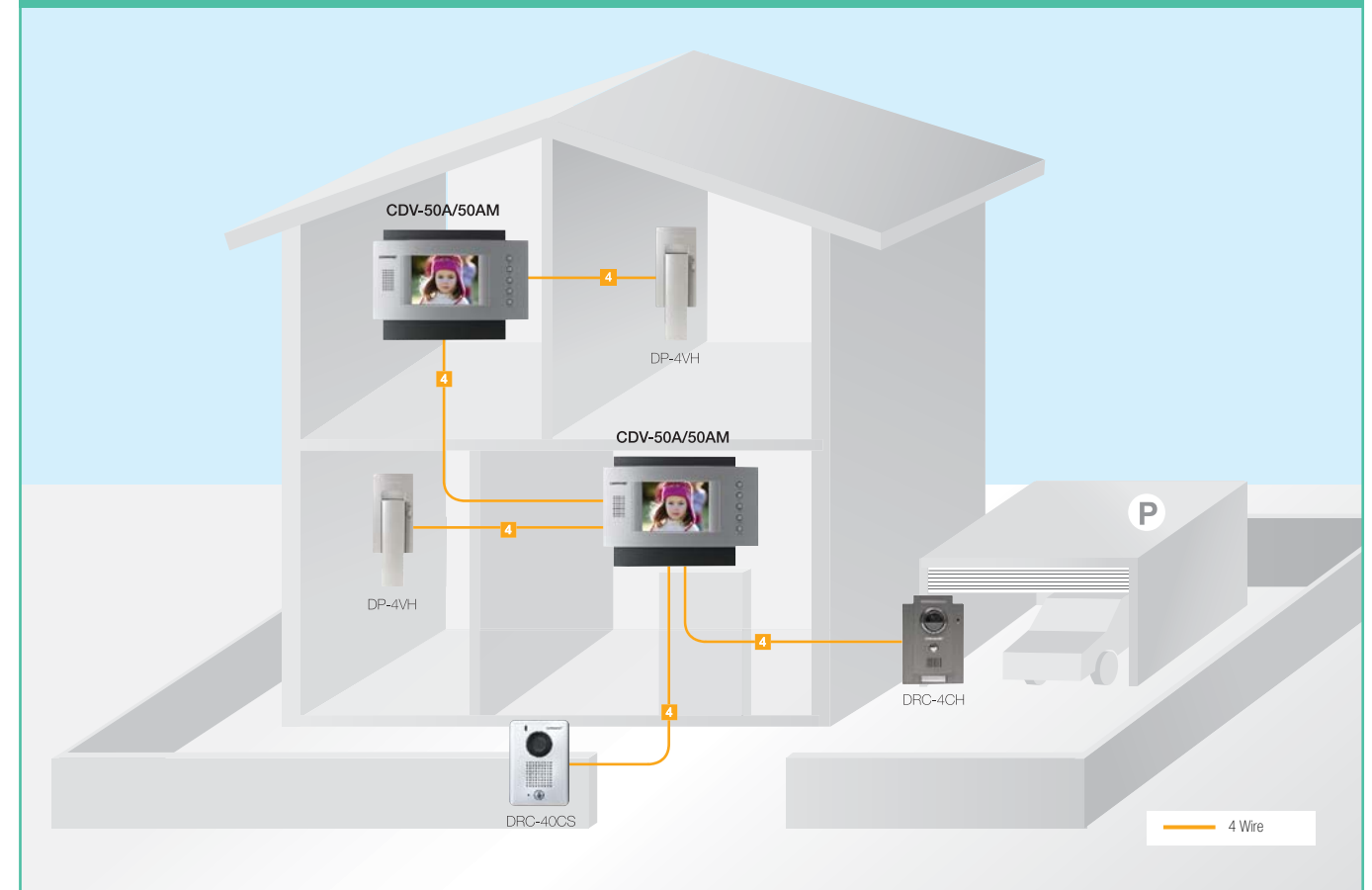
4 Wire

Specifications

- **Power source** : AC 100V-240V, 50/60Hz(Free voltage) /
  CDV-50A : 15W / CDV-50AM : 20W
- **Display** : 5 inch TFT LCD
- **Mounting type** : Wall surface mounted type
- **Wiring** : 1)Camera unit : 4 wires
  2)Interphone : 4 wires
- **Distance** : To camera unit : 50m(ϕ0.65) / To interphone : 20m(ϕ0.65)
- **Communication** : Hands free
- **On-screen duration** : 60 $\pm$30 sec
- **Temperature** : 0°C ~ +40°C (32°F ~ 104°F)
- **Image record** : 128 cuts(CDV-50AM)
- **Dimension** : 245 x 175 x 45(mm)

Features

- Connectable up to 2 monitors 2 cameras and 2 interphone.
- Interphone extension available DP-4VH or DP-4VR
- Reviewing the image of a visitor when being away(CDV-50AM)

Functions

- Built in image memory(CDV-50AM)
- Monitoring a entrance
- Talk with a visitor
- Intercom function(DP-4VH or DP-4VR)
- Door lock release

CONNECTING DIAGRAM

CAMERA1

Power

Door Release

CAM1

CAMERA2

Power

Door Release

CAM2

INTERPHONE

INTER

Recommended Products

- Door cameras

DRC-4CH DRC-40CS DRC-41CSN DRC-4CAN DRC-4CG DRC-4CP DRC-nAC

- Interphone

DP-4VH DP-4VR

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Video Door Phone
WONDERFUL VIDEO/AUDIO QUALITY OVER 40 YEARS

COMMAX
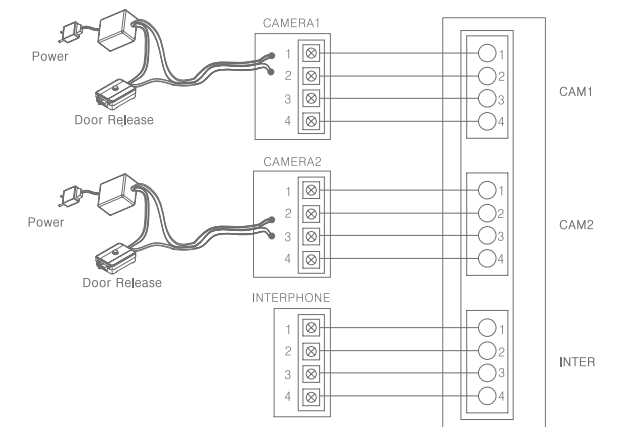
"2 wires"

COLOR VIDEO DOOR PHONE

CDV-52A/52AS(Slave)

2 cameras + 2 monitors + 1 interphone

Save your time, enjoy your life with M.V.P.
An additional monitor and an interphone allow you to talk to a visitor with easy installation with 2 wires only.
Minimalism design with two color-tones makes it elegant looking and simply talk to a visitors with hands-free. LED lamps are applied to around buttons so that user can see the status of operation.

SYSTEM DIAGRAM

CDV-52AS
DP-4VH
CDV-52A
DRC-22CAN
DRC-22CS
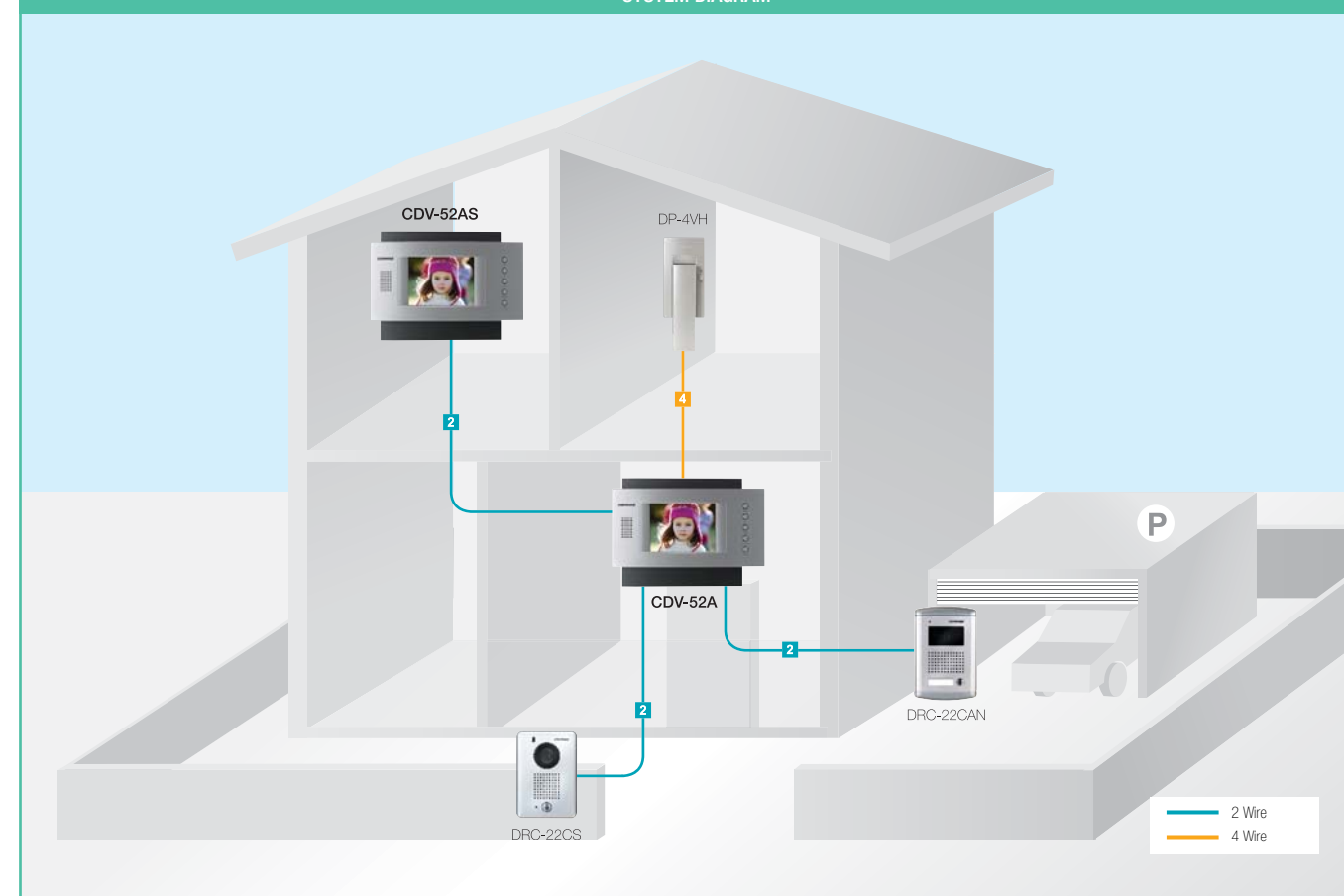
2 Wire
4 Wire

Specifications

- **Power source** : DC 17V, 15 W
- **Display** : 5 inch TFT LCD
- **Mounting type** : Wall surface mounted type
- **Wiring** : 1)Camera unit : 2 wires
                   2)Interphone : 4 wires
- **Distance** : To camera unit : 50m(Φ0.65) / To interphone : 20m(Φ0.65)
- **Communication** : Hands free
- **On-screen duration** : 60 ±30 sec
- **Temperature** : 0°C ~ +40°C (32°F ~ 104°F)
- **Dimension** : 245 x 175 x 45(mm)

Features

- Easy installation with 2 wiring method in non-polar.
- Connectable up to 2 Monitors 2 Cameras and 1 interphone.
- Additional monitor unit is compatible CDV-52AS.
- Interphone extension available DP-4VH or DP-4VR

Functions

- Monitoring a entrance
- Talk with a visitor
- Intercom function(DP-4VH or DP-4VR)
- Door lock release

Recommended Products

- Door cameras
- Interphone

DRC-22CS   DRC-22CAN   DP-4VH   DP-4VR

CONNECTING DIAGRAM

CDV-52A
Power
Door Release
CAM1
+ DC INPUT -
Power
Door Release
CAM2
INTER PHONE
SLAVE PHONE
1 2
1 2
1 2 3 4
1 2

CDV-52A
+ DC INPUT -
CDV-52AS
+ DC INPUT -
TO MASTER (CDV-52A)   1 2
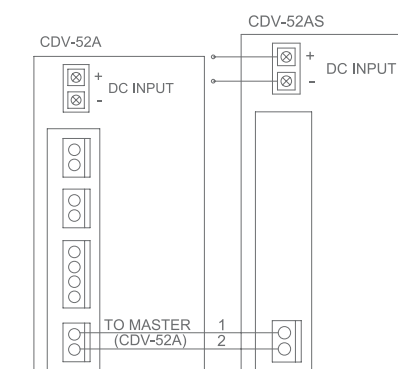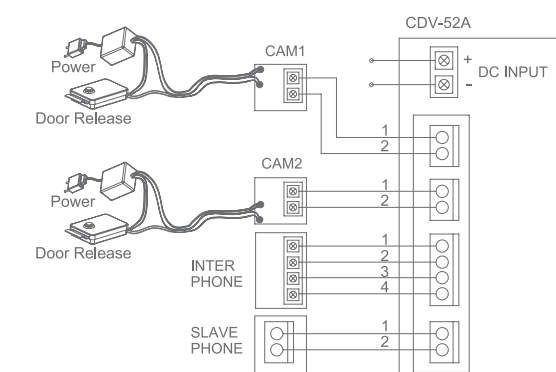
Video Door Phone
WONDERFUL VIDEO/AUDIO QUALITY OVER 40 YEARS

COLOR VIDEO DOOR PHONE

CAV-50T
Telephone video door phone

A wide type with separate surface and a unique handset mount create an original and Stylish look.
White pearl is used to emphasize its luxurious design, it is suitable for various interiors.
Making a call makes user convenient life

SYSTEM DIAGRAM
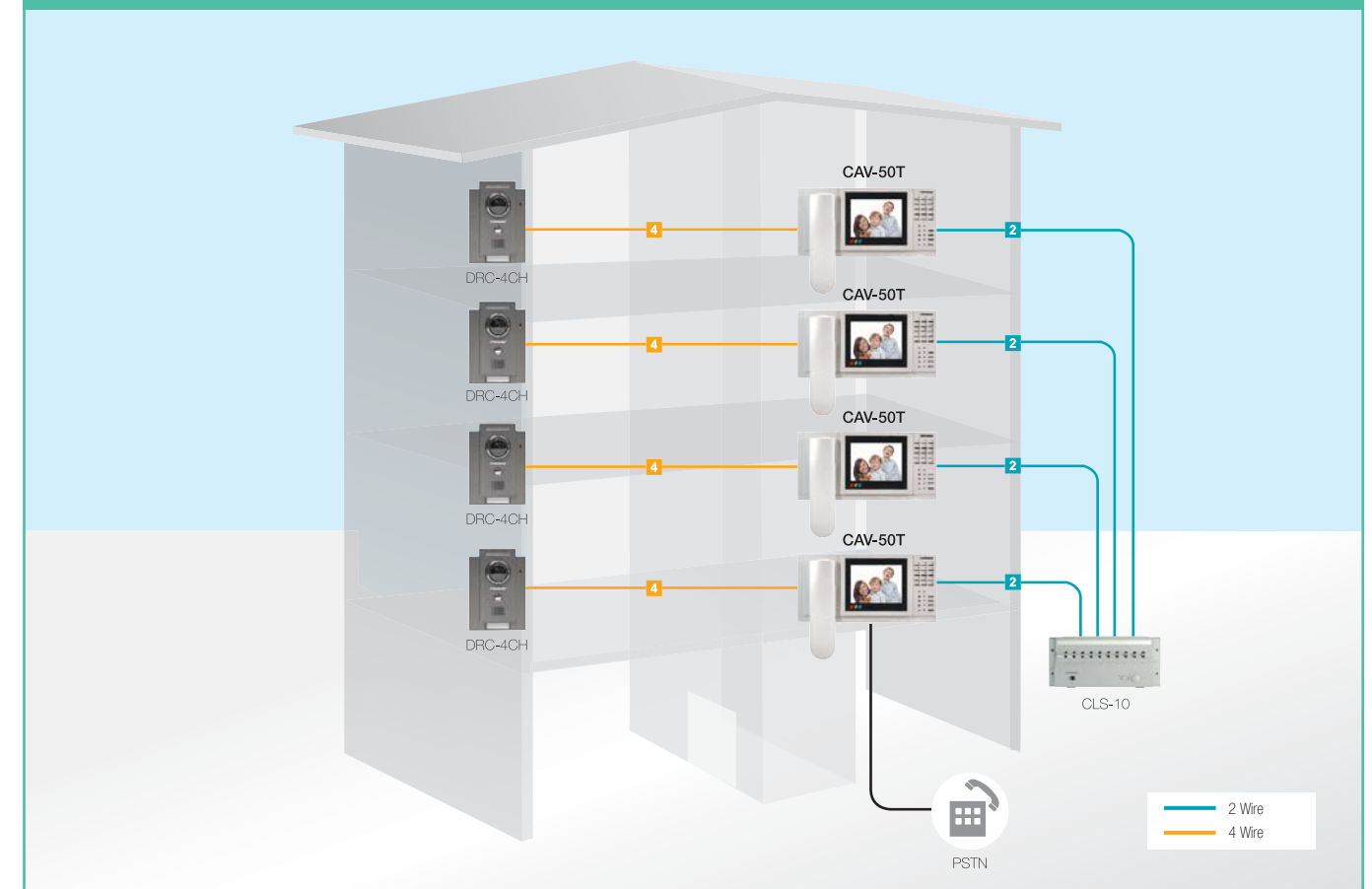
CAV-50T
CAV-50T
CAV-50T
CAV-50T

DRC-4CH
DRC-4CH
DRC-4CH
DRC-4CH

CLS-10

PSTN

— 2 Wire
— 4 Wire

Specifications

- **Power source** : AC 100V-240V, 50/60Hz(Free voltage) / 15W
- **Display** : 5 inch TFT LCD
- **Mounting type** : Wall surface mounted type
- **Wiring** : 1)Camera unit : 4 wires
  2)Guard unit (CLS-10) : 12 wires
- **Distance** : To camera unit : 50m(ϕ0.65)
- **Communication** : Handset
- **On-screen duration** : 60 $\pm$ 30 sec
- **Temperature** : 0°C ~ +40°C (32°F ~ 104°F)
- **Dimension** : 285 x 140 x 46(mm)

Functions

- Telephone function
- Guard station talk(CLS-10 only)
- Monitoring a entrance
- Talk with a visitor
- Door lock release

CONNECTING DIAGRAM

| 1 | RED | | Telephone |
| 2 | BLUE | | |

1	RED	IN	
2	BLUE	GND	Door Camera
3	YELLOW	B+	
4	WHITE	VD	

| 1 | RED | | Guardhouse |
| 2 | BLUE | | |

Recommended Products

- Door cameras

DRC-4CH   DRC-40CS   DRC-41CSN   DRC-4CAN   DRC-4CG   DRC-4CP   DRC-nAC

Video Door Phone
WONDERFUL VIDEO/AUDIO QUALITY OVER 40 YEARS

Home Network System

Home Automation System

Multi Entry Strategy System

Video Door phone

TV Phone

Door Camera Unit

Door phone

Interphone & Intercom

Digital Door Lock

COLOR VIDEO DOOR PHONE

CDV-50/50D(DC type)
SIMPLE MANIA

It offers you a convenient life as seeing visitors before opening the door.
Simple style with powerful functions shall match your home in modern.

SYSTEM DIAGRAM
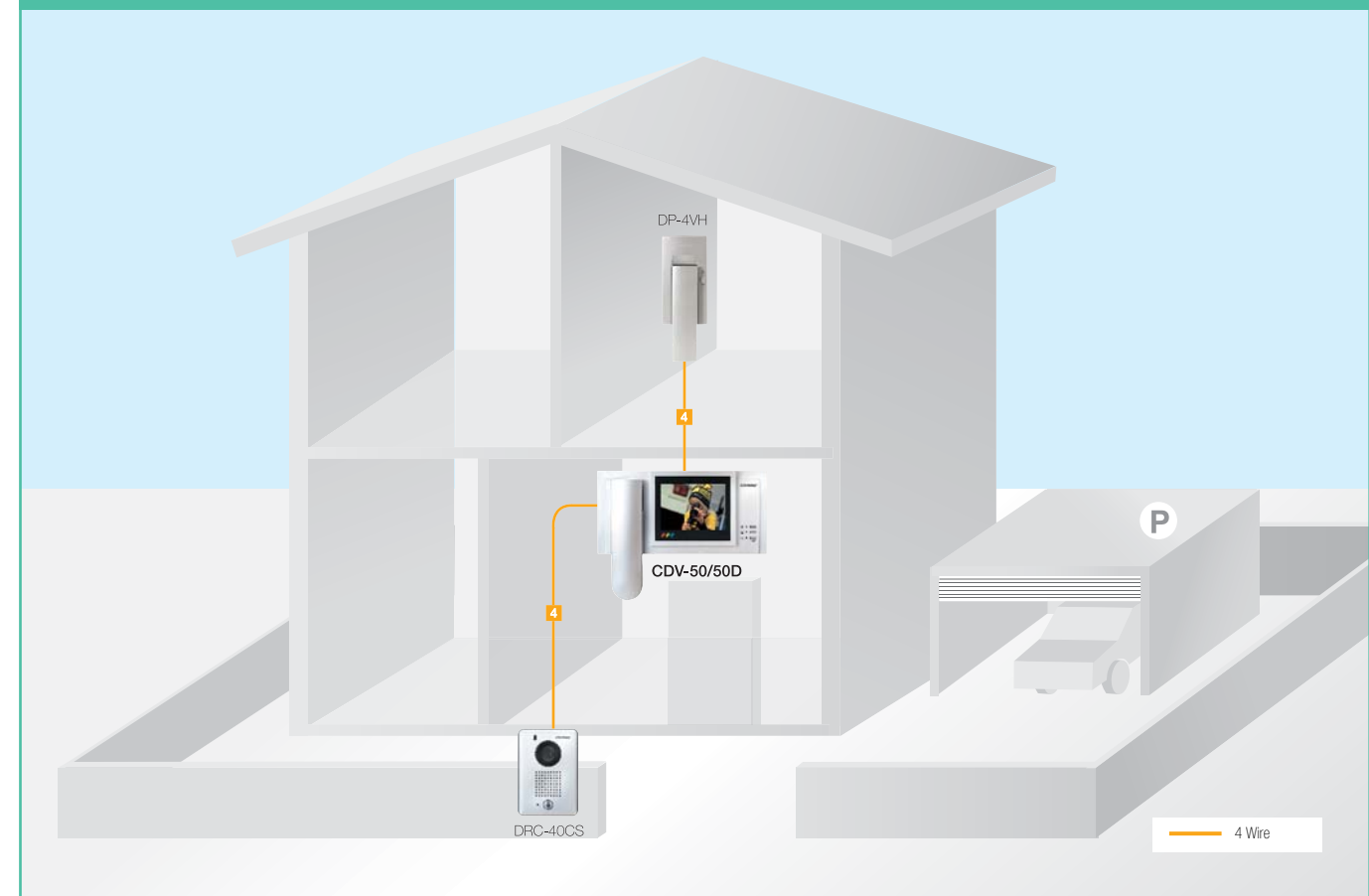
DP-4VH

CDV-50/50D

DRC-40CS

P

4 Wire

Specifications

- **Power source** : AC 100V-240V, 50/60Hz(Free voltage) /15W
- **Display** : 5 inch TFT LCD
- **Mounting type** : Wall surface mounted type
- **Wiring** : 1)Camera unit : 4 wires
  2)Interphone : 4 wires
- **Distance** : To camera unit : 50m(ϕ0.65) / To interphone : 20m(ϕ0.65)
- **Communication** : Handset
- **On-screen duration** : 60 $\pm$ 30 sec
- **Temperature** : 0°C ~ +40°C (32°F ~ 104°F)
- **Dimension** : 285 x 140 x 46(mm)

Features

- Optional installation by using AC or DC power supply product(CDV-50/50D)
- Interphone extension available DP-4VH or DP-4VR

Functions

- Monitoring a entrance
- Talk with a visitor
- Intercom function(DP-4VH or DP-4VR)
- Door lock release

CONNECTING DIAGRAM

CDV-50

DC 18V/1A

CAMERA (DRC-4CA)

RED
BLUE
YELLOW
WHITE

DOOR RELEASE

INTERPHONE
DP-4VH

RED
BLUE
YELLOW
WHITE

ADAPTER POWER

Recommended Products

- Door cameras

DRC-4CH   DRC-40CS   DRC-41CSN   DRC-4CAN   DRC-4CG   DRC-4CP   DRC-nAC

- Interphone

DP-4VH   DP-4VR

Video Door Phone
WONDERFUL VIDEO/AUDIO QUALITY OVER 40 YEARS

COMMAX
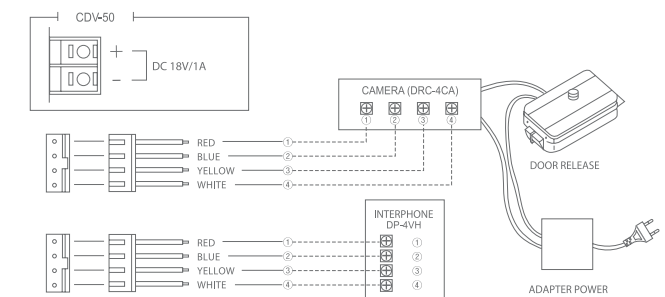
B/W VIDEO DOOR PHONE-NEAT

DPV-4LH
2Cameras+2Monitors+1Interphone

With family look and neat design, it is suitable for various places. Geometric surface design with hands-free talk creates a simple and temperate style

SYSTEM DIAGRAM

DPV-4LH
DP-4VH
4
4
DPV-4LH
4
4
DRC-4BH
P
DRC-40BS
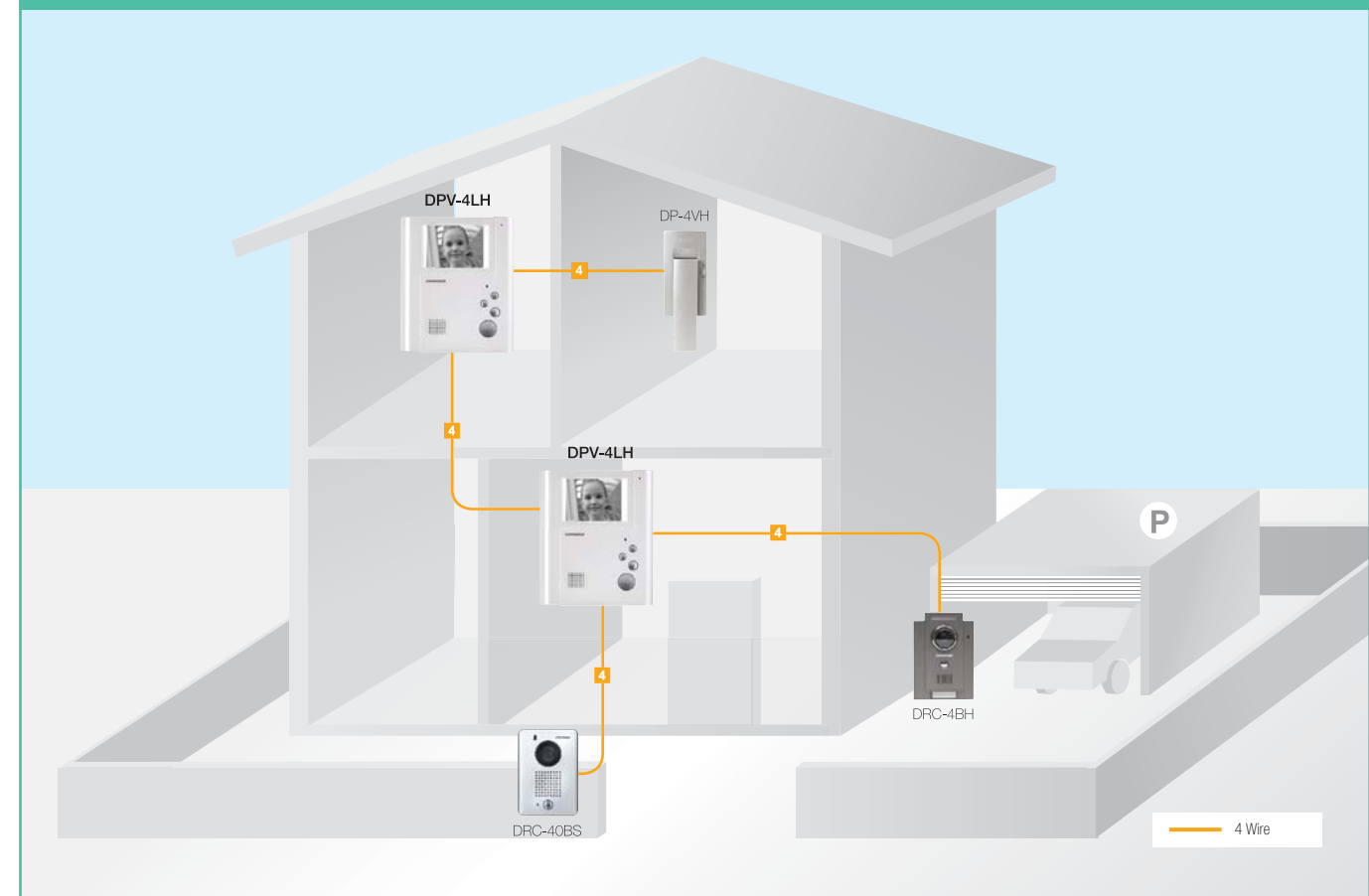
4 Wire

Specifications

- **Power source** : AC 100V-240V, 50/60Hz(Free voltage) /16W
- **Display** : 4 inch flat CRT
- **Mounting type** : Wall surface mounted type
- **Wiring** : 1)Camera unit : 4 wires
      2)Interphone : 4 wires
- **Distance** : To camera unit : 50m(Φ0.65) / To interphone : 20m(Φ0.65)
- **Communication** : Hands-free
- **On-screen duration** : 60 $\pm$30 sec
- **Temperature** : 0°C ~ +40°C (32°F ~ 104°F)
- **Dimension** : 190 x 226 x 48(mm)

Features

- Suitable for home interior with the design concept of puzzle type.
- It offers high video quality by adopting high resolution 4 inch B/W flat CRT.
- Designed to use 2 cameras in larger house.
- Connectable up to 2 Monitors 2 Cameras and 1 interphone.
- Interphone extension available DP-4VH or DP-4VR

Functions

- Monitoring a entrance
- Talk with a visitor
- Intercom function(DP-4VH or DP-4VR)
- Door lock release

CONNECTING DIAGRAM

DPV-4LH

CAMERA 1 CAMERA 2 INTER PHONE SELECT
ON
1 2 3 4   1 2 3 4   1 2 3 4   CAMERA 1 CAMERA 2

DOOR RELEASE POWER

DOOR RELEASE

Recommended Products

- Door cameras

DRC-40P DRC-4BH DRC-40BS DRC-4BAN DRC-403DF DRC-4BG DRC-4BP DRC-nAB

- Interphone

DP-4VH DP-4VR

Video Door Phone
WONDERFUL VIDEO/AUDIO QUALITY OVER 40 YEARS

COMMAX

"2 wires"

B/W VIDEO DOOR PHONE

DPV-2LH/2LHS(Slave)

2 Cameras + 2 Monitors + 1 Interphone

Save your time, enjoy your life with Neat # (Sharp)
An additional monitor and an interphone allow you to talk to visitor with easy Installation with 2 wires only.
With family look and neat design, it is suitable for various places.
Geometric surface design with hands-free talk creates a simple and temperate style.

SYSTEM DIAGRAM

DPV-2LHS
DP-4VH
DPV-2LH
P
DRC-22BAN
DRC-22BS
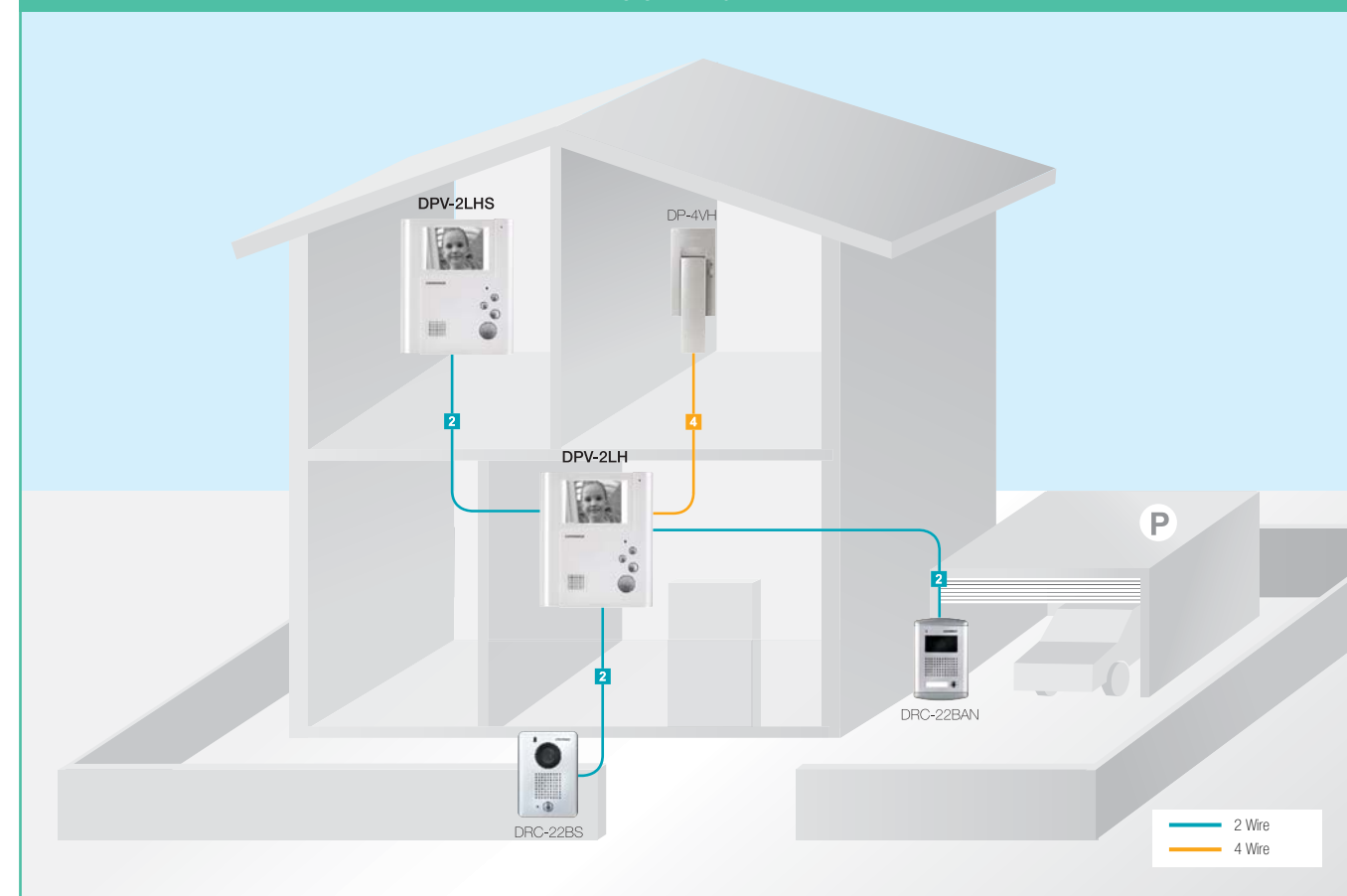
— 2 Wire
— 4 Wire

Specifications

- **Power source** : DC 17V, 15 W
- **Display** : 4 inch flat CRT
- **Mounting type** : Wall surface mounted type
- **Wiring** : 1)Camera unit : 2 wires
  2)Interphone : 4 wires
- **Distance** : To camera unit : 50m(Φ0.65) / To interphone : 20m(Φ0.65)
- **Communication** : Hands free
- **On-screen duration** : 60 ±30 sec
- **Temperature** : 0°C ~ +40°C (32°F ~ 104°F)
- **Dimension** : 190 x 226 x 48(mm)

Features

- Easy installation with 2 wiring method in non-polar.
- Connectable up to 2 monitors 2 cameras and 1 interphone.
- Additional monitor unit is compatible DPV-2LHS
- Interphone extension available DP-4VH or DP-4VR

Functions

- Monitoring a entrance
- Talk with a visitor
- Intercom function(DP-4VH or DP-4VR)
- Door lock release

CONNECTING DIAGRAM

DPV-2LH

| SLAVE PHONE | INTER PHONE | CAMERA 1 | CAMERA 2 |

1 2   1 2 3 4   1 2   1 2

Recommended Products

- Door cameras
- Interphone

DRC-22BS   DRC-22BAN   DP-4VH   DP-4VR

127
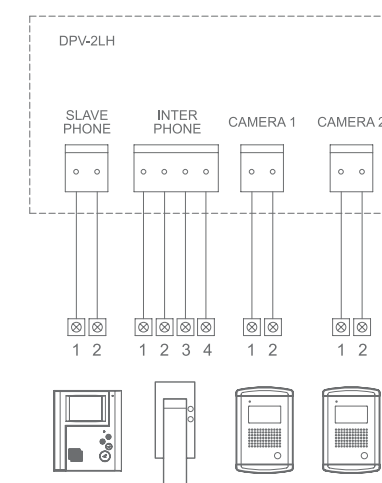
Video Door Phone
WONDERFUL VIDEO/AUDIO QUALITY OVER 40 YEARS

B/W VIDEO DOOR PHONE

DPV-nA/nAS(Slave)

Classic Mania

Fashionable design matches to various interiors.
Monitoring up to 3 cameras and talking to visitors anywhere in a house with up to 4 sub monitors keep your home in safety.
With 64 visitor's image record, you see who visit your home.

SYSTEM DIAGRAM
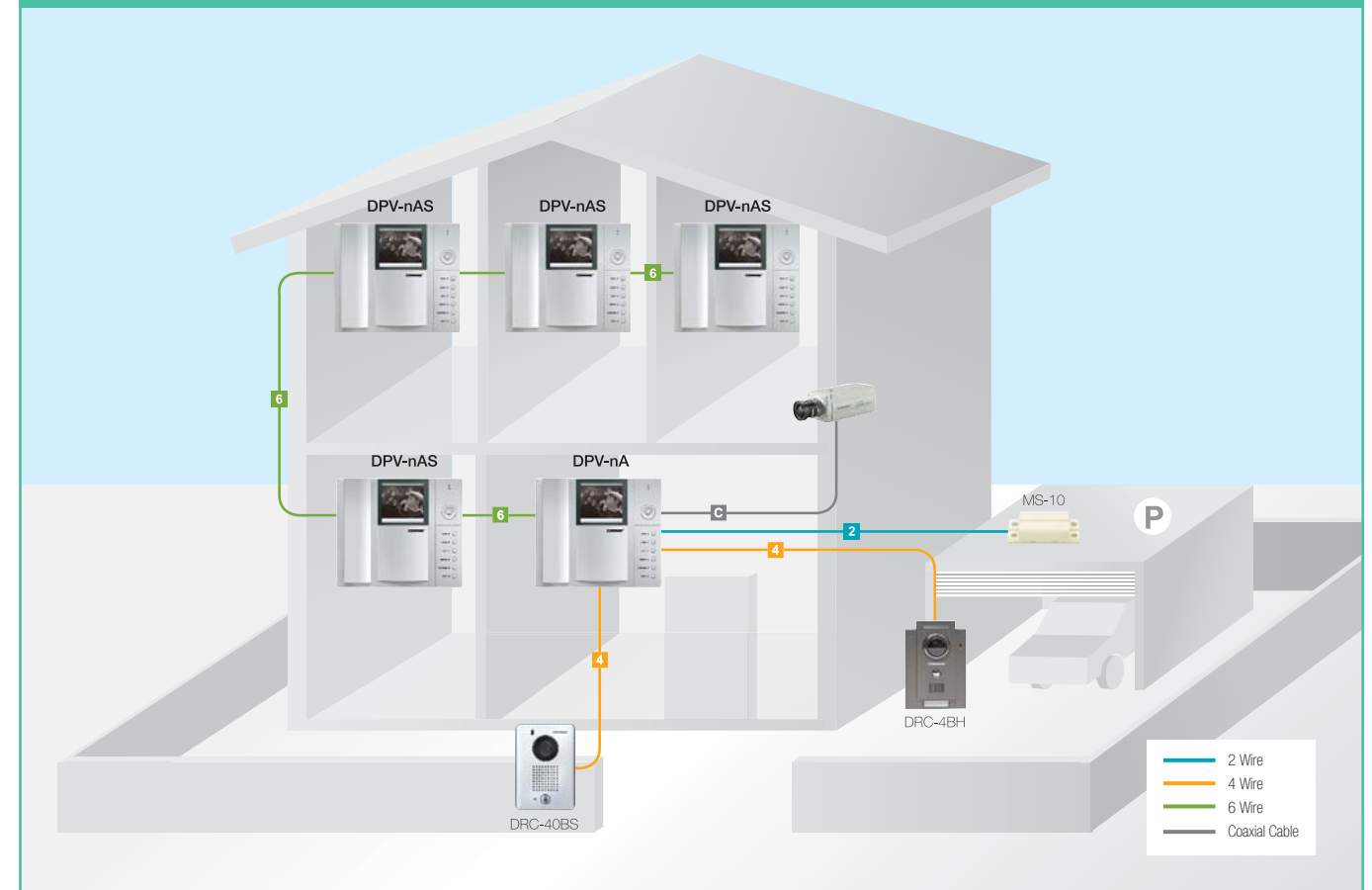
- 2 Wire
- 4 Wire
- 6 Wire
- Coaxial Cable

Specifications

- **Power source** : AC 100V-240V, 50/60Hz(Free voltage) / 19W
- **Display** : 4 inch flat CRT
- **Mounting type** : Wall surface mounted type
- **Wiring** : 1)Camera unit : 4 wires
  2)Sub monitor : 6 wires
- **Distance** : To camera unit : 50m(Φ0.65) / To sub monitor : 20m(Φ0.65)
- **Communication** : Handset
- **On-screen duration** : 60 ±30 sec
- **Temperature** : 0°C ~ +40°C (32°F ~ 104°F)
- **Image record** : 128 cuts(CDV-50AM)
- **Dimension** : 240 x 208 x 57(mm)

Features

- Connectable up to 5 monitors and 3 cameras
- Security zone by magnetic sensors (Recommended product : MS-10)
- Up to 3 cameras(Inter-choice : CCTV camera or door camera unit)
- Additional 4 video door phone are compatible DPV-nAS.
- Reviewing the image of a visitor when being away
- Easy control with OSD menu

Functions

- Built in image memory
- **Security** : Intruder alarm
- Monitoring a entrance
- Talk with a visitor • Intercom function
- Door lock release • OSD interface

CONNECTING DIAGRAM

Magnetic Switch

Sub 1
Sub 2
Master Unit
UTB CAT.5
Next Room Unit
Sub Unit

Recommended Products

- Door cameras

DRC-40P   DRC-4BH   DRC-40BS   DRC-4BAN   DRC-403DF   DRC-4BG   DRC-4BP   DRC-nAB

Home Network System | Home Automation System | Multi Entry Strategy System | Video Door phone | TV Phone | Door Camera Unit | Door phone | Interphone & Intercom | Digital Door Lock
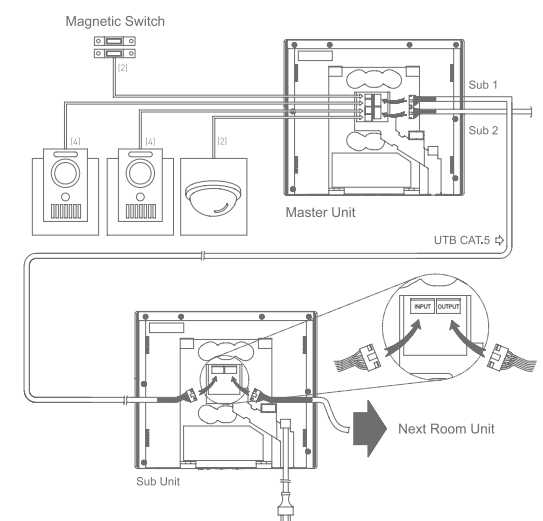
Video Door Phone
WONDERFUL VIDEO/AUDIO QUALITY OVER 40 YEARS

B/W VIDEO DOOR PHONE

DPV-4PN
Best ever

Linear proportion and dynamic design make a fine view.
Strong and reliable design is applied.
White creates a modern style.
With optional 64 visitor's image record, you see who visit your home.
World popular and best seller in 21st century.
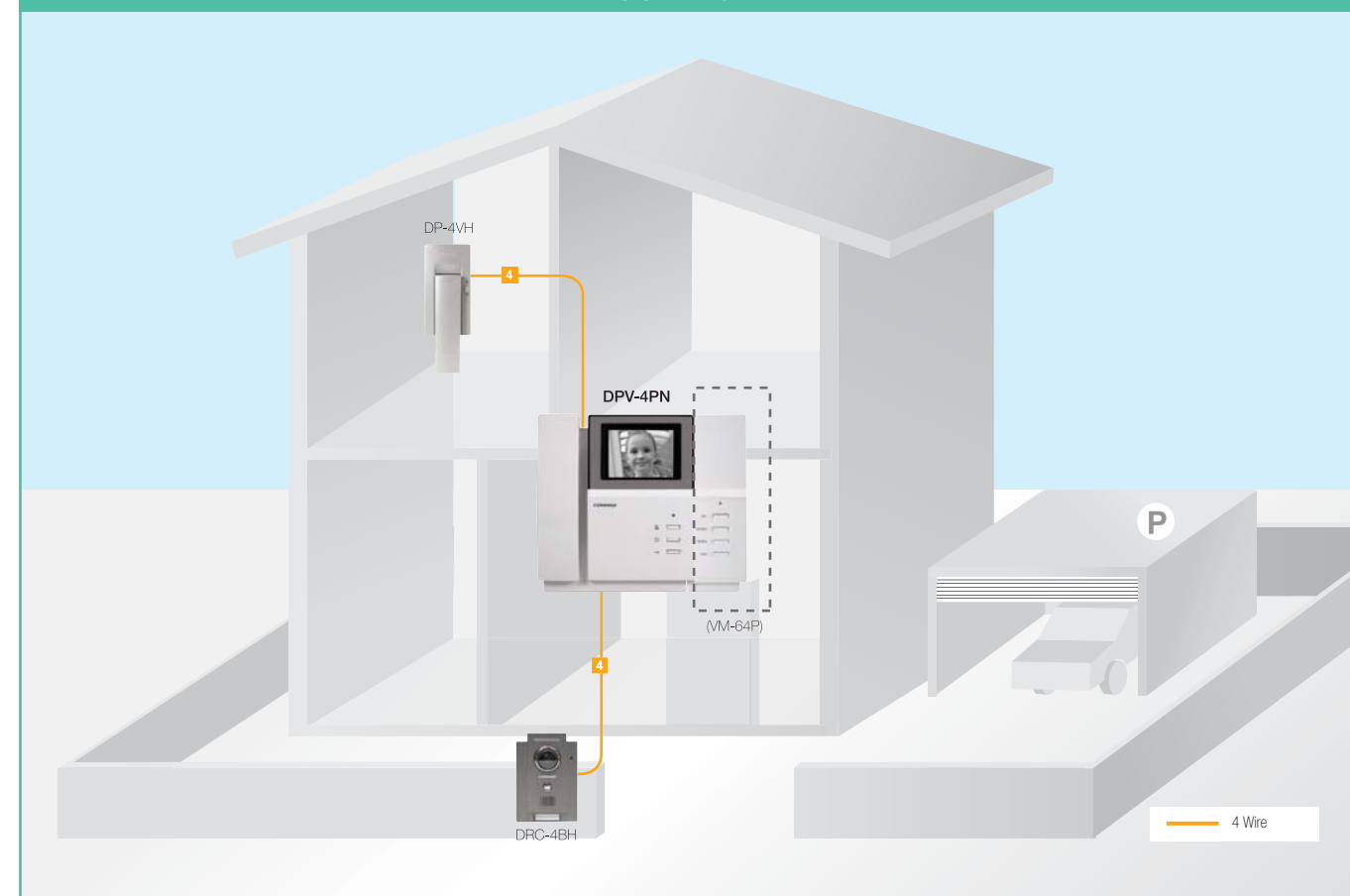
SYSTEM DIAGRAM

DP-4VH
DPV-4PN
(VM-64P)
DRC-4BH
4 Wire

Specifications

- **Power source** : AC 100V-240V, 50/60Hz(Free voltage) / 19W
- **Display** : 4 inch flat CRT
- **Mounting type** : Wall surface mounted type
- **Wiring** : 1)Camera unit : 4 wires
            2)Interphone : 4 wires
            3)Image memory : 7 wires
- **Distance** : To camera unit : 50m(Φ0.65) / To interphone : 20m(Φ0.65)
- **Communication** : Handset
- **On-screen duration** : 60 $\pm$30 sec
- **Temperature** : 0°C ~ +40°C (32°F ~ 104°F)
- **Image record** : 64 cuts(Optional)
- **Dimension** : 196 x 220 x 58(mm)

Features

- Reviewing the image of a visitor when being away (Optional/ Recommended products VM-64P)
- Interphone extension available DP-4VH or DP-4VR
- Easy installation by using 4 wiring method

Functions

- Monitoring a entrance
- Talk with a visitor
- Intercom function
- Door lock release

CONNECTING DIAGRAM

MONITOR / CAMERA / ELECTRIC DOOR KEY / INTERPHONE (OPTION) / POWER SOURCE / PIN SHORT / PICTURE MEMORY (OPTION)

Recommended Products

- Door cameras

DRC-4BH DRC-40BS DRC-4BAN DRC-403DF DRC-4BG DRC-4BP DRC-nAB

- Interphone

DP-4VH DP-4VR

Home Network System | Home Automation System | Multi Entry Strategy System | Video Door phone | TV Phone | Door Camera Unit | Door phone | Interphone & Intercom | Digital Door Lock

Video Door Phone
WONDERFUL VIDEO/AUDIO QUALITY OVER 40 YEARS

B/W VIDEO DOOR PHONE

DPV-4KE

Best ever

Linear proportion and curve volume make a fine view.
Strong and reliable design is applied.
White creates a modern style.
World popular and best seller in 21st century.
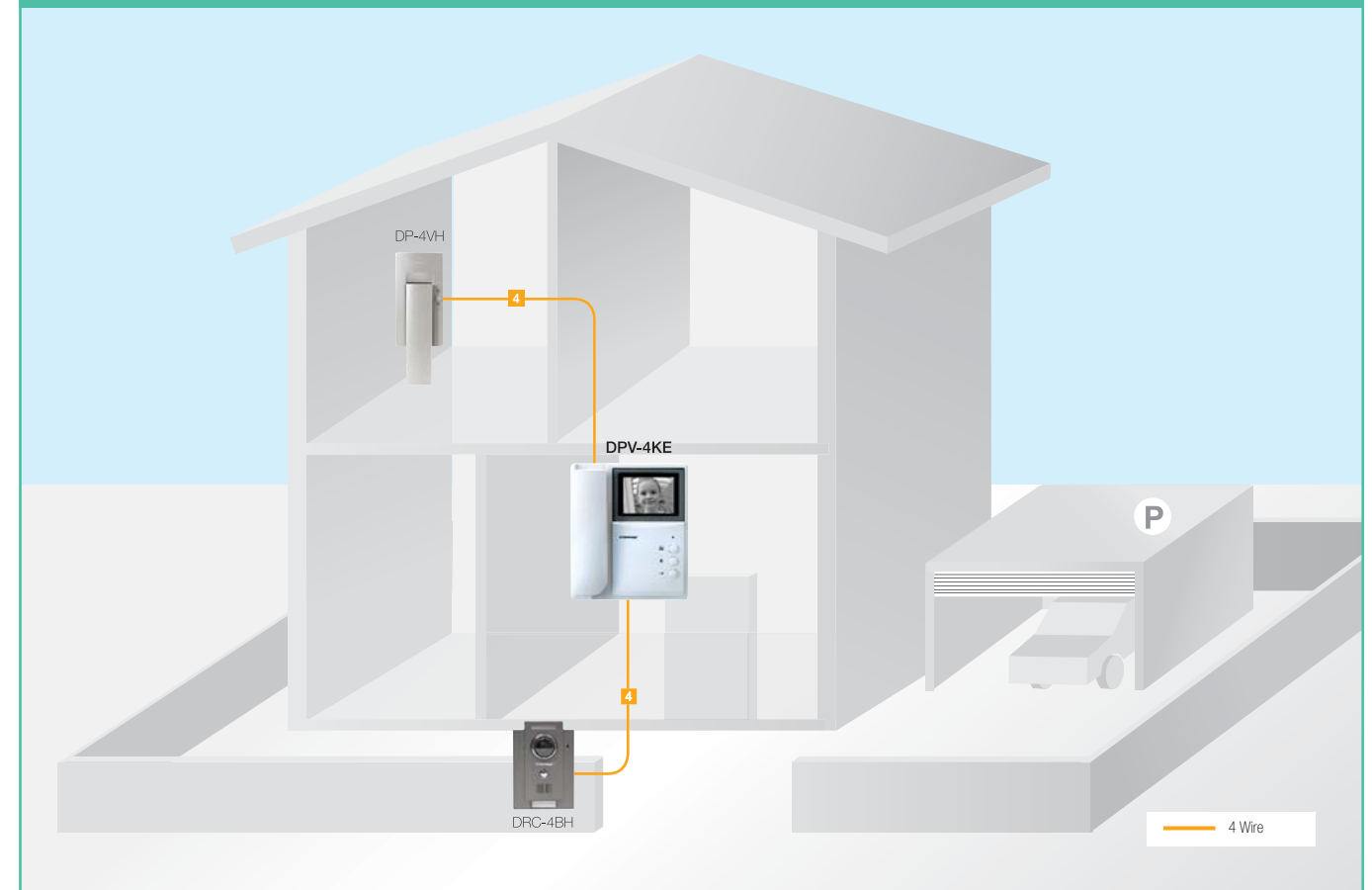
SYSTEM DIAGRAM

DP-4VH

DPV-4KE

P

DRC-4BH

4 Wire

Specifications

• **Power source** : AC 100V-240V, 50/60Hz(Free voltage) / 19W
• **Display** : 4 inch flat CRT
• **Mounting type** : Wall surface mounted type
• **Wiring** : 1)Camera unit : 4 wires
　　　　　　2)Interphone : 4 wires
• **Distance** : To camera unit 50m(ϕ0.65) / To interphone 30m(ϕ0.65)
• **Communication** : Handset
• **On-screen duration** : 60 $\pm$ 30 sec
• **Temperature** : 0°C ~ +40°C (32°F ~ 104°F)
• **Dimension** : 191 x 222 x 56(mm)

Features

• Interphone extension available DP-4VH or DP-4VR
• Easy installation by using 4 wiring method

Functions

• Monitoring a entrance
• Talk with a visitor
• Intercom function
• Door lock release

CONNECTING DIAGRAM

1　　2

1 2 3 4　1 2 3 4

1　2　3　4　　　1　2　3　4

Door Unit　　　　　　　　Interphone (DP-4VH)

Power Source　　Door Release

Recommended Products

• Door cameras

DRC-4BH　DRC-40BS　DRC-4BAN　DRC-403DF　DRC-4BG　DRC-4BP　DRC-nAB

• Interphone

DP-4VH　　DP-4VR

Video Door Phone
WONDERFUL VIDEO/AUDIO QUALITY OVER 40 YEARS

COMMAX

MIC

DOOR

OPEN

TALK

B/W VIDEO DOOR PHONE

DPV-KV
TP-9KV/5KV
COMBY

Combination of video & audio door phone.
In the house, office and hospital, COMBY provides you with remarkable convenience and safety.

SYSTEM DIAGRAM

TP-5KV   TP-5KV

TP-5KV   TP-5KV

TP-5KV   **DPV-KV/TP-nKV**

P

DRC-DW2
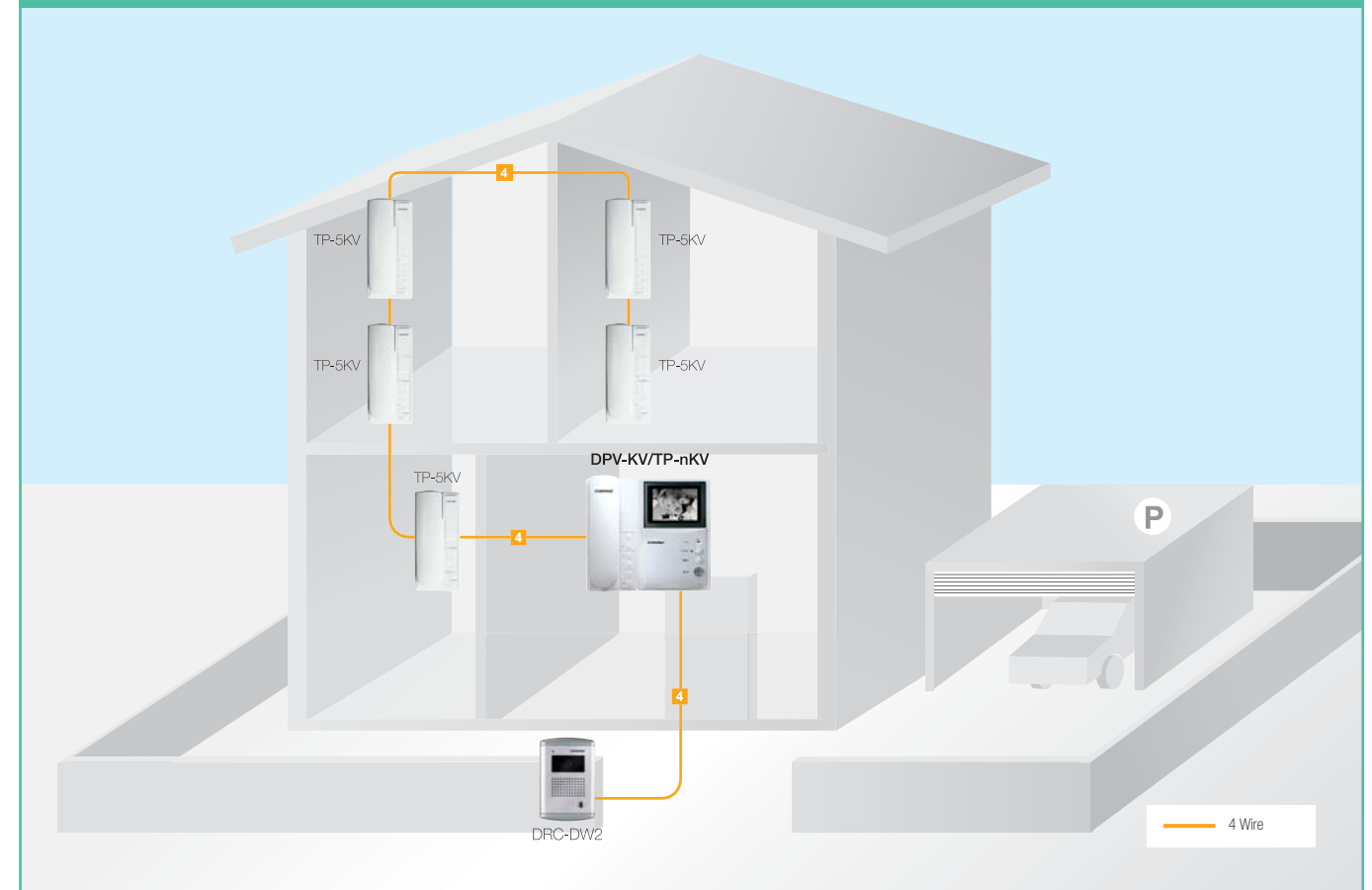
4 Wire

Specifications

- **Power source** : 1)DPV-KV : DC17V
  2)TP-nKV : DC 12V / 15W
- **Display** : 4 inch flat CRT
- **Mounting type** : Wall surface mounted type
- **Wiring** : 1)DPV-KV : 2 wires(Coaxial cable)
  2)TP-nKV : 4 wires
- **Distance** : DPV-KV : 200m / TP-nKV : 500m
- **Communication** : Handset
- **On-screen duration** : 60±30 sec
- **Temperature** : 0°C ~ +40°C (32°F ~ 104°F)
- **Dimensions** : 1)DPV-KV : 139 x 215 x 55(mm)
  2)TP-nKV : 98 x 215 x 38(mm)

Features

- Multi-functional product combined video door phone with interphone function
- Additional up to 9(5) interphones are compatible, TP-9(5)KV

Functions

- Monitoring a entrance
- Talk with a visitor
- Intercom function
- Door lock release

CONNECTING DIAGRAM

Door Unit

Door Release

Power Source

Extend to Interphone

CN5

CN5

Monitor (DPV-KV)   Interphone   Interphone
DC17V   (TP-nKV)   (TP-nKV)

Extend to Monitor

DC17V

Interphone
(TP-nKV)
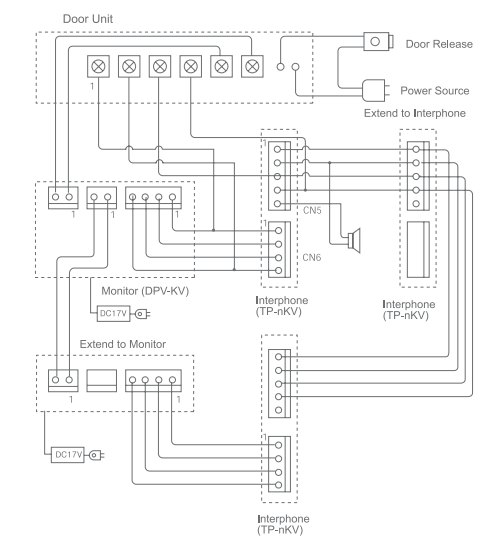
Recommended Products

- Door cameras

DRC-DW2

Video Door Phone
WONDERFUL VIDEO/AUDIO QUALITY OVER 40 YEARS

B/W VIDEO DOOR PHONE

DPV-4NT
Video door phone built-in telephone function

DPV-4NT was developed and designed to offer excellent quality, features and benefits, elegant design and price, by means of usage of all advantages coming through of the manufacturing and R&D experiences, from COMMAX capacity, that specialized in production of video communication equipment for over 40 years.

SYSTEM DIAGRAM

PSTN

DPV-4NT

P

DRC-4BH
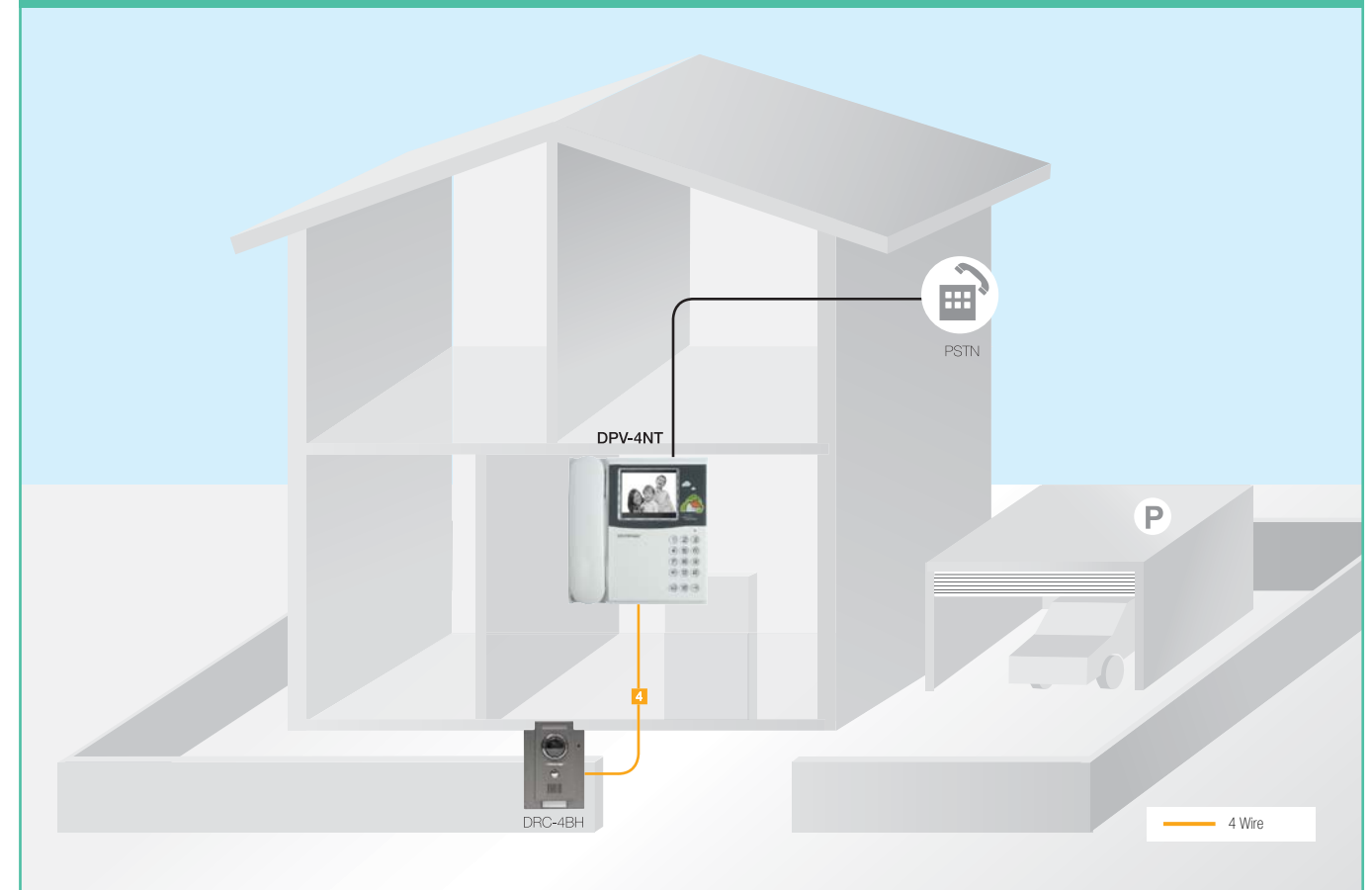
4 Wire

Specifications

- **Power source** : AC 100V-240V, 50/60Hz(Free voltage) / 13W
- **Display** : 4 inch flat CRT
- **Mounting type** : Wall surface mounted type
- **Wiring** : 1)Camera unit : 4 wires
  2)Telephone : 2 wires
- **Distance** : To camera unit : 50m(ϕ 0.65)
- **Communication** : Handset
- **On-screen duration** : 60 $\pm$ 30 sec
- **Temperature** : 0°C ~ +40°C (32°F ~ 104°F)
- **Dimension** : 213 x 220 x 58(mm)

Features

- Easy usage with the built-in telephone function
- Designed and developed to be easily installed by direct 4 wiring method.

Functions

- Telephone function
- Monitoring a entrance
- Talk with a visitor
- Door lock release
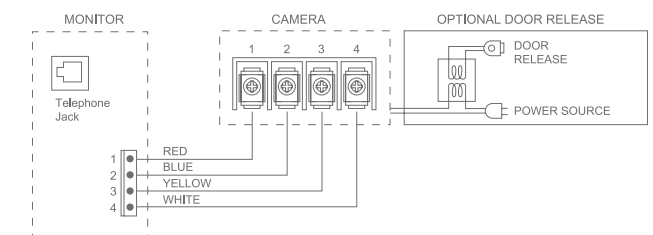
CONNECTING DIAGRAM

MONITOR   CAMERA   OPTIONAL DOOR RELEASE

Telephone Jack   1 2 3 4   DOOR RELEASE

POWER SOURCE

1 RED
2 BLUE
3 YELLOW
4 WHITE

Recommended Products

- Door cameras

DRC-40BS   DRC-4BAN   DRC-4BA   DRC-4BG   DRC-4BP   DRC-403DF

Video Door Phone
WONDERFUL VIDEO/AUDIO QUALITY OVER 40 YEARS

P-Series

B/W VIDEO DOOR PHONE

DPV-4P Series /VM-64P

Designed by Multi-Feature

Providing high definition image, COMMAX P-series will give you a big satisfaction with easy installation and various types to choose.

SYSTEM DIAGRAM
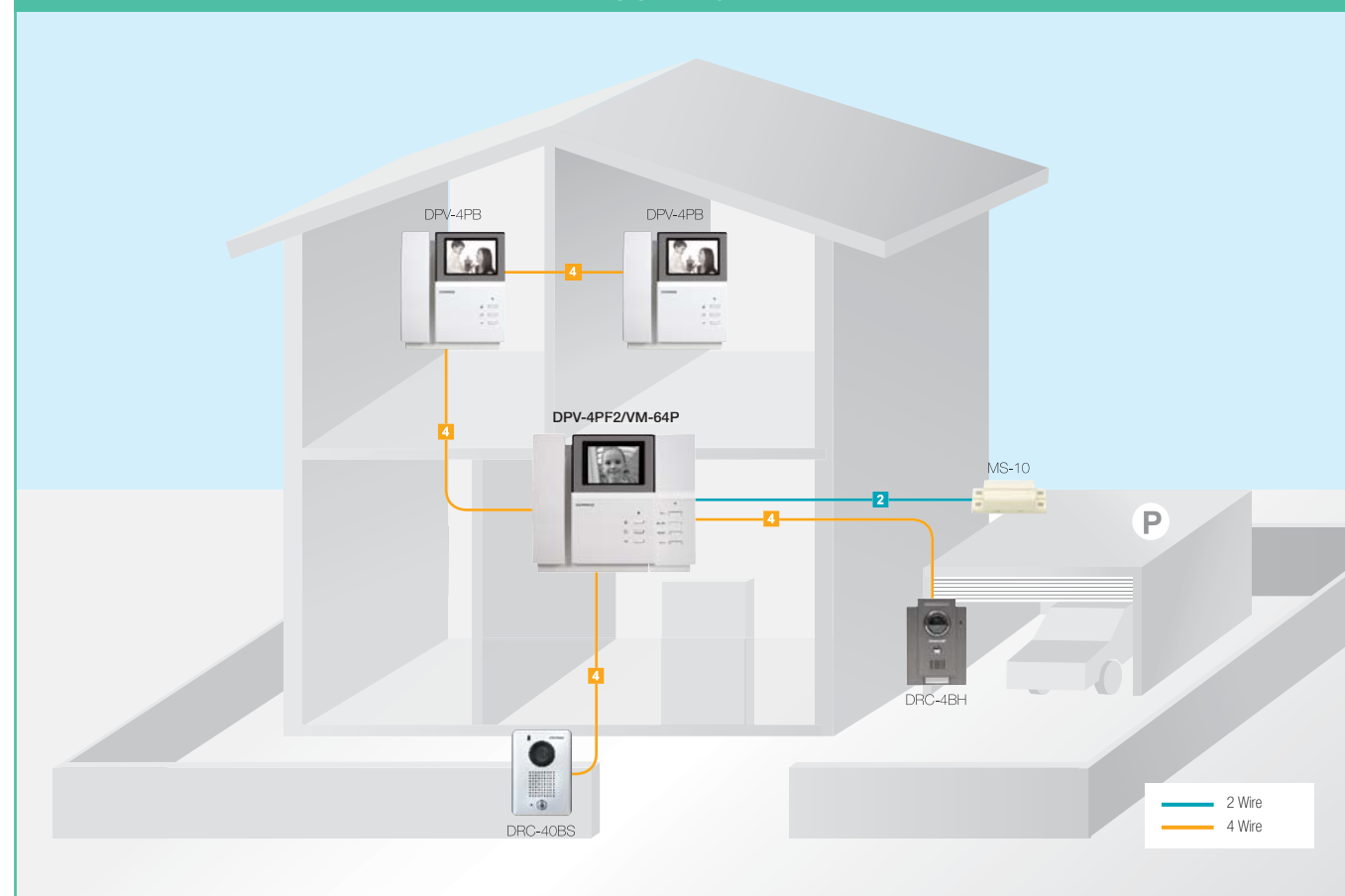
DPV-4PB   DPV-4PB
DPV-4PF2/VM-64P
MS-10
P
DRC-4BH
DRC-40BS

— 2 Wire
— 4 Wire

Specifications

- **Power source** : AC 100V-240V, 50/60Hz(Free voltage) / 19W
- **Display** : 4 inch flat CRT
- **Mounting type** : Wall surface mounted type
- **Wiring** : 1)Camera unit : 4 wires
  2)Interphone : 4 wires
  3)Image memory : 7 wires
- **Distance** : To camera unit : 50m(Φ0.65) / To interphone : 20m(Φ0.65)
- **Communication** : Handset
- **On-screen duration** : 60 $\pm$30 sec
- **Temperature** : 0°C ~ +40°C (32°F ~ 104°F)
- **Image record** : 64 cuts (Optional)
- **Dimension** : 196 x 220 x 58(mm)

Features

- Various choice of video door phone in accordance with customer needs (Refer to model selection guide)
- Up to 2 cameras, 3 monitors and 1 interphone (DPV-4PF2)
- Reviewing the image of a visitor when being away (DPV-4PM2/4PF2, Recommended products VM-64P)
- Interphone extension available DP-4VH or DP-4VR

Model selection guide

Model	Camera1	Camera2	Camera4	Security	Memory	Additional A/V	DC 17V
DPV-4PE2		○				○	DPV-4PE2D
DPV-4PS2		○		○		○	DPV-4PS2D
DPV-4PM2		○			○	○	DPV-4PM2D
DPV-4PF2		○		○	○	○	DPV-4PF2D
DPV-4PB1	○						DPV-4PB1D
DPV-4PB2		○					DPV-4PB2D
DPV-4PB4			○				X

CONNECTING DIAGRAM
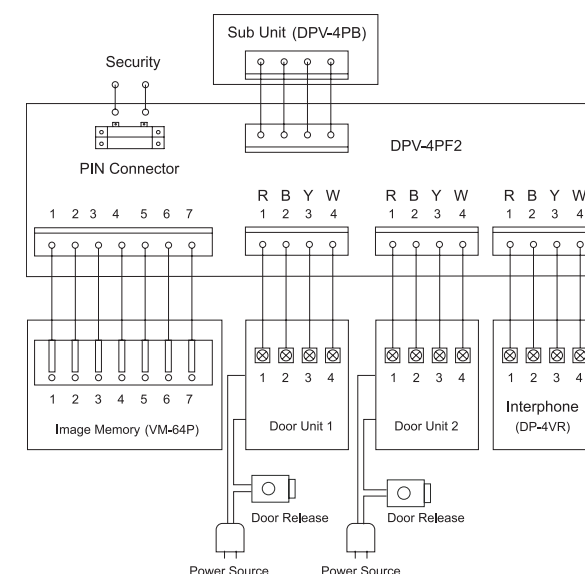
Security
Sub Unit (DPV-4PB)
PIN Connector
DPV-4PF2
1 2 3 4 5 6 7
R B Y W   R B Y W   R B Y W
1 2 3 4   1 2 3 4   1 2 3 4
1 2 3 4 5 6 7   1 2 3 4   1 2 3 4   1 2 3 4
Image Memory (VM-64P)   Door Unit 1   Door Unit 2   Interphone (DP-4VR)
Door Release   Door Release
Power Source   Power Source

Functions

- Monitoring a entrance
- Talk with a visitor
- Intercom function
- Door lock release

TV Phone

COMMAX kitchen TV phone consists of a basic receiver that receives TV signals, a monitor that displays video signals and a dial button that implements telephone functions.

It enables users not only to watch TV while cooking in the kitchen and but also to conveniently check visitors without going to the entrance by using such external units as a door camera and a door bell that are installed outside the entrance.

It is characterized by clear images, 270-degree revolution enabling users to watch TV at any angle and convenient receipt of phone calls and checking of visitors in connection with home automation.

And what is more, it is equipped with a convenient speaker phone enabling users to make a phone call in the kitchen, and the telephone number is indicated on LCD at a time of making a call.

TV Phone
WONDERFUL VIDEO/AUDIO QUALITY OVER 40 YEARS

SYSTEM DIAGRAM

TV ANT

PSTN

CDP-1020A

CKV-1020A

DRC-4CH

DRC-600S

4 Wire
6 Wire
LAN

CKV-1020A/700A

High elegant design with aluminum

Modern design of metal body with aluminum strengthens durability that keeps from scratch in use. It is characterized by clear images enabling users to watch TV at any angle and convenient receipt of phone calls and checking of visitors in connection with home automation.
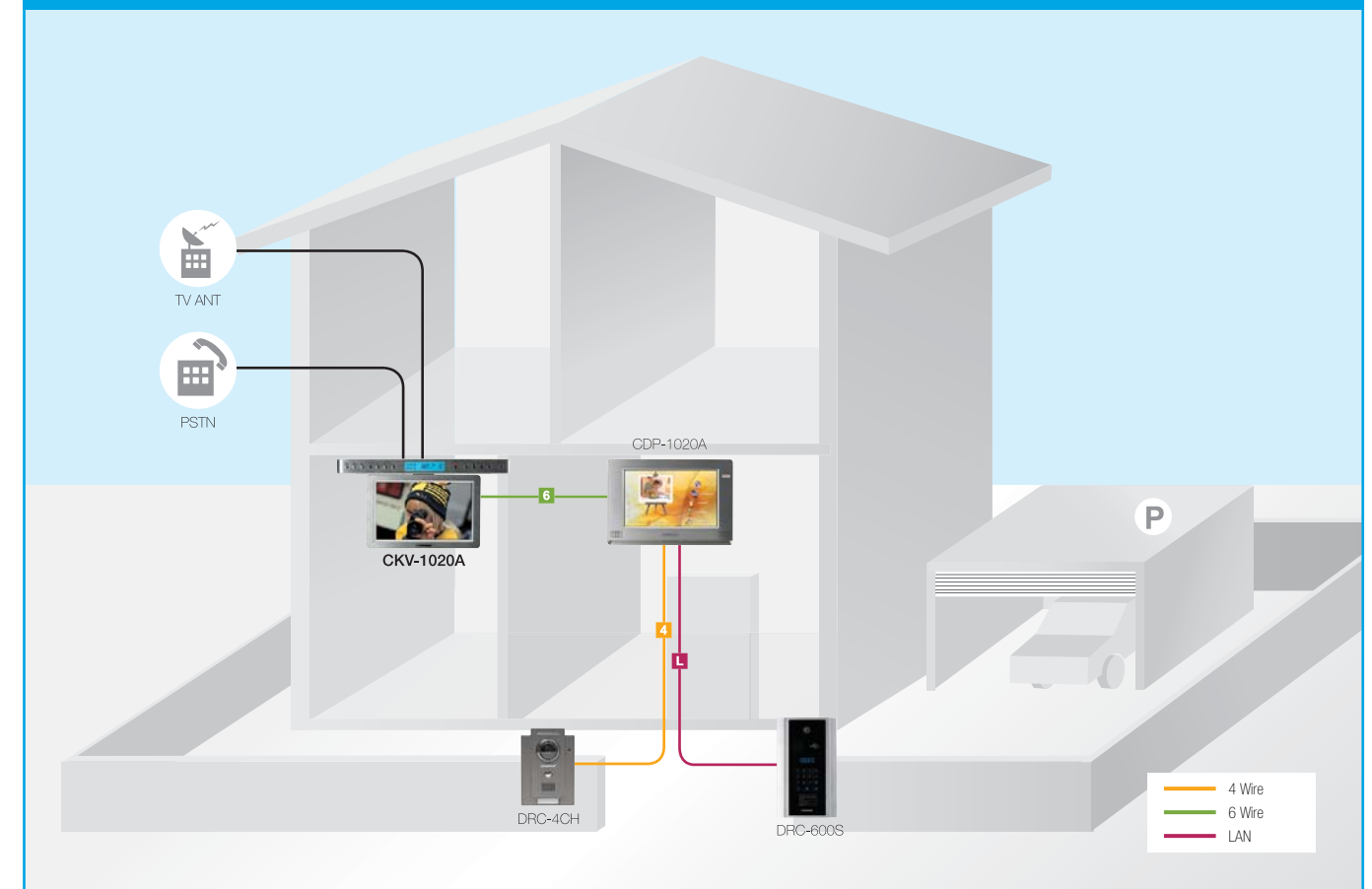
Specifications

- **Power source** : AC 100V-240V, 50/60Hz(Free voltage) / 20W
- **Display** : 10.2 inch / 7 inch TFT LCD
- **Wiring** : Master unit : 6 wires
- **Distance** : To Master unit : 30m(ϕ0.65)
- **Communication** : RS-485
- **On-screen duration** : 60 $\pm$5 sec
- **Audio out out** : Max 1Wx2
- **Temperature** : 0°C ~ +40°C (32°F ~ 104°F)
- **Dimension** : 400 x 259 x 212 [70](mm)

Features

- Connecting door camera makes user convenient to talk with a visitor and open the door.
- The LCD screen is adjustable up/down/left/right directions in high resolution to watch TV and check a visitor
- The LCD panel can get folded completely to the body, no spare it needs when TV off

Functions

- Monitoring & Talk with a visitor
- **Watching TV & Listening to radio** : Watching TV at any direction, Listening to the stereo radio, auto channel selection
- **Convenient function** : Alarm setting, time display, messaging recording
- Telephone receiving
- Speech recognition(Optional)
- Digital Tunner(Optional)
- Door lock release

CONNECTING DIAGRAM

POWER　AM-ANT.　DATA　TV-ANT.

FM-ANT.　TELEPHONE

1 2 3 4 5 6 7 8

1. N.C　5. AUDIO
2. N.C　6. RS-485(+)
3. RS-485(-)　7. VIDEO
4. AUDIO　8. GND

Recommended Products

- Home network : All wall pad

CDP-1020A　CDP-1020C

- Home automation

CAV-503I　CAV-502IM/702IM

143

TV Phone
WONDERFUL VIDEO/AUDIO QUALITY OVER 40 YEARS

107.7 KHz MHz

CKV-1020C/700C
Touch key pad

Minimalism design of black high glossy finished strengthens durability that keeps from scratch in use. It is characterized by clear images enabling users to watch TV at any angle and convenient receipt of phone calls and checking of visitors in connection with home automation.

SYSTEM DIAGRAM

TV ANT

PSTN

CDP-1020C

CKV-1020C

DRC-4CH

DRC-600S

P

— 4 Wire
— 6 Wire
— LAN
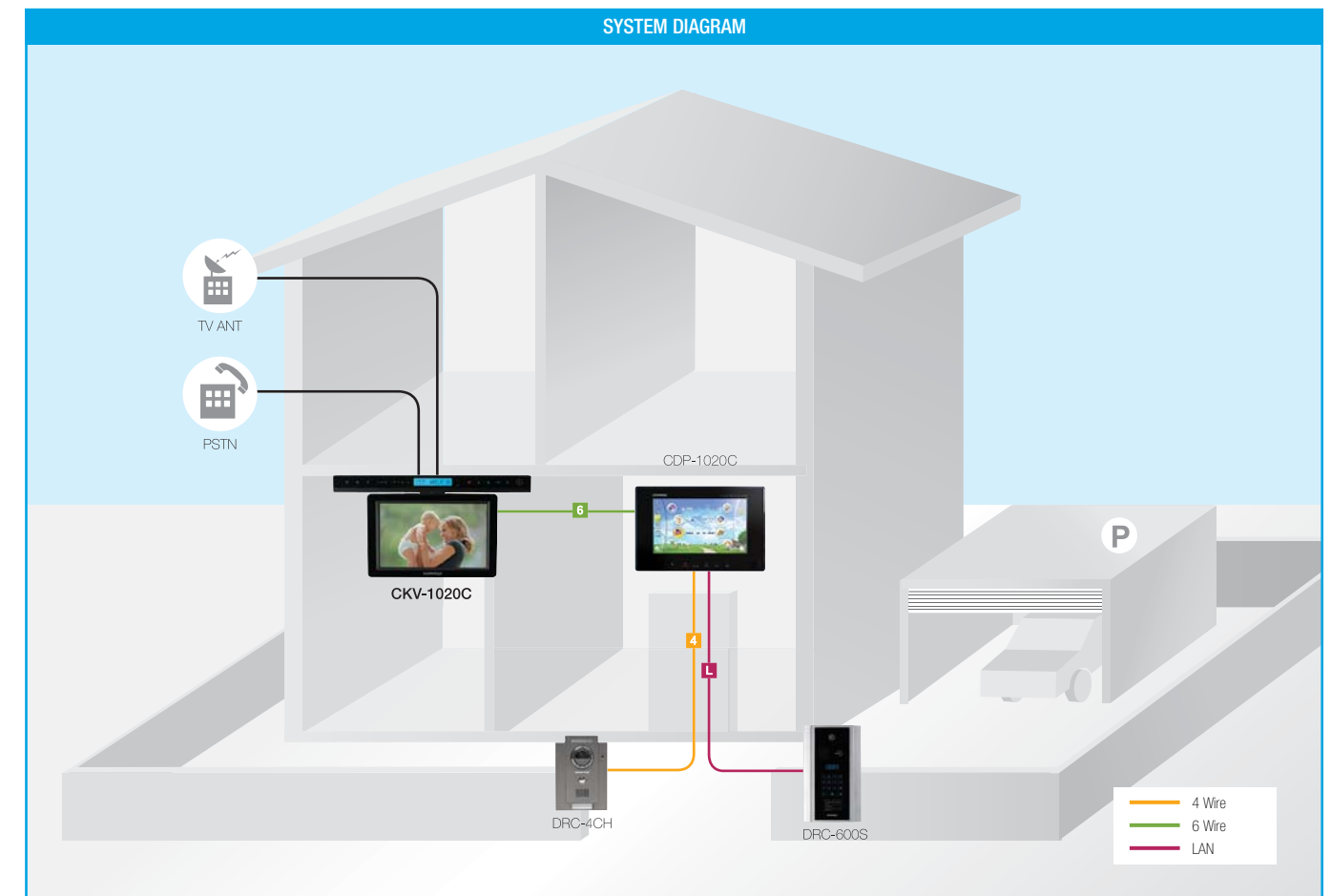
Specifications

- **Power source** : AC 100V-240V, 50/60Hz(Free voltage) / 20W
- **Display** : 10.2 inch / 7 inch TFT LCD
- **Wiring** : Master unit : 6 wires
- **Distance** : To Master unit : 30m(ϕ0.65)
- **Communication** : RS-485
- **On-screen duration** : 60 $\pm$5 sec
- **Audio out out** : Max 1Wx2
- **Temperature** : 0°C ~ +40°C (32°F ~ 104°F)
- **Dimension** : 400 x 259 x 212 [70](mm)

Features

- Touch key button type
- Connecting door camera makes user convenient to talk with a visitor and open the door.
- The LCD screen is adjustable up/down/left/right directions in high resolution to watch TV and check a visitor
- The LCD panel can get folded completely to the body, no spare it needs when TV off

Functions

- Monitoring & Talk with a visitor
- **Watching TV & Listening to radio** : Watching TV at any direction, Listening to the stereo radio, auto channel selection
- **Convenient function** : Alarm setting, time display, messaging recording
- Telephone receiving   • Speech recognition(Optional)
- Digital Tunner(Optional)   • Door lock release

CONNECTING DIAGRAM

| POWER | AM-ANT. | DATA | TV-ANT. |

| FM-ANT. | TELEPHONE |

1 2 3 4 5 6 7 8

1. N.C	5. AUDIO
2. N.C	6. RS-485(+)
3. RS-485(-)	7. VIDEO
4. AUDIO	8. GND

Recommended Products

- Home network : All wall pad

CDP-1020A   CDP-1020C

- Home automation

CAV-503I   CAV-502IM/702IM

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Door
Camera Unit

COMMAX door camera is an outdoor home automation product that enables you to check and communicate to visitors at home with a video door phone.
The door camera consists of a lens to collect visitor's images, a microphone to collect voices, a residence monitor, a speaker to output visitor's voices and a control unit to control the activities of the door camera.

The door camera is characterized by convenient wiring and installation for any environment, which makes it install easily.
Since it is an outdoor product, it is very resistant to discoloration and corrosion. With solid aluminum and stainless steel, it is hardly damaged due to external factors.

In addition, since it is a wide-angle camera lens that can be adjusted up/down and right/left, it can be adjusted to the height of a small child, and it is possible to check a visitor at night with a white lamp.

COMMAX

Door Camera Unit
WONDERFUL VIDEO/AUDIO QUALITY OVER 40 YEARS

Door camera
DRC-40CI
Solid product, made of metal

We have strengthened solidity of DRC-40CI, by using aluminum material, and slim design offer luxury interior impression in any place, where this product can be installed. Also, we offer large number of choices for our customers, by adopting a various colors for this outdoor elegant camera.

Door camera
DRC-40CK
Strengthened by using die casting material

We have strengthened durability of DRC-40CK, by using die casting material, and innovative, slim design offer luxury interior impression in any place, where this product can be installed. Also, we offer large number of choices for our customers, by adopting a various colors for this outdoor elegant camera.

CONNECTING DIAGRAM
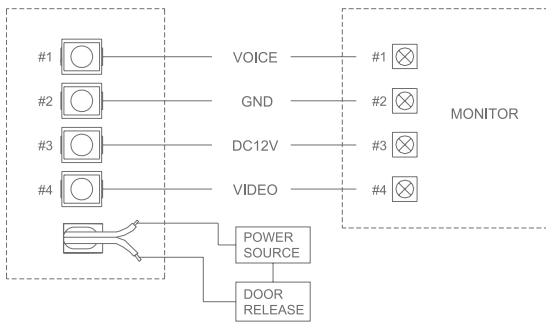
CONNECTING DIAGRAM
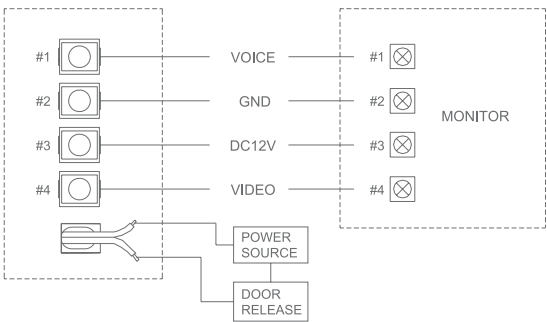
● Specifications

- **Image sensor** : 1/3 inch CCD
- **Mounting type** : Flush mounted type
- **Wiring** : 4 wires
- **Min. Illumination** : 0 Lux(In front of 300mm)
- **Angle of view** : 75° x 55°(Horizontal x Vertical)
- **Adjustment range** : Left-right ±15° / Up-down ±15°
- **Dimension** : 92 x 172 x 16 [48](mm)

● Functions

- Manual camera angle adjustment
- Night automatic illumination (White LED / Built-in camera)

● Recommended Products

DRC-40CI is compatible with the whole line-up of color COMMAX monitors.

● Specifications

- **Image sensor** : 1/3 inch CCD
- **Mounting type** : Wall surface mounted type
- **Wiring** : 4 wires
- **Min. Illumination** : 0.1 Lux(In front of 300mm)
- **Angle of view** : 75° x 55°(Horizontal x Vertical)
- **Adjustment range** : Upper side 13°
- **Dimension** : 100 x 142 x 32(mm)

● Functions

- Night automatic illumination (White LED / Built-in camera)

● Recommended Products

CDV-50P

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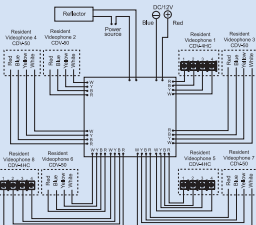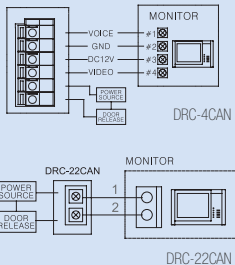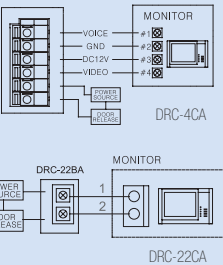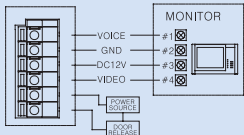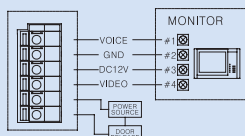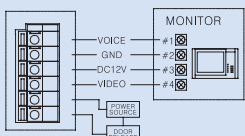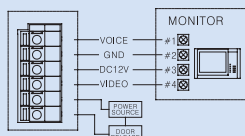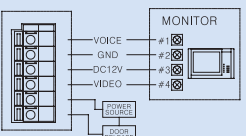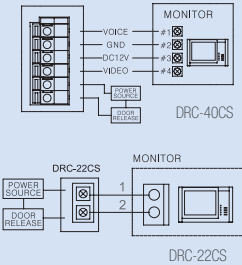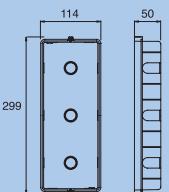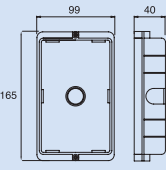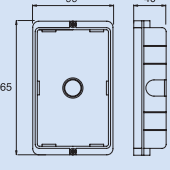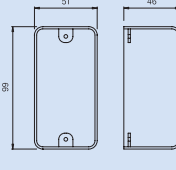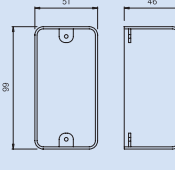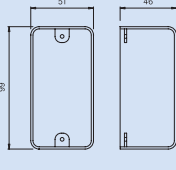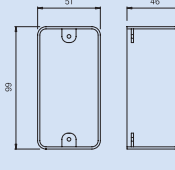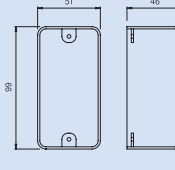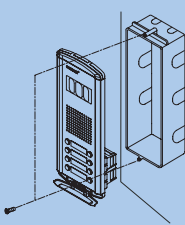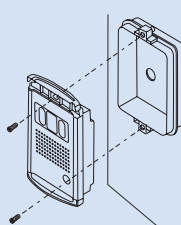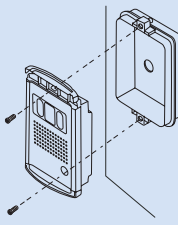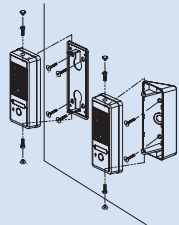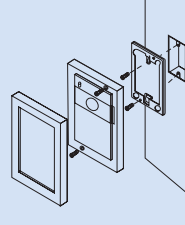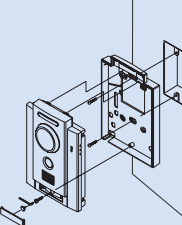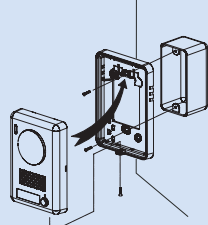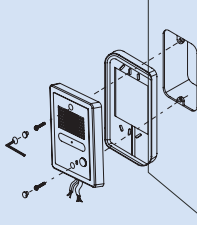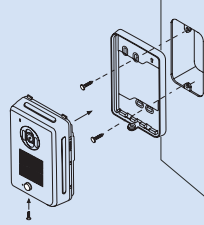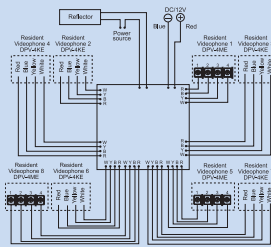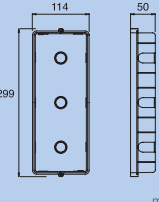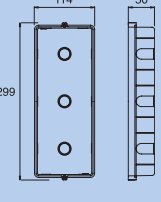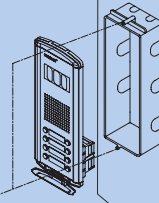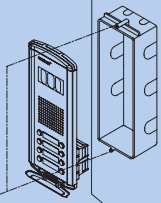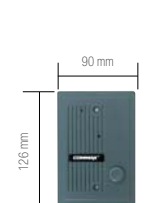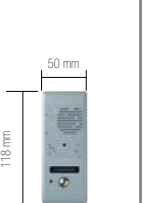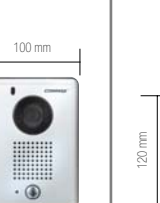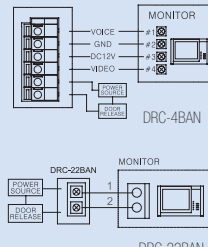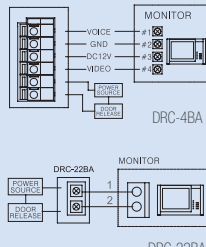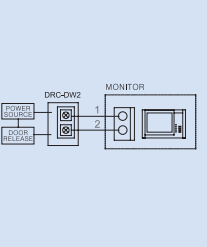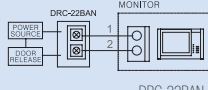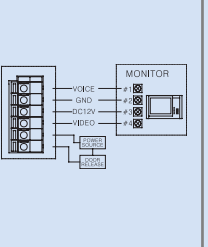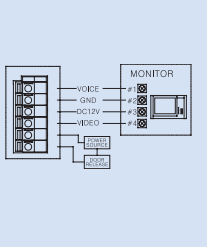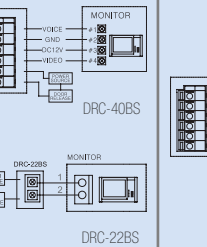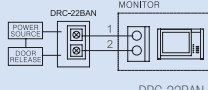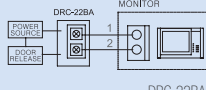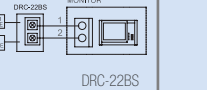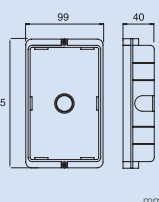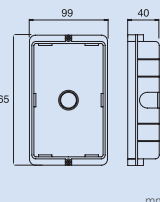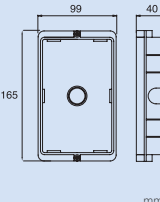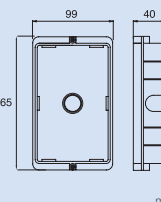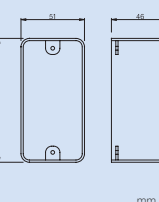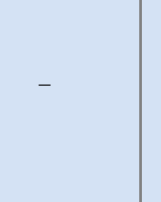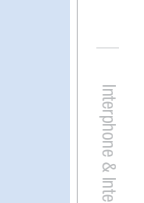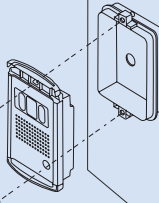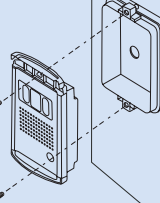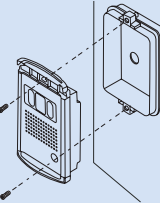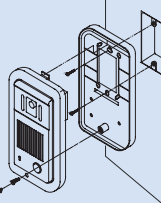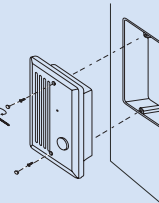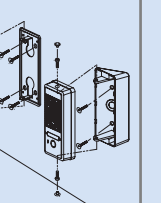
Door Camera Unit

COMMAX door camera provides you with the best convenience for any place.

Up | Down | Standard | Horizontal Angle of Camera
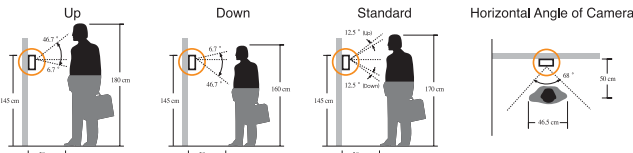
Color (Multiple) | **Color (Single)**

		DRC-4CAN DRC-22CAN	DRC-4CA DRC-22CA	DRC - 4CP	DRC-4CM DRC-4CMH	DRC -4CH	DRC-4ICSN	DRC-4CG	DRC-40CS DRC-22CS
		DRC - nAC							
Color CCD	Image Sensor	Color CCD	Color CCD	Color CCD	Color CCD	Color CCD	Color CMOS	Color CCD	Color CCD
All	Applicable System	DRC-4CAN : All DRC-22CAN : CDV-52A/52AS	DRC-4CA : All DRC-22CA : CDV-52A/52AS	All	All	All	All	All	DRC-40CS : All DRC-22CS : CDV-52A/52AS
Individual 4 wires	Wiring	DRC-4CAN : 4 wires DRC-22CAN : 2 wires	DRC-4CA : 4 wires DRC-22CA : 2 wires	4 wires	4 wires	4 wires	4 - wires	4 wires	DRC-40CS : 4 wires DRC-22CS : 2 wires
0 Lux (300mm from Camera)	Min. Illumination	0 Lux (300mm from Camera)	0 Lux (300mm from Camera)	0.1 Lux (300mm from Camera)	0 Lux (300mm from Camera)	0 Lux (300mm from Camera)	0 Lux (300mm from Camera)	0 Lux (300mm from Camera)	0 Lux (300mm from Camera)
-10°c~ +50°c	Operating temperature	-10°c~ +50°c	-10°c~ +50°c	-10°c~ +50°c	-10°c~ +50°c	-10°c~ +50°c	-10°c~ +50°c	-10°c~ +50°c	-10°c~ +50°c
50m(Ø0.65)	Wiring distance	50m(Ø0.65)	50m(Ø0.65)	50m(Ø0.65)	50m(Ø0.65)	50m(Ø0.65)	50m(Ø0.65)	50m(Ø0.65)	50m(Ø0.65)
	Connecting Diagram	DRC-4CAN DRC-22CAN	DRC-4CA DRC-22CA						DRC-40CS DRC-22CS
	Flush Box Dimension								
	Installation								

B/W (Multiple) | B/W (Single)

	DRC-nAM	DRC - nAB		DRC-4BAN DRC-22BAN	DRC-4BA DRC-22BA	DRC -4BH	DRC-DW2	DRC-403DF	DRC - 40P	DRC - 4BP	DRC-40BS DRC-22BS	DRC-4BG
Image Sensor	B/W CCD 1/3"	B/W CCD 1/3"		B/W CCD 1/3"	B/W CCD 1/3"	B/W CCD 1/3"	B/W CCD 1/3"	B/W CCD 1/3"	B/W CCD 1/3"	B/W CCD 1/3"	B/W CCD 1/3"	B/W CCD 1/3"
Applicable System	APV-4CME/2 ǀ 4CMD/2 APV-4KM/S ǀ 4KDM/S	All		DRC-4BAN : All DRC-22BAN : DPV-2LH/2LHS	DRC-4BA : All DRC-22BA : DPV-2LH/2LHS	All	DPV-KV/ TP-nKV	All	All	All	DRC-40BS : All DRC-22BS : DPV-2LH/2LHS	All
Wiring	Common 4 wires	4 wires		DRC-4BAN : 4 wires DRC-22BAN : 2 wires	DRC-4BA : 4 wires DRC-22BA : 2 wires	4 wires	4 wires	4 wires	4 wires	4 wires	DRC-40BS : 4 wires DRC-22BS : 2 wires	4 wires
Min. Illumination	0 Lux (300mm from Camera)	0 Lux (300mm from Camera)		0 Lux (300mm from Camera)	0 Lux (300mm from Camera)	0 Lux (300mm from Camera)	0 Lux (300mm from Camera)	0 Lux (300mm from Camera)	0.1 Lux (300mm from Camera)	0.1 Lux (300mm from Camera)	0 Lux (300mm from Camera)	0 Lux (300mm from Camera)
Operating temperature	-10°c~ +50°c	-10°c~ +50°c		-10°c~ +50°c	-10°c~ +50°c	-10°c~ +50°c	-10°c~ +50°c	-10°c~ +50°c	-10°c~ +50°c	-10°c~ +50°c	-10°c~ +50°c	-10°c~ +50°c
Wiring distance	50m (⌀0.65)	50m(⌀0.65)		50m(⌀0.65)	50m(⌀0.65)	50m(⌀0.65)	50m(⌀0.65)	50m(⌀0.65)	50m(⌀0.65)	50m(⌀0.65)	50m(⌀0.65)	50m(⌀0.65)
Connecting Diagram												
Flush Box Dimension												
Installation												

Door phone

COMMAX door phone is an interactive communication device that controls and manages visitors more conveniently and safely through communications between a visitor and a resident with a call button installed outside the door. It is often used in condominium, house and office, and even any technician can use it easily due to easy installation and wiring.

The door phone consists of a speaker and a microphone for voice communications between a visitor at the door and an indoor station and guarantees the best quality communications with a digital circuit.

The COMMAX door phone is characterized by excellent channel expandability between master phone and sub station. For safety and convenience, communications to a security guard from inside the house and to visitors at the entrance.

Easy communications use in various places including offices, homes, factories and hospitals.

Door Phone
WONDERFUL VIDEO/AUDIO QUALITY OVER 40 YEARS

DP-20H/20HR
SLIM & COLOR

Adopted ultra slim design(37mm) concept over the world
Supporting two door units(DP-20HR)
Perfect harmony with any interior color
(White/Silver/Gold/Wine/Pearl color)
Easy installation through non-polarity type.

Specifications

- **Power source** : AC 100/220/230V, 50/60Hz / 4.5W
- **Wiring** : 2 wires
- **Distance** : 100m(ϕ0.65) / 150m(ϕ0.8)
- **Temperature** : 0°C ~ +50°C (32°F ~ 122°F)
- **Dimension** : 94 x 185 x 40(mm)

Features

- Supporting up to 2 audio door phones
- Easy installation through non-polarity type
- Ergonomically designed hand set

Functions

- Door lock release
- Talk with a visitor
- 2 door release(DP-20HR)

CONNECTING DIAGRAM

TOP **BUTTON** Only DP-20HR

BOTTOM **BUTTON**

POWER SOURCE

Recommended Products

- Door unit

DR-20H   DR-2K   DR-2G   DR-2P   DR-201A   DR-20S
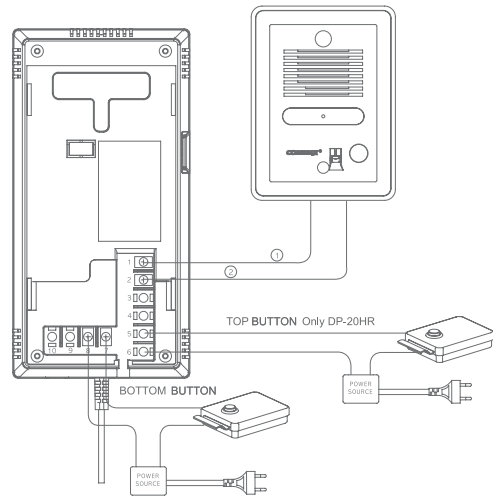
DP-2K/2KN

Easy & variant installation at any places by adopting 1.5V battery or DC 6V
Applicable to hospitals, guard station, office environments

Specifications

- **Power source** : 1)DP-2K : AC 100/220/230V, 50/60Hz / 4.5W
  2)DP-2KN : DC 12V
- **Wiring** : 2 wires
- **Distance** : 100m(ϕ0.65) / 150m(ϕ0.8)
- **Temperature** : 0°C ~ +50°C (32°C ~ 122°C)
- **Dimension** : 98 x 215 x 38(mm)

Features

- Supporting up to 2 audio door phones
- Easy installation through non-polarity type
- Flexible installation at wall mount ed or table mounted type

Functions

- Door lock release
- Talk with a visitor
- Intercom function(DP-2KN)

CONNECTING DIAGRAM

Door Release
Power Source
Power Source
<DP-2K>

Door Unit
Sub Unit
DC 12V
Power Source
<DP-2KN>

Recommended Products

- DP-2K

DR-20H   DR-2K   DR-2G   DR-2P   DR-201A   DR-20S

- DP-2KN

DR-2KS   DR-201AS   DR-201DS
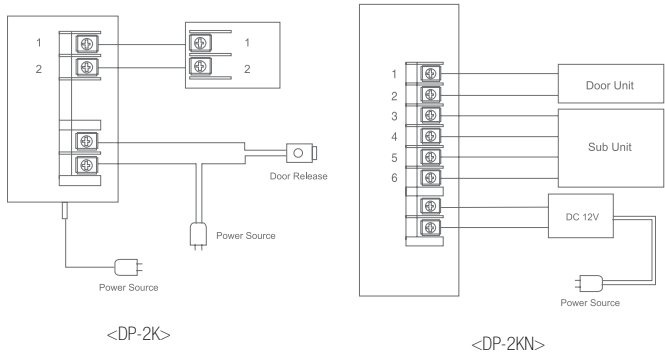
Door Phone
WONDERFUL VIDEO/AUDIO QUALITY OVER 40 YEARS

DP-KSS
System door phone

Multiple audio door phone compatible
with DR-nKM/DR-nAM
Cost saving solution by easy and simple wiring connection
Flexible installation at wall mount or table mount type

Specifications

- **Power source** : DC 12V, 50/60Hz / 300mA(Max)
- **Wiring** : 4 wires
- **Distance** : 100m(Φ0.65)
- **Temperature** : 0°C ~ +50°C (32°F ~ 122°F)
- **Dimension** : 72 x 215 x 38(mm)

Features

- Supporting additional panels(DR-nKM/nAM)
- Easy installation through common line
- Stable power supply by adopting DC power

Functions

- Door lock release
- Talk with a visitor

CONNECTING DIAGRAM

DP-KSS

Door unit

1	1
2	2
3	3
Bn	Bn
+	S1
-	S2

ELECTRIC DOOR RELEASE

DC 12V 500mA

POWER

Recommended Products

DR-nKM   DR-nKS   DR-nAM   DR-nAS

DP-MR
System door phone

Multiple audio door phone compatible
with DR-nKM/DR-nAM
Cost saving solution by easy and simple wiring connection
Flexible installation at wall mount or table mount type
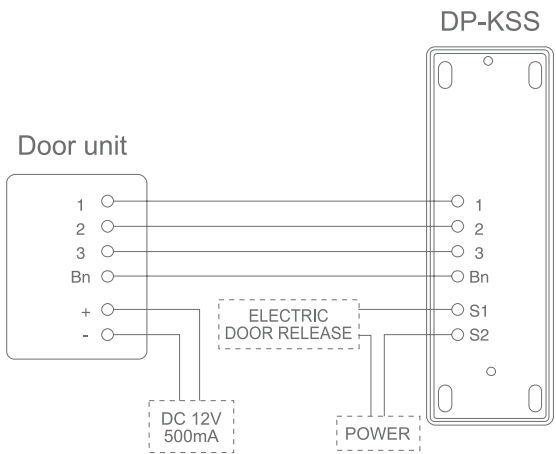
Specifications

- **Power source** : DC 12V, 50/60Hz / 300mA(Max)
- **Wiring** : 4 wires
- **Distance** : 100m(Φ0.65)
- **Temperature** : 0°C ~ +50°C (32°F ~ 122°F)
- **Dimension** : 92 x 230 x 46(mm)

Features

- Supporting additional panels(DR-nKM/nAM)
- Easy installation through common line
- Stable power supply by adopting DC power

Functions

- Door lock release
- Talk with a visitor

CONNECTING DIAGRAM

Door Unit

DR-nKM

| 1 |
2
Bn

DC 12V

Room Unit 1

| 1 |
| 2 |
| 3 | DP-MR |
| 4 |
| 5 |

Room Unit 2

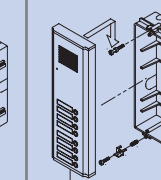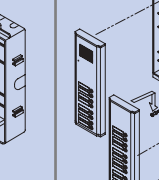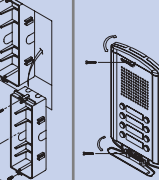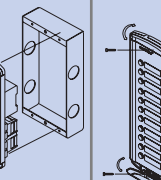| 1 |
| 2 |
| 3 | DP-MR |
| 4 |
| 5 |
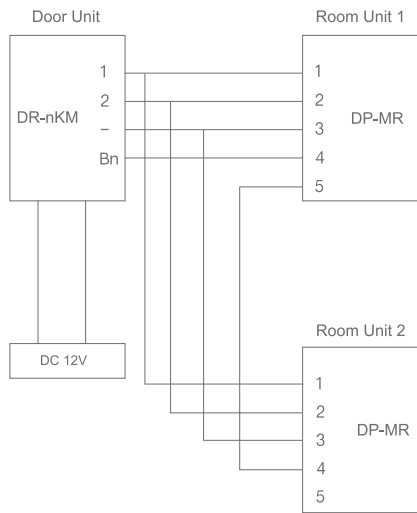
Recommended Products
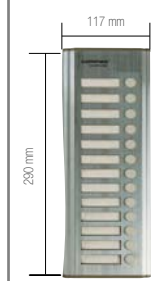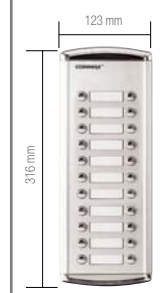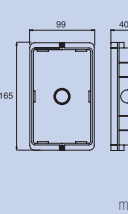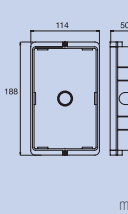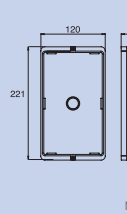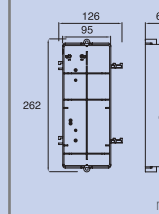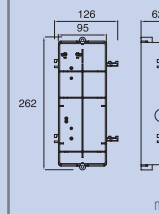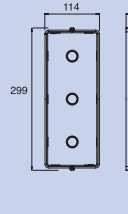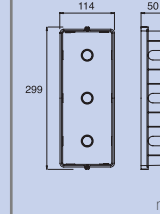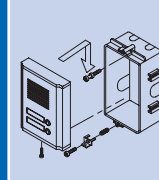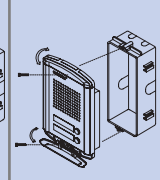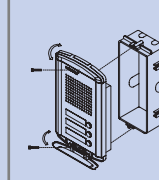
DR-nKM   DR-nKS   DR-nAM   DR-nAS

Door Unit
COMMAX Door station compatible with various systems provides you with
better efficiency to the system and guarantees more secure and comfortable life.

Door Unit (Single)

	DR-2AN DR-2A	DR-201A DR-201AS	DR-2G DR-2GR	DR-20S	DR-2K DR-4K DR-2KS	DR-201D DR-201DS DR-4D
Function	Call Room Unit	Call Room Unit	Call Room Unit	Call Room Unit	Call Room Unit	Call Room Unit
Connectable Products	DR - 2AN : DP-201R, DP-201RA, DP-RA01, DP-2K DP-20H/20HR	DR - 201A : DP-201R, DP-201RA, DP-RA01, DP-2K DP-20H/20HR DR - 201AS : DP-201RN, DP-2KN	DR - 2G : DP-201R, DP-201RA, DP-RA01, DP-2K DP-20H/20HR DR - 2GR : DP-201RN, DP-2KN	DR - 20S : DP-201R, DP-201RA, DP-RA01, DP-2K DP-20H/20HR	DR - 2K : DP-201R, DP-201RA, DP-RA01, DP-2K DP-20H/20HR DR - 4K : DP-KD DR - 2KS : DP-201RN, DP-2KN	DR - 201D : DP-201R, DP-201RA, DP-RA01, DP-2K DP-20H/20HR DR - 201DS : DP-201RN, DP-2KN DR - 4D : DP-KD
Wiring	2 wires	DR-201A/ 2 wires DR-201AS/ 2 wires	DR-2G/ 2 wires DR-2GR/ 2 wires	2 wires	DR-2K/ 2 wires DR-4K/ 4 wires DR-2KS/ 2 wires	DR-201D/ 2 wires DR-201DS/ 2 wires DR-4D/ 4 wires
Power source	–	–	–	–	–	–
Material	Al-Extrusion Panel / Flush Mount Type	Al-Extrusion Panel / Flush Mount Type	Al-Diecasting Panel / Surface Mount Type	Al-Extrusion Panel / Surface Mount Type	Plastic / Surface Mount Type	Plastic / Surface Mount Type
Flush box Dimension	99 40 165 mm	99 40 165 mm	–	–	–	–
Installation						

Door Unit (Multiple)

	DR-201AG	DR-2A2N	DR-2A3N	DR-nKM Master Unit	DR-nKL DR-nKS Extension Unit	DR-nAM Master Unit	DR-nAS DR-nASS Extension Unit
Function	Call Room Unit/ for 2 Room Units	Call Room Unit/ for 2 Room Units	Call Room Unit/ for 3 Room Units	Call Room Unit/ for 2,4,6,8 Room Units	Extension Button/ 16, 24 Buttons/	Call Room Unit/ for 2,4,6,8 Room Units	Extension Button/ 16, 24 Buttons/
Connectable Products	DP-201R, DP-201RA, DP-RA01, DP-2K DP-20H/20HR	DP-201R, DP-201RA, DP-RA01, DP-2K, DP-20H/20HR	DP-201R, DP-201RA, DP-RA01, DP-2K, DP-20H/20HR	DP-KSS, DP-MR	DR -nKM	DP-KSS, DP-MR	DP-KSS, DP-MR
Wiring	3 wires (1 Common + n)	3 wires (1 Common + n)	4 wires (1 Common + n)	Common 3 wires, Individual 1 Wire Per Unit	Connectable to Master Unit	Common 3 wires, Individual 1 Wire Per Unit	Connectable to Master Unit
Power source	–	–	–	DC 12V	–	DC 12V	–
Material	Al-Extrusion Panel / Flush Mount Type	Al-Extrusion Panel / Flush Mount Type	Al-Extrusion Panel / Flush Mount Type	Al-Extrusion Panel / Flush Mount Type	Al-Extrusion Panel / Flush Mount Type	Al-Extrusion Panel / Flush Mount Type	Al-Extrusion Panel / Flush Mount Type
Flush box Dimension	99 40 165 mm	114 50 188 mm	120 50 221 mm	126 95 62 262 mm	126 95 62 262 mm	114 50 299 mm	114 50 299 mm
Installation							

Interphone &
Intercom

COMMAX interphone controls and manages people coming in and out more conveniently by opening the entrance door after monitoring and talking to visitors.
Intercom, an interactive communication device that is often used in offices, homes and security companies, that is useful in separate calls and group calls increases efficiency whether it is wired or not.

Door phone consists of a speaker and a microphone for voice communications between a visitor at the entrance and an indoor station and guarantees the best quality in communications with a digital circuit.

COMMAX door phone is characterized by simple installation and wiring for various environments and convenient use in various places including offices, homes, factories and hospitals based on excellent channel expandability between master phones and between a master phone and a sub station.

Interphone & Intercom
WONDERFUL VIDEO/AUDIO QUALITY OVER 40 YEARS

TP-12AM

Applicable to hospitals, guard station, office environments
Assuring the best audio quality at any places

TP-1K

Easy & variant installation at any places by adopting 1.5V battery or DC 6V
Applicable to hospitals, guard station, office environments

Specifications

- **Power source** : DC24V, 500mA
- **Mounting type** : Wall surface mounted type
- **Temperature** : 0°C ~ +40°C (32°F ~ 104°F)
- **Wiring** : Individual 2 wires
- **Distance** : 1Km(ϕ0.65)
- **Dimension** : 114 x 220 x 33(mm)

Functions

- Supporting up to 12 pcs of TP-K (Sub-unit)
- Covering total system just through one power installation (RF-2AS or RF-2A)
- Convenient caller identification by adopting red led
- Calling to each station
- LED indication

Recommended Products

TP-K   RF-2AS(SMPS)   RF-2A(TRANS)

CONNECTING DIAGRAM
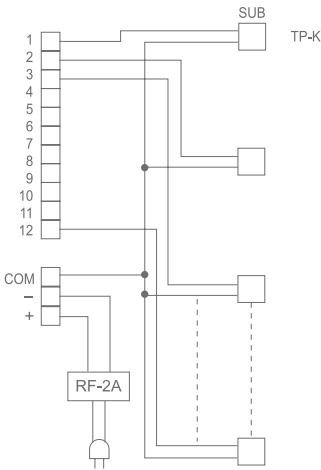
Specifications

- **Power source** : DC6V, 300mA
- **Mounting type** : Wall surface mounted type
- **Temperature** : 0°C ~ +40°C(32°F ~ 104°F)
- **Wiring** : 2 wires
- **Distance** : 100m(ϕ0.65)
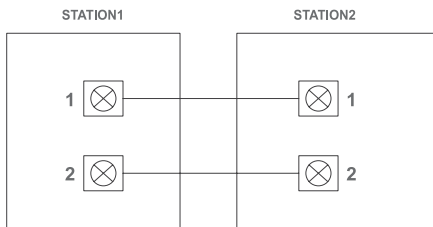- **Dimension** : 98 x 215 x 38(mm)

Functions

- 1:1 intercommunication (Mutual call)
- Flexible & Variable installation by adopting 1.5 battery
- Applicable to Hospitals, Guard station, office environments
- Calling

Recommended Products

TP-1K

CONNECTING DIAGRAM

Interphone & Intercom
WONDERFUL VIDEO/AUDIO QUALITY OVER 40 YEARS

TP-nAC

Applicable to hospitals, guard station, office environments
Assuring the best audio quality at any places
Connectable to door unit

Specifications

- **Power source** : DC12V, 250mA
- **Mounting type** : Wall surface mounted type
- **Temperature** : 0°C ~ + 40°C (32°F ~ 104°F)
- **Wiring** : Bus type with 4 wires
- **Distance** : 100m(ϕ0.65)
- **Dimension** : 114 x 216 x 33(mm)

Functions

- Variable system composition (6 or 12 household)
- ID setting by DIP Switch
- Effective calling to all units by Paging function
- Easy identification of which sub-unit is in use by LED indication
- Possible to use door phone by enabling DR-DW2N connection
- Door lock release
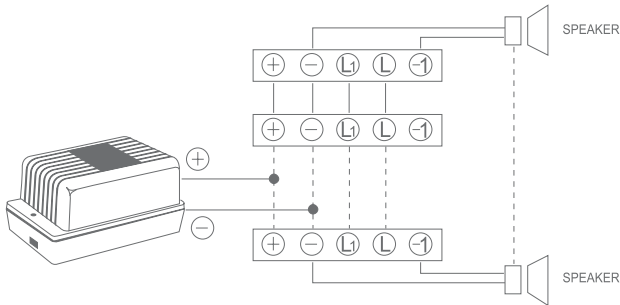- Calling & paging

Recommended Products

DR-DW2N   RF-1AS   RF-1A

CONNECTING DIAGRAM

TP-nKP

Applicable to hospitals, guard station, office environments
Assuring the best audio quality at any places

Specifications

- **Power source** : DC12V, 250mA
- **Mounting type** : Wall surface mounted type
- **Temperature** : 0°C ~ +40°C (32°F ~ 104°F)
- **Wiring** : Bus type with 4 wires + n(number of unit)
- **Distance** : 100m(0.65 ϕ)
- **Dimension** : 98 x 215 x 38(mm)

Functions

- Variable system composition (6 or 10 household)
- Effective calling to all units by Paging function
- Easy identification of which sub-unit is in use by LED indication
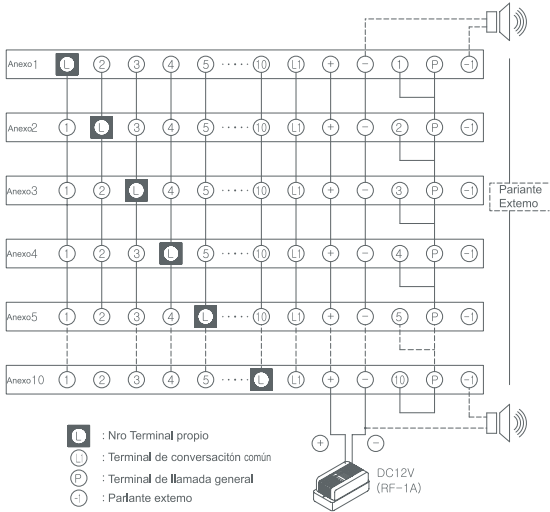- Calling & paging

Recommended Products

RF-1AS   RF-1A

CONNECTING DIAGRAM

- : Nro Terminal propio
- : Terminal de conversación común
- P : Terminal de llamada general
- : Parlante externo

DC12V (RF-1A)

Home Network
COMMAX

Interphone & Intercom
WONDERFUL VIDEO/AUDIO QUALITY OVER 40 YEARS

TP-90AN

Applicable to big scale of hospitals, guard station, office environments
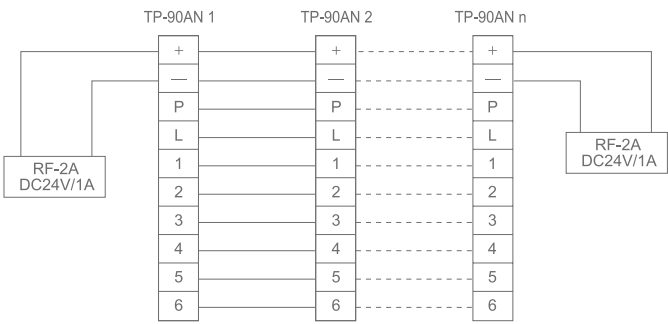Assuring the best audio quality at any places

Specifications

- **Power source** : DC24V, 120mA
- **Mounting type** : Wall surface mounted type
- **Temperature** : 0℃ ~ +40℃ (32°F ~ 104°F)
- **Wiring** : Bus type with 10 wires
- **Distance** : 100m(Φ0.65)
- **Dimension** : 114 x 216 x 33(mm)

Functions

- Calling
- Exchanging
- PAGING
- Speaker phone
- 3 Channel simultaneous communication
- Group call/ broadcasting
- Caller ID display on FND display
- Privacy function
- Expandable up to 90 pcs

CONNECTING DIAGRAM

TP-90AN 1   TP-90AN 2   TP-90AN n

RF-2A
DC24V/1A

RF-2A
DC24V/1A

+ − P L 1 2 3 4 5 6

Recommended Products

RF-2AS   RF-2A

Home Network System | Fire Automatic System | Multi Guard Strategy System | Video Door phone | TV Phone | Door Camera Unit | Door phone | Interphone & Intercom | Digital Door Lock

Home Network
COMMAX

Interphone & Intercom
WONDERFUL VIDEO/AUDIO QUALITY OVER 40 YEARS

WI-3SN

Wireless Intercom

WI-2B/3SN/4C
Power line communication

No wiring necessary but simply plug into each AC outlet.
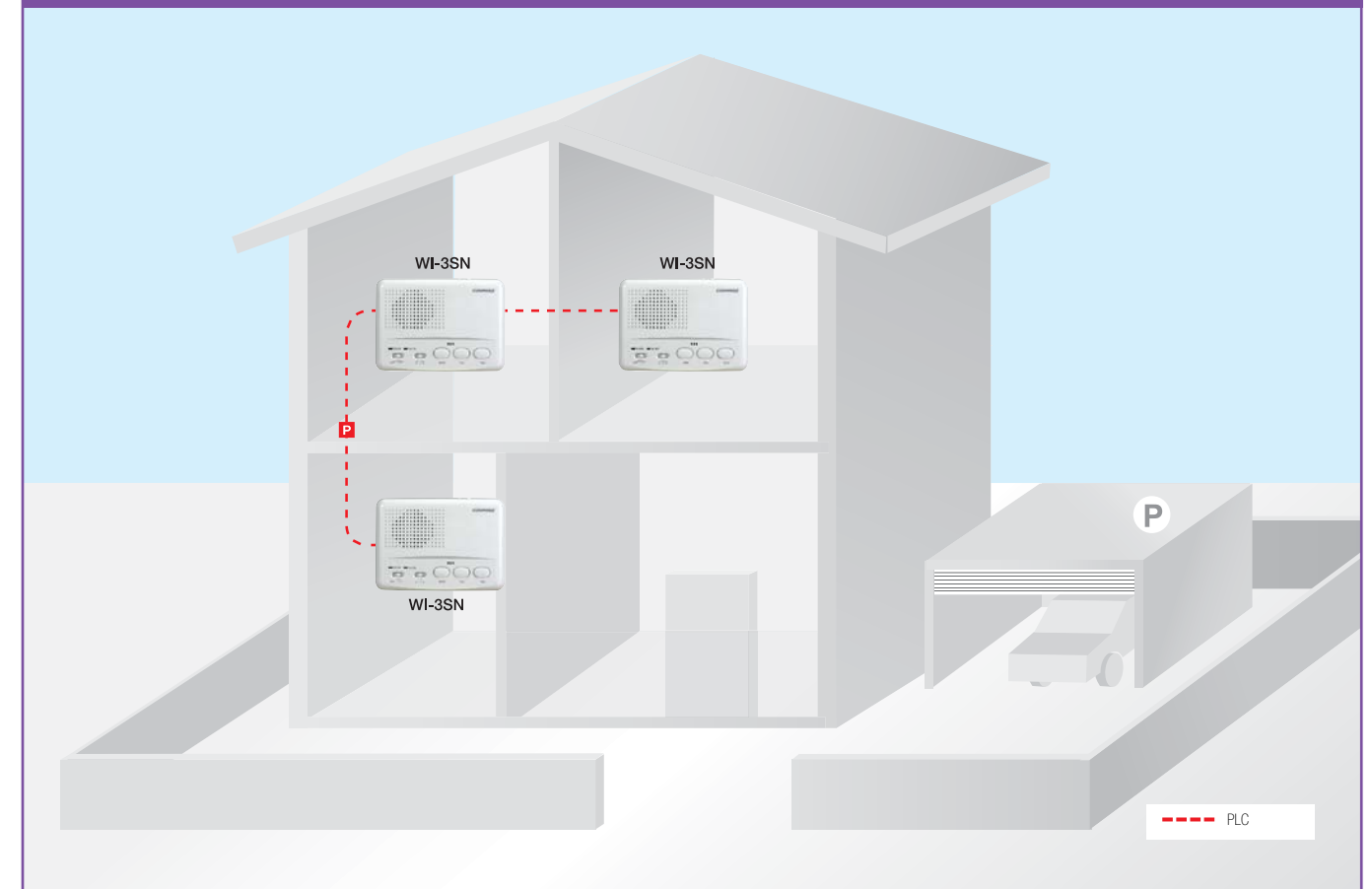Applicable to anywhere in the house, office, store, factory etc with AC outlet

WI-2B

WI-4C

SYSTEM DIAGRAM

WI-3SN

WI-3SN

WI-3SN

----- PLC

Specifications

- **Power source** : AC 100/110/220/230V, 50/60Hz, 200mA
- **Wiring** : PLC type
- **Audio output** : 0.5W
- **RF output** : 0.1W
- **Dimension** : 1)WI-2B : 144 x 142 x 47(mm)
  2)WI-3SN : 186 x 133 x 43(mm)
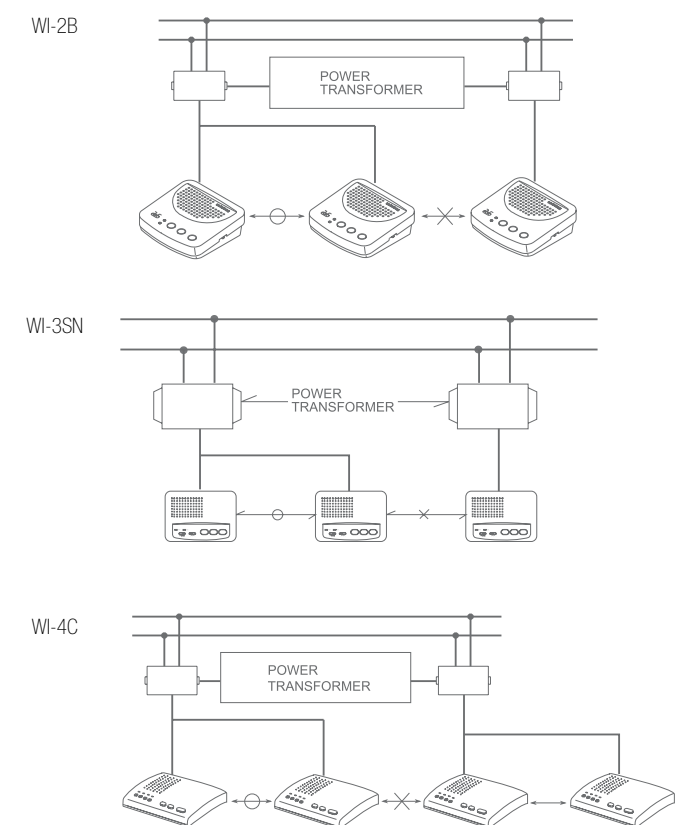 3)WI-4C : 183 x 137 x 43(mm)

Functions

- High Audio quality adopted PLL function (Phase Locked Loop)
- No cross of wires
- Available to install anywhere with AC outlet
- Enabling long communication through PTT (priority call function)
- Calling to household
- Adjustable sound level
- Indicating in-use status

Recommended Products

- WI-2B : 2 channel
- WI-3SN : 3 channel
- WI-4C : 4 channel

CONNECTING DIAGRAM

WI-2B

POWER TRANSFORMER

WI-3SN

POWER TRANSFORMER

WI-4C

POWER TRANSFORMER

Interphone & Intercom
WONDERFUL VIDEO/AUDIO QUALITY OVER 40 YEARS
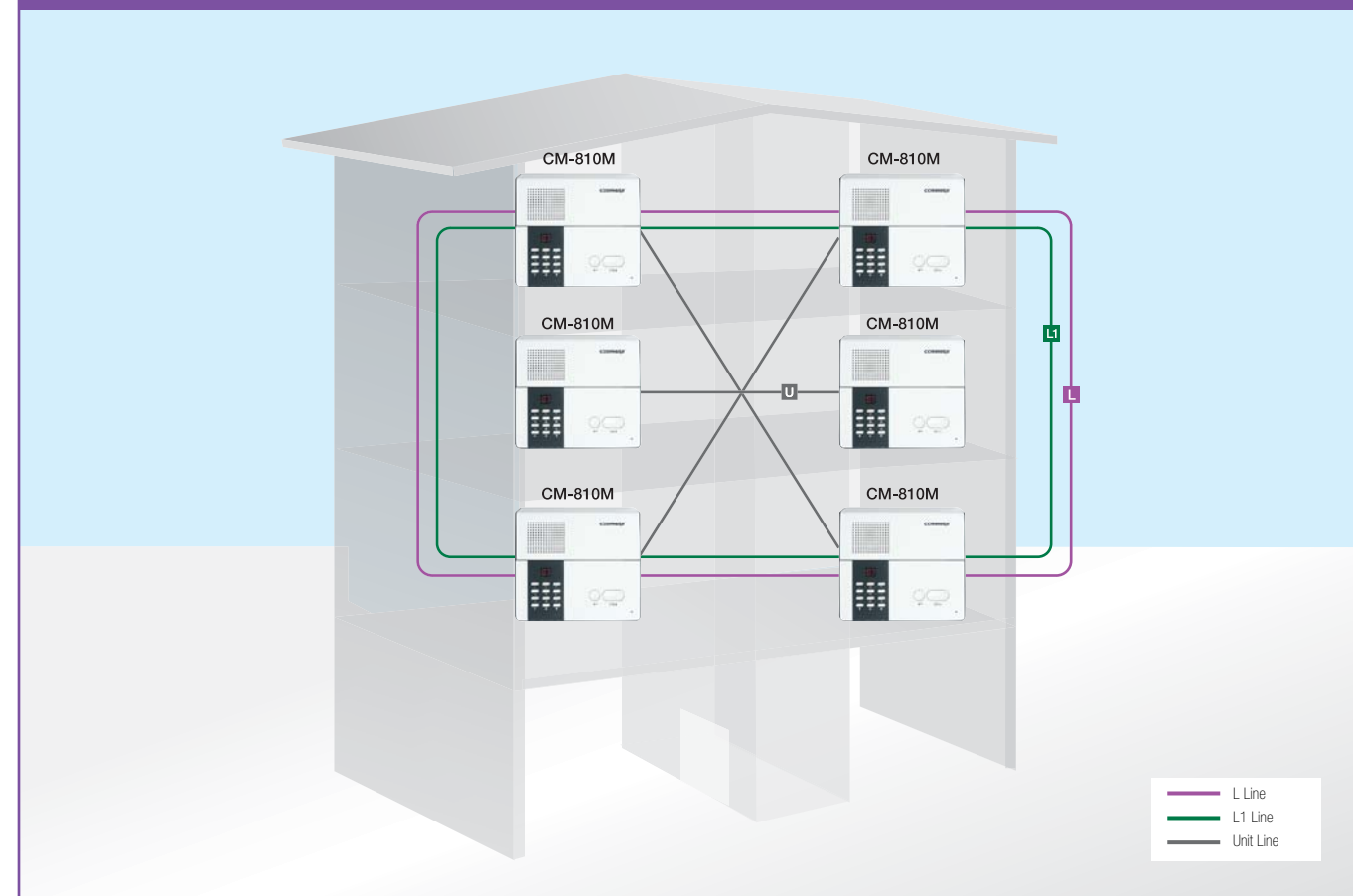
COMMAX

Intercom

CM-810M
MASTER : MASTER
Applicable to hospitals, guard station, office environments
Assuring the best audio quality at any places

CM-810M

SYSTEM DIAGRAM

CM-810M   CM-810M
CM-810M   CM-810M
CM-810M   CM-810M

L1
L

— L Line
— L1 Line
— Unit Line

Specifications

- **Power source** : DC 12V, 250mA
- **Mounting type** : Wall surface mounted type & table type
- **Temperature** : 0°C ~ +40°C (32°F ~ 104°F)
- **Wiring** : 2 wires +n (number of unit)
- **Distance** : 300m(ϕ0.65)
- **Dimension** : 254 x 155 x 53(mm)

Functions

- Applicable to office, hospital, restaurant etc.
- Adjustable sound level depending on its environments
- Enabling long communication through PTT function
- Calling to household
- Adjustable sound level
- Indicating in-use status
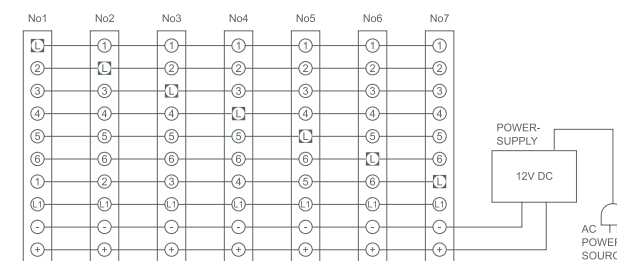- Calling ID display on FND display

Recommended Products

RF-1AS(SMPS)   RF-1A(TRANS)

CONNECTING DIAGRAM

No1 No2 No3 No4 No5 No6 No7

POWER-SUPPLY
12V DC
AC POWER SOURCE

Interphone & Intercom
WONDERFUL VIDEO/AUDIO QUALITY OVER 40 YEARS
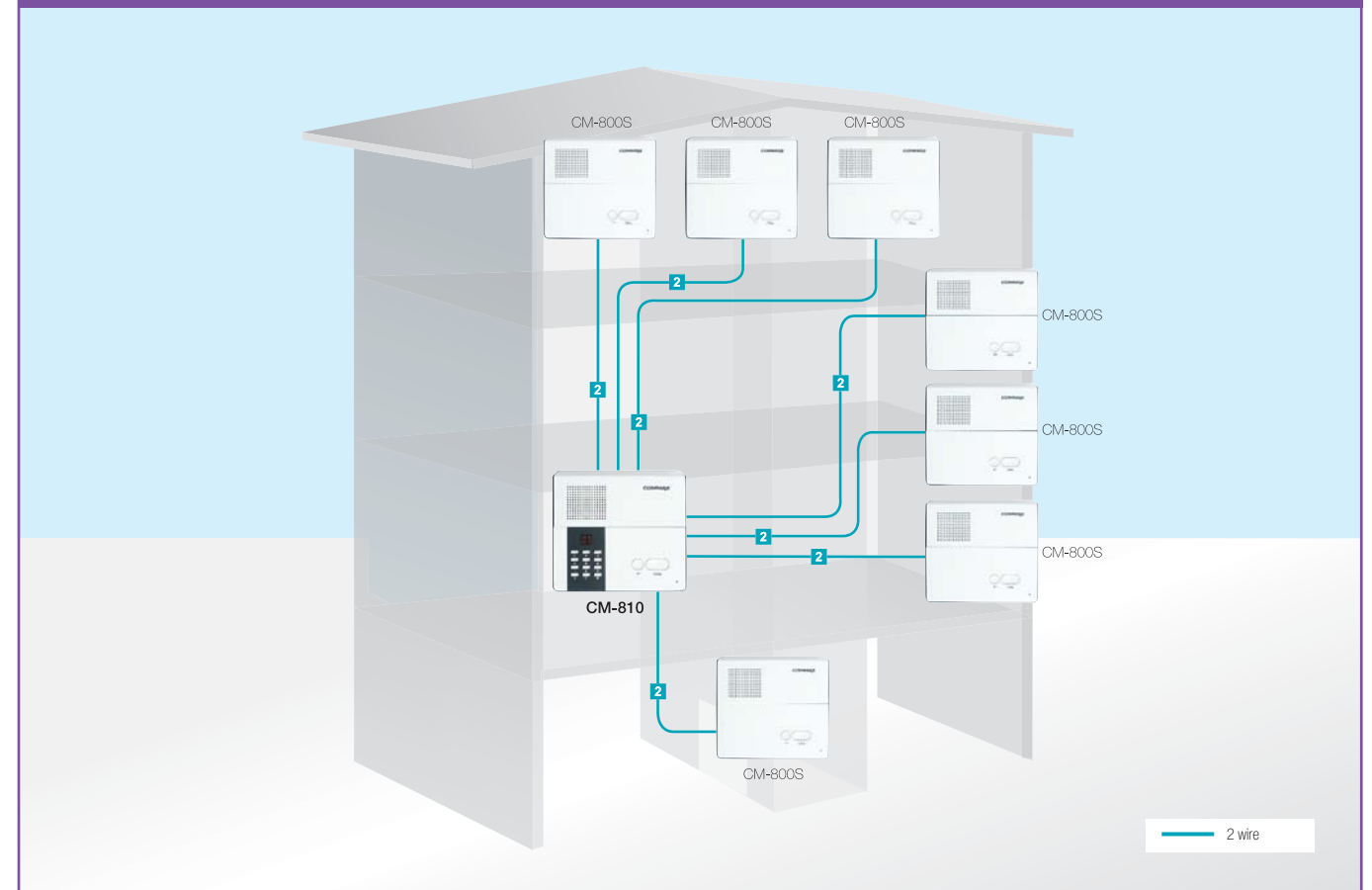
CM-810

Intercom

CM-800S/810
Applicable to hospitals, guard station, office environments
Assuring the best audio quality at any places

CM-800S

SYSTEM DIAGRAM

CM-800S CM-800S CM-800S
CM-800S
CM-800S
CM-800S
CM-810
CM-800S

—— 2 wire

Specifications

- **Power source** : DC 12V, 200mA
- **Mounting type** : Wall surface mounted type & table type
- **Temperature** : 0°C ~ +40°C (32°F ~ 104°F)
- **Wiring** : Individual 2 wires(CM-800S)
- **Distance** : 300m(ϕ0.65)
- **Dimension** : 254 x 155 x 53(mm)

Functions

- Applicable to office, hospital, restaurant etc
- Adjustable sound level depending on its environments
- Enabling long communication through PTT function
- Calling to household
- Adjustable sound level
- Indicating in-use status
- Calling ID display on FND display
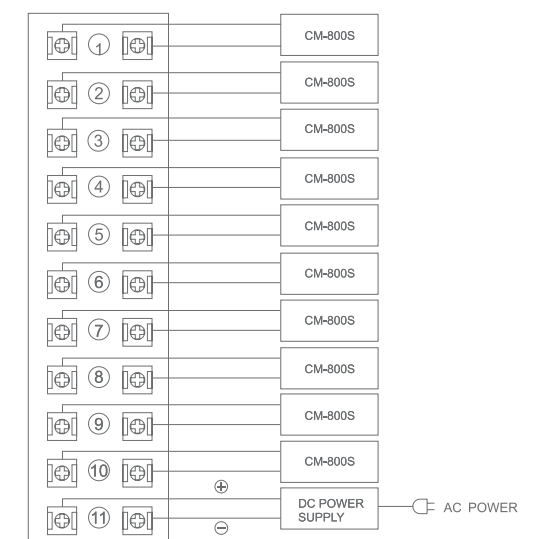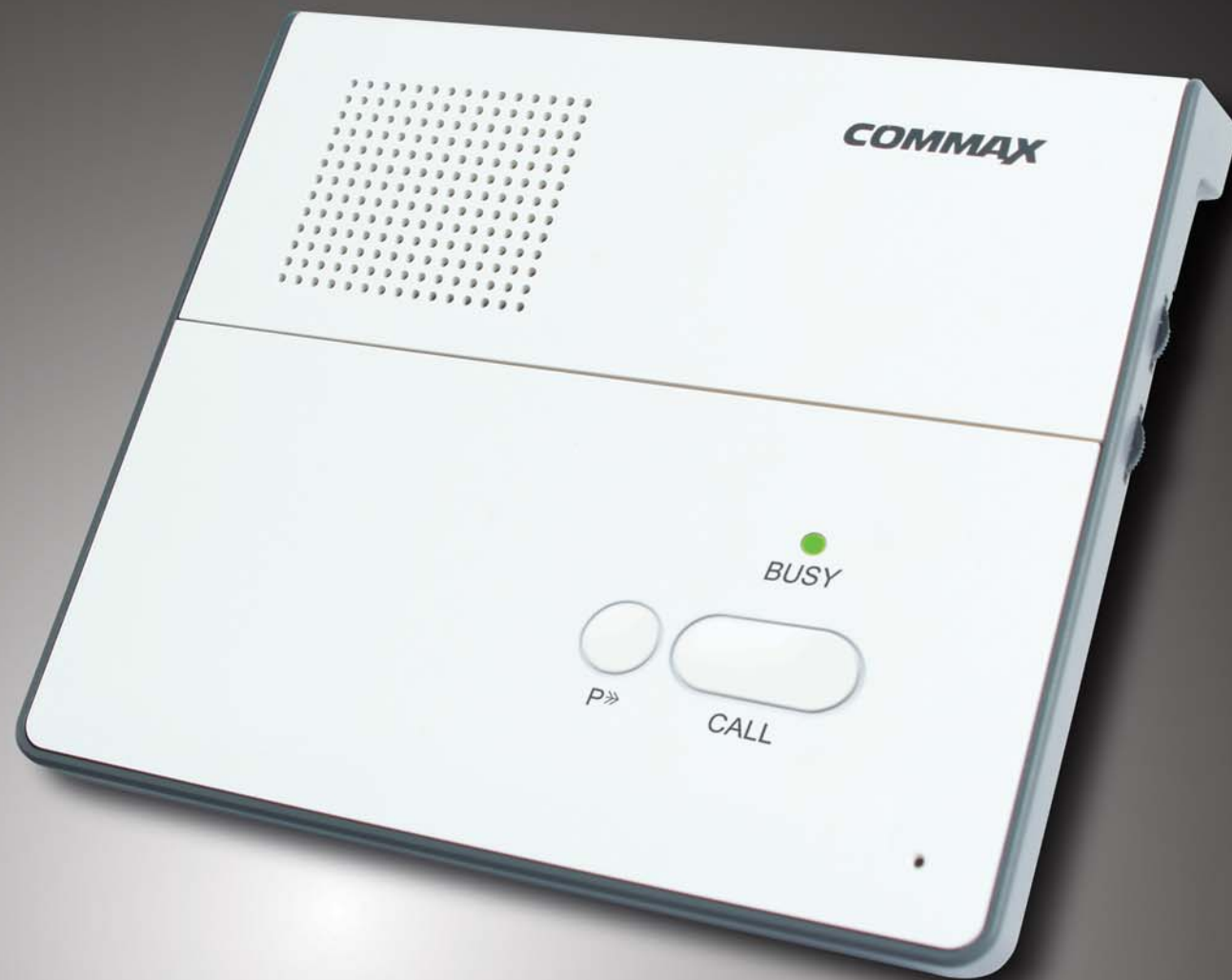
Recommended Products

CM-800S RF-1AS(SMPS) RF-1A(TRANS)

CONNECTING DIAGRAM

① CM-800S
② CM-800S
③ CM-800S
④ CM-800S
⑤ CM-800S
⑥ CM-800S
⑦ CM-800S
⑧ CM-800S
⑨ CM-800S
⑩ CM-800S
⑪ DC POWER SUPPLY — AC POWER

Interphone & Intercom
WONDERFUL VIDEO/AUDIO QUALITY OVER 40 YEARS
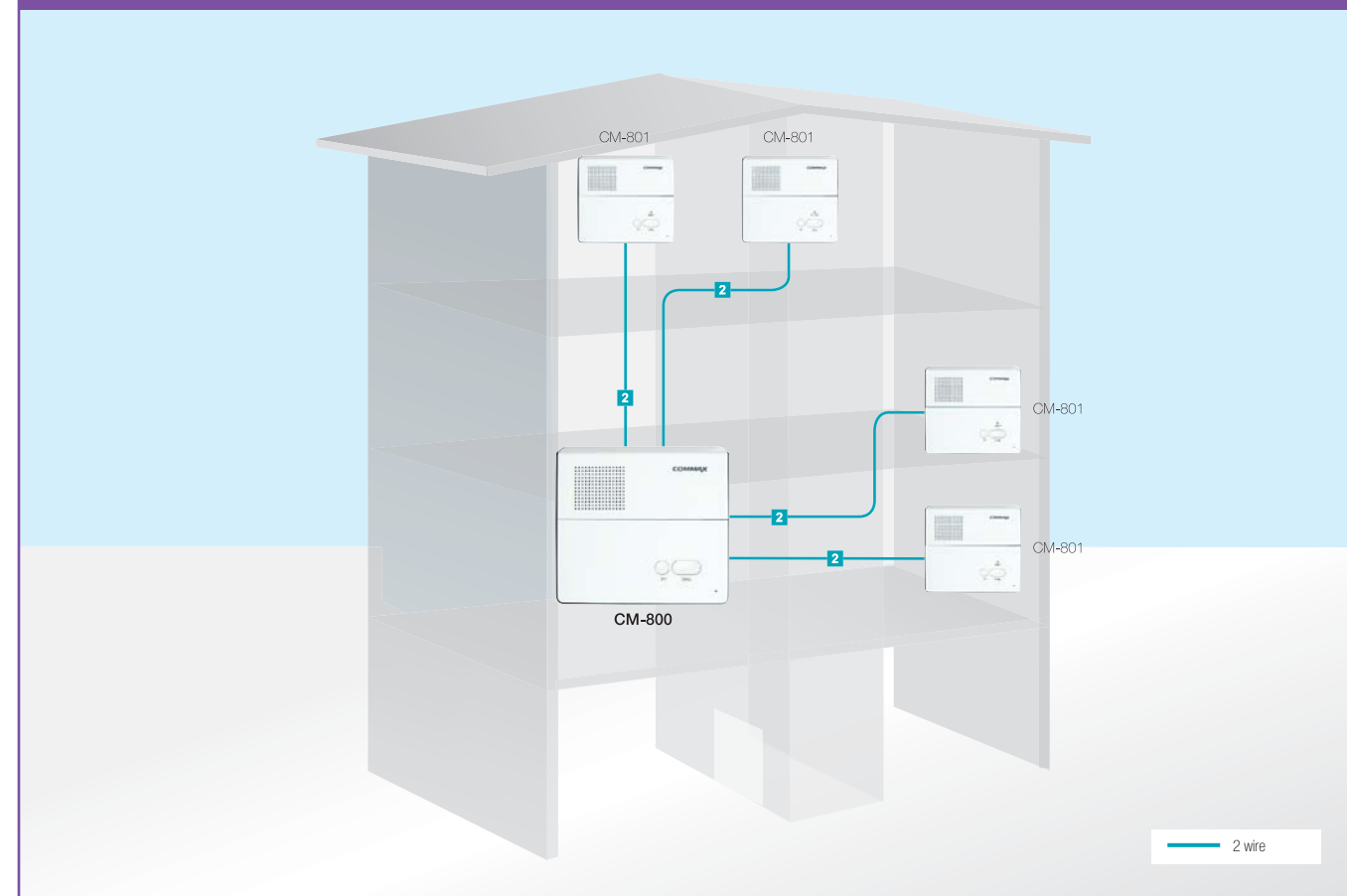
CM-801

Intercom
CM-800/801
Applicable to hospitals, guard station, office environments
Assuring the best audio quality at any places

CM-800

SYSTEM DIAGRAM

CM-801   CM-801

CM-801

CM-801

CM-800

2 wire

Specifications

- **Power source** : DC 12V, 200mA
- **Mounting type** : Wall surface mounted type & table type
- **Temperature** : 0°C ~ +40°C (32°F ~ 104°F)
- **Wiring** : Individual 2 wires(CM-800)
- **Distance** : 300m(ϕ0.65)
- **Dimension** : 254 x 155 x 53(mm)

Functions

- Adjustable sound level depending on its environments
- Enabling long communication through PTT function
- Calling to household
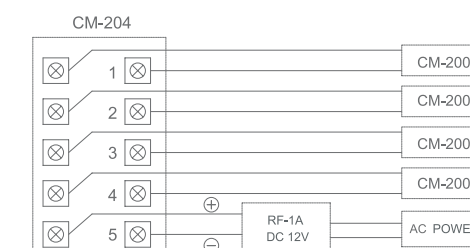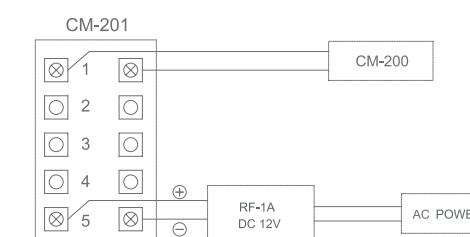- Indicating in-use status

Recommended Products

CM-800   RF-1AS(SMPS)   RF-1A(TRANS)

CONNECTING DIAGRAM

CM-201

	1		CM-200
2	
3	
4	
5		RF-1A DC 12V	AC POWER

CM-204

	1		CM-200
2		CM-200
3		CM-200
4		CM-200
5		RF-1A DC 12V	AC POWER

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Digital Door Lock
The most safe and elegant door lock in the world
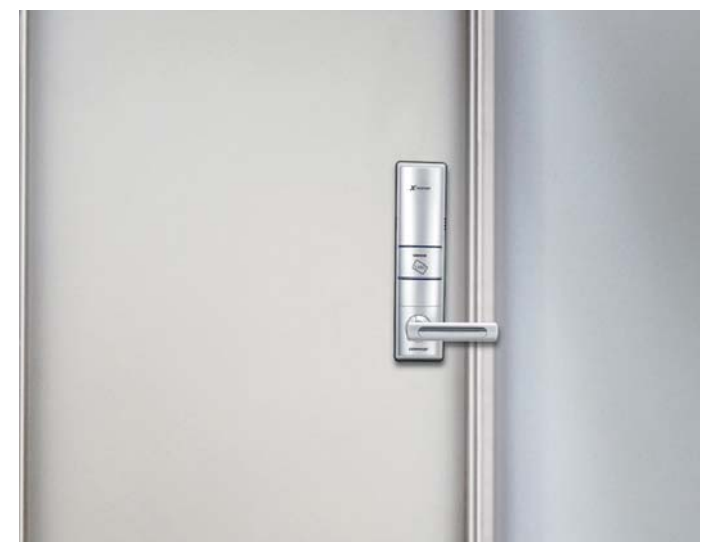
CDL-100/100R /100RC

Our digital door lock can make you feel comfortable and safe life, the lock is made from built-in static electricity prevention circuit, and designed
The CDL-500R is the most safe and elegant lock on the market today offering a built in system for safe high temperature, fire alarm function and door lock release function.

Digital
DoorLock

COMMAX digital door lock that includes RF card based non-contact type and fingerprint recognition type adopts easy-to-use manipulation system, powerful security function and sophisticated design, it is widely used to open and close doors not only in homes and offices but also in factories. As it is interlinked with home network system, it provides enhanced convenience at home as state-of-the-art digital door lock system.

The door lock consists of a key control unit to release the door lock through the use of a key insertion groove, a key control unit lock to fix or revolve a rotating body and an electric circuit to release the door lock.

Since the door lock includes panic system that enables a resident to open the door through a simple key action at a time of emergency, even old people and children can easily use it. If the door is forcibly opened, it gives the alarm, and its double-lock system keeps residents safe by preventing from opening the door even the use of a key or a password from outside.

Specifications

- **Operating** : Pin number, RFID pad
- **Battery** : 1.5V alkaline battery (AA size) 8 pcs.
- **Materials** : Out : zinc die casting / ABS, In : ABS steel
- **Alarm** : Built-in motis lock internal alarm function
- **Driving method** : Mechanical auto locking
- **Locking functions** : Panic release, automatic locking, double locking (forceful locking)
- **Optional** : Remote control(CDL-300RC)
- **Dimensions** : Out : 75 x 310 x 17.5(mm) / In : 86 x 280 x 40(mm)

Features

- Internal dual locking device, offering safety and comfort.
- Alarm voice deters in case of abnormal opening a door.
- In case of emergency, it is possible to open a door by simple operating of handle, which activate panic function.
- Maximization of security and convenience, by using 3 ways of opening (Pin number, emergency key, RF/ID card)
- In case of entrance of large number of people, it is possible to use passive mode of opening the door.
- Alarm voice with high noise will deter, if the door is forcefully entered.
- Usage of motis lock, which has passed 30,000 times of handle taking down testing.
- Compatibility with COMMAX's home network products (optional)

Functions

Possibility to use registered all cards, that have function of transport cards, operating when card is getting close, alarm voice for preventing entrance of undesirable visitors, burglar alarm, removal function of lost cards, one-touch function, auto lock function, built-in static electricity prevention function, remote control (optional), battery change alarm function

Digital Door Lock
The most safe and elegant door lock in the world

CDL-300/300R /300RC

This lock is developed in such way, that at an emergency situation, it is possible to leave safely the house, by easily opening a door, with usage of panic function.
The CDL-500R is the most safe and elegant lock on the market today offering a built in system for safe high temperature, fire alarm function and door lock release function.

CDL-500R

Our digital door lock can make you feel comfortable and safe life. The lock is made from built-in static electricity prevention circuit. The CDL-500R is the most safe and elegant lock on the market today offering a built in system for safe high temperature, fire alarm function and door lock release function.

Specifications

- **Operating** : Pin number, RFID pad
- **Battery** : 1.5V alkaline battery (AA size) 8 pcs.
- **Materials** : Out : zinc die casting / ABS, In : ABS steel
- **Alarm** : Built-in motis lock internal alarm function
- **Driving method** : Mechanical auto locking
- **Locking functions** : Panic release, automatic locking, double locking (forceful locking)
- **Optional** : Remote control(CDL-300RC)
- **Dimensions** : Out : 75 x 310 x 17.5(mm) / In : 86 x 280 x 40(mm)

Features

- Internal dual locking device, offering safety and comfort.
- Alarm voice deters in case of abnormal opening a door.
- In case of emergency, it is possible to open a door by simple operating of handle, which activate panic function.
- Maximization of security and convenience, by using 3 ways of opening (Pin number, emergency key, RF/ID card)
- In case of entrance of large number of people, it is possible to use passive mode of opening the door.
- Alarm voice with high noise will deter, if the door is forcefully entered.
- Usage of motis lock, which has passed 30,000 times of handle taking down testing.
- Compatibility with COMMAX's home network products (optional)

Functions

Possibility to use registered all cards, that have function of transport cards, operating when card is getting close, alarm voice for preventing entrance of undesirable visitors, burglar alarm, removal function of lost cards, one-touch function, auto lock function, built-in static electricity prevention function, remote control (optional), battery change alarm function

Specifications

- **Operating** : Pin number, RFID pad
- **Battery** : 1.5V alkaline battery (AA size) 4 pcs
- **Materials** : Out : zinc die casting / ABS, In : ABS steel
- **Alarm** : Built-in motis lock internal alarm function
- **Driving method** : Mechanical auto locking
- **Locking functions** : Panic release, automatic locking, double locking (forceful locking)
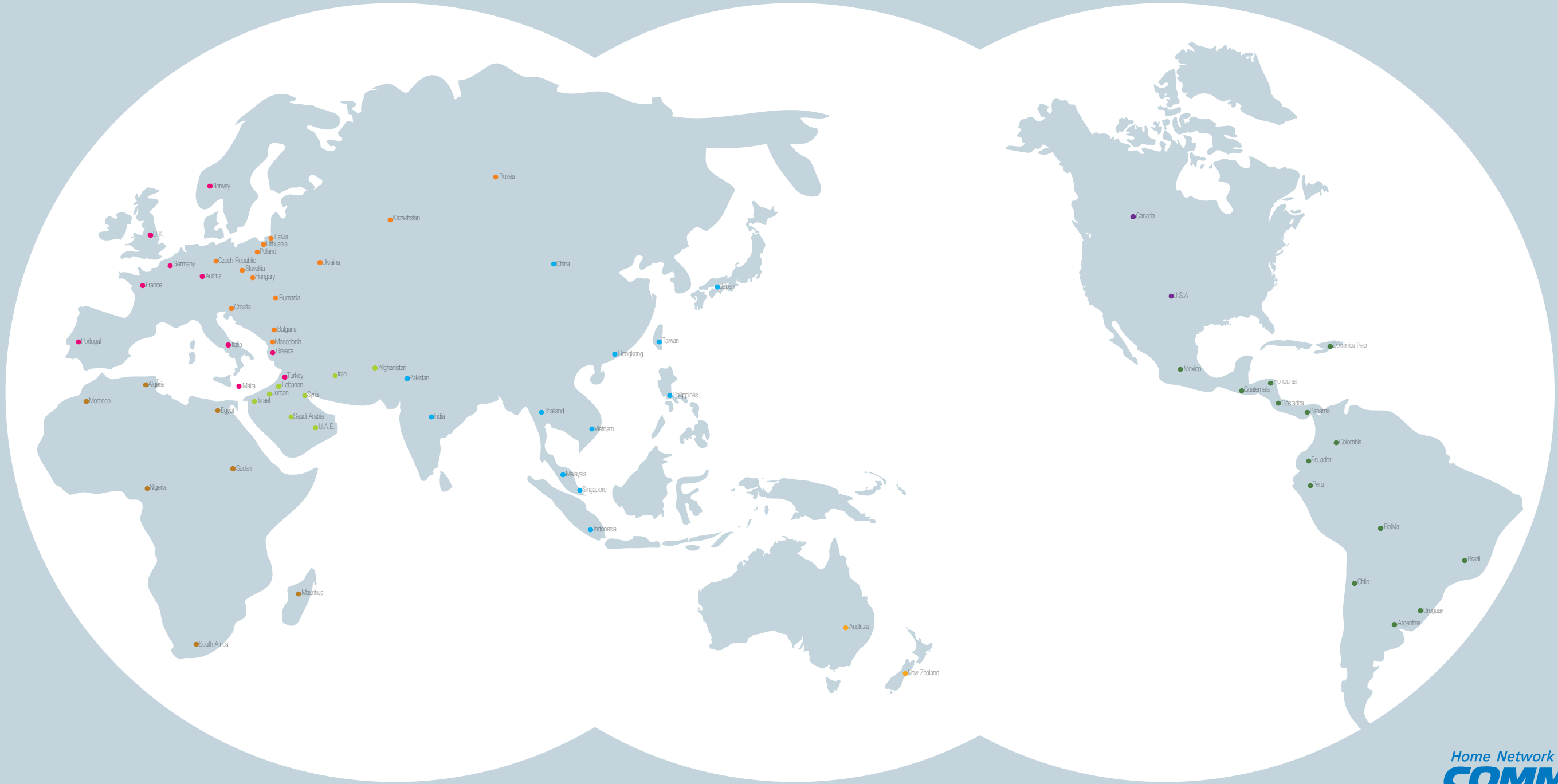- **Dimensions** : Out : 72 x 142 x 30(mm) / In : 42 x 165 x 90(mm)

Features

- Internal dual locking device, offering safety and comfort.
- Alarm Voice will deter, if the door is entered by abnormal way.
- Maximization of security and safety by using 3 methods of unlocking (Pin number, urgency key, RFID card)
- Possibility to use lock passive change when people entering the door, if there are parties or events
- Alarm voice with high noise will deter, if the door is forcefully entered.
- Usage of motis lock, which has passed 30,000 times of handle taking down testing.

Functions

Possibility to use registered all cards, that have function of transport cards, operating when card is getting close, alarm voice for preventing entrance of undesirable visitors, burglar alarm, removal function of lost cards, one-touch function, auto lock function, built-in static electricity prevention function, battery change alarm function

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Home Network
COMMAX
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For more information about our COMMAX, please visit our web-site
www.commax.com

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Germany
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Italy
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Portugal
Turkey
U.K.

Eastern Europe
Armenia
Bulgaria
Croatia
Czech Republic
Hungary
Kazakhstan
Latvia
Lithuana [Russian Federation]
Macedonia
Poland
Romania
Russia
Slovakia
Ukraine

Africa
Algerie
Egypt
Mauritius
Morocco
Nigeria
South Africa
Sudan

The Middle East
Afghanistan
Iran
Israel
Jordan
Lebanon
Saudi Arabia
Syria
U.A.E.

Asia
China
Hong Kong
India
Indonesia
Japan
Malaysia
Pakistan
Philippines
Singapore
Taiwan
Thailand
Vietnam

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Costa Rica
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Ecuador
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Mexico
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Uruguay

External design, features, functions, and specifications of product are subject to change without any prior notice to ensure the best quality of product.