

2-WIRE AND 2EASY-IPX DOOR ENTRY SYSTEM



GENERAL CATALOGUE 2021



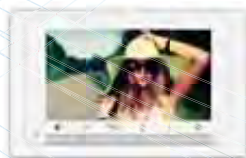
VIDEO DOOR PHONES



DX47M (WIFI monitor)
DT47MG



DX47M1 (WIFI monitor)
DT471



DT17S



DT433



DJ7A



DT607



DT607F-FE/ID/S4



DMR11S



DT821F/DK



DMR18S

VIDEO KITS DT17S

2 wires technology



1 & 2 apartments



KIT DK1711.1 APT. VIDEO KIT

DT607C/ID-S1	Outdoor Station *1(105° camera)
DT17S	Indoor Units *1
DR-60-24	Power Supply with UL approved *1
DT-DPS-DR	Power Separator *1
DS-ERL	Relay*1
DIN Rail	
AC Cord	AWG18 Power Cable *1
HL-3 KEYFOBS	Proximity keyrings *5

KIT DK1721.1 APT. VIDEO KIT

Same as in ref.1711 but with 2 monitors.



KIT DK1722.2 APT. VIDEO KIT

DT607C/ID-S2	Outdoor Station *1(105° camera)
DT17S	Indoor Units *2
DR-60-24	Power Supply with UL approved *1
DT-DPS-DR	Power Separator *1
DS-ERL	Relay*1
DIN Rail	
AC Cord	AWG18 Power Cable *1
HL-3 KEYFOBS	Proximity keyrings *5

3, 4, 6 & 8 apartments



KIT DK1731S.3 APT. VIDEO KIT

DMR11S/ID/S3	Outdoor Station *1 (170° camera)
DT17S	Indoor Units *3
RH-MR11	Surface Box *1
DR-60-24	Power Supply with UL approved *1
DT-DPS-DR	Power Separator *1
DT-DBC4A1	4 Outputs Controller *1
DS-ERL	Relay*1
DIN Rail	
AC Cord	AWG18 Power Cable *1
HL-3 KEYFOBS	Proximity keyrings *6



KIT DK1741S.4 APT. VIDEO KIT

DMR11S/ID/S4	Outdoor Station *1 (170° camera)
DT17S	Indoor Units *4
RH-MR11	Surface Box *1
DR-60-24	Power Supply with UL approved *1
DT-DPS-DR	Power Separator *1
DT-DBC4A1	4 Outputs Controller *1
DS-ERL	Relay*1
DIN Rail	
AC Cord	AWG18 Power Cable *1
HL-3 KEYFOBS	Proximity keyrings *8



KIT DK1761S.6 APT. VIDEO KIT

DMR11S/ID/D6	Outdoor Station *1 (170° camera)
DT17S	Indoor Units *6
RH-MR11	Surface Box *1
DR-60-24	Power Supply with UL approved *1
DT-DPS-DR	Power Separator *1
DT-DBC4A1	4 Outputs Controller *2
DS-ERL	Relay*1
DIN Rail	
AC Cord	AWG18 Power Cable *1
HL-3 KEYFOBS	Proximity keyrings *12



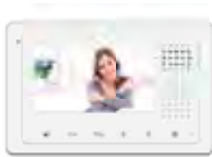
KIT DK1781S.8 APT. VIDEO KIT

DMR11S/ID/D8	Outdoor Station *1 (170° camera)
DT17S	Indoor Units *8
RH-MR11	Surface Box *1
DR-60-24	Power Supply with UL approved *1
DT-DPS-DR	Power Separator *1
DT-DBC4A1	4 Outputs Controller *2
DS-ERL	Relay*1
DIN Rail	
AC Cord	AWG18 Power Cable *1
HL-3 KEYFOBS	Proximity keyrings *16

VIDEO KITS DT433

2 wires technology

1, 2, 3 & 4 apartments



KIT DK43311.1 APT. VIDEO KIT

DT607C/ID/S1/RH	Outdoor Station *1 (170° camera)
DT433	Indoor Units *1
DR-60-24	Power Supply with UL approved *1
DT-DPS-DR	Power Separator *1
DS-ERL	Relay*1
DIN Rail	
AC Cord	AWG18 Power Cable *1
HL-3 KEYFOBS	Proximity keyrings *5

KIT DK43321.1 APT. VIDEO KIT

Same as in ref.4311 but with 2 monitors.



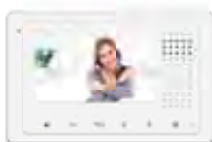
KIT DK43322.2 APT. VIDEO KIT

DT607C/ID/S2/RH	Outdoor Station *1 (170° camera)
DT433	Indoor Units *2
DR-60-24	Power Supply with UL approved *1
DT-DPS-DR	Power Separator *1
DS-ERL	Relay*1
DIN Rail	
AC Cord	AWG18 Power Cable *1
HL-3 KEYFOBS	Proximity keyrings *5



KIT DK43331.3 APT. VIDEO KIT

DT607C/ID/S3/RH	Outdoor Station *1 (170° camera)
DT433	Indoor Units *3
DR-60-24	Power Supply with UL approved *1
DT-DPS-DR	Power Separator *1
DT-DBC4A1	4 Outputs Controller *1
DS-ERL	Relay*1
DIN Rail	
AC Cord	AWG18 Power Cable *1
HL-3 KEYFOBS	Proximity keyrings *6



KIT DK43341.4 APT. VIDEO KIT

DT607C/ID/S4/RH	Outdoor Station *1 (170° camera)
DT433	Indoor Units *4
DR-60-24	Power Supply with UL approved *1
DT-DPS-DR	Power Separator *1
DT-DBC4A1	4 Outputs Controller *1
DS-ERL	Relay*1
DIN Rail	
AC Cord	AWG18 Power Cable *1
HL-3 KEYFOBS	Proximity keyrings *8



6 & 8 apartments



KIT DK43361S.6 APT. VIDEO KIT

DMR11S/ID/D6	Outdoor Station *1 (170° camera)
DT433	Indoor Units *6
RH-MR11	Surface Box *1
DR-60-24	Power Supply with UL approved *1
DT-DPS-DR	Power Separator *1
DT-DBC4A1	4 Outputs Controller *2
DS-ERL	Relay*1
DIN Rail	
AC Cord	AWG18 Power Cable *1
HL-3 KEYFOBS	Proximity keyrings *12



KIT DK43381S.8 APT. VIDEO KIT

DMR11S/ID/D8	Outdoor Station *1 (170° camera)
DT433	Indoor Units *8
RH-MR11	Surface Box *1
DR-60-24	Power Supply with UL approved *1
DT-DPS-DR	Power Separator *1
DT-DBC4A1	4 Outputs Controller *2
DS-ERL	Relay*1
DIN Rail	
AC Cord	AWG18 Power Cable *1
HL-3 KEYFOBS	Proximity keyrings *16

WIFI KITS DX47M

2 wires technology

1, 2, 3 & 4 apartments



KIT DX4711M/ID.1 APT. WIFI KIT

DT607C/ID/S1/RH	Outdoor Station *1 (170° camera)
DX47M	Indoor Units *1
DR-60-24	Power Supply with UL approved *1
DT-DPS-DR	Power Separator *1
DS-ERL	Relay*1
DIN Rail	
AC Cord	AWG18 Power Cable *1
HL-3 KEYFOBS	Proximity keyrings *5



KIT DX4722M/ID.2 APT. WIFI KIT

DT607C/ID/S2/RH	Outdoor Station *1 (170° camera)
DX47M	Indoor Units *2
DR-60-24	Power Supply with UL approved *1
DT-DPS-DR	Power Separator *1
DS-ERL	Relay*1
DIN Rail	
AC Cord	AWG18 Power Cable *1
HL-3 KEYFOBS	Proximity keyrings *5



KIT DX4731M/ID.3 APT. WIFI KIT

DT607C/ID/S3/RH	Outdoor Station *1 (170° camera)
DX47M	Indoor Units *3
DR-60-24	Power Supply with UL approved *1
DT-DPS-DR	Power Separator *1
DT-DBC4A1	4 Outputs Controller *1
DS-ERL	Relay*1
DIN Rail	
AC Cord	AWG18 Power Cable *1
HL-3 KEYFOBS	Proximity keyrings *6



KIT DX4741M/ID.4 APT. WIFI KIT

DT607C/ID/S4/RH	Outdoor Station *1 (170° camera)
DX47M	Indoor Units *4
DR-60-24	Power Supply with UL approved *1
DT-DPS-DR	Power Separator *1
DT-DBC4A1	4 Outputs Controller *1
DS-ERL	Relay*1
DIN Rail	
AC Cord	AWG18 Power Cable *1
HL-3 KEYFOBS	Proximity keyrings *8



6 & 8 apartments



KIT DX4761M/ID.6 APT. WIFI KIT

- | | |
|--------------|----------------------------------|
| DMR11S/ID/D6 | Outdoor Station *1 (170° camera) |
| DX47M | Indoor Units *6 |
| RH-MR11 | Surface Box *1 |
| DR-60-24 | Power Supply with UL approved *1 |
| DT-DPS-DR | Power Separator *1 |
| DT-DBC4R | 4 Outputs Controller *2 |
| DS-ERL | Relay*1 |
| DIN Rail | |
| AC Cord | AWG18 Power Cable *1 |
| HL-3 KEYFOBS | Proximity keyrings *12 |



KIT DX4781M/ID.8 APT. WIFI KIT

- | | |
|--------------|----------------------------------|
| DMR11S/ID/D8 | Outdoor Station *1 (170° camera) |
| DX47M | Indoor Units *8 |
| RH-MR11 | Surface Box *1 |
| DR-60-24 | Power Supply with UL approved *1 |
| DT-DPS-DR | Power Separator *1 |
| DT-DBC4R | 4 Outputs Controller *2 |
| DS-ERL | Relay*1 |
| DIN Rail | |
| AC Cord | AWG18 Power Cable *1 |
| HL-3 KEYFOBS | Proximity keyrings *16 |

INDOOR MONITOR DX47M1

7 inch screen

Big TFT Wi-Fi Monitor

Big TFT display with friendly touch screen operation, logic tree-menu structure for a great experience.

- 7 inch TFT touch screen
- Touch sensor button
- Memory function build-in
- Anti-disturb function setting
- Support additional ringer or door bell
- Additional light control or 2nd lock control via DT-RLC
- Support Intercom call, Inner call, Guard unit call
- Support local mode via home wif connect to smart phone, point to point
- Support divert mode via SIP server to connect to smart phone outside



Indicator & microphone



stereo touch button
high sensitive



guide button



7"high resolution
TFT screen



Advanced functional features

- Divert call

In local mode both monitor and smart phone should connect to same Wi-Fi network at home

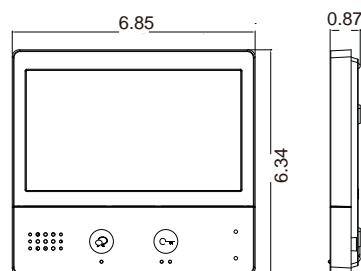
In divert mode monitor should connect to same Wi-Fi network, and smart phone use 4G or connect to another Wi-Fi network

Smart phone is able to control remotely such as unlocking, monitoring, communicating, etc

- With Memory function

If inserting SD card, the monitor would record videos

If without SD card inside, the monitor would record pictures



Dimension

6.85 x 6.34 x 0.87

(width) x (height) x (depth) inch

INDOOR MONITOR DX47M

7 inch screen

Big TFT Wi-Fi Monitor

Big TFT display with friendly touch screen operation, logic tree-menu structure for a great experience.

- 7 inch TFT touch screen
- Touch sensor button
- Memory function build-in
- Anti-disturb function setting
- Support additional ringer or door bell
- Additional light control or 2nd lock control via DT-RLC
- Support Intercom call, Inner call, Guard unit call
- Support local mode via home wif connect to smart phone, point to point
- Support divert mode via SIP server to connect to smart phone outside



super thin design
only 18mm



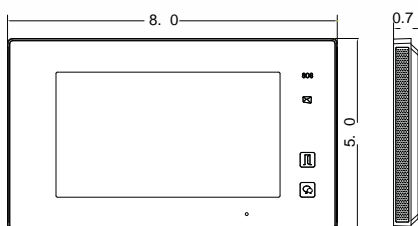
capacitive touch
screen



touch sensor button
high sensitive



flat icon menu
7" TFT screen



Dimension

8.90x5.20x0.71

(width) x (height) x (depth) inch

Advanced functional features

- Divert call

In local mode both monitor and smart phone should connect to same Wi-Fi network at home

In divert mode monitor should connect to same Wi-Fi network, and smart phone use 4G or connect to another Wi-Fi network

Smart phone is able to control remotely such as unlocking, monitoring, communicating, etc

- With Memory function

If inserting SD card, the monitor would record videos

If without SD card inside, the monitor would record pictures

INDOOR MONITOR DT47MG

7 inch screen

Advanced and simple monitor

No matter whether you are at home or traveling: This is a simplified monitor that is able to record videos of your visitors.

DT47MG is a slim 7 inches monitor for houses or apartments offering advanced functions.

Featuring a high tech 7 inches capacitive touch screen, its operation flows naturally through a very intuitive menu-style. The monitor provides comprehensive and effective communication control, security and comfort.

- 7 inch digital color TFT screen
- Touch screen & touch sensor buttons
- Host&Guest Message leave function
- Pantilt & Zoom in/out via fisheye door station
- Picture/video memory



super thin design
only 18mm



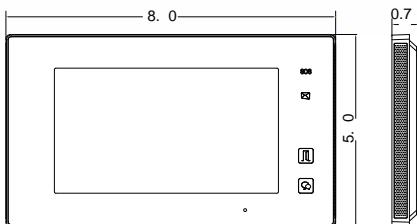
capacitive touch
screen



touch sensor button
high sensitive



flat icon menu
7" TFT screen



Dimension

8.90x5.20x0.71

(width) x (height) x (depth) inch

Advanced functions

- **Pantilt & Zoom in/out**

Pantilt to see individuals up close.

Zoom in/out to identify everyone at the entrance.

- **SMS & voice message**

Free short messages sending and receiving.

Host and visitor can leave a message each other, controlling the entrance all the time.

- **Motion detection**

Auto-recording when someone approach to the doorway.

Activate relay actuator (light on or release door).

Alert announce when someone gets close.

INDOOR MONITOR DT17S

7 inch screen

Simple and intuitive to use

The monitor is easy to use for anyone, it is simple design and easy to install.

With its easy functions and simple menu design, it makes the operation more easy and more intuitive, all operations just touch the sensor buttons.

- Ultra thin design
- Dummy mechanical button-layer design
- Sensitive touch sensor button
- High qualified ABS plastic with signal white color
- Simplified and intuitive menu style



super thin design
only 17mm



curve button design



touch sensor button
high sensitive



simple user interface
7" TFT screen

Advanced functional features (Must work with DT-IPG, see wiring below)

- Divert call

Thanks to SIP technology, DT17S is able to divert the call from door station to mobile phone, so remote control such as communicating, unlocking, monitoring can be achieved.

- Memory function

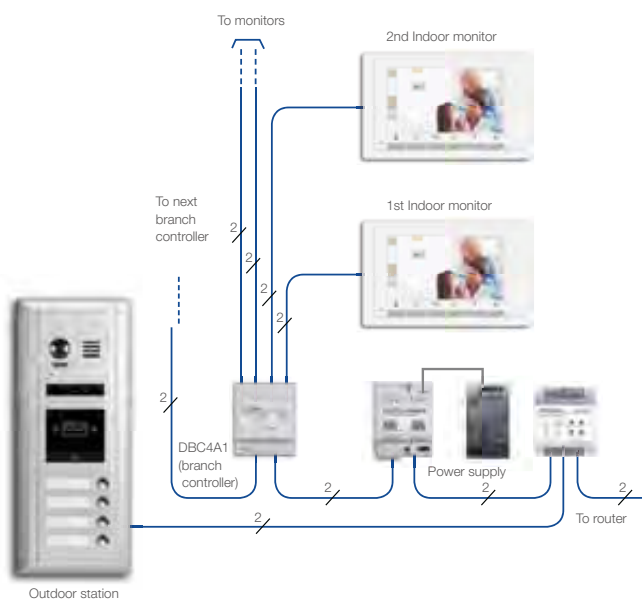
If inserting a SD card into DT-IPG, DT17S would record videos.

If no SD card inside DT-IPG, DT17S would record pictures.

This function is workable on villa or multiple apartments, DT-IPG will generate an individual folder for each apartment, to record pictures or videos.

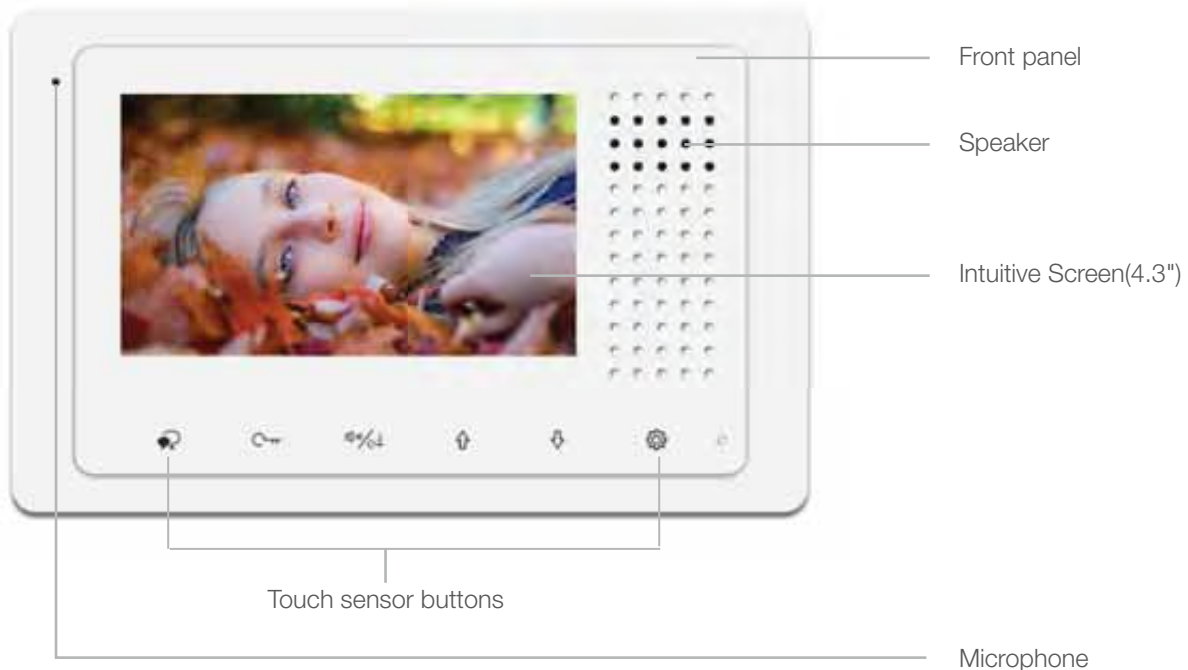
- Intercom Functions

Included Inner call, Intercom Call, Guard Unit Call.



INDOOR MONITOR DT433

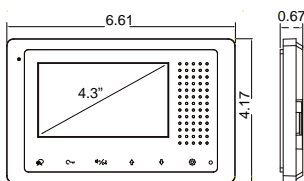
4.3 inch screen



A new experience

Simple and intuitive design. Its 4.3 inch TFT screen ensures high quality performance, Thanks to its intuitive graphic menu, the user may control each of the function included in the monitor. Step by step.

Its capacitive touch buttons on the panel makes the operation more intuitive and convenient.



Dimension

6.61x4.17x0.67

(width) x (height) x (depth) inch

Main features

- [Multi language supported](#)

The operating languages can be customized, it can satisfy different customers needs.

- [Touch sensor button](#)

It allows smooth activation and great flexibility with high sensitive. All functions may be controlled by these buttons.

- [Slim & Ultra-thin design](#)

17mm thickness only.

The slim design makes the monitor more smart and its saving room and getting more enjoyable.

- [No bracket mounting](#)

No anti-disturb function.

OUTDOOR STATION DT607 SERIES

Wide angle camera entry panel



DT607C entry panel



DT607C/ID-S1 DT607C/ID-S2 DT607C/ID-S3 DT607C/ID-S4

- 105° wide angle camera
- Zinc alloy metal
- 1/2/3/4 call buttons
- Proximity access control
- Excellent electroplating and polishing treatment
- Surface wall mounting
- IP54 protection rate

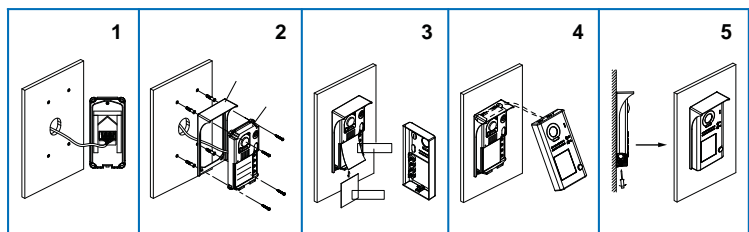
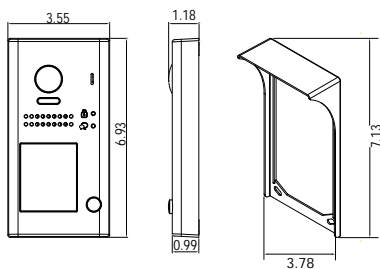
DT607FE entry panel



DT607FE/ID/S1/RH DT607FE/ID/S2/RH DT607FE/ID/S3/RH DT607FE/ID/S4/RH

- 170° fish eye camera
- Zinc alloy metal
- 1/2/3/4 call buttons
- Proximity access control
- Excellent electroplating and polishing treatment
- Surface wall mounting with rainy cover

Dimensions/installation(unit:inch)



OUTDOOR STATION DT607F SERIES

Wide angle camera entry panel



DT607CF entry panel



DT601CF/ID/S1 DT607CF/ID/S2

- 105° wide angle camera
- Zinc alloy metal
- 1/2 call buttons
- Proximity access control
- Excellent electroplating and polishing treatment
- Flush mounting
- IP54 protection rate

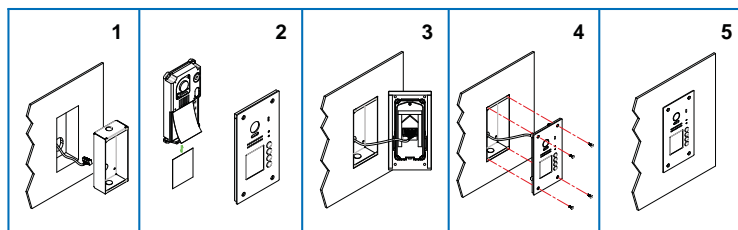
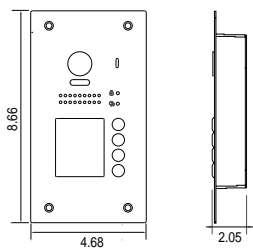
DT607F-FE entry panel



DT607F-FE/ID/S1 DT607F-FE/ID/S2 DT607F-FE/ID/S3 DT607F-FE/ID/S4

- 170° fish eye camera
- Zinc alloy metal
- 1/2/3/4 call buttons
- Proximity access control
- Excellent electroplating and polishing treatment
- Flush mounting

Dimensions/installation(unit:inch)



OUTDOOR STATION DMR11S

Direct call buttons entry panel



Modularized outdoor station

The DMR11S module celebrates the extreme functionality of the design, with rainy cover for surface mounted, wide-angle camera for large area and optical glass lens for better performance.

It allows you to play with the modules and obtain the entry panel most suited to your needs.

- Aluminum alloy panel
- Synthesis language reminder
- Nameplate or name list via TFT modular



170° high resolution fisheye camera



work status indicators blue light illumination



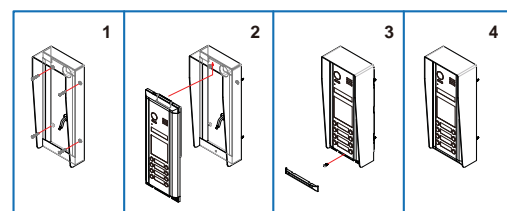
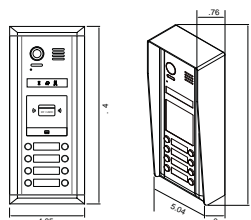
proximity access control LED indicator



direct call buttons single row/double row



Dimensions/installation(unit:inch)



OUTDOOR STATION DT821 SERIES

Modular entry panel



Modularized outdoor station

Modularize door station allow users to select their own functions, with below modules the door station could call via room number, unlock by 13.65Mhz and 125Khz cards, or simply just call by metal touch button.



821-VD

Main camera module



821-DR

Dot display card reader



821-MK

Mechanical keypad



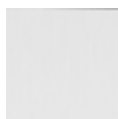
821-S4

Touch sensor call button



821-LB

Backlight info board



821-BM

Blank block



2 Modules Door station
Surface/Flush mounting

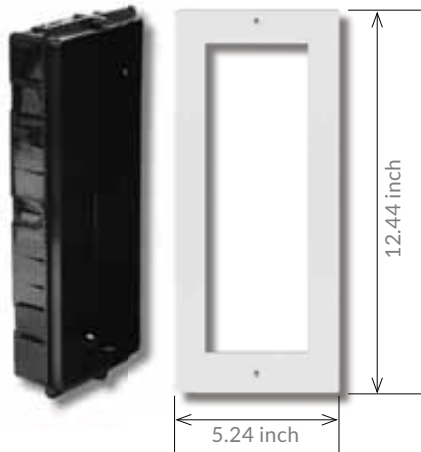


3 Modules Door station
Surface/Flush mounting

OUTDOOR STATION DT821 SERIES

Modular entry panel

Frame & Mount Box



821 3x1-F

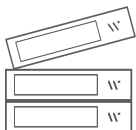
- Flush Mount
- Plastic in-wall mount box
- *2x1 box is iron
- Stainless steel Frame



821 3x1-S

- Aluminum built-in rain cover
- Stainless steel box
- Stainless steel Frame

Features



Modularization

- RFID/Pin code access
- Digital tube Display
- Information board



Easy configure

- Modularize fixing
- Plug and play



Prompt Voice

- Prompt Voice
- Language customization



Stainless steel

- 304 Stainless Steel
- Fingerprint-proof



Water-proof

- IP54 water proof

OUTDOOR STATION DMR18S

Mechanical keypad entry panel



Aluminum panel with 3.5" screen

The 3.5 inch screen with user interface makes the settings more convenient and humanitarian, and it is so easy to update the user interface at any time, just with one SD card.

Once the door code is entered, just press the keypad to call the house, it's user-friendly and intuitive.

- New menu-structure design
- Synthesis voice reminder
- Name list display
- Large capacity (up to thousands apartments via DT-IPG)



High resolution camera
night view LED



navigation buttons
touch operation

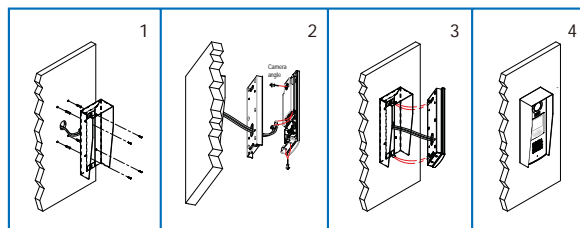
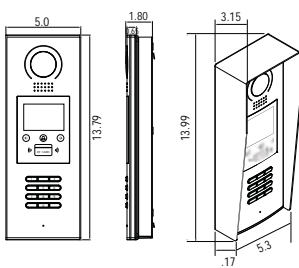


keypad & proximity
access control



3.5 inch digital TFT
true color menu

Dimensions/installation(unit:inch)



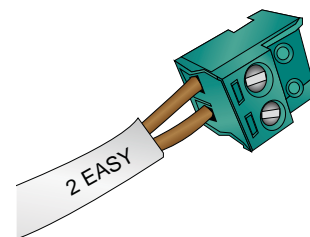
SYSTEM DESCRIPTION

2 wire non-polarity bus line



Why '2' easy?

Just two non-polarity wires connection for whole system, including power supply, simple self-learning programming, which makes installation quicker and immediate, it offers a 2Easy work experience/life for installers/end users. Thanks to the technology with high performance, long-distance coverage, high reliability, and low cost make it unbeatable.



Main features

All in one: Power, Audio, Video and control signal, all transmitted by a 2-wire cable.

Non-polarity: Never afraid of electric shock.

Bus transmission: Expandable and reliable diagram.

Central power supply: No black pigtail to home socket.

Flexible cable: Existing cable is available(parallel/twisted cable, 18 gauge recommended).



Antistatic protection
Safety & reliable



Isolation protection
Short circuit protection



Self-learning
Lowest labor cost



Long distance transmission
Max.480 meters


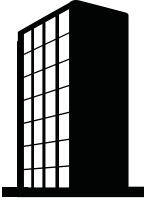



System application

2-Easyplus will be suitable for many kinds of situation, new construction or renovation of old buildings, single-family or multi-family houses, standalone apartments or high-rise buildings with more than 200 apartments and residential complex.



System capacitive

 <p>Villa</p>	 <p>Standalone Apartments</p>	 <p>Residential complex</p>				
<p>16 Indoor Stations 4 Outdoor Stations 8 CCTV Cameras</p>	<table border="0"> <tr> <td data-bbox="418 1086 695 1224"> <p>Audio system 128 Indoor Stations 4 Outdoor Stations No distributor is needed</p> </td> <td data-bbox="719 1086 930 1224"> <p>Video system 32 Indoor Stations 4 Outdoor Stations 8 CCTV Cameras</p> </td> </tr> <tr> <td colspan="2" data-bbox="418 1246 930 1276"> <p>*Video and Audio units can be mixed</p> </td> </tr> </table>	<p>Audio system 128 Indoor Stations 4 Outdoor Stations No distributor is needed</p>	<p>Video system 32 Indoor Stations 4 Outdoor Stations 8 CCTV Cameras</p>	<p>*Video and Audio units can be mixed</p>		<p>199 floor gateway/riser (MAX. 199pcs DT-IPG, each DT-IPG can support 32 indoor stations.) 32 Common Door Stations, can call all indoor stations. 32 Guard Units</p>
<p>Audio system 128 Indoor Stations 4 Outdoor Stations No distributor is needed</p>	<p>Video system 32 Indoor Stations 4 Outdoor Stations 8 CCTV Cameras</p>					
<p>*Video and Audio units can be mixed</p>						

System advanced functions



Message leave

Host and visitor can leave message each other under home-away mode.



Call transfer

Call transfer via DT-IPG, it won't miss the call even though you are not at home.



Intercom function

-Enable/disable the Intercom function;
-Selective name list intercom.



SMS

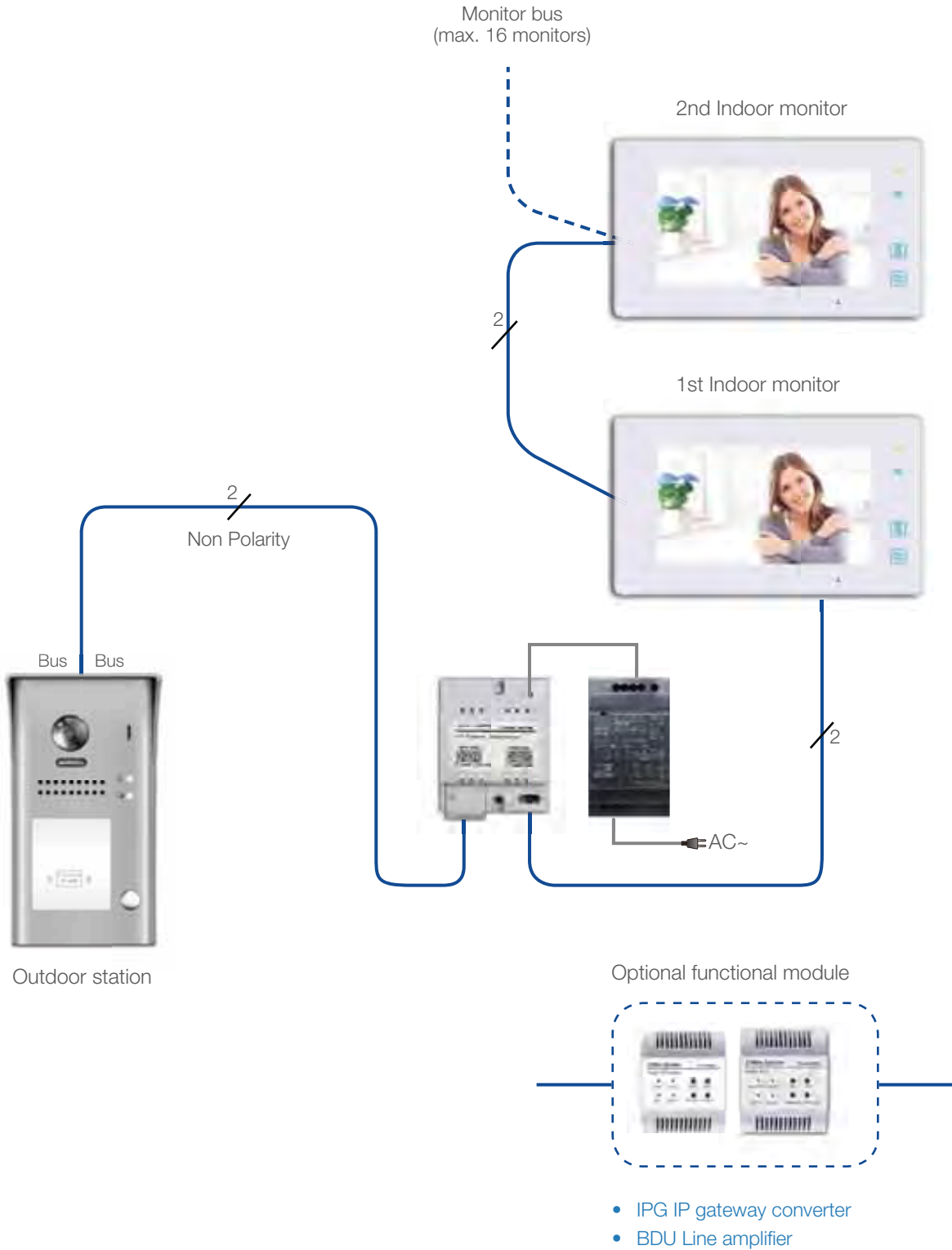
Free short messages sending and receiving among monitors.

SYSTEM BASIC DIAGRAMS

2 wire non-polarity bus line

Basic in-out topology wiring mode for villa

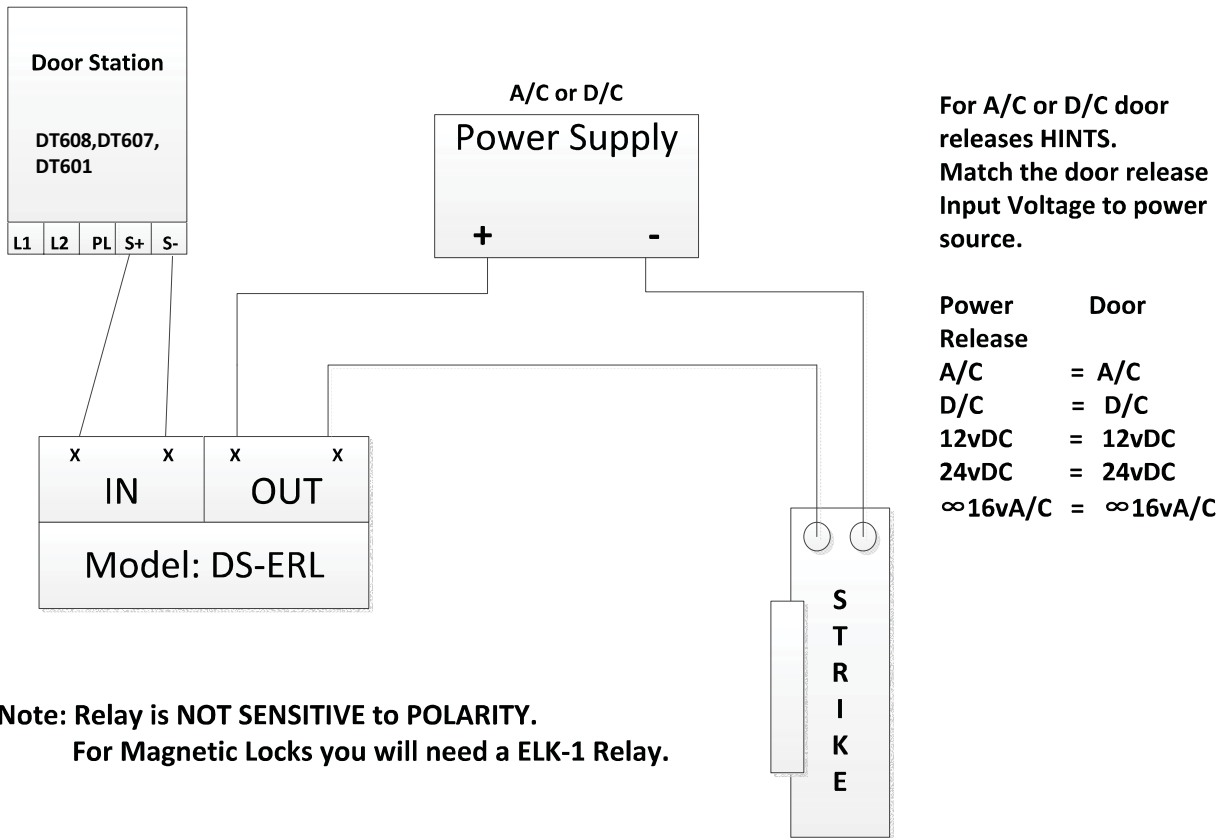
IN-OUT mode is the basic wiring topology. It is used normally, and the quantity of monitor must be less than 16. Video matching is needed in this situation, and the monitor at the end of the line should be matched.



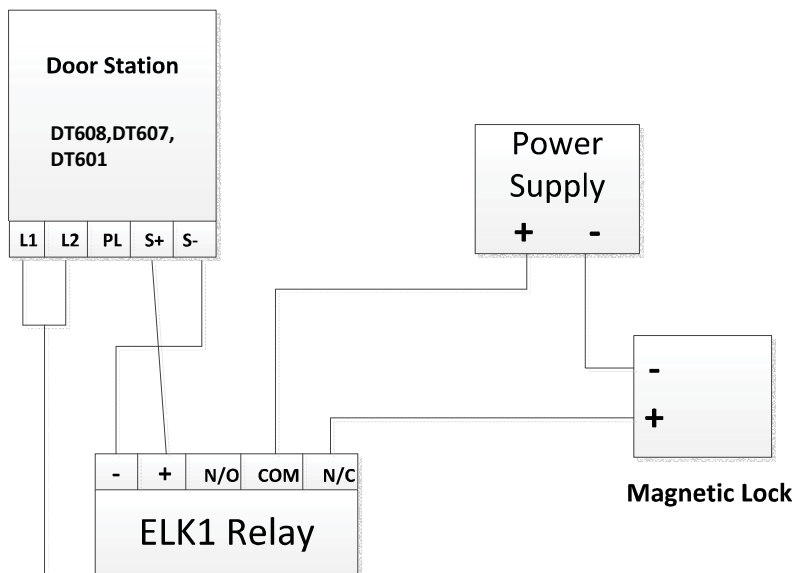
Hooking up a door release

2 wire non-polarity bus line

DT608, DT607, DT601



Note: Relay is NOT SENSITIVE to POLARITY.
For Magnetic Locks you will need a ELK-1 Relay.



Power Supply can be A/C or D/C as long as it matches the needs of the magnetic lock.

By hooking up the ELK1 to the door release this saves the outdoor station from being damaged which is NOT covered by the warranty!

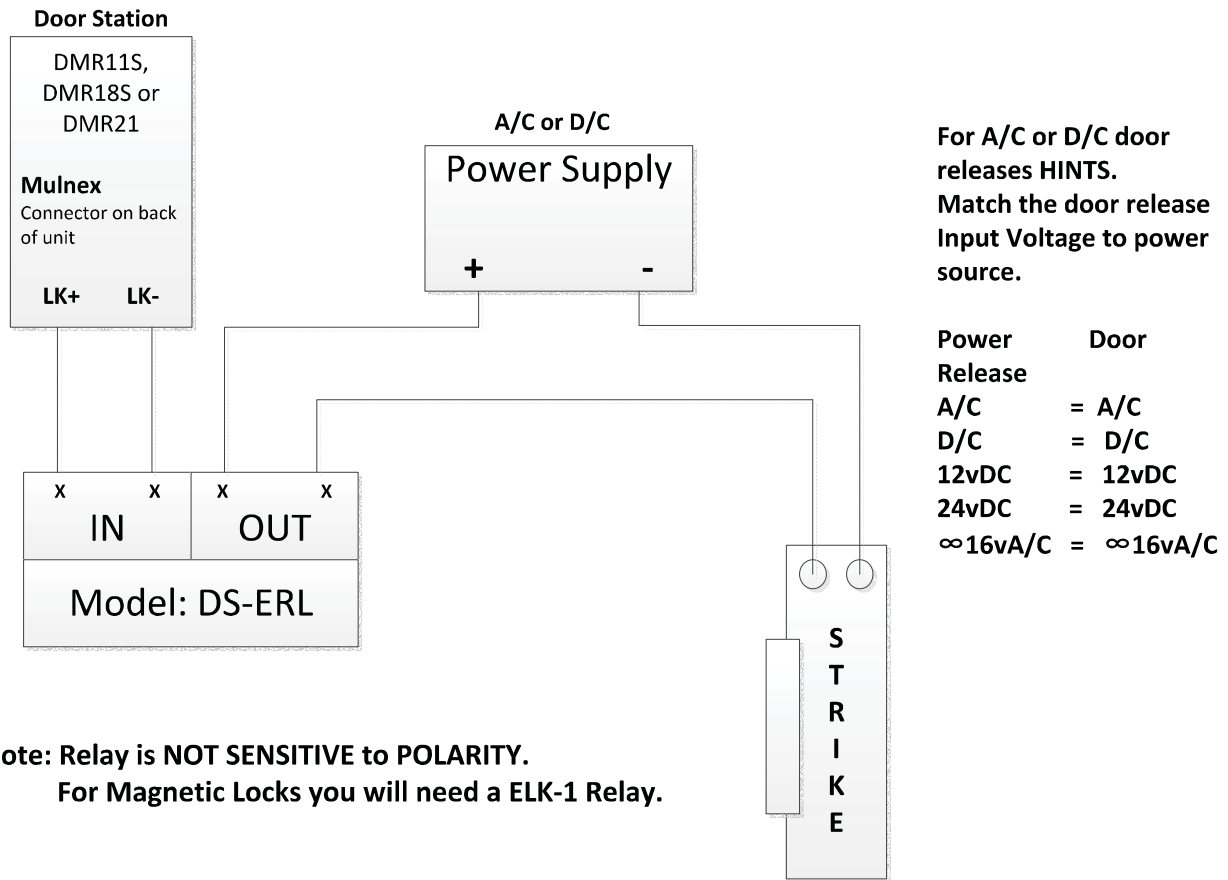
The reason for this is that all Magnetic Locks have more than 200mA and the panel relay Max is 200mA.

Note: Bus (L1, L2) to DT-DPS or DBC4A1 if you have more than 1 door station.

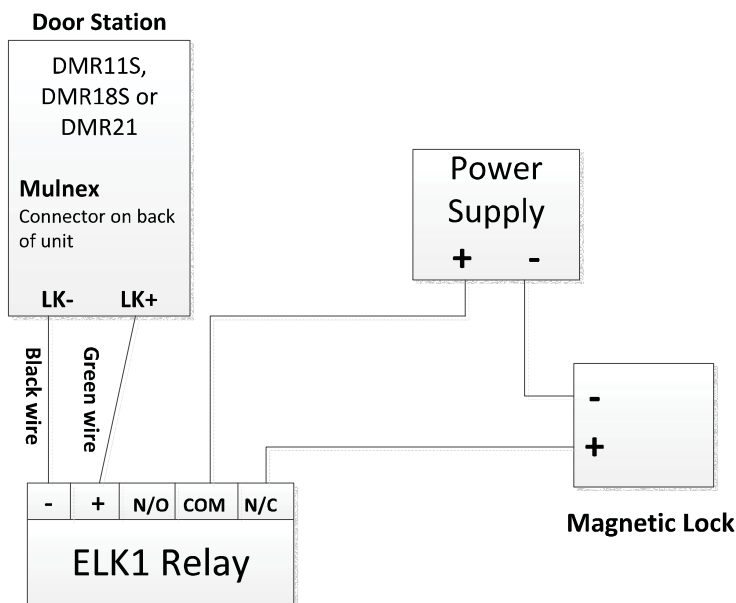
Hooking up a door release

2 wire non-polarity bus line

DMR11S, DMR18S, DMR21



Note: Relay is NOT SENSITIVE to POLARITY.
For Magnetic Locks you will need a ELK-1 Relay.



Power Supply can be A/C or D/C as long as it matches the needs of the magnetic lock.

By hooking up the ELK1 to the door release this saves the outdoor station from being damaged which is NOT covered by the warranty!

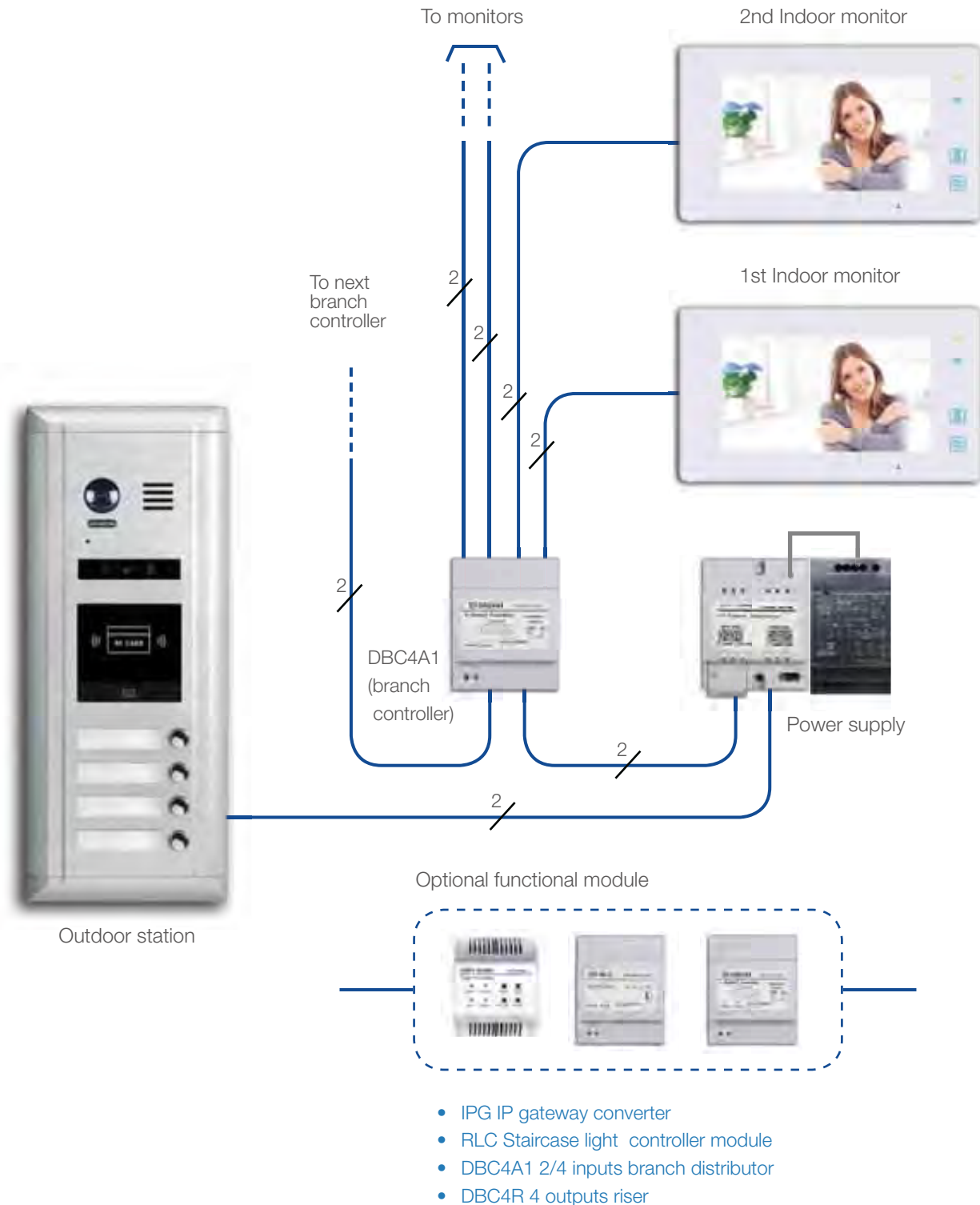
The reason for this is that all Door Stations have spikes in voltage and the panel relay Max is 200mA.

SYSTEM BASIC DIAGRAMS

2 wire non-polarity bus line

Basic star wiring mode for apartment

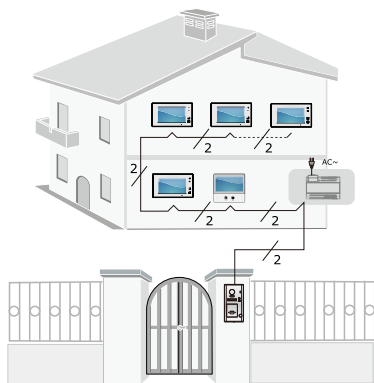
This is the most common way for apartment system. One building shares one common entrance. Each user in the building can not only open the door, but also can intercom with the entrance or other users in the building via the system.(note that max.4 users are available for one branch controller(DBC4A1))



SYSTEM BASIC DIAGRAMS

2 wire non-polarity bus line

Typical wiring in villa application



Cables and distance

When Monitor quantity < 20

Cable Usage	A	B
Twisted cable 2x0.00116 sq.in	196ft	196ft
Twisted cable 2x0.00155 sq.in	262ft	262ft

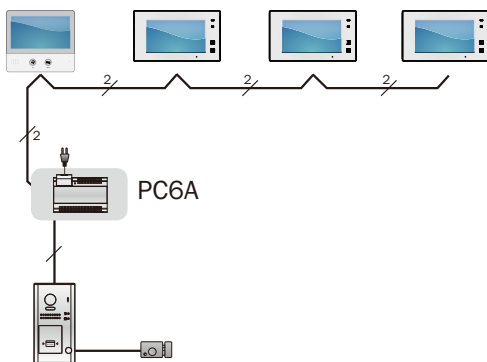
When Monitor quantity > 20

Cable Usage	A	B
Twisted cable 2x0.00155 sq.in	229ft	98ft
Twisted cable 2x0.00233 sq.in	229ft	164ft

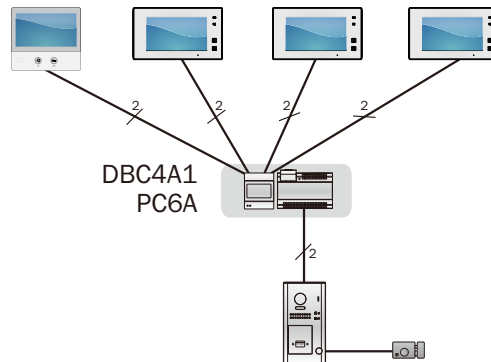
Note:

1. A means the distance from door station to power supply;
2. B means the distance from power supply to the last monitor (or to the last distributor).
3. The thicker the copper wire is, the longer distance will be. Best wire to use is 18 Gauge twisted, while Cat 5 or 6 are not recommended.

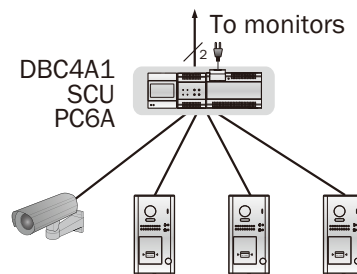
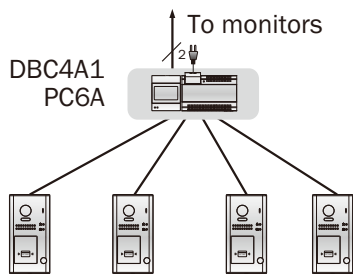
In-out topology



Star topology



Extending door stations/cameras

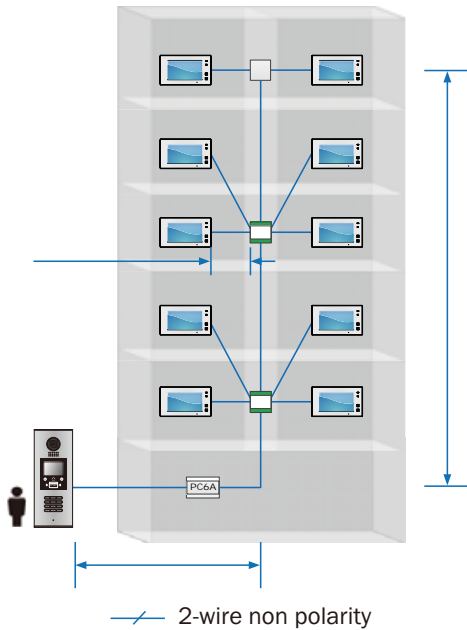


SYSTEM BASIC DIAGRAMS

2 wire non-polarity bus line

Typical wiring in apartment application (max.32 families)

Wiring diagram



Cables and distance

When Monitor quantity < 20

Cable Usage	A	B	C
Twisted cable 2x0.00116 sq.in	196ft	196ft	98ft
Twisted cable 2x0.00155 sq.in	262ft	262ft	131ft

When Monitor quantity > 20

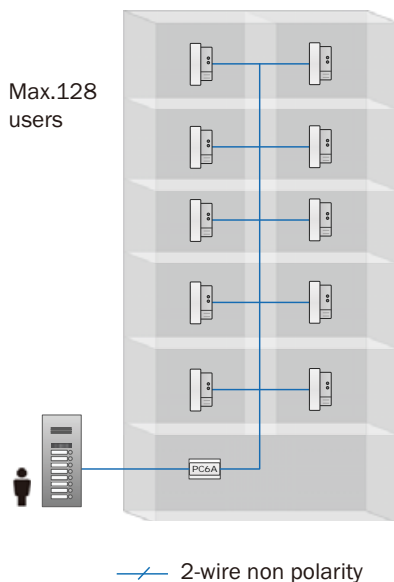
Cable Usage	A	B	C
Twisted cable 2x0.00155 sq.in	229ft	98ft	65ft
Twisted cable 2x0.00233 sq.in	229ft	164ft	98ft

Note:

1. A means the distance from door station to power supply;
 2. B means the distance from power supply to the last monitor (or to the last distributor).
 3. C means the distance from distributor to the monitor.
3. The thicker the copper wire is, the longer distance will be. Best wire to use is 18 Gauge twisted, while Cat 5 or 6 are not recommended.

2-Wire audio apartment system

Wiring diagram



Audio Apartment System for single block

Solution features:

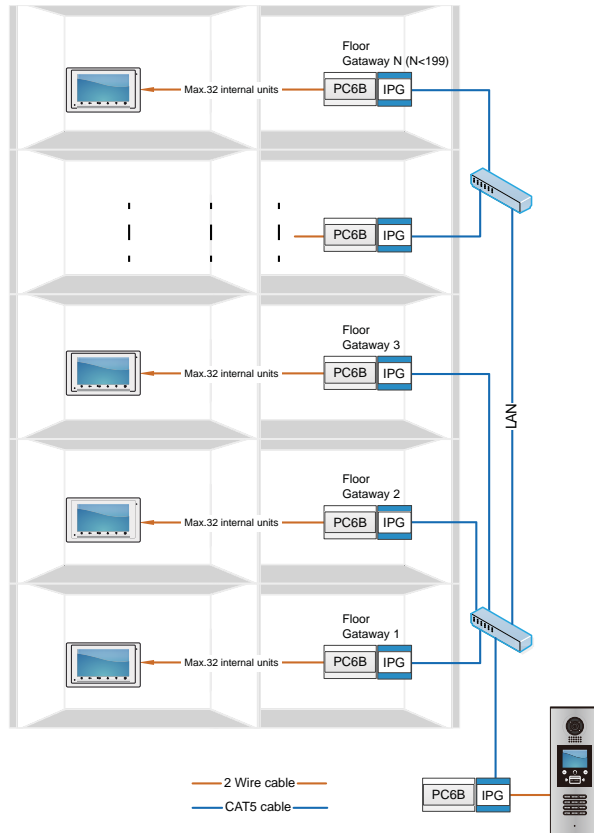
- Max.128 users in one block ;
- DIP address setting;
- Without accessories except Power supply;
- Cabling in any topology;
- Low cost for general purpose;
- Priority on renovation.

SYSTEM BASIC DIAGRAMS

2 wire non-polarity bus line

High rise building system, Video

Wiring diagram



Solution Features

- Extendable module design suitable for high rise building
- 2-Wire non polarity/center power in each branch line
- Easy wiring according to electric well
- General Ethernet connection among DT-IPGs

Device Used

- DT-IPG IP gateway
- DMR18S door stations

Configurations

- DT-IPGs/Monitors' addressing via DIP switch
- Advanced setting by PC software DX-Builder

2EASY-IPX SYSTEM (IPX850(F))

Modular entry panel



Modularized outdoor station

For small or middle building entry door station, with card and pin code access control for users.



Fingerprint-proof
Stainless steel surface



5 inch TFT display
With touch glass screen



All menu could customize
multi language, user interface



170° wide angle fisheye camera.
Economical normal camera version*



Support both 13.56Mhz and 125Khz card.
Dual car reader



2EASY-IPX SYSTEM (IPX610)

IPX Network



2EASY-IPX system outdoor station

- Compact design
- Aluminum front panel
- Big backlit push button
- 720P fisheye or Normal lens
- Surface mounting
- IP54 proof



2EASY-IPX SYSTEM (IPX471)

7 inch screen

Big TFT Monitor

Big TFT display with friendly touch screen operation, logic tree-menu structure for a great experience.

- 7 inch TFT touch screen
- Touch sensor button
- Memory function build-in
- Anti-disturb function setting
- Support additional ringer or door bell
- Additional light control or 2nd lock control via DT-RLC
- Support Intercom call, Inner call, Guard unit call
- Support local mode via home wif connect to smart phone, point to point
- Support divert mode via SIP server to connect to smart phone outside



Indicator & microphone



stereo touch button
high sensitive



guide button



7"high resolution
TFT screen

Advanced functional features



Transfer

Transfer call to APP



Customizable

Logo, Menu, UI



Elevator control

Support elevator control



Screen

7Inch touch screen



Handset

Support handset accessory



Alarm

Maximum 8 alarm zooms

2EASY-IPX SYSTEM (IPX471-HS (Guard Unit))

IPX Network

Guard Unit



Camera View

IPX471-HS could pair with an IP Camera as its' own camera, when calling to other monitor, showing paired IP Camera's image.



Handset Optional

IPX471-HS could work with handset or without handset.



Desk Mount

Support desk mount, special for secure room or reception.



Transfer

Transfer calls to APP when the devices is unattended.



Self Manage Access

Add or delete Pin code or Card on monitor only, don't need PC software to manage access control.



Sync Name To Doors

End user could set their room name which will be automatically sync to door station.



IP Camera Mange

Manage IP camera connected on the system, spy or switch to camera during a call.



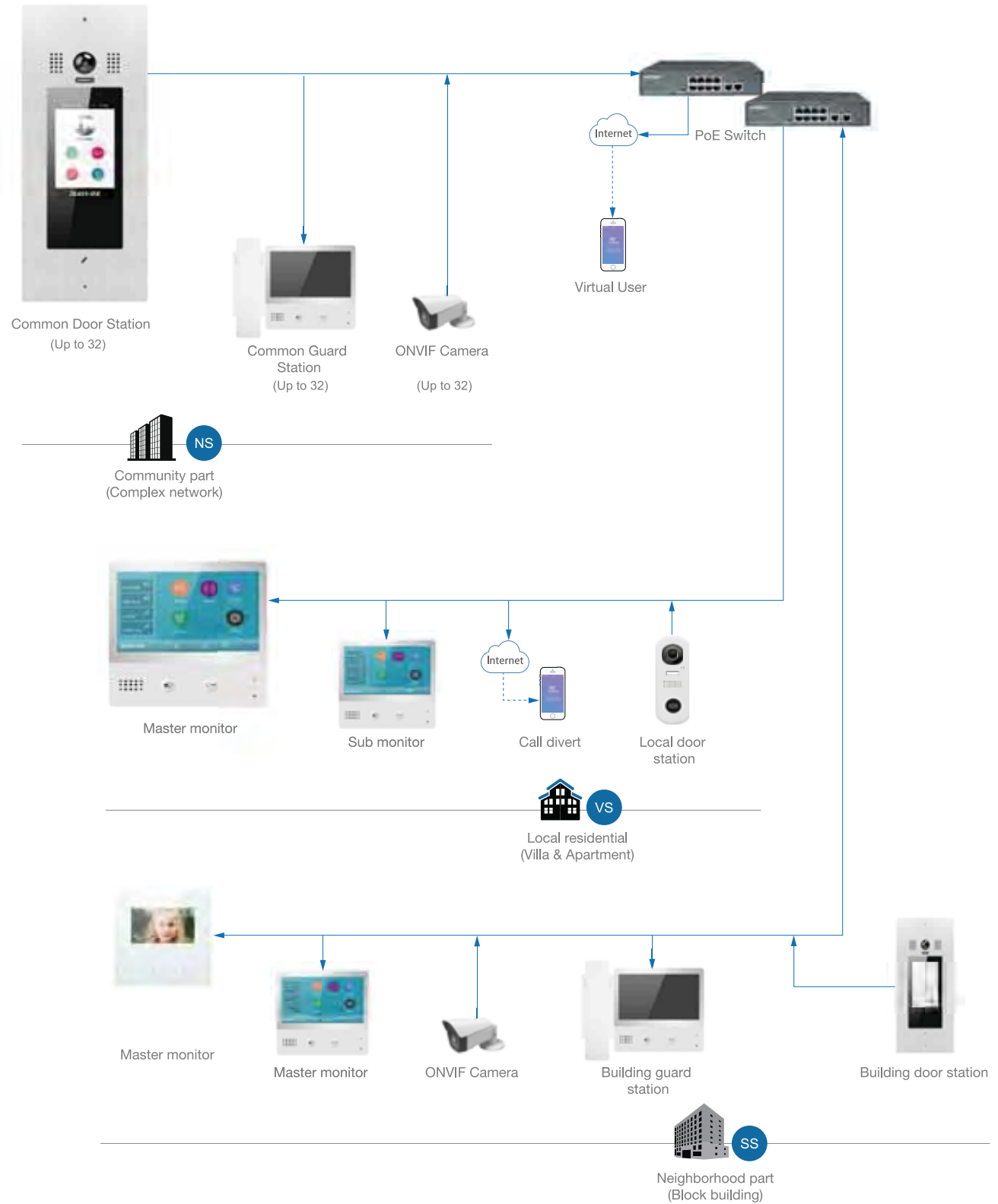
Multi Channels

Multi channel allow users to have multi conversation in the same time.

2EASY-IPX SYSTEM

IPX Network

General 2Easy-IPX System Layout



— One CAT5E cable to connect The World —>

2EASY-IPX SYSTEM

IPX Network

Applications

- **Residential**



Flexibility & Scalability for needs changes or business expands

- **Commercial**



Multi Video& Audio channels with CCTV integration

- **Educational**



Video entry and emergency communications

- **Healthcare**



after-hour/restrict area access control and intercom

Advantages

- **Setup IP address automatically**

IP address is auto assigned and not associated with Call number

- **Device/Name list created automatically**

Auto-scanning mechanism for freely synch

- **Onsite device management tools**

Installer mode for advanced setting from door station / monitor

- **Embedded network tools (ping)**

Line supervision and device check for online status and functioning

- **External unit auto configuration**

Auto setup wizard

Features

- **PoE (Power over Ethernet)**

Standard PoE, no need for extra power supply and cables

- **SIP Divert**

Standard SIP Protocol ensures reliable connectivity and compatibility

- **ONVIF IPC connectivity**

Integration with most ONVIF IP cameras, for private and public surveillance

- **Work with smart phone**

Call divert to mobile phone through CCloud server

- **Update and upgrade**

Online upgrading from Internet

Functions

- **Access control management**

Professional code management system for public or individual password

Secure and convenient tag proximity authorization with synch & backup

- **Camera surveillance**

Camera search and add-on for quick auto-configuration

Favorite list for fast response

- **Call diverting**

Divert to home user in parallel with monitor lit on

Virtual SIP call to specified mobile phone in emergency condition

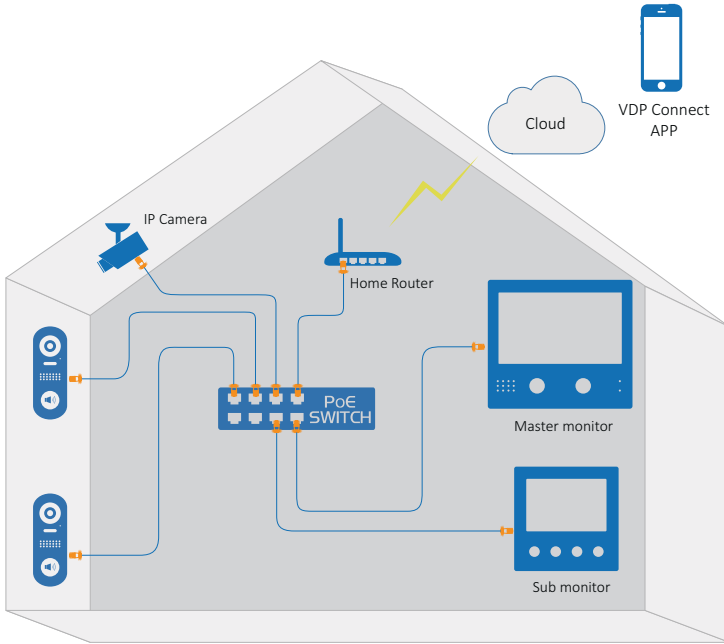
- **Picture memory and call recording**

System calling, logs, recording(memory and video)

2EASY-IPX SYSTEM

IPX Network

VS IPX Villa Solution



CAT5e: Devices to Switch, max 100M

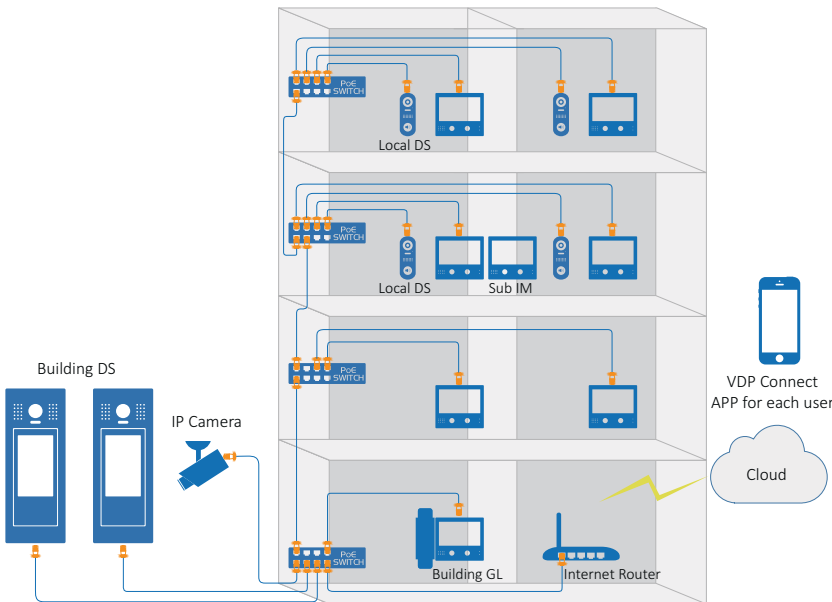


Single Family in villa

- Local outdoor stations(L-DS)
- Sub monitors(S-IM)
- Private IP Camera(IPC)

VS

SS IPX Apartment Solution

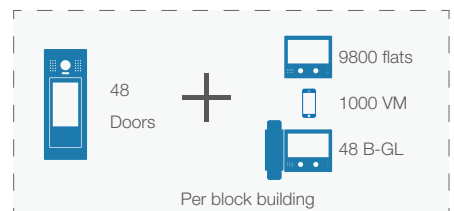


Block building with multi apartments

- Multi building outdoor station(B-DS)
- Building Guard Stations(B-GL)
- Local outdoor stations for each flat(L-DS)
- Sub monitors for each flat(S-IM)
- Public IP Camera(IPC)
- Virtual user(VM)

*2/3 layer switch is needed according to devices nos.

CAT5e: Devices to Switch, max100M
Switch to Switch, max 30M



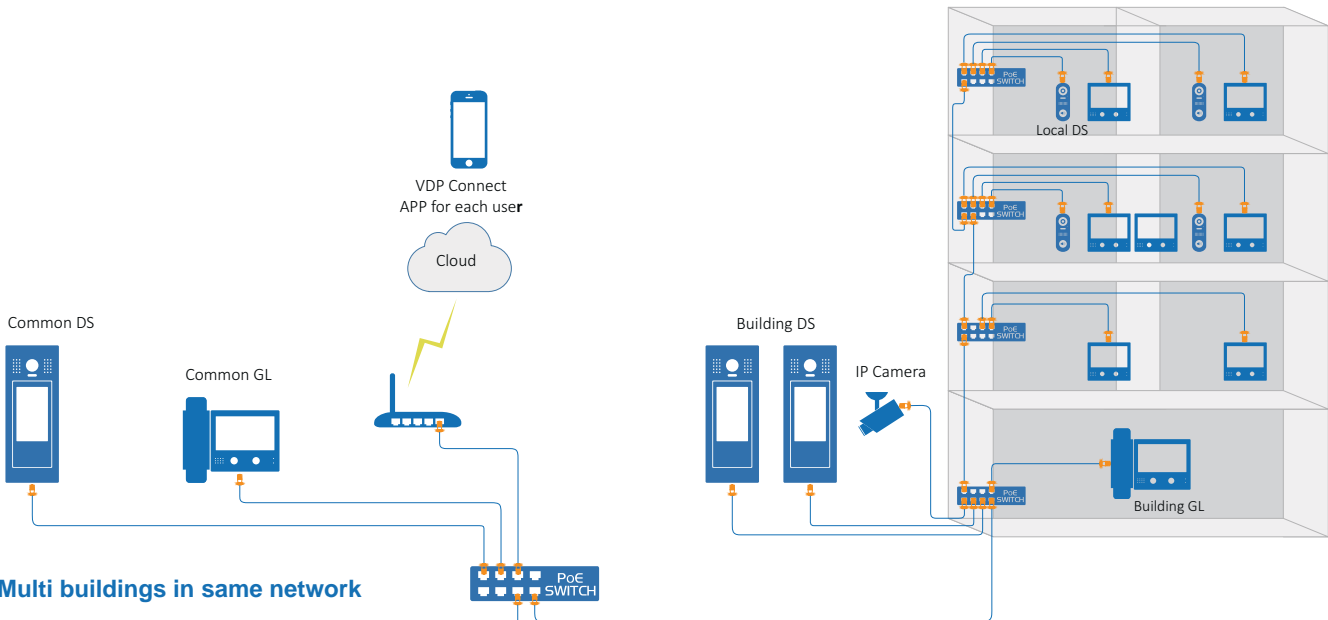
VS

SS

2EASY-IPX SYSTEM

IPX Network

NS IP Complex network solution



Multi buildings in same network

- Common Outdoor Station(C-DS)
- Common Guard Station(C-GL)
- Public IP Camera(IPC)

Each block building with its own ecosystem

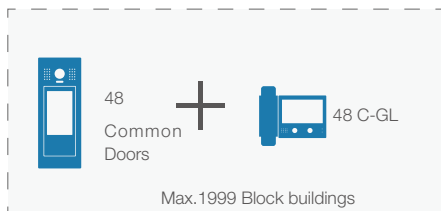
- Block door stations(B-DS)
- Building Guard Stations(B-GL)
- Public IP Camera(IPC)

Each apartment with its own privacy

- Master monitors(IM)
- Sub monitors(S-IM)
- Virtual users(VM)
- Private IP Camera(IPC)

*3-layer router switch is needed (Vlan mode)

— CAT5e: Devices to Switch, max 100M
Fiber transmission if necessary



VS

SS

VS

SS

NS

2EASY-IPX SYSTEM

IPX Network

IPX Device List

• Villa door stations



- **IPX610(C) Series**

- 720P fisheye or Normal lens
- Aluminum front panel
- Surface mounting
- IP54 proof

LxHxD(inch):2.36*6.3*1.24

• Apartment door stations



- **IPX850(F) Series**

- 720P fisheye lens
- 5" touch screen operation
- RFID proximity access
- Stainless steel panel
- Surface or flush mountings
- IP54 proof

LxHxD(inch):4.33*11.06*1.73(S)

LxHxD(inch):5.35*12.91*1.9(F)



- **IPX821 Series**

- 720P fisheye lens
- Modularization
- Voice Prompt
- Easy Configure
- Fingerprint Proof Stainless Steel
- IP54 Proof

LxHxD(inch):5.24*9.13*1.34(2 GANG)

LxHxD(inch):5.24*12.44*1.34(3 GANG)

2EASY-IPX SYSTEM

IPX Network

• Indoor monitors



- **IPX439**
- 4.3" TFT
- Touch screen
- Touch sensor key
- Glass panel
- LxHxD(inch):5.39*5.39*0.7



- **IPX471**
- 7" TFT
- Touch screen
- Touch sensor key
- Orientation dot
- LxHxD(inch):6.85*6.34*0.87

• Accessories



- **PoE Switch**
- Unmanaged type
- 4 or 8 PoE outputs
- 10/100Mbps RJ45 ports



- **IPX471-HS (Guard Unit)**
- 7" Touch screen
- Handset and hands free mode
- Wall mounting or desktop(Optional)



non-polarity

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