COMMAX
SmartHome & Security

Product Guide

COMMAX
SmartHome & Security

2012
2013
COMMAX GUIDE

- HOME MOBILE • HOME NETWORK SYSTEM • HOME SECURITY SYSTEM
- HOME AUTOMATION SYSTEM • GATE VIEW SYSTEM
- MULTI ENTRY SYSTEM • SMART VIEW SERIES
- FINE VIEW • DOORPHONE • INTERPHONE
- INTERCOM & WIRELESS INTERCOM
- NURSE CALL SYSTEM • CAMERA
- SMART SECURITY SYSTEM

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IF design award which is the most important international product design award along with the red dot design award and IDEA design award.

iF product design award **2008**

iF product design award **2011**

GOOD DESIGN
The GD Selection, by recognizing and rewarding excellently designed products, promotes the advancement of design and encourages innovation and creativity.

Smart Life, Designed by **COMMAX**

Contents

SMART
CONTROL

Smart Home Technology of commax offers the smart life style eliminating the need to walk from room to room to adjust lights, temperatures, curtains and audio / video communication. It's always at your fingertips.

SMART
SECURITY

COMMAX Security System takes the responsibility for safety. It keeps you in safe inside and outside of your house such as in off-limits of household entrance, saving visitor's image during your absence, trespassing detection etc.

SMART
CONTENTS

A variety of delights enjoying the latest music, film and so on through the internet access, and UCC, game can be experienced in real time everywhere with WiFi connection enabled.

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HOME NETWORK SYSTEM

Internet enabled full touch screen operable device offers a full fledged features of home automation with modern aesthetic design authorized by IF design award. Pebble is design motif to make you feel comfortable just like at beach. Various colors are available (Silver, Dark, Gold) on 1020A.

2012 New Product

CDP-1020P

- Full touch screen operable
- Modern aesthetic design winning IF design award putting pebbles into product.
  - Visitor image monitoring, conversation • Security • GUI
  - Home control function • Scene setting
  - Reservation function • Convenient function
  - Entertainment function • Home away control

Power source	DC 14.5V, 2.5A
Mounted type	Flush-mounted type
LCD size	10.1" color TFT LCD
Dimension	318 X 215 X 18(61)(mm)
Operation	MPEG-4/H.264 video support(Video format depends on products) / SIP standard protocol
Image Saving	128 cuts
Reception	Individual Entrance : 50m(0.65Φ)
Distance	LAN session : 100m(from switching hub)

Recommended Products (Lobby phone)

DRC-700S (Crystal Lobby phone)

GOOD DESIGN

Crystal Window
Video Door Phone

- Registering up to 3 RF-ID cards per each household
- Crystal Window
- Guard Call and Talk
- House call by household number

Power source	DC 14V, 2.5A
Mounted type	Flush-mounted type
RFID Card	13.56Mhz
Wiring	UTP(CAT. 5e)
Dimension	240 X 270 X 13[40](mm)
Distance	LAN session :100m(from switching hub)
Rain Shield	250 X 275 X 73(mm)
	Alluminum Diecasting
	Flush-mounted type / Wall surface mounted type

Recommended Products (Guard Station)

CDP-700P

- Full touch screen operable
- Modern aesthetic design winning IF design award putting pebbles into product.
  - Visitor image monitoring, conversation • Security • GUI
  - Home control function • Scene setting
  - Reservation function • Convenient function
  - Entertainment function • Home away control

Power source	DC 14.5V, 2.5A
Mounted type	Flush-mounted type
LCD size	7" color TFT LCD
Dimension	243 X 168 X 18(61)(mm)
Operation	MPEG-4/H.264 video support(Video format depends on products) / SIP standard protocol
Image Saving	128 cuts
Reception	Individual Entrance : 50m(0.65Φ)
Distance	LAN session : 100m(from switching hub)

CDS-70M

- Full touch screen operable
- Calling and talking with household
- Parking management
- Screening for delivery
- Emergency indication and screening inside house

Power source	DC 12V, 1A
Mounted type	Wall surface mounted type / Desk type
LCD size	7" color LCD
Wiring	UTP(CAT. 5e)
Dimension	240 X 270 X 13 [40](mm)
Distance	LAN session : 100m(from switching hub)

WALL PAD

CDP-1020A

- iF Design Award & Aluminium panel • Touch GUI
- Monitoring • Talk with a visitor
- Monitoring a visitor at individual camera
- Talk between households • Telephone function
- Monitoring image of a visitor when being away
- Door lock release • Security • All-put out lights
- Additional to subphone

Power source	DC 14.5V, 2.5A
Mounted type	Flush-mounted type
LCD size	10.1", wide color LCD
Wiring	LAN(CAT. 5e)
Image Saving	128 cuts
Dimension	318 X 215 X 18(61)(mm)

HOME MOBILE

2012 New Product

COMMAX Home Mobile

CHM-890B

Wi-Fi

- A8 Coretex 1GHz • Android 2.3
- 16GB Movi-NAND/ 512MB RAM
- Wi-Fi / Bluetooth / GPS • USB , DC, EarMic Jack
- Option : UART, Audio out, HDMI

Battery	6,000mAh Li-polymer Battery Built-in rechargeable lithium-polymer batteryUp to 5 hrs on movie play Up to 24 hrs on Standby mode
Audio	Stereo Speaker inside Microphone inside Dolby 5.1 Channel Sound Movie : DivX, Xvid, H.264, MPEG-4 SP/ASP, H.263, WMV7/8, VC-1/WMV9, AVI, ASF, 3GP, MKV
Codec	Audio : MP2/3, WMA7/8/9, AAC, AAC+, Ogg Vorbis, FLAC, APE, AC-3 Viewer : EPUB, JPEG, PNG, BMP, GIF
Camera	CMOS, 1.3M Pixel Camera

CDP-700A

iF product design award 2008

- iF Design Award & Aluminium panel • Touch GUI
- Monitoring • Talk with a visitor
- Monitoring a visitor at individual camera
- Talk between households • Telephone function
- Monitoring image of a visitor when being away
- Door lock release • Security • All-put out lights
- Additional to subphone

Power source	DC 14.5V, 2.5A
Mounted type	Flush-mounted type
LCD size	7˝ wide color LCD
Wiring	LAN(CAT. 5e)
Image Saving	128 cuts
Dimension	239 X 165 X 18(61)(mm)

CDP-1020C

- Charming wall pad • Touch GUI
- Monitoring • Talk with a visitor
- Monitoring a visitor at individual camera
- Talk between house holds • Telephone function
- Monitoring image of a visitor when being away
- Door lock release • Security
- All-put out lights • Additional to subphone

| Power source	DC 14.5V, 2.5A
Mounted type	Flush-mounted type
LCD size	10.1˝ wide color LCD
Wiring	LAN(CAT. 5e)
Image Saving	128 cuts
Dimension	318 X 215 X 18(61)(mm)

CKV-1020C

- Monitoring & Talk with a visitor
- Watching TV & Listening to radio • Alarm setting
- Time display • Messaging recording
- Telephone receiving
- Speech recognition(Optional)
- Digital Tunner(Optional)
- Door lock release

Power source	AC 100~240V, 50/60Hz
Distance	To Master unit : 30m(0.65)
LCD size	10.1˝
Wiring	Master unit : 6 wires
Dimension	400 x 259 x 212(mm)
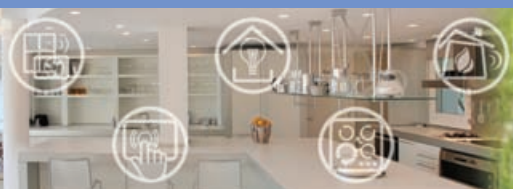
SECURITY   CONTROL   ECO

Smart SECURITY

CCTV
Check around the house with CCTV situation

Call and Save image of visitor
Check and save image of visitor in front of lobby gate and front gate

Smart CONTROL

Green Energy Solution
Solar energy, Stand by power

Energy management solution
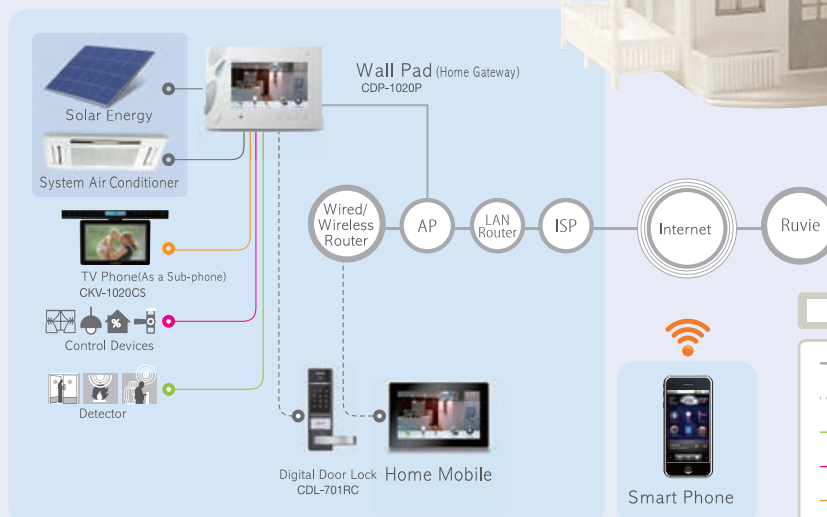Temperature control, AMR

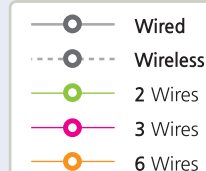### Smart CONTENTS

U-health Care

Education. E-Book

System Diagram

Security	Comportable	Android OS	Contents	Contents

Solar Energy

System Air Conditioner

TV Phone(As a Sub-phone)
CKV-1020CS

Control Devices

Detector

Digital Door Lock Home Mobile
CDL-701RC

Wall Pad (Home Gateway)
CDP-1020P

Wired/Wireless Router — **AP** — **LAN Router** — **ISP** — **Internet** — **Ruvie**

Smart Phone

System Diagram

- ──○── **Wired**
- --○-- **Wireless**
- ──○── **2** Wires
- ──○── **3** Wires
- ──○── **6** Wires

HOME SECURITY SYSTEM

Internet enabled full touch screen operable devices offer wide range of fail safe security feature with a single touch to your Home.

2012 New Product

DRC-700S (Crystal Lobby phone)

NEW

GOOD DESIGN

Crystal Window
Video Door Phone

• Registering up to 3 RF-ID cards per each household
• Crystal Window
• Guard Call and Talk
• House call by household number

Power source	DC 14V, 2.5A
Mounted type	Flush-mounted type
RFID Card	13.56Mhz
Wiring	UTP(CAT. 5e)
Dimension	240 X 270 X 13[40](mm)
Rain Shield	250 X 275 X 73(mm)
	Alluminum Diecasting
	Flush-mounted type / Wall surface mounted type

CDS-70M

NEW

• Seperate wires for Guard connection
• Guard Call and Talk(1 CH)
• House call by household number
• Distance : LAN session : 100m(from switching hub)
• Full touch screen operable
• Android OS
• Calling and talking with household
• Parking management
• Screening for delivery
• Emergency indication and screening inside house

Power source	DC 12V, 1A
Mounted type	Wall surface mounted type / Desk type
LCD size	7″ color LCD
Wiring	UTP(CAT. 5e)
Dimension	240 X 270 X 13 [40](mm)
Distance	LAN session : 100m(from switching hub)

WALL PAD

CHS-1020A / CHS-1020AW

iF product design award 2008

• iF Design Award & Aluminium panel • Touch GUI
• Monitoring • Talk with a visitor
• Monitoring a visitor at individual camera
• Talk between households
• Monitoring image of a visitor when being away
• Door lock release • Security • All-put out lights
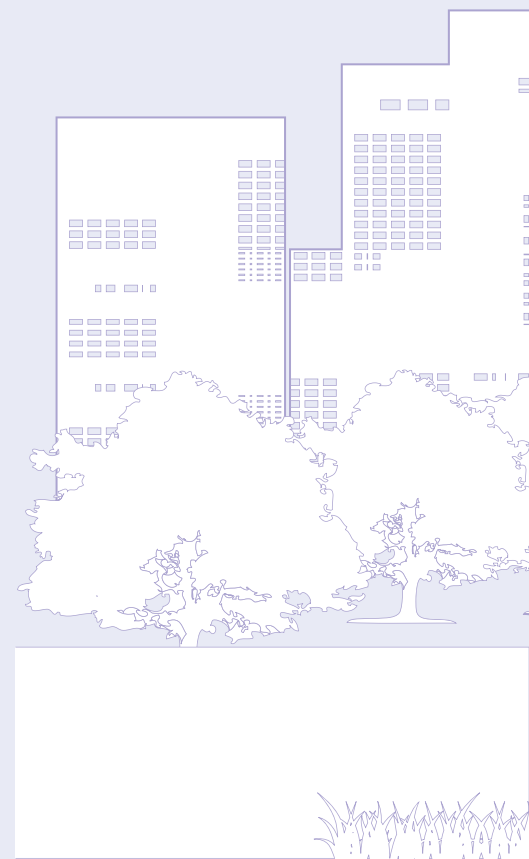• Additional to IP subphone

	1020A	1020AW
Power source	DC 14.5V, 2.5A	
Mounted type	Flush-mounted type	Wall surface mounted type
LCD size	10.1″ wide color LCD	
Wiring	LAN(CAT. 5e)	
Dimension	318 X 215 X 18(61)(mm)	

CHS-1020C

• Charming wall pad • Touch GUI
• Monitoring • Talk with a visitor
• Monitoring a visitor at individual camera
• Talk between households
• Monitoring image of a visitor when being away
• Door lock release • Security
• All-put out lights

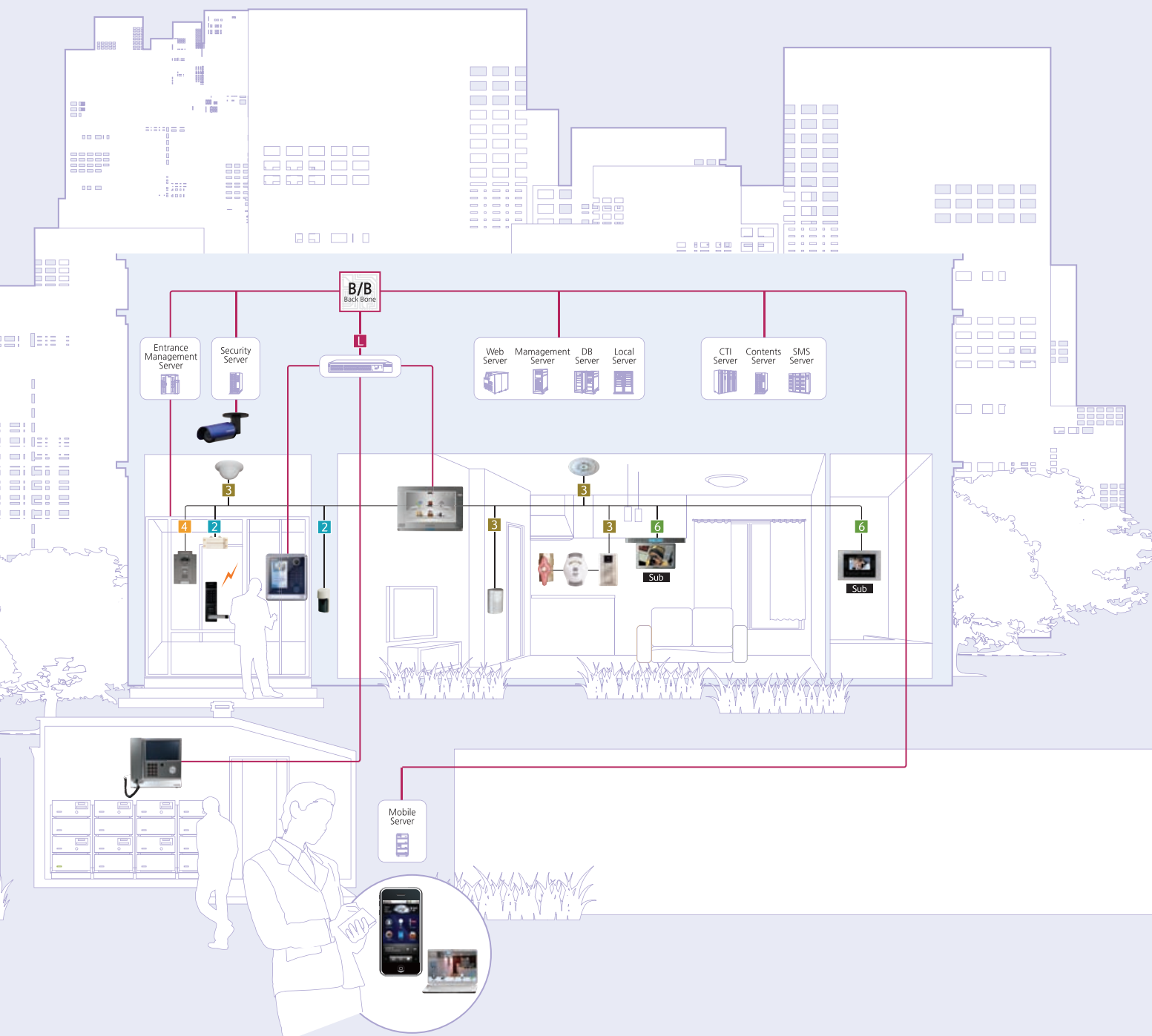|	
Power source	DC 14.5V, 2.5A
Mounted type	Flush-mounted type
LCD size	10.1″ wide color LCD
Wiring	LAN(CAT. 5e)
Dimension	318 X 215 X 18(61)(mm)

CHS-700A / 700AW

iF product design award 2008

• iF Design Award & Aluminium panel • Touch GUI
• Monitoring • Talk with a visitor
• Monitoring a visitor at individual camera
• Talk between households
• Monitoring image of a visitor when being away
• Door lock release • Security • All-put out lights
• Additional to IP subphone

	700A	700AW
Power source	DC 14.5V, 2.5A	
Mounted type	Flush-mounted type	Wall surface mounted type
LCD size	7″ wide color LCD	
Wiring	LAN(CAT. 5e)	
Dimension	239 X 165 X 18(61)(mm)	

Specialized for Security feature

- Interactive with smart phone
- CCTV monitoring
- SMS/TEXT message in monitor
- Interface with sensor device
- Max. House hold connection depending on server capacity

System Diagram

L	LAN
2	2 Wires
3	3 Wires
4	4 Wires
6	6 Wires

B/B
Back Bone

L

Entrance Management Server

Security Server

Web Server Mamagement Server DB Server Local Server

CTI Server Contents Server SMS Server

Mobile Server

Sub

Sub

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HOME AUTOMATION SYSTEM

- Customization of Operating Parameters • Monitoring a visitor at individual camera
- Unlimited Households • Total Security Management
- Talk between households • Talk with a visitor • Security

2012 New Product — Premium Wall-pad

CAV-700P

NEW

iF product design award 2011

- Touch GUI
- Monitoring • Talk with a visitor
- Monitoring a visitor at individual camera
- Talk between households
- Monitoring image of a visitor when being away
- Door lock release
- Security

Power source	DC 14,5V, 2,5A
Mounted type	Flush mounted type
LCD size	7˝ wide color LCD
Wiring	Common 12 wires, Camera 4 wires
Dimension	243 X 168 X 18(61)(mm)

2012 New Product — Video Door Phone

CAV-35FMH

NEW

- Monitoring • Talk with a visitor
- Monitoring a visitor at individual camera
- Talk between households
- Monitoring image of a visitor when being away
- Door lock release

Power source	AC 100~240V, 50/60Hz
Mounted type	Flush mounted type
LCD size	3,5˝ color LCD
Image Saving	128 cuts
Wiring	Common 12 wires, Camera 4 wires
Dimension	239 X 165 X 18(61)(mm)

2012 New Product — Lobby Phone

DRC-700LC / RF 1 (Crystal Lobby phone)

NEW

GOOD DESIGN

Crystal Window
Video Door Phone

- Registering up to 3 RF cards per each household
- Crystal Window
- Separate wires for Guard connection
- Guard Call and Talk (3 CH)
- House call by household number
- Distance : Max, 300 Meter (Coaxial 5C2V)

Power source	DC 12V, 1A
Mounted type	Flush-mounted type
RFID Card	13,56Mhz (Optional RF function)
Wiring	Common 10 wires + 5C2V Coaxial Cable
Dimension	240 X 270 X 13[40](mm)
Rain Shield	250 X 275 X 73(mm)
	Alluminum Diecasting
	Flush-mounted type / Wall surface mounted type

HOME AUTOMATION SYSTEM

CAV-707AM / 707AM1 / 707AM2

iF product design award 2008

- Touch GUI • Compatible with 1,8GHz wireless telephone
- Monitoring • Talk with a visitor
- Monitoring a visitor at individual camera
- Talk between house holds • Telephone function
- Monitoring image of a visitor when being away
- Door lock release • Security • All-put out lights
- Additional to subphone

Power source	DC 14,5V, 2,5A
Mounted type	Flush mounted type
LCD size	7˝ wide color LCD
Wiring	Common 12 wires, Camera 4 wires
Dimension	239 X 165 X 18(61)(mm)

CAV-51SD

- Monitoring • Talk with a visitor
- Monitoring a visitor at individual camera
- Talk between households • Telephone function
- Door lock release • Security • Handset

Power source	AC 100~240V, 50/60Hz
Mounted type	Wall surface mounted type
LCD size	5˝ color LCD
Wiring	Common 12 wires, Camera 4 wires
Dimension	323 X 165 X 56(mm)

Recommended Products (Guard Station)

CDS-MV

CAV-501D

- Monitoring
- Talk with a visitor
- Monitoring a visitor at individual camera
- Talk between house holds / DID
- Telephone function
- Door lock release
- Security

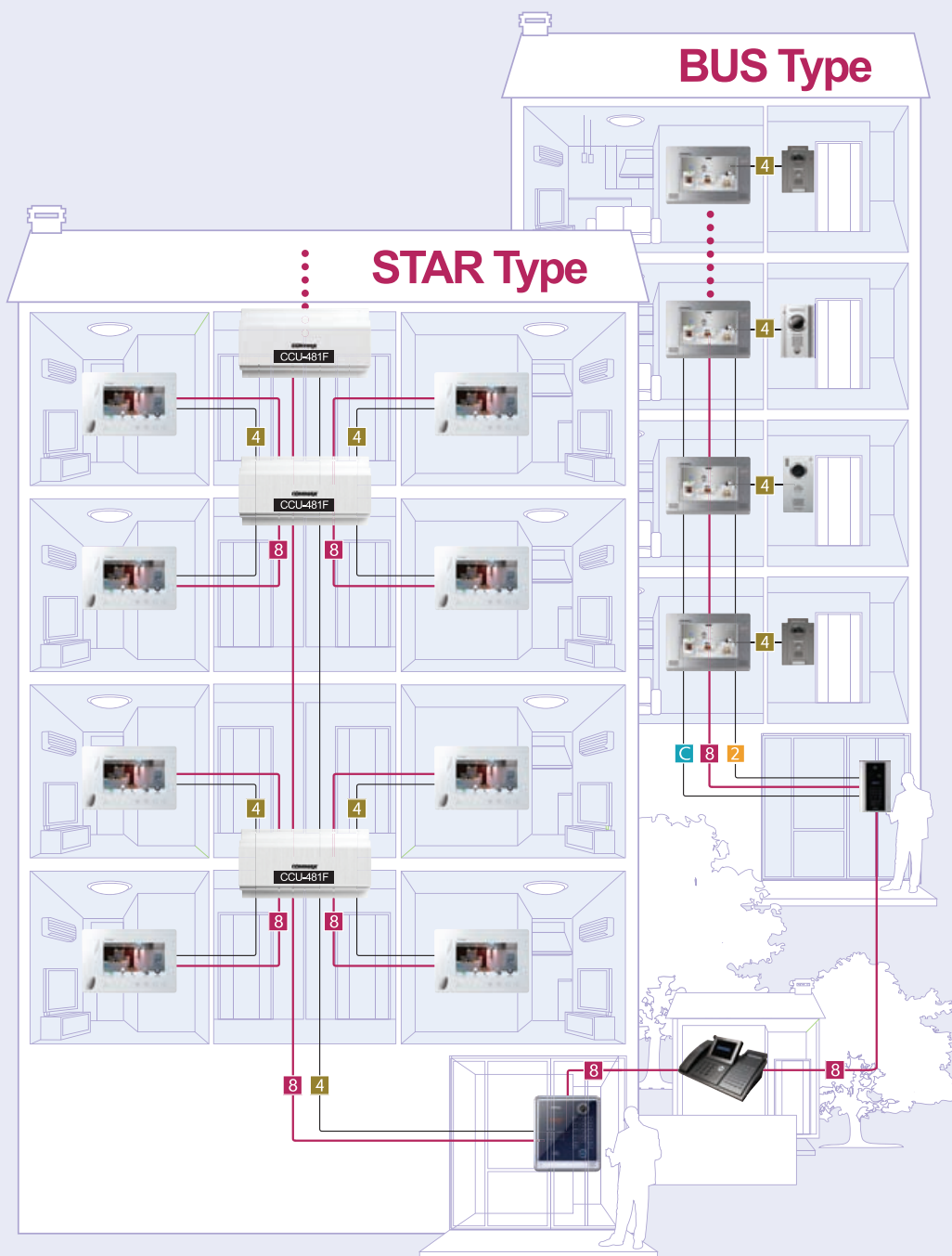| Power source	AC 100~240V, 50/60Hz
Mounted type	Flush mounted type
LCD size	5" color LCD
Wiring	Common 12 wires, Camera 4 wires
Dimension	263 X 220 X 23(82)(mm)

AP-481LN

- Talk with a visitor
- Talk between house holds
- Door lock release
- Handset

Power source	AC 110/220/230V, 50/60Hz
Mounted type	Wall surface mounted type
Wiring	Common 10 wires, Individual 3 wires
Dimension	195 X 135 X 50(mm)

- Calling and talking with household
- Parking management (option)
- Intercommunication between household
- Home delivery notice
- Emergency indication and screening inside house

Power source	DC 15V, 1.5A
LCD size	5" color LCD
Wiring	Master unit 8 wires / 5C2V Coaxial Cable(option)
Dimension	233 X 223 X 100(mm)

BUS Type

STAR Type

CCU-481F

CCU-481F

CCU-481F

System Diagram

C	Coaxial Cable	
2	2 Wires	
4	4 Wires	
8	8 Wires	

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GATE VIEW SYSTEM

- Easy Installation 1 Cable system (UTP Cable) • Connectable individual Camera
- Guard Call and Door release(Lobby & Door camera) • OSD Menu • Up to 400 households
- Guard Station Talk • Lobby phone Talk • Door lock release

2012 New Product — Premium Video Door Phone

CAV-70PG / CAV-70PGM

NEW

iF product design award 2011

- LED Back Light • Talk with a visitor • Door lock release
- No Coaxial Cable required for Video • OSD Menu
- Monitoring a visitor at Individual camera
- Guard Station Talk • Lobby phone Talk
- Guard Call and Door release (Lobby & Door camera)
- Built-in Image Memory(Micro SD Card optional): CAV-70PGM

	70PG	70PGM (Memory)
Power source	AC 100~240V, 50/60Hz	
Mounted type	Wall surface mounted type	
LCD size	7" wide color LCD	
Image Saving	•	128 cuts & Video Clip
Wiring	UTP (CAT. 5e) (Common 8wires+Camera 4wires)	
Dimension	243 X 168 X 18(61)(mm)	

CAV-40QG / 40QGD / 40QGM

NEW

Crystal Window
Video Door Phone

- LED Back Light • Talk with a visitor • Door lock release
- No Coaxial Cable required for Video • OSD Menu
- Monitoring a visitor at Individual camera
- Guard Station Talk • Lobby phone Talk
- Guard Call and Door release (Lobby & Door camera)
- Built-in Image Memory(Micro SD Card optional): CAV-40QGM

	40QG	40QGM (Memory)	40QGD
Power source	AC 100~240V, 50/60Hz		DC 18V
Mounted type	Wall surface mounted type		
LCD size	4" color LCD		
Image Saving	•	128 cuts & Video Clip	•
Wiring	UTP (CAT. 5e) (Common 8wires+Camera 4wires)		
Dimension	235 X 140 X 35(mm)		

CAV-40NG / 40NGM

NEW

Crystal Window
Video Door Phone

- LED Back Light • Talk with a visitor • Door lock release
- No Coaxial Cable required for Video • OSD Menu
- Monitoring a visitor at Individual camera
- Guard Station Talk • Lobby phone Talk
- Guard Call and Door release (Lobby & Door camera)
- Built-in Image Memory(Micro SD Card optional): CAV-40NGM

	40NG	40NGM (Memory)
Power source	AC 100~240V, 50/60Hz	
Mounted type	Wall surface mounted type	
LCD size	4" color LCD	
Image Saving	•	128 cuts & Video Clip
Wiring	UTP (CAT. 5e) (Common 8wires+Camera 4wires)	
Dimension	249 X 122 X 38(mm)	

2012 New Product — Lobby Phone

DRC-700LGC

NEW

GOOD DESIGN

Crystal Window
Video Door Phone

- Crystal Window • House call by household

Power source	DC 12V, 1A
Mounted type	Flush-mounted type
RFID Card	13.56Mhz (Optional RF function)
Wiring	UTP (CAT. 5e)
Dimension	240 X 270 X 13 [40] (mm)
Rain Shield	250 X 275 X 73(mm)

- Alluminum Diecasting
- Flush-mounted type
- Wall surface mounted type

DRC-900LVC
(Vandal Proof Lobby Pinhole Camera)

NEW

- Separate wires for Guard connection
- Guard Call and Talk • Alluminum Diecasting • Distance: Max.300(M)

Power source	DC 12V, 1A
Mounted type	Wall surface mounted type
RFID Card	13.56Mhz (Optional RF function)
Wiring	UTP(CAT. 5e)
Dimension	130 X 240 X 13 [40](mm)
Rain Shield	• Alluminum Diecasting 250X275X73(mm)

- Alluminum Diecasting
- Flush-mounted type

DRC-GAC

- Max. 4 Lobby Panels connectable
- House call by household number

Power source	DC 12V, 1A
Mounted type	Flush mounted type
RFID Card	13.56Mhz (Optional RF function)
Wiring	UTP(CAT. 5e)
Dimension	123 X 314 X 50(mm)

GATE VIEW SYSTEM

CAV-70GA

- LED Back Light • OSD Menu • Talk with a visitor
- No Coaxial Cable required for Video • Guard Station Talk
- Lobby phone Talk • Door lock release
- Guard Call and Door release (Lobby & Door camera)
- Monitoring a visitor at Individual camera

Power source	AC 100~240V, 50/60Hz
Mounted type	Wall surface mounted type
LCD size	7" color LCD
Wiring	UTP (CAT. 5e) (Common 8wires+Camera 4wires)
Dimension	243 X 168 X 35(mm)

CAV-35GN

- LED Back Light • Talk with a visitor • No Coaxial Cable required for Video • Monitoring a visitor at Individual camera
- Guard Station Talk • Lobby phone Talk • Door lock release
- Guard Call and Door release (Lobby & Door camera)

Power source	AC 100~220V, 50/60Hz
Mounted type	Wall surface mounted type
LCD size	3.5" color LCD
Wiring	UTP (CAT. 5e) (Common 8wires+Camera 4wires)
Dimension	192 X 209 X 31(mm)

Recommended Products (Guard Station)

CDS-4GS

- Interphone with In-house unit • Interphone with Lobby phone
- Door release for Lobby door

Power source	DC 12V, 1A
Mounted type	Wall surface mounted & Table type
Wiring	UTP (CAT. 5e) (4wires)
Dimension	195 X 135 X 50(mm)

CAV-50GN

• LED Back Light • Talk with a visitor • No Coaxial Cable
  required for Video • Monitoring a visitor at Individual camera
• Guard Station Talk • Lobby phone Talk
• Guard Call and Door release (Lobby & Door camera)
• Door lock release

Power source	AC 100~240V, 50/60Hz
Mounted type	Wall surface mounted type
LCD size	5" color LCD
Wiring	UTP (CAT. 5e) (Common 8wires+Camera 4wires)
Dimension	259 X 126 X 37(mm)

CAV-50GA

• LED Back Light • Talk with a visitor • No Coaxial Cable
  required for Video • Monitoring a visitor at Individual camera
• Guard Station Talk • Lobby phone Talk
• Guard Call and Door release (Lobby & Door camera)
• Door lock release

Power source	AC 100~240V, 50/60Hz
Mounted type	Wall surface mounted type
LCD size	5" color LCD
Wiring	UTP (CAT. 5e) (Common 8wires+Camera 4wires)
Dimension	245 X 175 X 45(mm)

CAV-35GH

• LED Back Light • Talk with a visitor • No Coaxial Cable
  required for Video • Monitoring a visitor at Individual camera
• Guard Station Talk • Lobby phone Talk
• Guard Call and Door release (Lobby & Door camera)
• Door lock release • OSD Menu

Power source	AC 100~240V, 50/60Hz
Mounted type	Wall surface mounted type
LCD size	3.5" color LCD
Wiring	UTP (CAT. 5e) (Common 8wires+Camera 4wires)
Dimension	133 X 209 X 31(mm)

AP-3SG

• Talk with a visitor • Guard Station Talk
• Lobby phone Talk • Door lock release

Power source	AC 100V, 110V, 220V, 50/60Hz
Mounted type	Wall surface mounted type
Wiring	UTP (CAT. 5e) (Common 6wires+Door unit 3wires)
Dimension	94 X 185 X 38(mm)

Video Signal Distributor

VD-103

1. Coverage of House hold
   a. Covering up to 200 Flats (Max.300m) with out Video
      signal distributor
   b. Covering up to 400 Flats (Max.300m) with Video signal
      distributor

2. 1 INPUT & 3 OUTPUT

System Diagram

UTP Cable

System Diagram

3	3 Wires
4	4 Wires
6	6 Wires
8	8 Wires

STAR Type

Floor Distributor

BUS Type

From first lobby panel to the last household : Max. 300m

VD-103
VD should be
installed in a
Junction box
near DRC-GAC

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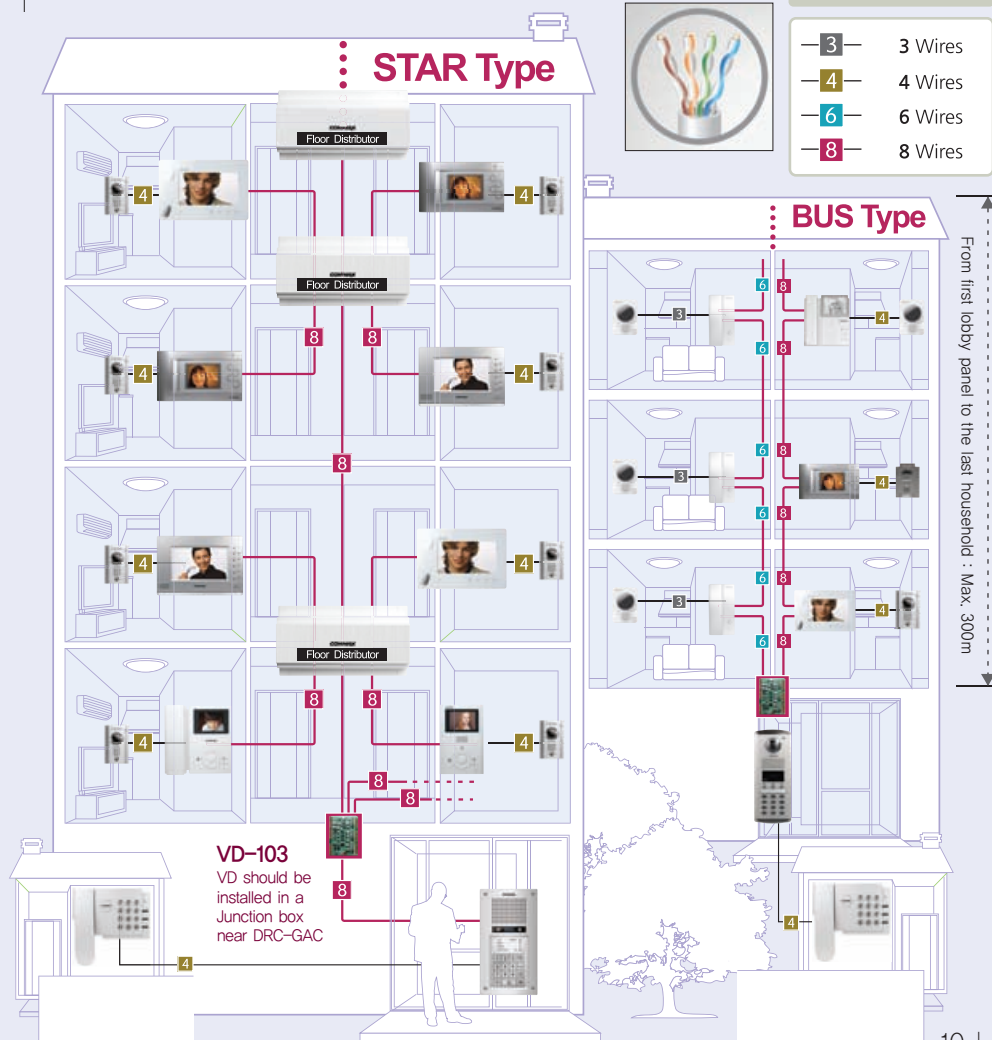
MULTI ENTRY SYSTEM

• Easy Installation 1 Cable system (UTP Cable)
• Up to 2,400 Households • In−house unit from audio to video • Door lock release(Lobby phone)
• Additional 2 subunits connectable • Sub−monitors need an extra power source

MULTI ENTRY SYSTEM

CAV−51AM

• Additional 2 subunits connectable
• Sub−monitors need an extra power source (DC 24~28V)
• Door lock release

Power source	from CCU−FS
Mounted type	Wall surface mounted type
LCD size	5" color LCD
Wiring	6 wires
Dimension	245 X 175 X 45(mm)

CAV−51M

• Additional 2 subunits connectable
• Sub−monitors need an extra power source (DC 24~28V)
• Door lock release

Power source	from CCU−FS
Mounted type	Wall surface mounted type
LCD size	5" color LCD
Wiring	6 wires
Dimension	245 X 175 X 45(mm)

CAV−35NM

• Additional 2 subunits connectable
• Sub−monitors need an extra power source (DC 24~28V)
• Door lock release

Power source	from CCU−FS
Mounted type	Wall surface mounted type
LCD size	3,5" color LCD
Wiring	6wires
Dimension	192 X 209 X 31(mm)

CAV−35HM

• Additional 2 subunits connectable
• Sub−monitors need an extra power source (DC 24~28V)
• Door lock release

Power source	from CCU−FS
Mounted type	Wall surface mounted type
LCD size	3,5" color LCD
Wiring	6 wires
Dimension	133 X 209 X 31(mm)

CDS−2MG

• Talk with household
• Talk with common entrance
• Door lock release

Power source	from CCU−BS
Mounted type	Wall surface mounted type or Desk Top
Wiring	2 wires
Dimension	195 X 135 X 50(mm) / Hand set : 196 X 200 X 50(mm)

AP−5HM

• Additional 2 subunits connectable • Door lock release
• Talk with a visitor • No need for additional power source

Power source	from CCU−FS
Mounted type	Wall surface mounted type
Wiring	5 wires
Dimension	94 X 259 X 55(mm)

DISTRIBUTORS

Outside distributor
CCU−OS
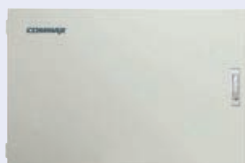
Power source	AC 100~220V, 50/60Hz
Wiring	1)CCU−OS to CCU−BS : 8 wires 2)CCU−OS to DRC−OSC/OSB : 8 wires
Dimension	300 X 200 X 52(mm)
Distance	1)CCU−BS to CCU−OS : 400m 2)Wiring can be used with one UTP cable(CAT 5,) to entry panel,

Floor distributor
CCU−FS

Power source	DC 24~28V, 5A
Wiring	CCU−FS to in−house
Dimension	unit : 6 wires
Distance	159 X 88 X 59(mm) 1)CCU−BS to last CCU−FS : 200m 2)Wiring can be used with one UTP cable (CAT 5,) to entry panel,

Building distributor
CCU−BS

Power source	DC 24~28V, 5A
Wiring	CCU−BS to CCU−FS : 8 wires
Dimension	159 X 88 X 59(mm)
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,

DRC-OSC

- Connect up to 4 multi-entry
- Door release by personal identity number
- Talk with guard

DRC-MSC

- Connect up to 4 multi-entry
- Door release by personal identity number
- Talk with guard
- Connect all multi-entry panels with main distributor(CCU-BS)

DRC-nSC

- Connect up to 4 multi-entry panel per building
- Connect all multi-entry pannels with main distributor (CCU-BS)

DR-nSB

- Connect up to 4 multi-entry panel per building
- Connect all multi-entry pannels with main distributor (CCU-BS)

Power source	OSC (from CCU-OS) / MSC (from CCU-BS)
Mounted type	Flush mounted type
Wiring	8 wires
Dimension	140 X 341 X 30(44) (mm)

Power source	from CCU-BS
Mounted type	Flush mounted type
Wiring	8 wires
Dimension	140 X 341 X 30(44) (mm)

Power source	from CCU-BS
Mounted type	Flush mounted type
Wiring	8 wires
Dimension	140 X 341 X 30(44) (mm)

System Diagram

1 Cable System (UTP Cable)

UTP Cable

System Diagram

2	2 Wire
6	6 Wire
8	8 Wire
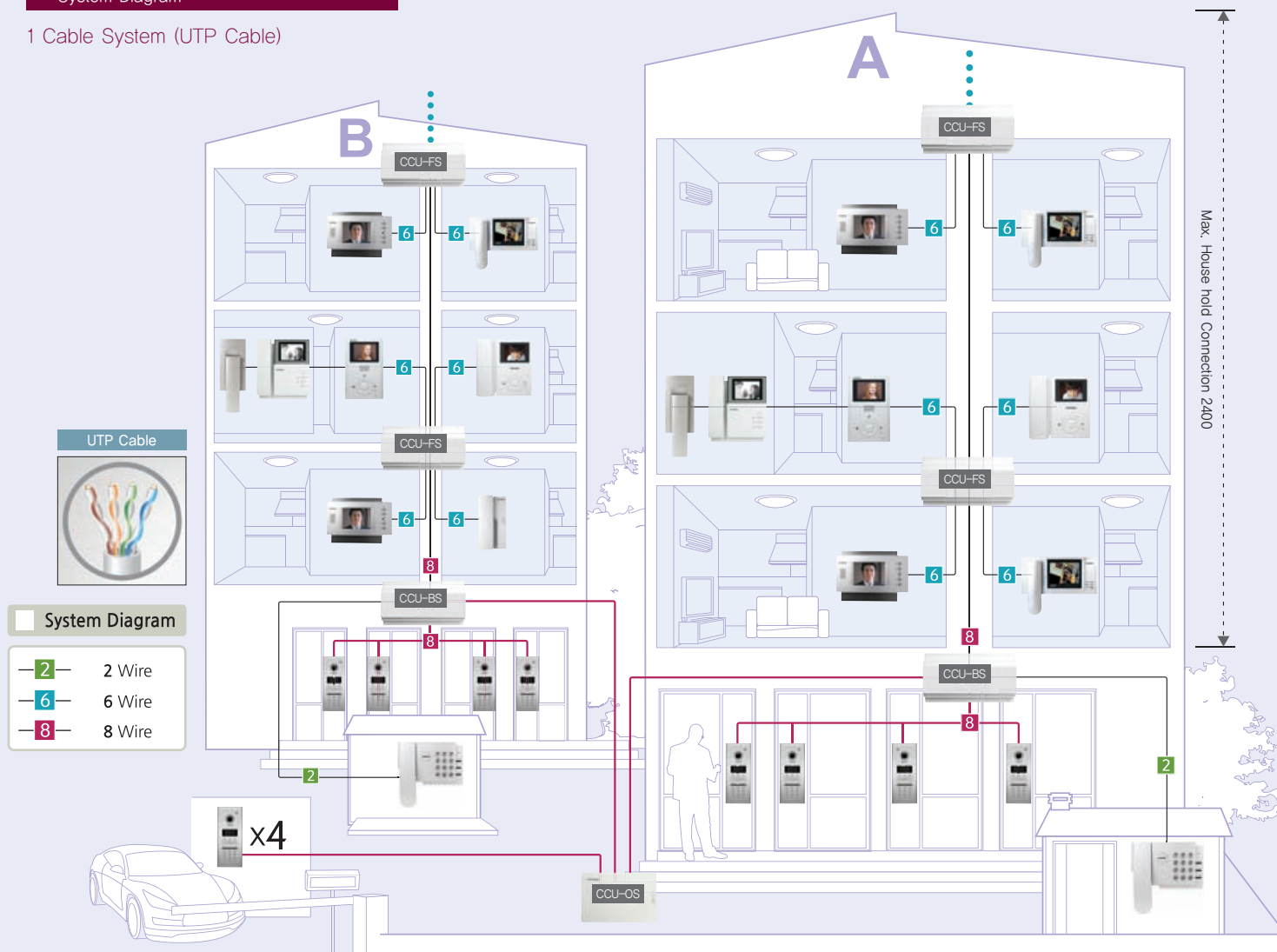
SMART VIEW SERIES

SMART VIEW - X

CDV-72BXM / BXS

iF product design award 2008

- Connectable 4 dect-phones(option)
- Door lock release & talk with a visitor
- Intercommunication

Power source	DC 14V, 3A
Mounted type	Wall surface Mounted type
LCD size	7" wide color LCD
Wiring	4 wire to Camera / 6 wire to interphone
Dimension	314 X 173 X 44(mm)
Distance	50m

CDS-SDX

- Built-in 4-channel full D1 real-time stand alone DVR • Triplex • H.264 H/W Codec
- Event call • Network monitoring via web site

Power source	DC 12V
Wiring	4wires
Dimension	300 X 200 X 51(mm)
Video / Audio	4/1
Monitoring, Recording	120 / 100

SENSOR

CIS-30M	CIS-10M	CPS-200P
• DC 10.8~25V	• DC 10.8~25V	• DC 8~14V
• 73 X 177 X 84(mm)	• 73 X 177 X 84(mm)	• 55 X 13 X 12(mm)
• Outdoor, Indoor	• Outdoor, Indoor	• Indoor

CPS-100D	MS-10
• DC 8~18V	• 0.5A
• 131 X 60(mm)	• 65 X 14 X 14(mm)
• Indoor	• Inside of door

CCTV & DVR
- Up to 4 CCTV cameras
- Real time recoding (CCTV camera) & playback
- H.264 Compression
- Monitors show and DVR record the scene of CCTV camera when sensor is activated

ALARM
- 4 security zone by sensors & Alert to the designated phone

Door Access
- Up to 2 door cameras • Door release • Door Access
- Monitoring & talk with a visitor • CCTV Camera
- Total Security & communication System
- Network • Alarm Sensor • DVR

System Diagram

	System Diagram
C	Coaxail Cable
2	2 Wires
4	4 Wires
6	6 Wires
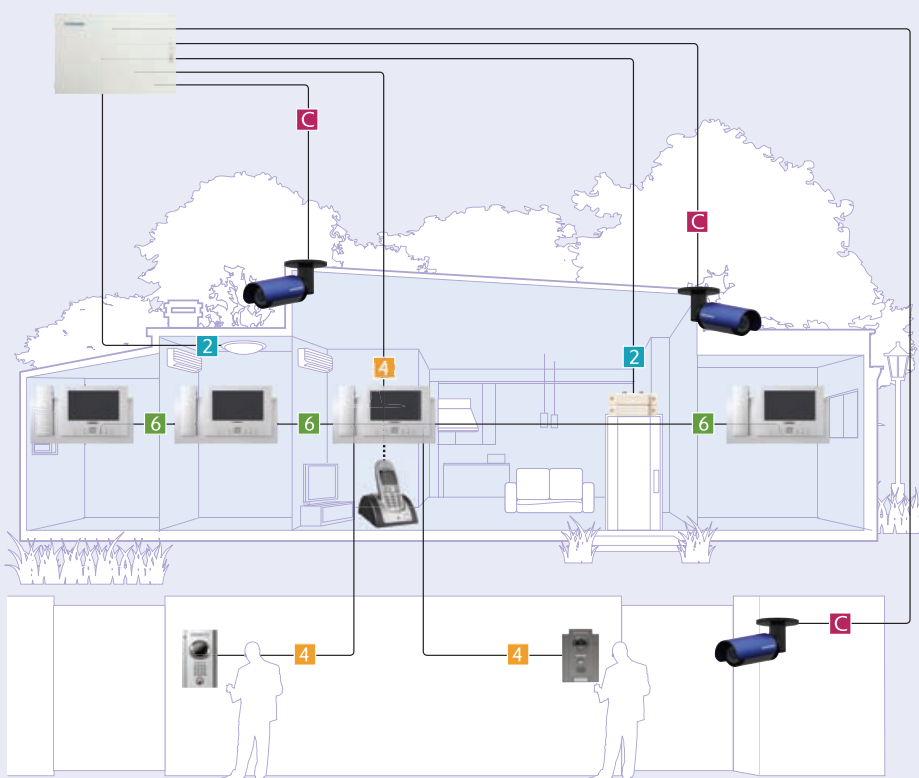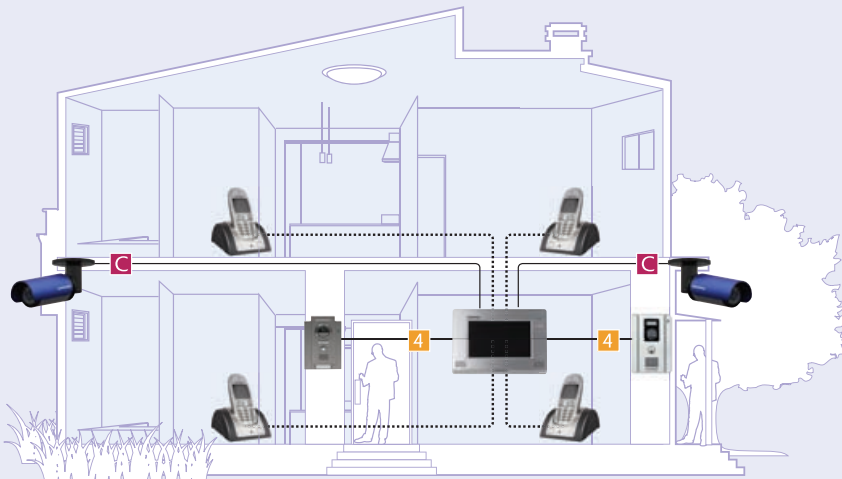
SMART VIEW (Wide Quad)

CDV-1020AQ

- iF Design Award & Aluminium panel
- Wide Quad screen display • Visitor image memory(68 cuts)
- User friendly GUI & Touch screen display
- Connectable 4 dect-phones & 4 Cameras
- Door lock release & talk with a visitor • Intercommunication

Power source	AC 100V~240V, 50/60Hz, 25W
Mounted type	Wall surface Mounted type
LCD size	10.1" wide color LCD with GUI
Wiring	4wire to Camera
Dimension	318 X 215 X 18(61)(mm)
Distance	50m to Camera
Image record	NTSC : 68cuts / PAL : 58cuts

CDV-71BQS
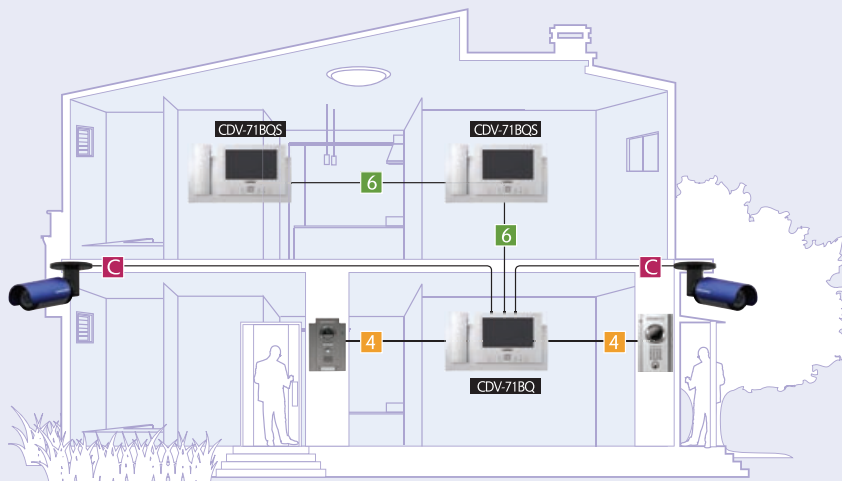
CDV-71BQS

CDV-71BQ

SMART VIEW (Quad)

CDV-71BQ / CDV-71BQS

- 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 100V~240V, 50/60Hz, 25W
Mounted type	Wall surface Mounted type
LCD size	7" wide color LCD
Wiring	Camera to CDV-71BQ : 4 wires
	CDV-71BQ to CDV-71BQS : 6 wires
Dimension	314 X 173 X 53(mm)

CAV-71B 20 20 CAV-72B
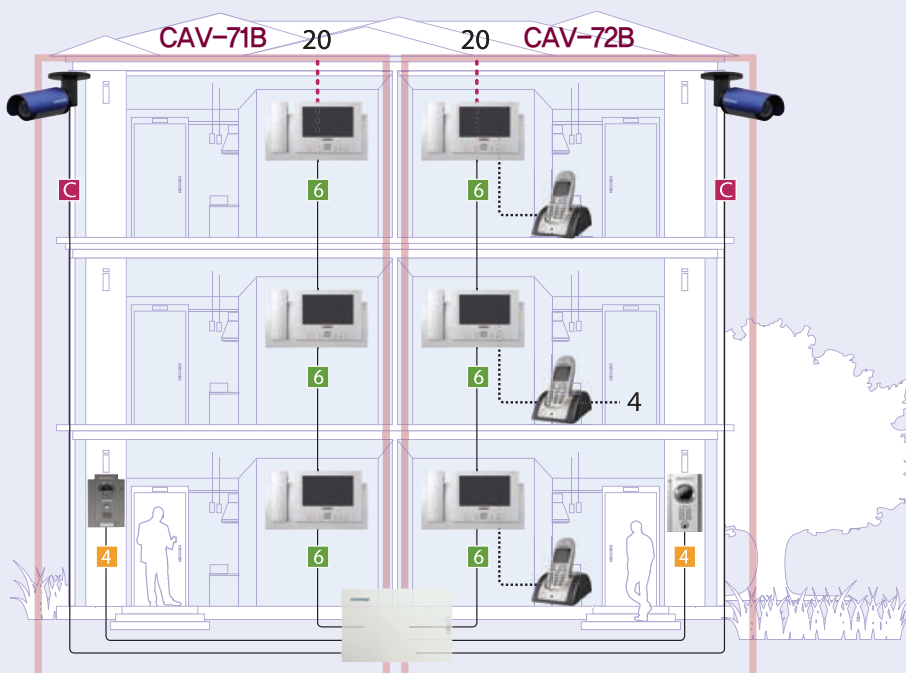
SMART VIEW (World first)

CAV-71B / 72B

- Room to room call & Pause (Expandable up to 20 monitors)
- Handset & hands-free • Door answering & monitoring
- Connectable up to 4 cameras • OSD interface
- Visitor image memory(128 cuts) • Security : Burglar
- CCTV surveillance camera • Dect phone up to 4(CAV-72B)

Power source	AC 100V~240V, 50/60Hz, 25W	
Mounted type	Wall surface Mounted type	
LCD size	7" wide color LCD	
Wiring	Camera to central unit : 4 wires	
	Central unit to CAV-72B : 6 wires	
	CAV-72B to CAV-71B : 6 wires	
Dimension	314 X 173 X 53(mm)	
Central Unit (CDS-4CM)		Dect phone

COMMAX
SmartHome & Security

FINE VIEW

IF Award winner, the world best seller. COMMAX is the delivering simply the best to you.
- Fine view Display
- 3.5", 4", 5", 7" monitor available

CDV-70PM

NEW · iF product design award 2011

- PAL, NTSC Convertable • LED Back Light • Hands free
- Talk with a visitor • Monitoring an entrance
- Interphone function (DP-4VHP) • Door lock release
- Up to 2 cameras, 2 CCTV cameras and 1 interphone
- Built-in Image Memory (Micro SD Card optional)

Power source	AC 100~240V, 50/ 60Hz
Mounted type	Wall surface mounted type
LCD size	7" wide color LCD
Image Saving	128 cuts & Video Clip
Wiring	Individual camera 4wires, CCTV camera 2wires, Interphone 4 wires
Dimension	243 X 168 X 35(mm)

CDV-70P

NEW · iF product design award 2011

- PAL, NTSC Convertable • LED Back Light
- Talk with a visitor • Monitoring an entrance • Hands free
- Interphone function (DP-4VHP) • Door lock release
- Up to 2 cameras, 2 monitors and 2 interphones

Power source	AC 100~240V, 50/ 60Hz
Mounted type	Wall surface mounted type
LCD size	7" wide color LCD
Wiring	4 wires
Dimension	243 X 168 X 35(mm)

CDV-40QM

NEW

Crystal Window
Video Door Phone

- PAL, NTSC Convertable • LED Back Light • Hands free
- Talk with a visitor • Monitoring an entrance
- Interphone function (DP-4VHP) • Door lock release
- Up to 2 cameras, 2 CCTV cameras and 1 interphone
- Built-in Image Memory (Micro SD Card optional)

Power source	AC 100~240V, 50/ 60Hz
Mounted type	Wall surface mounted type
LCD size	4" color LCD
Image Saving	128 cuts & Video Clip
Wiring	Individual camera 4wires, CCTV camera 2wires, Interphone 4 wires
Dimension	235 X 140 X 35(mm)

CDV-40Q

NEW

Crystal Window
Video Door Phone

- PAL, NTSC Convertable • LED Back Light
- Talk with a visitor • Monitoring an entrance • Hands free
- Interphone function (DP-4VHP) • Door lock release
- Up to 2 cameras, 2 monitors and 2 interphones

Power source	AC 100~240V, 50/ 60Hz
Mounted type	Wall surface mounted type
LCD size	4" color LCD
Wiring	4 wires
Dimension	235 X 140 X 35(mm)

CDV-40NM

NEW

Crystal Window
Video Door Phone

- PAL, NTSC Convertable • LED Back Light • Talk with a visitor
- Monitoring an entrance • Interphone function (DP-4VHP)
- Door lock release • Up to 2 cameras, 2 CCTV cameras and 1 interphone • Built-in Image Memory (Micro SD Card optional)

Power source	AC 100~240V, 50/ 60Hz
Mounted type	Wall surface mounted type
LCD size	4" color LCD
Image Saving	128 cuts & Video Clip
Wiring	Individual camera 4wires, CCTV camera 2wires, Interphone 4 wires
Dimension	249 X 122 X 38(mm)

CDV-40N

NEW

Crystal Window
Video Door Phone

- PAL, NTSC Convertable • LED Back Light
- Talk with a visitor • Monitoring an entrance
- Interphone function (DP-4VHP) • Door lock release
- Up to 2 cameras, 2 monitors and 2 interphones

Power source	AC 100~240V, 50/ 60Hz
Mounted type	Wall surface mounted type
LCD size	4" color LCD
Wiring	4 wires
Dimension	235 X 140 X 35(mm)

FINE VIEW

CDV-1020AE

iF product design award 2008

- PAL, NTSC Convertable • PIP(Picture in picture)
- Touch Screen • LED Back Light • Talk with a visitor
- Built in image memory 128 cuts • Monitoring an entrance
- Up to 2 CCTV cameras,2 cameras, 2 monitors and 2 interphones • GUI

Power source	AC 100~240V, 50/ 60Hz
Mounted type	Wall surface mounted type
LCD size	10,1" color LCD
Wiring	4 wires
Dimension	318 X 215 X 53(mm)

CDV-50N

- PAL, NTSC Convertable • LED Back Light • Talk with a visitor
- Crystal-clear video image quality • Monitoring an entrance
- Up to 2 cameras, 2 monitors and 2 interphones
- Interphone function(DP-4VHP) • Door lock release

Power source	AC 100~240V, 50/ 60Hz
Mounted type	Wall surface mounted type
LCD size	5" color LCD
Wiring	4 wires
Dimension	259 X 126 X 37(mm)

CDV-35HM

- PAL, NTSC Convertable • LED Back Light • Up to 2 cameras, 2 monitors and 2 interphones • Monitoring an entrance
- Talk with a visitor • Interphone function(DP-4VHP) • Hands free
- Door lock release • Visitor image memory(128 cuts) • Video clip

Power source	AC 100~240V, 50/ 60Hz
Mounted type	Wall surface mounted type
LCD size	3,5" color LCD
Wiring	4 wires
Dimension	133 X 209 X 31(mm)

CDV-71AM

- PAL, NTSC Convertable • PIP(Picture in picture) • GUI
- LED Back Light • Built in image memory 128 cut
- Up to 2 CCTV cameras, 2 cameras, 2 monitors and 2 interphones • Monitoring a entrance • Talk with a visitor
- Interphone function(DP-4VHP)

Power source	AC 100~240V, 50/ 60Hz
Mounted type	Wall surface mounted type
LCD size	7" wide color LCD
Wiring	4 wires
Dimension	243 X 168 X 35(mm)

CDV-70A

- PAL, NTSC Convertable • LED Back Light
- Up to 2 cameras, 2 monitors and 2 interphones
- Monitoring a entrance
- Talk with a visitor
- Interphone function(DP-4VHP)

Power source	AC 100~240V, 50/ 60Hz
Mounted type	Wall surface mounted type
LCD size	7" wide color LCD
Wiring	4 wires
Dimension	243 X 168 X 35(mm)

CDV-73BE

iF product design award 2008

- PAL, NTSC Convertable • LED Back Light
- Up to 2 cameras, 2 monitors and 2 interphones
- Monitoring a entrance
- Talk with a visitor

Power source	AC 100~240V, 50/ 60Hz
Mounted type	Wall surface mounted type
LCD size	7" wide color LCD
Wiring	4 wires
Dimension	314 X 173 X 53(mm)

CDV-51AM

- PAL, NTSC Convertable • LED Back Light • GUI • Talk with a visitor • Up to 2 cameras, 2 monitors and 2 interphones
- Monitoring an entrance • Interphone function(DP-4VHP)
- Door lock release • Built in image memory 128 cuts

Power source	AC 100~240V, 50/ 60Hz
Mounted type	Wall surface mounted type
LCD size	5" color LCD
Wiring	4 wires
Dimension	245 X 175 X 46(mm)

CDV-50A

- PAL, NTSC Convertable • LED Back Light
- Up to 2 cameras, 2 monitors and 2 interphones
- Monitoring an entrance • Talk with a visitor
- Interphone function(DP-4VHP) • Door lock release

Power source	AC 100~240V, 50/ 60Hz
Mounted type	Wall surface mounted type
LCD size	5" color LCD
Wiring	4 wires
Dimension	245 X 175 X 46(mm)

CAV-50T2

- PAL, NTSC Convertable • Telephone • Talk with a visitor
- Monitoring a visitor at Individual camera
- Guard station talk(CLS-10 only)
- Up to 2 cameras • DID function • Door lock release

Power source	AC 100~240V, 50/ 60Hz
Mounted type	Wall surface mounted type
LCD size	5" color LCD
Wiring	4 wires
Dimension	285 X 140 X 46(mm)

CDV-35H

- PAL, NTSC Convertable • LED Back Light
- Up to 2 cameras, 2 monitors and 2 interphones
- Monitoring an entrance • Talk with a visitor • Interphone function(DP-4VHP) • Door lock release • Hands free

Power source	AC 100~240V, 50/ 60Hz
Mounted type	Wall surface mounted type
LCD size	3.5" color LCD
Wiring	4 wires
Dimension	133 X 209 X 31(mm)

CDV-35N

- PAL, NTSC Convertable • LED Back Light
- Up to 2 cameras, 2 monitors and 2 interphones
- Monitoring a entrance • Talk with a visitor
- Interphone function(DP-4VHP) • Door lock release

Power source	AC 100~240V, 50/ 60Hz
Mounted type	Wall surface mounted type
LCD size	3.5" color LCD
Wiring	4 wires
Dimension	192 X 195 X 31(mm)

CDV-352HD

2 WIRES

Door Unit

DRC-20MC

- Easy installation with 2 wiring method in non-polar
- Connectable up to 2 monitors 2 cameras and 2 interphone
- Vivid color with LED back light
- Interphone extension available DP-4VHP

Power source	DC 24V, 1A (RF-2AS)
Mounted type	Wall surface mounted type
LCD size	3.5" wide color LCD
Wiring	2 wires
Dimension	133 X 209 X 31(mm)

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SmartHome & Security

DOORPHONE

Global steady seller satisfying customers all over the world.
• Aesthetic modern design • Easy to install
• Factory • Office • Hospital
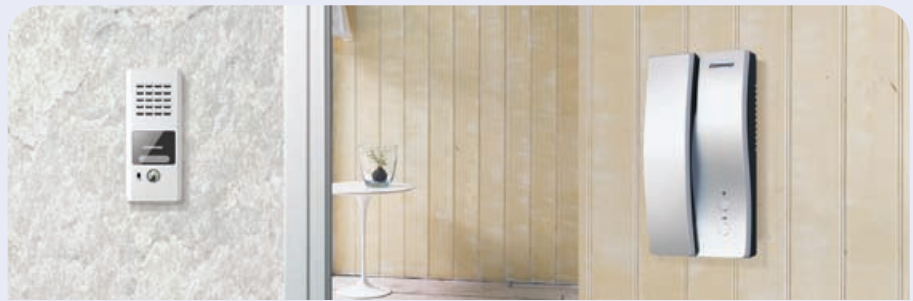
2012 New Product | Door Phone & Door Unit

DOORPHONE

DP-2SR

NEW

• Talk with a Visitor • Door lock Release
• Two door Release

Power source	AC 100V, 110V, 220V, 50/60Hz
Mounted type	Wall surface mounted type
Wiring	2 wires
Dimension	94 X 185 X 38 (mm)

Recommended Products (Door Unit)

NEW NEW

DR-2GN DR-2PN

DR-2K DR-201A DR-20S

DP-S01 (M : S)

NEW

• Room to Room Talk • Door lock Release
• Talk with a Visitor • Master, Slave intercom

Power source	AC 100V, 110V, 220V, 50/60Hz
Mounted type	Wall surface mounted type
Wiring	5 wires
Dimension	94 X 185 X 38 (mm)

Recommended Products (Door Unit)

NEW NEW

DR-2GN DR-2PN

DR-2K DR-201A DR-20S

DP-2SN

NEW

• DC type • Talk with a Visitor
• No additional adaptor for door release
• Door lock Release
• Extention terminal board

Power source	DC 12V
Mounted type	Wall surface mounted type
Wiring	2 wires
Dimension	94 X 185 X 38 (mm)

Recommended Products (Door Unit)

NEW

DR-2GNR

DR-2K DR-201A DR-201D

DP-MS

NEW

• Talk with a Visitor
• Up to 40 house holds
• Door lock Release 2 ADP in
  one household

Power source	DC 12V
Mounted type	Wall surface mounted type
Wiring	4 wires
Dimension	94 X 185 X 38 (mm)

Recommended Products (Door Unit)

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

DOORPHONE

DP-2S

• Door lock Release • Talk with a Visitor
• 5 colors (White, Pear, Gold, Silver, Wine)

Power source	AC 100V, 110V, 220V, 50/60Hz
Mounted type	Wall surface mounted type
Wiring	2 wires
Dimension	94 X 185 X 38 (mm)

Recommended Products (Door Unit)

NEW NEW

DR-2GN DR-2PN DR-2K DR-201A DR-20S

DP-SS

• Talk with a Visitor • Door lock Release
• Up to 40 house holds

Power source	DC 12V
Mounted type	Wall surface mounted type
Wiring	4 wires
Dimension	72 X 215 X 38(mm)

Recommended Products (Door Unit)

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

INTERPHONE

Global steady seller satisfying customers all over the world.
- Aesthetic modern design • Easy to install
- Factory • Office • Hospital

2012 New Product | Interphone

TP-12RM

- Supporting up to 12 pcs of TP-S (Sub-unit)
- Convenient caller identification by adopting red LED
- Covering total system just through one power installation (RF-24AS, 2F-2AS or RF-2A)
- Calling to each station • LED indication

Power source	DC 24V, 500mA
Mounted type	Wall surface mounted type
Wiring	Individual 2 wires
Dimension	114 X 216 X 33(mm)
Distance	1Km(0.65Φ)

System Diagram

TP-nRC

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

Power source	DC 12V, 200mA (1 unit)
Mounted type	Wall surface mounted type
Wiring	Common 4 wires
Dimension	114 X 216 X 33(mm)
Distance	500m(0.65Φ)

System Diagram

TP-90RN

- 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

Power source	DC 24V, 120mA (1 unit)
Mounted type	Wall surface mounted type
Wiring	Common 10 wires
Dimension	114 X 216 X 33(mm)
Distance	1Km(0.65Φ)

System Diagram

TP-nKP

- 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 • Broadcasting

Power source	DC 24V, 250mA
Mounted type	Wall surface mounted type
Wiring	Common 4 wires + n(number of unit)
Dimension	98 X 215 X 38(mm)
Distance	100m(0.65Φ)

TP-1K

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

Power source	DC 6V, 300mA
Mounted type	Wall surface mounted type
Wiring	2 wires
Dimension	98 X 215 X 38(mm)
Distance	100m(0.65Φ)

COMMAX
SmartHome & Security
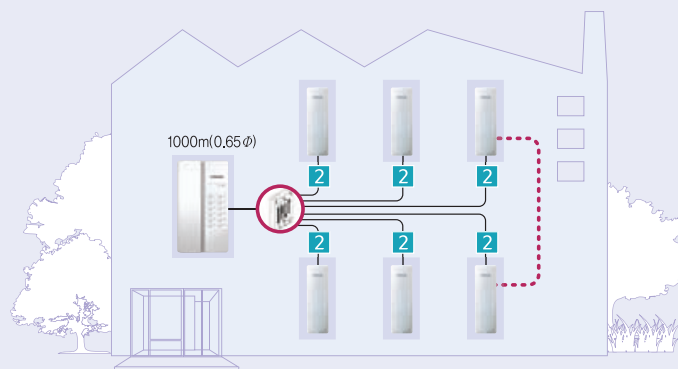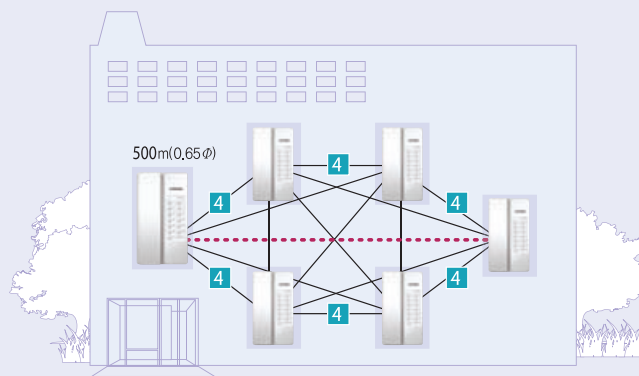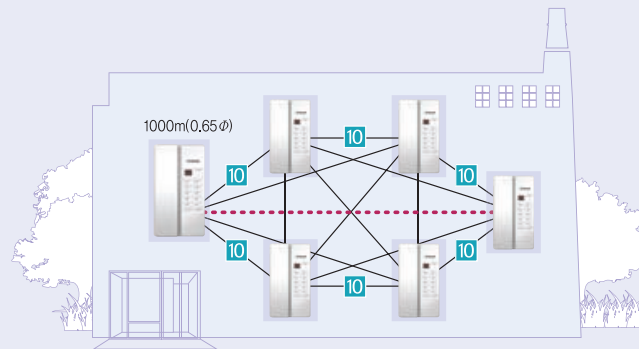
INTERCOM &
WIRELESS INTERCOM

• Factory • Office • Hospital

INTERCOM (Plug in Play)

CM-810 / 800S

CM-810

CM-800S

- Calling ID display on FND display
  Adjustable sound level
- Expendable up to 10 pcs
- Adjustable sound level depending on its
  environments
- Enabling long communication through PTT

Power source	DC 12V 250mA (CM-810)
Wiring	2 wires +n
Dimension	183 X 169 X 41(mm)

System Diagram
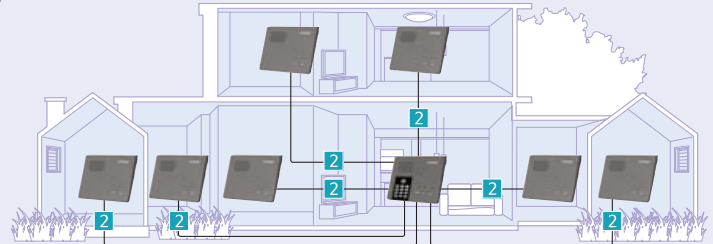
CM-810M

- Calling ID display on FND display
  Adjustable sound level
- Expendable up to 10 pcs
- Adjustable sound level depending on its
  environments
- Enabling long communication through PTT

Power source	DC 12V 250mA (1 unit)
Wiring	3 wires + n
Dimension	183 X 169 X 41(mm)
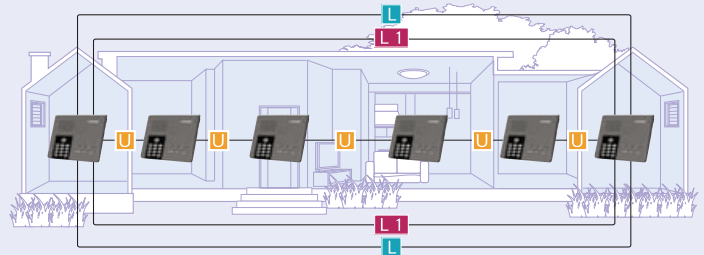
System Diagram

CM-801 / 800
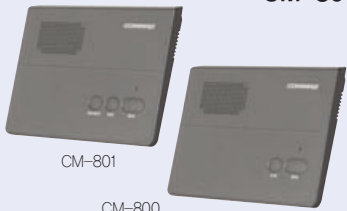
CM-801

CM-800

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

Power source	DC 12V 250mA (CM-801)
Wiring	2 wires +n
Dimension	183 X 169 X 41(mm)

System Diagram
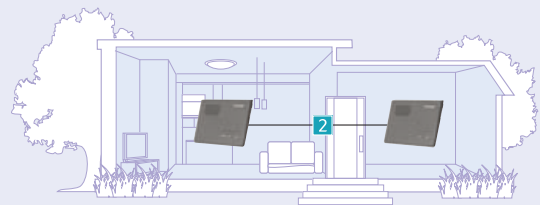
POWER ITERCOM

PI-30LN / 20LN / 10LN

- Max 30 / Group (5 circuit 1 group) or
  broadcasting
- Talk function
- Volume or call sound level adjustment
- Lamp-off upon receiving call

Power source	AC 100 ~ 240V, 50/60Hz
Wiring	Individual 2 wires
Dimension	313 X 228 X 98(mm)

CENTRAL SWITCH BOARD

CLS-10

Unit

TP-K

- Guard call and Talk
- Connectable with CAV-40Q,
  CAV-35N, CAV-70P etc.

Power source	AC 100V, 110V, 220V, 50/60Hz
Wiring	2 wires (Star)
Dimension	290 X 265 X 76(mm)

WIRELESS ITERCOM

WI-2B

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

Power source	AC 100 / 110 / 220 / 230V,50/60Hz
Wiring	Wireless
Dimension	WI-2B : 144 X 142 X 47(mm)

WIRELESS ITERCOM

WI-3SN

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

Power source	AC 100 / 110 / 220 / 230V, 50/60Hz
Wiring	Wireless
Dimension	WI-3SN : 186 X 133 X 44(mm)

NURSE CALL SYSTEM

• Hospital

System Diagram

JNS-1000   JNS -101/102/1050M (S)

• Nurse Call • Emergency call
• Paging • Talk to Nurse Station

• Nurse Call • Emergency call
• Paging • Talk to Nurse Station
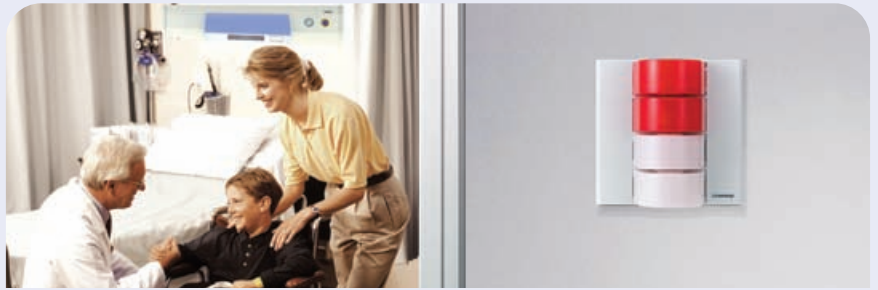
	JNS-1000	JNS -101/102/1050M (S)
Power source	from JNS-PSM	from JNS-PSM
Wiring	4 wires	4 wires
Dimension	530 X 117 X 62(mm)	195 X 117 X 62(mm)
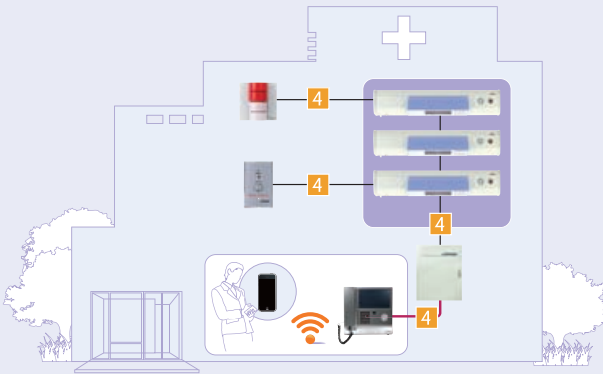
JNS-9900

• Nurse Call • Emergency call
• Paging • Reading light

Power source	from JNS-PSM
Wiring	4 wires
Dimension	1350 X 261 X 129(mm)

JNS-6KO   FS-600   AS-100

• JNS-6KO Call System in the Operation room/Flush Mount Type
• FS-600 Operation Room Installation / Foot Switch/Flush Mount Type
• AS-100 Operation Room Installation / Arm Switch/Flush Mount Type

	DR-6KO	FS-600	AS-100
Wiring	9 wires	6 wires	3 wires
Dimension	370 X 117 X 45(mm)	573 X 117 X 16[66](mm)	195 X 117 X 16[66](mm)

JNS-3000

• Nurse Call • Emergency call
• Paging

Power source	from JNS-PSM
Wiring	4 wires
Dimension	880 X 198 X 59(mm)

JNS-36   CC-200   ES-420   PS-100

• JNS-36 Handset / Hands-free/Emergency Call Check/Call Signal Indication(Sickroom)/Pasing
• CC-200 Emergency Call Cord/Fixing clip on the bed
• ES-420 Emergency Switch/Waterproof
• PS-100 Pillow Specker/Remote control of ON/OFF (2 Lamps)

	JNS-36	CC-200	ES-420	PS-100
Power source	AC 110V~220V, 50/60Hz	•	•	•
Wiring	3 wires (star)	2 wires	2 wires	4 wires
Dimension	360 X 232 X 105(mm)	•	120 X 120 X 10(mm)	55 X 171 X 20(mm)

JNS-70MN   JNS-PSM

• JNS-70MN Main receiver console controls the nurse-call system
• JNS-PSM

	JNS-70MN	JNS-PSM
Power source	from JNS-PSM	AC 110V~220V, 50/60Hz
Wiring	4 wires	4 wires
Dimension	240 X 270 X 13[40](mm)	•

CL-302C   ES-400   PB-500

• CL-302C Corridor Light/Colors selectable(2 Color)
• ES-400 Emergency Switch(restroom)/Push Button Type/Waterproof/Flush Mount Type
• PB-500 Presence Switch/Flush Mount Type

	CL -302C	ES -400	PB -500
Wiring	3 wires	2 wires	2 wires
Dimension	94 X 94 X 2(mm)	71 X 116 X 9(mm)	55 X 171 X 20(mm)

COMMAX
SmartHome & Security

CAMERA

- In door & Out door
- Monitoring and talk with a visitor

| Up | Down | Standard | Horizontal Angle of Camera |

Up: 46.7°, 6.7°, 180 cm, 145 cm, 50 cm

Down: 6.7°, 46.7°, 160 cm, 145 cm, 50 cm

Standard: 12.5° (Up), 12.5° (Down), 170 cm, 145 cm, 50 cm

Horizontal Angle of Camera: 68°, 50 cm, 46.5 cm
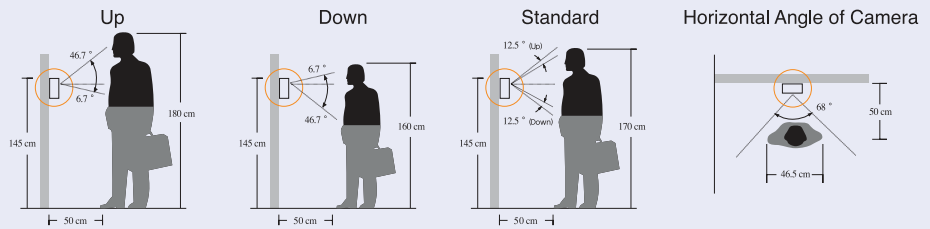
LOBBY PHONE

	Image Sensor	Wiring Type	Min.Illumination	Dimension(mm)	Installation & Function
DRC-700S NEW / GOOD DESIGN / Crystal Window Video Door Phone / Rain Shield	Color CCD	8 wires(UTP) All-Lan Flush Mounted type • Wall surface mounted type	0 Lux (300mm from Camera)	240 x 270 x 13[40](mm) • 236 x 256 x 80(mm) (Flush Box Dimension)	Out door Monitoring and talk with a visitor • Door lock release • RFID card • Calling and talking with household & Guard station
DRC-700LC / RF, 700LGC NEW / GOOD DESIGN / Crystal Window Video Door Phone / Rain Shield	Color CCD	12 wires (Home Automation)/ 8 wires (Gate View) Flush Mounted type • Wall surface mounted type	0 Lux (300mm from Camera)	240 x 270 x 13[40](mm) • 236 x 256 x 80(mm) (Flush Box Dimension)	Out door Monitoring and talk with a visitor • Door lock release • Each pin setting per a house • Calling and talking with household & Guard station • RF card (Option)
DRC-900LVC (Vandal Proof) NEW / Rain Shield	Color C-MOS	8 wires (Gate View) Flush Mounted type • Wall surface mounted type	0 Lux (300mm from Camera)	130 x 240 x 13[40](mm)	Out door • Separate wires for Guard connection • Alluminum Diecasting • Monitoring and talk with a visitor • Door lock release • Calling and talking with household & Guard station • RF card (Option)
DRC-GAC	Color CCD	UTP(CAT. 5e) • Flush Mounted type	0 Lux (300mm from Camera)	123 X 314 X 50(mm) • 236 x 400 x 100(mm) (Flush Box Dimension)	Out door Monitoring and talk with a visitor • Max. 4 Lobby Panels connectable • House call by household number • Door lock release • Each pin setting per a house • Calling and talking with household & Guard station • RF card (Option)
DRC-481LC / RF	Color CCD	12 wires (Home Automation) 8 wires (Gate View) Flush Mounted type	0 Lux (300mm from Camera)	230 x 260 x 9[74](mm) • 236 x 400 x 100(mm) (Flush Box Dimension)	Out door Monitoring and talk with a visitor • Door lock release • Each pin setting per a house • Calling and talking with household & Guard station • RF card (Option)

	Image Sensor	Wiring Type	Min.Illumination	Dimension(mm)	Installation & Function
DRC-4FC	Color C-MOS	50m (Φ0.65)	0 Lux (300mm from Camera)	94 x 136 x 34(mm)	**In door & Out door** • Monitoring and talk with a visitor • Door lock release
DRC-4QC	Color C-MOS	50m (Φ0.65)	0 Lux (300mm from Camera)	94 x 136 x 34(mm)	**In door** • Monitoring and talk with a visitor • Door lock release
DRC-4CGN	Color C-MOS	50m (Φ0.65)	0 Lux (300mm from Camera)	87 x 120 x 18(mm)	**In door & Out door** • Monitoring and talk with a visitor • Door lock release
DRC-4CPN	Color C-MOS	50m (Φ0.65)	0 Lux (300mm from Camera)	50 x 118 x 16(mm)	**In door & Out door** • Monitoring and talk with a visitor • Door lock release
DRC-4MC	Color C-MOS	50m (Φ0.65)	0 Lux (300mm from Camera)	96 x 155 x 32.5(mm)	**In door & Out door** • LED light • Monitoring and talk with a visitor • Door lock release
DRC-40CIC	Color C-MOS	50m (Φ0.65)	0 Lux (300mm from Camera)	92 x 172 x 16 [48](mm)	**In door** • LED light • Monitoring and talk with a visitor
DRC-4CH	Color CCD	50m (Φ0.65)	0 Lux (300mm from Camera)	116 x 169 x 42(mm)	**In door & Out door** • Monitoring and talk with a visitor • Door lock release
DRC-40CK	Color C-MOS	50m (Φ0.65)	0 Lux (300mm from Camera)	93 x 135 x 30(mm)	**In door & Out door** • Monitoring and talk with a visitor • Door lock release
DRC-40CS	Color CCD	50m (Φ0.65)	0 Lux (300mm from Camera)	94 x 136 x 34(mm)	**In door & Out door** • Monitoring and talk with a visitor • Door lock release
DRC-4DC	Color C-MOS	50m (Φ0.65)	0 Lux (300mm from Camera)	65 x 162 x 22.5(mm)	**In door & Out door** • Monitoring and talk with a visitor • Door lock release
DRC-nAC2 (n: 2,4,6,8,10,12,14,16)	Color CCD	50m (Φ0.65)	0 Lux (300mm from Camera)	123 x 316 x 16[48](mm)	**Out door** • Monitoring and talk with a visitor • Door lock release

COMMAX
SmartHome & Security

SMART SECURITY SYSTEM

COMMAX security working around the clock for your peace of mind.

- IR BULLET CAMERA • BOX CAMERA • SPEED DOME CAMERA
- DOME CAMERA • STAND ALONE DVR • PC BASE DVR
- LCD MONITOR • ACCESSORY • SENSOR

IR BULLET CAMERA

CIR-700M50 / CIR-700M30

700TVL

Image sensor	1/3" Sony 960H Ex-view HAD II CCD
Effective pixels	NTSC:976(H)x494(V), PAL:976(H)x582(V)
H. Resolution	Effio DSP 700TV Lines
Min. illumination	0 Lux
Lens	2.8–12mm Varifocal DC Auto Iris lens
Back light compensation	Auto
Day/Night conversion	Auto
White balance	ATW/ PUSH/Push Lock/Manual (OSD)
LED	Premium Hyper LED
Power source	12VDC, 12VDC/24VAC
Power consumption	12VDC/120mA(IR Off),12VDC/340mA(IR On)
Operating Temp./Humidity	−10℃ ~ +50℃ / within 90% RH

CIR-200S55 / CIR-100S55

Image sensor	1/3" Sony Super HAD II CCD
Effective pixels	NTSC: 768(H)x494(V) PAL: 510(H)x492(V)
H. Resolution	540TV Lines / 420TV Lines
Min. illumination	0.1 Lux at F1.2 / 0.3 Lux at F1.2
Lens	6mm Fixed Lens
Back light compensation	Auto
Day/Night conversion	Auto
White balance	ATW
IR LED Quantity	55EA
Power source	DC 12V(±10%)
Power consumption	IR OFF : 120mA(MAX) / IR ON : 550mA
Operating Temp./Humidity	−10℃ ~ +50℃ / 30% ~ 80% RH

CIR-200SV45 / CIR-100SV45

Image sensor	1/3" Sony Super HAD II CCD
Effective pixels	NTSC: 768(H)x494(V) PAL: 510(H)x492(V)
H. Resolution	540TV Lines / 420TV Lines
Min. illumination	0.1 Lux at F1.2 / 0.3 Lux at F1.2
Lens	4~9mm DC Auto Iris Varifocal Lens
Back light compensation	Auto
Day/Night conversion	Auto
White balance	ATW
IR LED Quantity	45EA
Power source	DC 12V(±10%)
Power consumption	IR OFF : 120mA(MAX) / IR ON : 450mA
Operating Temp./Humidity	−10℃ ~ +50℃ / 30% ~ 80% RH

CIR-200S24 / CIR-100S24

Image sensor	1/3" Sony Super HAD II CCD
Effective pixels	NTSC: 768(H)x494(V) PAL: 510(H)x492(V)
H. Resolution	540TV Lines / 420TV Lines
Min. illumination	0.1 Lux at F1.2 / 0.3 Lux at F1.2
Lens	4.3mm Fixed Lens
Back light compensation	Auto
Day/Night conversion	Auto
White balance	ATW
IR LED Quantity	24EA
Power source	DC 12V(±10%)
Power consumption	IR OFF : 120mA(MAX) / IR ON : 350mA
Operating Temp./Humidity	−10℃ ~ +50℃ / 30% ~ 80% RH

CIR-417NH

Image sensor	1/3" Sony Super HAD II CCD
Effective pixels	NTSC: 768(H)x494(V), PAL: 752(H)x582(V)
H. Resolution	560TV Lines
Min. illumination	0 Lux
Lens	4~9mm Varifocal DC Iris Lens
Back light compensation	On / Off (with DIP SW)
Day/Night conversion	Auto
White balance	ATW
IR LED Quantity	36EA
Power source	DC 12V(±10%)
Power consumption	IR OFF : 120mA(MAX) / IR ON : 350mA
Operating Temp./Humidity	−10℃ ~ +50℃ / within 90% RH

CIR-416NH

Image sensor	1/3" Sony Super HAD II CCD
Effective pixels	NTSC: 768(H)x494(V)
H. Resolution	500(Day)TV Lines / 560(Night)TV Lines
Min. illumination	0 Lux
Lens	4~9mm Varifocal Manual Iris Lens
Back light compensation	(Standard)
Day/Night conversion	Auto
White balance	ATW
IR LED Quantity	20EA
Power source	DC 12V(±10%)
Power consumption	IR OFF : 120mA(MAX) / IR ON : 340mA
Operating Temp./Humidity	−10℃~ +50℃ / 90% RH

CIR-27AT24

Image sensor	1/3" Color CCD
Effective pixels	NTSC: 510(H)x492(V)
H. Resolution	380TV Lines
Min. illumination	0 Lux (LED on)
Lens	6mm Board Lens
Back light compensation	Auto
Day/Night conversion	Auto
White balance	2500°K~9000°K
IR LED Quantity	24EA
Power source	DC 12V(±10%)
Power consumption	IR OFF : 120mA(MAX) / IR ON : 360mA
Operating Temp./Humidity	−10℃~ +50℃ / 30% ~ 80% RH

BOX CAMERA

CBC-700

700TVL

Image sensor	1/3" Sony 960H Ex-view HAD CCD II
Effective pixels	NTSC:976(H)x494(V), PAL: 976(H)x582(V)
H. Resolution	700TV Lines
Min. illumination	0.1Lux (Color) / 0.01Lux (BW)
Back light compensation	BLC/ HLC/ Off
Day/Night conversion	Auto
White balance	1800°K~10500°K Auto
Power source	DC 12V(±10%)
Power Assumtion	150mA/12VDC
Operating Temp./Humidity	−10℃ ~ +50℃ / within 90% RH

SPEED DOME CAMERA

CSP-700X36

Image Sensor	1/4" SONY Super HAD II CCD (Double Scan)
Effectvie Pixels	NTSC:1028(H)x508(V)PAL:1028(H)x596(V)
Horizontal Resolution	700TV lines
Zoom	Optical 36x, Digital 32x
Min.Illumination	Color DSS Off: 0,5lux, BW:0,2 lux
Ingress Protection	IP66 (Outdoor Housing)
Day&Night Screen Switch	Auto / Sens-in / Ext / Day / Night
White Balance	ATW/One-Push/Indoor/Outdoor/Manual/Auto
Power Supply	21~28VAC 60Hz / 50Hz
Pan	360° Continuous Pan/0.1° to 90°/sec.
Pan Preset Speed	380°/sec, ± 0,1° Accuracy
Tilt / Tilt Preset Speed	0,1° to 90°/sec,150°/sec,± 0,01° Accuracy

700TVL

CSP-700X36W

Image Sensor	1/4" SONY Super HAD II CCD (Double Scan)
Effectvie Pixels	NTSC:1028(H)x508(V)PAL:1028(H)x596(V)
Horizontal Resolution	700TV lines (Color)
Zoom	Optical 36x, Digital 32x
Min.Illumination	Color : 0,5lux, BW : 0,2 lux
Ingress Protection	IP66 (Outdoor Housing)
Day&Night Screen Switch	Auto / Sens-in / Ext / Day / Night
White Balance	ATW/One-Push/Indoor/Outdoor/Manual/Auto
Power Supply	21~28VAC 60Hz / 50Hz
Pan	360° Continuous Pan/0.1° to 90°/sec.
Pan Preset Speed	380°/sec, ± 0,1° Accuracy
Tilt / Tilt Preset Speed	0,1° to 90°/sec,150°/sec,± 0,01° Accuracy

700TVL

DOME CAMERA

CVD-700M20

Image Sensor	1/3" Sony 960H Ex-view HAD CCD II
Effectvie Pixels	NTSC:976(H)x494(V), PAL: 976(H)x582(V)
Horizontal Resolution	700TV Lines
Min.Illumination	0 Lux
Lens	3,3~12mm Varifocal DC Iris Lens
Revising backlight	Auto
Day&Night Screen Switch	Auto
White Balance	ATW/PUSH/Push Lock/Manual (OSD)
Power Supply	12VDC/24VAC
Operating Temp./Humidity	-10°C ~ +50°C / within 90% RH

700TVL

CID-700S

Image Sensor	1/3" Sony 960H Ex-view HAD CCD II
Effectvie Pixels	NTSC:976(H)x494(V), PAL: 976(H)x582(V)
Horizontal Resolution	700TV Lines
Min.Illumination	0 Lux
Lens	3,3~12mm Varifocal DC Auto Iris lens
Revising backlight	Auto
Day&Night Screen Switch	Auto
White Balance	ATW/ PUSH/Push Lock/Manual (OSD)
Power Supply	12VDC, 12VDC/24VAC
Operating Temp./Humidity	-10°C ~ +50°C / within 90% RH

700TVL

CIR-4108NH

Image Sensor	1/3" Sony 960H Double Scan CCD
Effectvie Pixels	NTSC:976(H)x494(V), PAL: 976(H)x582(V)
Horizontal Resolution	700TV Lines
Min.Illumination	0 Lux
Lens	3,3~12mm Varifocal DC Iris Lens
Revising backlight	On / Off by OSD
Day&Night Screen Switch	Auto
White Balance	ATW/Push Lock Selectable by OSD
IR LED Quantity	21EA
Power Supply	DC 12V / AC 24V
Power Consumption	260mA/12VDC, 120mA/ 24VAC
Operating Temp./Humidity	-10°C ~ +50°C / within 90% RH

CIR-200SD

Image Sensor	1/3" Sony Super HAD II CCD
Effectvie Pixels	NTSC: 768(H) x 494(V)
Horizontal Resolution	540TV Lines
Min.Illumination	0,1 Lux at F1,2
Lens	4,3mm Fixed Lens
Revising backlight	Auto
Day&Night Screen Switch	Auto
White Balance	ATW
IR LED quantity	24EA
Power Supply	DC 12V(±10%)
Power Consumption	IR OFF : 120mA(MAX) / IR ON : 350mA
Operating Temp./Humidity	-10°C~ +50°C / 30% ~ 80% RH

CIR-100SD

Image Sensor	1/3" Sony Super HAD CCD
Effectvie Pixels	NTSC: 510(H) x 492(V)
Horizontal Resolution	420TV Lines
Min.Illumination	0,3 Lux at F1,2
Lens	4,3mm Fixed Lens
Revising backlight	Auto
Day&Night Screen Switch	Auto
White Balance	ATW
IR LED quantity	24EA
Power Supply	DC 12V(±10%)
Power Consumption	IR OFF : 120mA(MAX) / IR ON : 350mA
Operating Temp./Humidity	-10°C ~ +50°C / 30% ~ 80% RH

CID-200S

Image Sensor	1/3" Sony Super HAD II CCD
Effectvie Pixels	NTSC: 768(H) x 494(V)
Horizontal Resolution	540TV Lines
Min.Illumination	0,1 Lux at F1,2
Lens	3,6mm Fixed Lens
Revising backlight	Auto
Day&Night Screen Switch	Auto
White Balance	ATW
Power Supply	DC 12V(±10%)
Power Consumption	120mA(MAX)
Operating Temp./Humidity	-10°C ~ +50°C / 30% ~ 80% RH

CID-100S

Image Sensor	1/3" Sony Super HAD CCD
Effectvie Pixels	NTSC: 510(H) x 492(V)
Horizontal Resolution	380TV Lines
Min.Illumination	0,3 Lux at F1,2
Lens	3,6mm Fixed Lens
Revising backlight	Auto
Day&Night Screen Switch	Auto
White Balance	ATW
Power Supply	DC 12V(±10%)
Power Consumption	120mA (MAX)
Operating Temp./Humidity	-10°C ~ +50°C / 30% ~ 80% RH

CDC-27AT

Image Sensor	CCD
Effectvie Pixels	NTSC: 768(H) x 494(V)
Horizontal Resolution	380TV Lines
Min.Illumination	0,3 Lux at F1,2
Lens	3,6mm Fixed Lens
Revising backlight	Auto
White Balance	ATW
Power Supply	DC 12V(±10%)
Power Consumption	IR OFF : 120mA(MAX) / IR ON : 350mA
Operating Temp./Humidity	-10°C ~ +50°C / 30% ~ 80% RH

STAND ALONE DVR

CSD-40HD

D1

Video	Input	4 BNC
	Output	1 VGA & 1 BNC (Dual Display)
Audio	Input	4 RCA (Line In)
	Output	1 RCA (Line Out)
Device	Sensor input	4 TTL
	Alarm output	2 TTL
Recording	Compression	H.264 Codec
	Speed/Resolution	120fps@CIF(NTSC)
		60fps@Half D1(NTSC)
		30fps@D1(NTSC)
	Recording Mode	Time, Event, Time & Event, Panic
Saving		2 × SATA HDD
Backup		External HDD(USB), External USB Memory
Control		Front Panel Button, USB Mouse,
		IR Remote Controller, Joystick Controller
Power		DC 12V, 3.33A (40W)

CSD-80HD

D1

Video	Input	8 BNC
	Output	1 VGA & 1 BNC (Dual Display)
Audio	Input	8 RCA (Line In)
	Output	1 RCA (Line Out)
Device	Sensor input	4 TTL
	Alarm output	2 TTL
Recording	Compression	H.264 Codec
	Speed/Resolution	240fps@CIF(NTSC)
		120fps@Half D1(NTSC)
		60fps@D1(NTSC)
	Recording Mode	Time, Event, Time & Event, Panic
Saving		2 × SATA HDD
Backup		External HDD(USB), External USB Memory
Control		Front Panel Button, USB Mouse,
		IR Remote Controller, Joystick Controller
Power		DC 12V, 6.67A (80W)

CSD-160HD

D1

Video	Input	16 BNC
	Output	1 VGA & 1 BNC (Dual Display)
Audio	Input	8 RCA (Line In)
	Output	1 RCA (Line Out)
Device	Sensor input	4 TTL
	Alarm output	2 TTL
Recording	Compression	H.264 Codec
	Speed/Resolution	480fps@CIF(NTSC)
		240fps@Half D1(NTSC)
		120fps@D1(NTSC)
	Recording Mode	Time, Event, Time & Event, Panic
Saving		2 × SATA HDD
Backup		External HDD(USB), External USB Memory
Control		Front Panel Button, USB Mouse,
		IR Remote Controller, Joystick Controller
Power		DC 12V, 6.67A (80W)

CSD-40HN

Video	Input	4 BNC
	Output	1 VGA & 1 BNC Main
Audio	Input	1 RCA (Line In)
	Output	1 RCA (Line Out)
Device	Sensor input	4 TTL
	Alarm output	2 TTL
Recording	Compression	H.264 Codec
	Speed/Resolution	120fps@CIF(NTSC)
		60fps@Half D1(NTSC)
		30fps@D1(NTSC)
	Recording Mode	Time-lapse, Event, Time & Event
Saving		1 × SATA HDD
Backup		External USB Memory
Control		Front Panel Button, USB Mouse,
		IR Remote Controller, Joystick Controller
Power		DC 12V, 3.33A (40W)

CSD-80HN

Video	Input	8 BNC
	Output	1 VGA & 1 BNC Main, 1 Spot Output
Audio	Input	4 RCA (Line In)
	Output	1 RCA (Line Out)
Device	Sensor input	8 TTL
	Alarm output	2 Relay + 2 TTL
Recording	Compression	H.264 Codec
	Speed/Resolution	120fps@CIF(NTSC) 60fps@Half D1(NTSC)
		30fps@D1(NTSC)
	Recording Mode	Time-lapse, Event, Time & Event, Emergency(Panic)
Saving		3 × SATA HDD & 1 × SATA ODD
		(or max. 4 SATA HDD without ODD)
Backup		CD&DVD-RW,
		External HDD(USB), External USB Memory
Control		Front Panel Button, USB Mouse,
		IR Remote Controller, Joystick Controller
Power		DC 12V, 6.67A (80W)

CSD-160HN

Video	Input	16 BNC
	Output	1 VGA & 1 BNC Main, 1 Spot Output
Audio	Input	4 RCA (Line In)
	Output	1 RCA (Line Out)
Device	Sensor input	16 TTL
	Alarm output	2 Relay + 2 TTL
Recording	Compression	H.264 Codec
	Speed/Resolution	240fps@CIF(NTSC) 120fps@Half D1(NTSC)
		60fps@D1(NTSC)
	Recording Mode	Time-lapse, Event, Time & Event, Emergency (Panic)
Saving		3 × SATA HDD & 1 × SATA ODD
		(or max. 4 SATA HDD without ODD)
Backup		CD & DVD-RW,
		External HDD(USB), External USB Memory,
Control		Front Panel Button, USB Mouse,
		IR Remote Controller, Joystick Controller
Power		DC 12V, 6.67A (80W)

PC BASE DVR

CVR-4120W

Video input		16CH (BNC)
Video output		PC Monitor (VGA)-1Ch, TV Out(BNC)-1Ch
Compression		H.264
Rec. speed	FPS	120 Frame/Sec
	Speed	720 × 480, 720 × 240, 360 × 240
Live speed	Resolution	480 Frame/Sec
Sensor in/output	Speed	8 / 5
Audio in/output		16 / 1 (RCA)
Network		WEB, Client, Secuman (CMS), PDA,
	Program	Smart Phone (Android 2.2)
Dimension		437(W) × 174(H) × 455(D)mm

CVR-4120W(U)

Video input		16CH (BNC)
Video output		PC Monitor (VGA)-1Ch, TV Out (BNC)-1Ch
Compression		H.264
Rec. speed	FPS	120 Frame/Sec
	Speed	720 × 480, 720 × 240, 360 × 240
Live speed	Resolution	480 Frame/Sec
Sensor in/output	Speed	8 / 5
Audio in/output		16 / 1 (RCA)
Network		WEB, Client, Secuman (CMS), PDA,
	Program	Smart Phone (Android 2.2)
Dimension		437(W) × 174(H) × 455(D)mm

CVR-4480W

Video input		6CH (BNC), 4CH UTP
Video output		PC Monitor (VGA)-1Ch, TV Out (BNC)-1Ch
Compression		H.264
Rec. speed	FPS	480 Frame/Sec
	Speed	720 × 480, 720 × 240, 360 × 240
Live speed	Resolution	480 Frame/Sec
Sensor in/output	Speed	8 / 5
Audio in/output		16 / 1 (RCA)
Network		WEB, Client, Secuman (CMS), PDA,
	Program	Smart Phone (Android 2.2)
Dimension		437(W) × 174(H) × 455(D)mm

LCD MONITOR

CVR-4480W(U)

Video input		16CH (BNC), 4CH UTP
Video output		PC Monitor (VGA)-1Ch, TV Out (BNC)-1Ch
Compression		H.264
Rec. speed	FPS	480 Frame/Sec
	Speed	720 × 480, 720 × 240, 360 × 240
Live speed	Resolution	480 Frame/Sec
Sensor in/output	Speed	8 / 5
Audio in/output		16 / 1 (RCA)
Network		WEB, Client, Secuman (CMS), PDA,
	Program	Smart Phone (Android 2.2)
Dimension		437(W) × 174(H) × 455(D)mm

CVR-4120W(U)

Video input		32CH (BNC)
Video output		PC Monitor (VGA)-1Ch, TV Out (BNC)-1Ch
Compression		H.264
Rec. speed	FPS	480 Frame/Sec
	Speed	720 × 480, 720 × 240, 360 × 240
Live speed	Resolution	960 Frame/Sec
Sensor in/output	Speed	8 / 5
Audio in/output		16 / 1 (RCA)
Network		WEB, Client, Secuman (CMS),
	Program	PDA, Smart Phone (Android 2.2)
Dimension		437(W) × 174(H) × 455(D)mm

CLM-190W

19" TFT LCD Monitor / Clear image quality
Contrast range 1,000 : 1 / Response speed 5ms

ACCESSORY

HOUSING

COH-200 / COH-200FH ｜ CIH-100

Application	COH-200 (Outdoor) ｜ COH-200FH	CIH-100 (Indoor)
	(Fan&Heater Outdoor)	
Material	Alluminum(Front & Back side ABS)	Alluminum
Color	Ivory ｜ Ivory	Ivory
Dimension	146(W) × 102(H) × 422(D)mm	99(W) × 83(H) × 323(D)mm
Weight	1.3Kg ｜ 1.5Kg	780g

BRACKET

MODEL	CB-S2	CB-S3	CB-S4	CB-J1
Material	Alluminum	Alluminum	Alluminum	Alluminum
Height	100mm	100mm	250~350mm	250~350mm
Bottom diameter	68(D)	68(D)	90(D)	90(D)
Type	1	1	1	J
Clamping screw	1/4" 20-UNC	1/4" 20-UNC	1/4" 20-UNC	1/4" 20-UNC
Left & Right moving angle	360°	360°	360°	360°
Up & Down moving angle	690°	690°	690°	690°
Loading capacity	2.5Kg	2.5Kg	2.5Kg	2.5Kg
Color	Bright gold color	Bright gold color	Bright gold color	Bright gold color
Dimension	68(D)/100(H)mm	68(D)/150(H)mm	90(D)/250(H)mm	90/180/140mm
Weight	225g	230g	405g	405g

SENSOR

CIS-30M

CIS-10M

CPS-100D

CPS-200P

MS-10

	CIS-30M	CIS-10M	CPS-100D	CPS-200P	MS-10
Protection Range	Indoor : 60m	Indoor : 30m	Wide angle 96°	Wide angle 84°	25~55mm
	Outdoor : 30m	Outdoor : 10m	Standard 12~15m	Standard 12~15m	
Power Source	DC 10.8~25V	DC 10.8~25V	DC 8~18V	DC 8~14V	0.5A
Dimension	73 X 177 X 84 (mm)	73 X 177 X 84 (mm)	131 X 60 (mm)	55 X 13 X 12 (mm)	65 X 14 X 14 (mm)
Response time	50~700msec	50~700msec			
Mounting Site	Outdoor, Indoor	Outdoor, Indoor	Indoor	Indoor	Inside of door
IP Rating	IP 44	IP 44			