



**2-Wire Video
Intercom System**



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2019~2020 Catalogue(V2)



Holars AB / Holars AS

Holars sells/distributes security products through installers & resellers in Norway and Sweden. Holars started with selling security products 1976 in Norway. After 40 years in the security market we now have a wide range of solid security products.

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Door station

P6



Intercom monitor

P12



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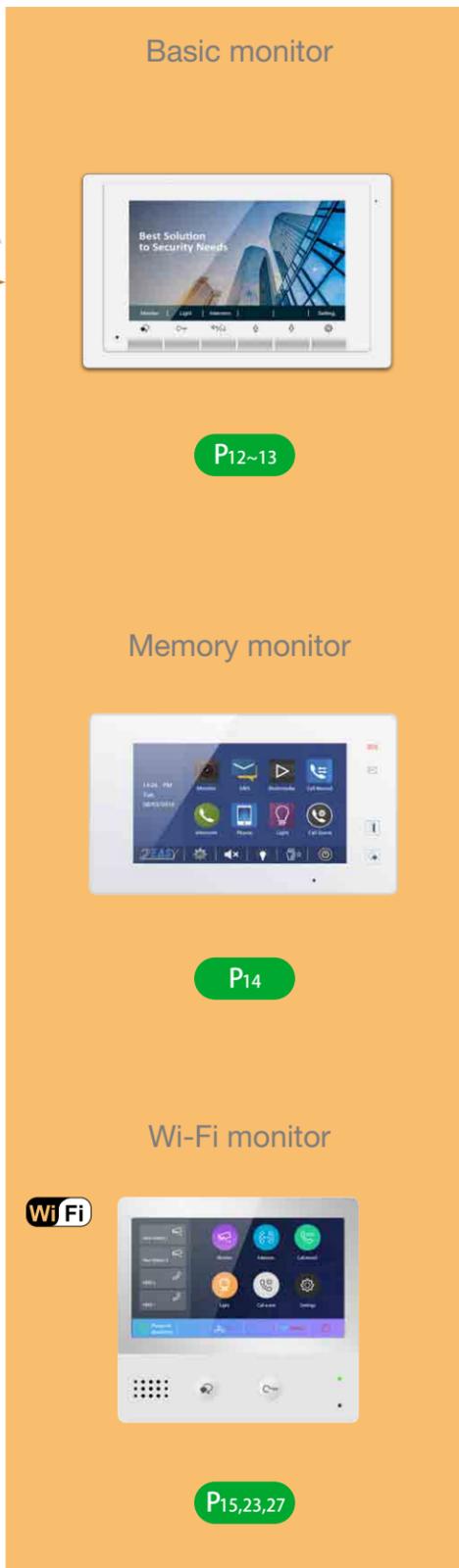
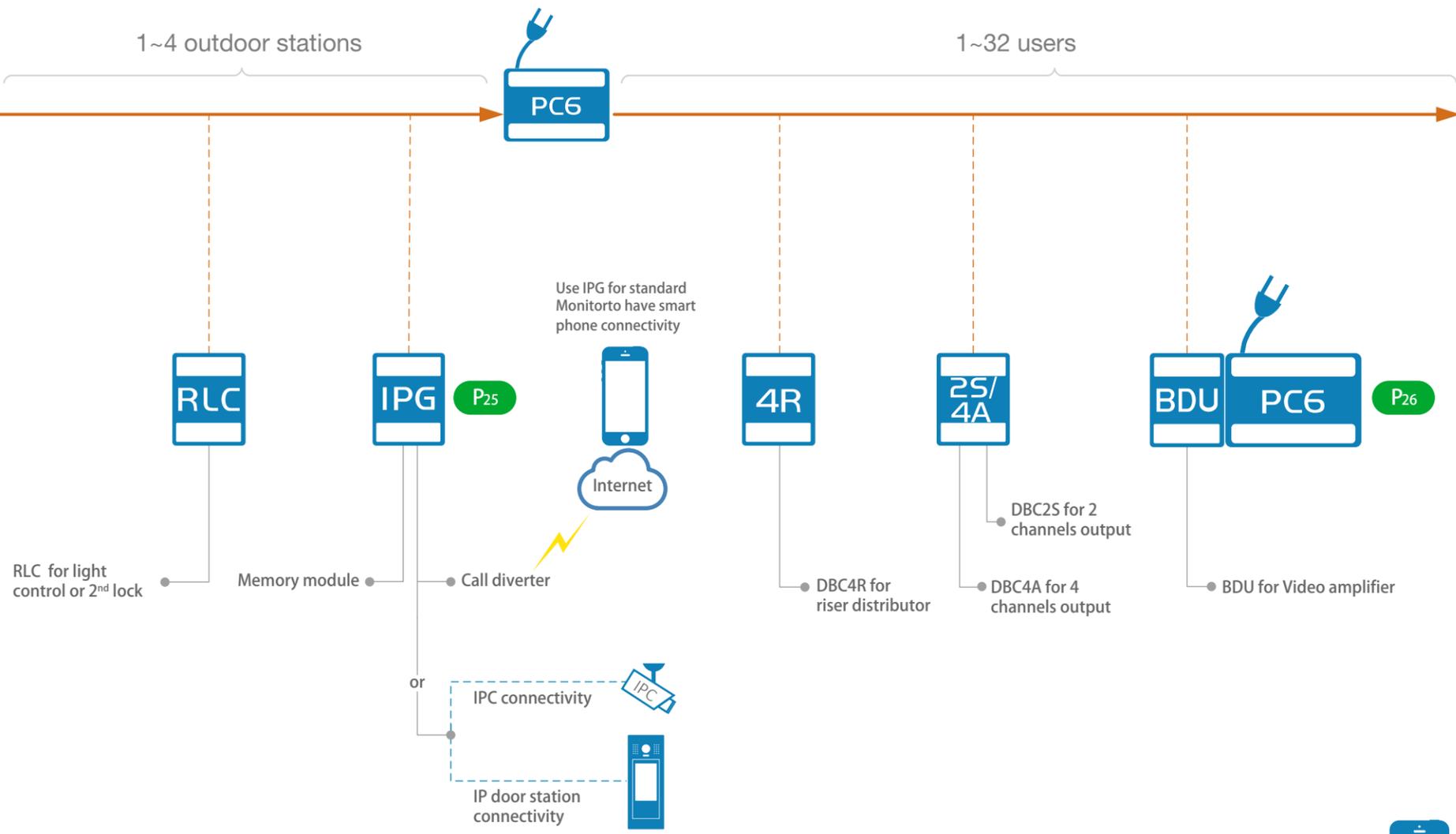
DT821

P11

DT821 full modular door station



General Layout



- 2 Wire cable
- 2 Wire connection with functional accessories
- UTP cable
- All in One **2-Wire**
- Non Polarity
- Central Power Supply
- DIP Setting

PC6

1 2 3 4 5 6

DX monitor will use each home wifi to connect smart phone

Basic Villa Door Station



- 105° or 170° fish eye lens

DT610

- Compact design
- Aluminum front panel
- Big backlit push button
- IP44 weather proof



- 105° camera lens

DT603F Series

- Stainless steel panel
- Flush version
- 1~2 push buttons choices
- IP44 weather proof



Access villa outdoor station



- 105° or 170° fish eye lens

- Proximity access



- 105° or 170° fish eye lens

- Password access control(Mechanical key button)



1~4 push buttons

DT607 Series

- Surface & Flush versions

- Zinc alloy panel(surface)
- Stainless steel panel(flush)
- 1~4 push buttons choices
- IP54 weather proof



1~4 push buttons



DT611/MK

- Mechanical key access

- Stainless steel panel
- Access control window
- Surface & Flush versions
- IP54 weather proof



DT611/ID

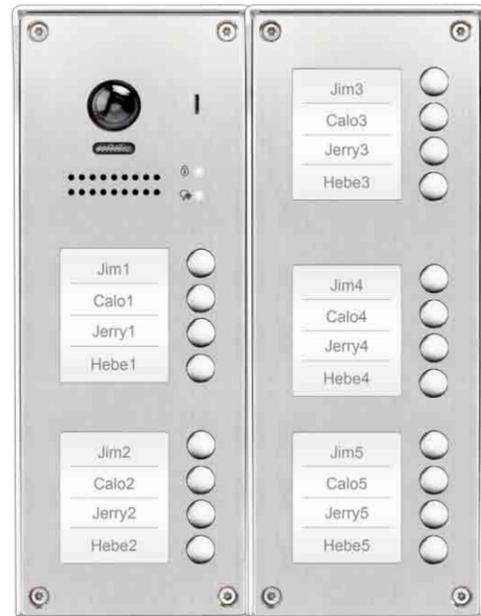
- Card reader access



DT611/KP

- Touch key access

Advanced apartment outdoor station



- 105° or 170° fish eye lens
- Voice prompt
- Proximity access

DT608 EP608 extension

- Stainless steel panel
- Big nameplate
- 4~32 push buttons
- Surface mounting
- IP54 weather proof



- 170° fish eye lens



- Fingerprint proof stainless steel



- Modularized

DT821 Modules



821/VD
Video intercom



821/AD
Audio intercom



821/TFT
TFT display



821/S4
Push button



821/MK
Mechanical key



821/LB
Light block

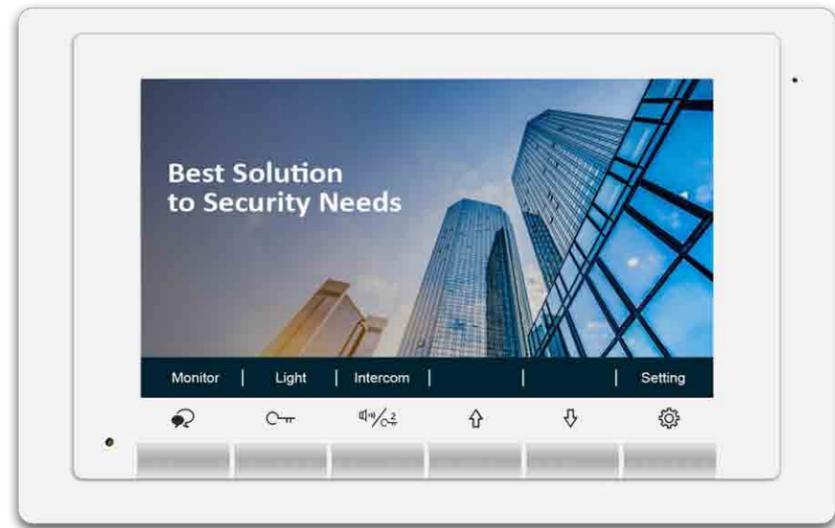


821/DR
Card unlock



821/BL
Blank block

Basic indoor monitor



- Memory & IPC surveillance & Call diverting via DT-IPG module



- Memory & IPC surveillance & Call diverting via DT-IPG module

DT17S

- 7 inch TFT touch screen
- Ultra thin to 17mm
- Sensitive touch key operation
- * No anti-disturb function

Optional 4.3 inch DT433



- No bracket mounting
- * No anti-disturb function

DT471

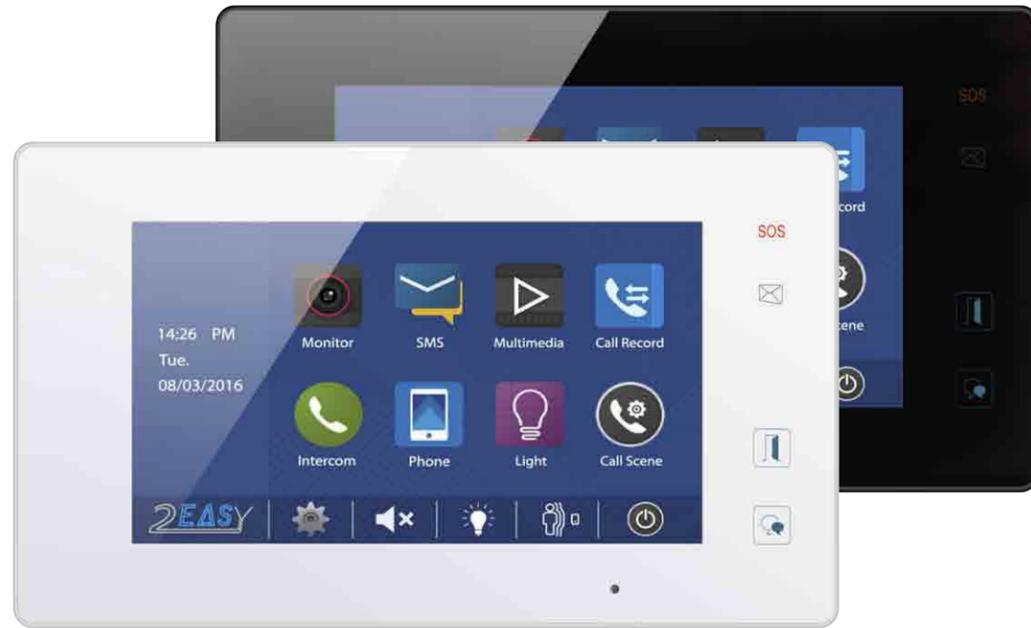
- 7 inch touch TFT
- Blind orientation dot

Optional 4.3 inch DT437



- PMMA panel
- OSD menu

Memory monitor



- Voice message
- SMS
- Max.20 languages

DT47MG

- 7 inch touch TFT
- Ultra-flat front panel

Optional Wi-Fi version DX47



- Call diverting
- Wi-Fi connectivity

DX471

- 7 inch touch TFT
- Blind orientation dot



- Call divert
- Private IPC connection
- Memory recording

Optional 4.3 inch DX439



- 4.3 inch touch TFT
- 3mm glass front panel

Outdoor Station List

- Basic villa outdoor station **P6**



DT610



DT603

- Access control outdoor station **P8**



DT607-S1



DT607-S2



DT607-S3



DT611-MK



DT611-KP



DT611-ID

- Apartment outdoor station **P10**



DT608 & EP608



DT821 Series

Indoor Monitor List

- Basic monitor **P12**



DT433



DT17S

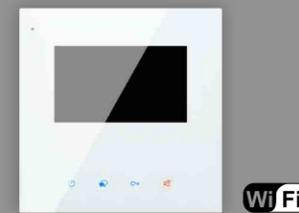
- Wi-Fi and Memory monitor **P14**



DX471



DT471MG



DX439



Accessory List

• Power Supply



PC6B Power combo
28V DC 1.5A outputs, 6 din rail



HDR-30 Power supply with DPS power separator
24V DC 1.5A outputs, UL



PC4 Power combo
24V DC 0.75A outputs, 4 din rail, villa kits only

• Branch Distributor



DBC4A1 Branch distributor
4 channels used for multi outdoor stations or indoor monitors, isolated in each channel, 4 din rail



DBC4R Branch rise distributor
Rise line distribution, 4 channels, max.8 monitors per output, general isolation, 4 din rail



DBC2S Branch distributor
2 channels used for multi outdoor stations or indoor monitors

• Amplifier and Gateway



DT-BDU Bus amplifier
Repeater mode for video amplifier, 4 din rail



DT-IPG IP Gateway
IP converter, public memory, call diverting, 4 din rail

• Actuator and Handset



RLC Relay actuator
Actuator for 2nd lock control or stair light control, 4 din rail



DJ401 Handset
An independent gadget for privacy conversation, connected to 2-Wire monitor as a peripheral handset
Suitable for DT437, DT17S, DT471

• Audio Phone



DJ4A Handset audio phone
Aluminum front panel, door bell connection
Dimension:187(L)x97(W)x33(H)mm



DJ7A Hand free audio phone
Aluminum front panel, door bell connection
Dimension:138(L)x90(W)x18(H)mm

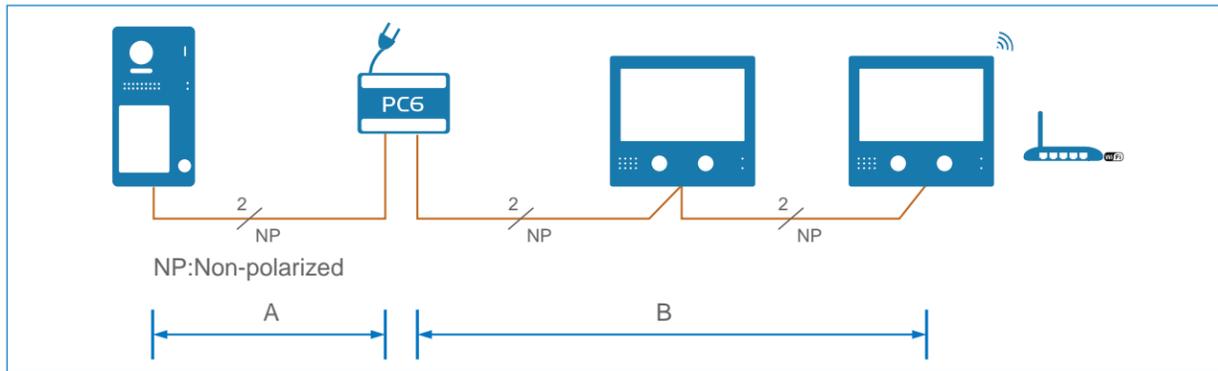
• IP Camera



IPC-B Bullet IP camera
ONVIF protocol, 1/2.9" SONY, CMOS, IR, IP66
Dimension:179(W) x 94(H) x 93(D)mm

Diagram in villa application

Connection Diagram



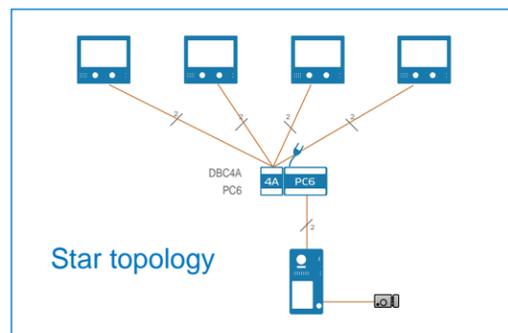
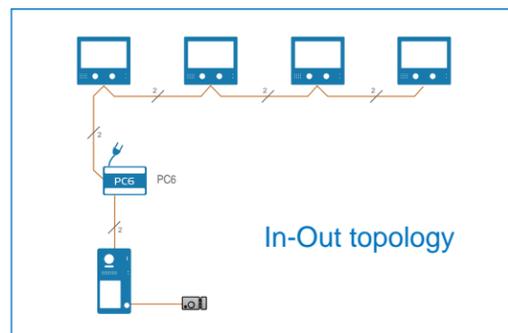
Cable and Distance

Cable	A(m)	B(m) ≤ 2 IM*	B(m) ≤ 16 IM*
CAT5 Cable (Combined)	40	80	—
Pair Cable (Parallel) 2X0.75 mm ²	30	50	—
Twisted Cable 2X0.75 mm ²	60	100	40
Twisted Cable 2X1.0 mm ²	80	120	60

*IM means Indoor monitor.

Bus amplifier could extend the distance or strengthen signals while cable is too thin.

Extending Monitors(up to 8)



Extending Door/CCTV Cameras

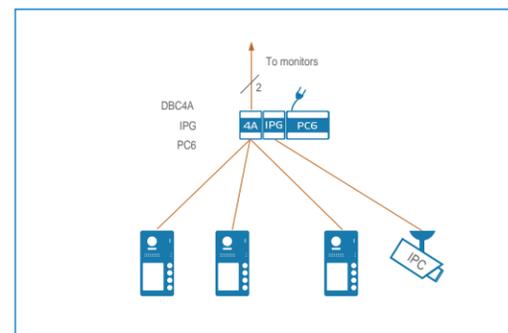
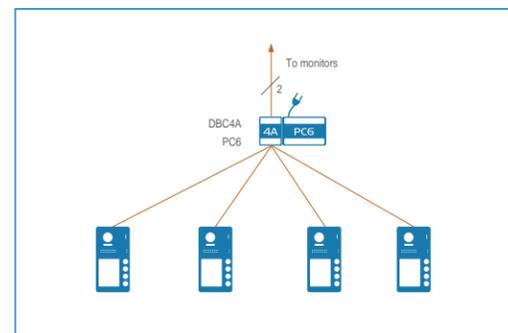
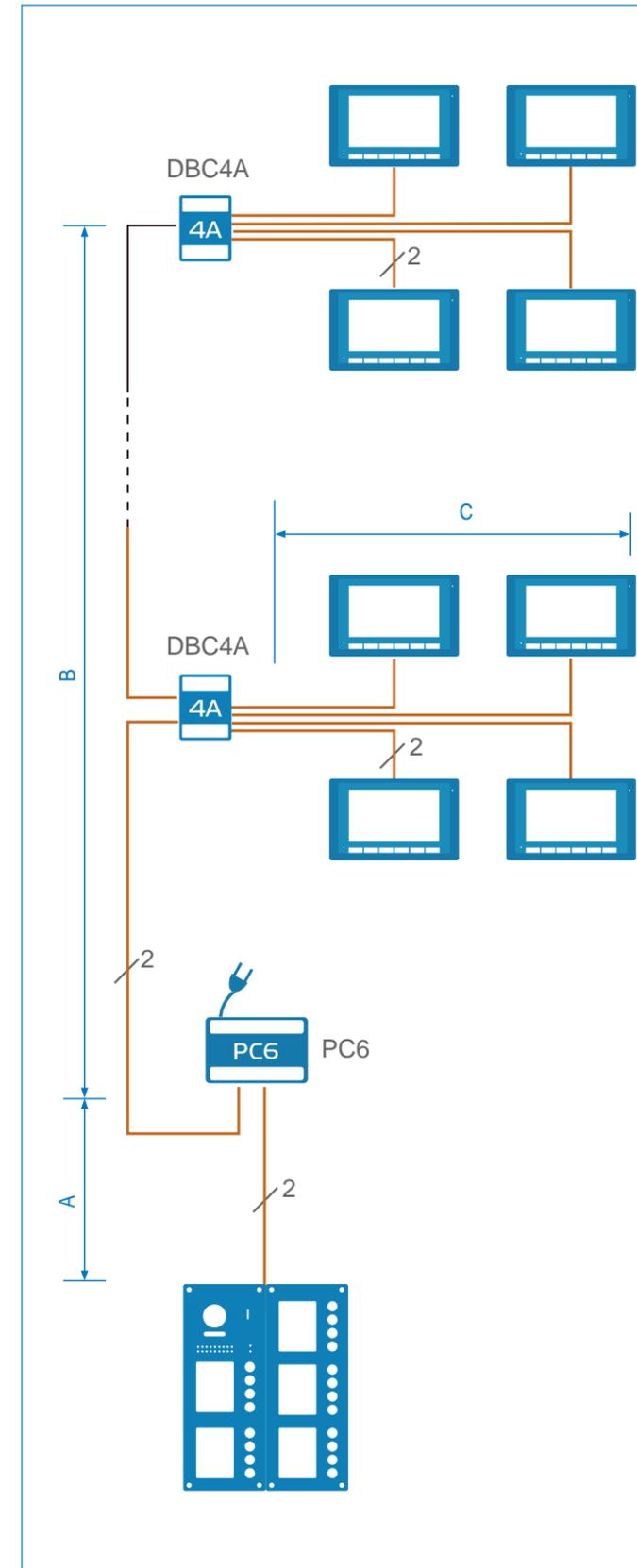


Diagram in apartment application

Connection Diagram



Cable and Distance

The maximum distance of the wiring is limited in the DT system. Using different cables may also effect the maximum distance of the system can reach.

When Monitor Quantity < 20

Cable Usage	A	B	C
Twisted cable 2x0.75mm ²	60	60	30
Twisted cable 2x1 mm ²	80	80	40

When Monitor Quantity ≥ 20

Cable Usage	A	B	C
Twisted cable 2x1 mm ²	70	30	20
Twisted cable 2x1.5 mm ²	70	50	30

Cables should be non-shielded! And the twisted cables are recommended, if non-twisted cable is used, the total distance will remain only to half.

Villa Kit with Wi-Fi monitor

DX471 Wi-Fi Monitor

- SIP call Divert function to smart phone APP
- Support the 3rd party APP
- Onvif IP camera surveillance
- Picture memory or video recording
- Favorite list for convenient play



DT611/MK Outdoor station

- 170° Fish eye camera
- Pan-view control
- Access control via keypad
- Surface mounting via rainy cover

KIT Package

- 1* DT611 door station
- 1* DX471 Wi-Fi monitor
- 1* PC6 Power combo.

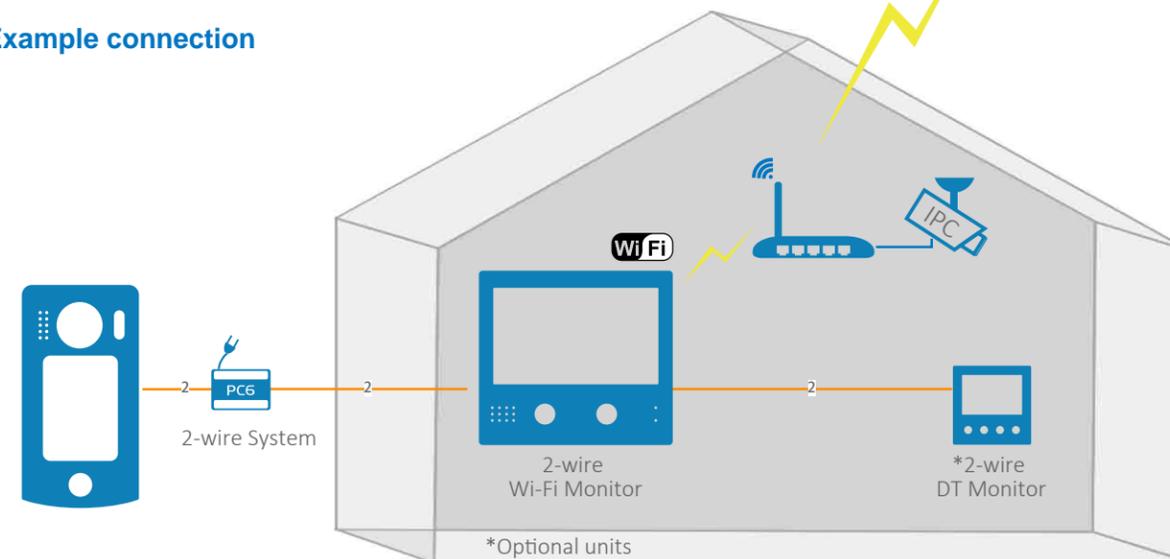


2-Easy APP control

- Receive a call
- Conversation with visitor or family member
- Remotely release lock
- Remotely monitoring door station



Example connection



2 Easy APP



- Download APP from APP store or Google market
- IOS 10+ or Android 7+

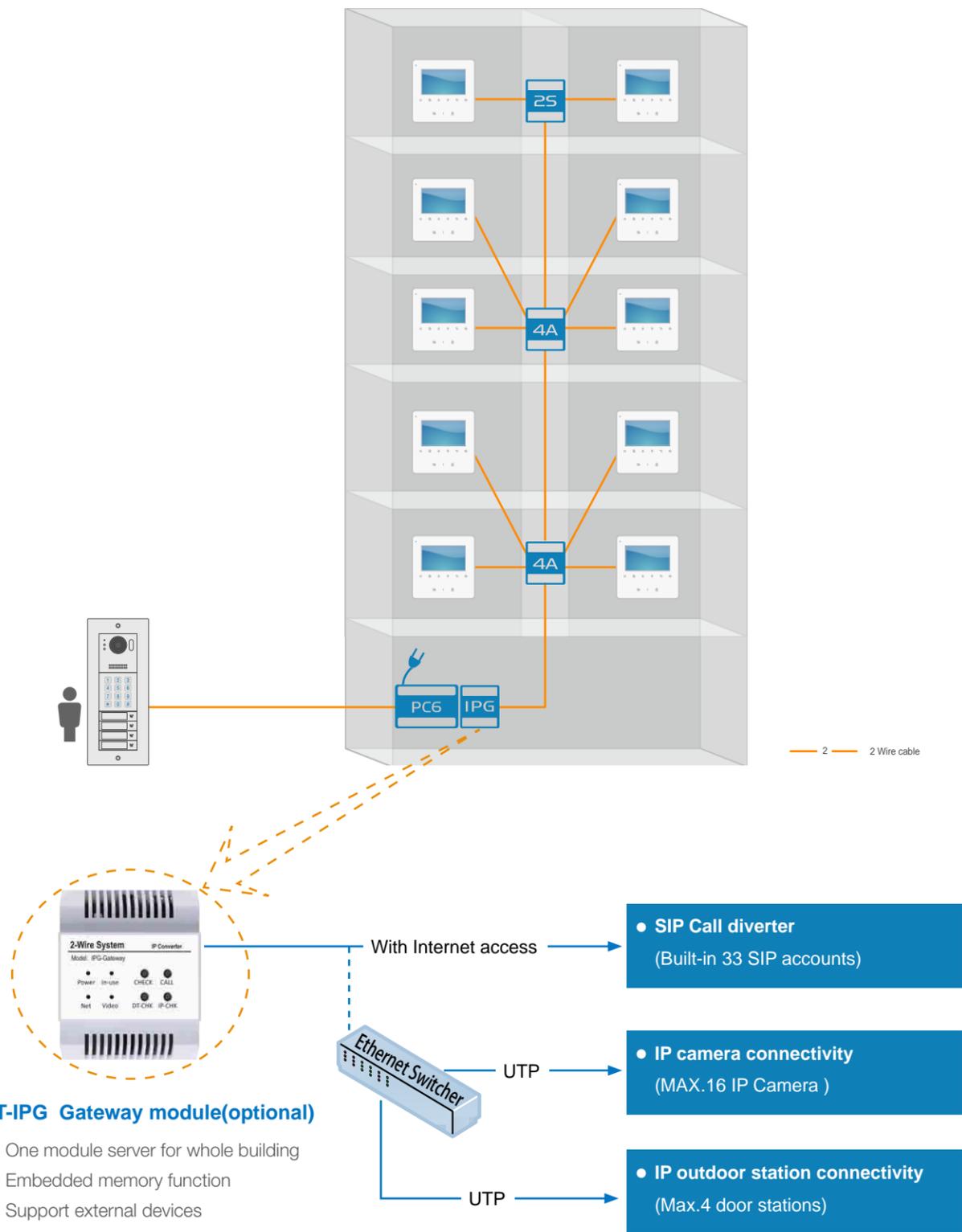


QR scanning for registration

- Max.5 phones registration per user

Standard building with IPG application

Example connection



DT-IPG Gateway module(optional)

- One module server for whole building
- Embedded memory function
- Support external devices
- 6 Din-rail

With Internet access

- SIP Call diverter (Built-in 33 SIP accounts)
- IP camera connectivity (MAX.16 IP Camera)
- IP outdoor station connectivity (Max.4 door stations)

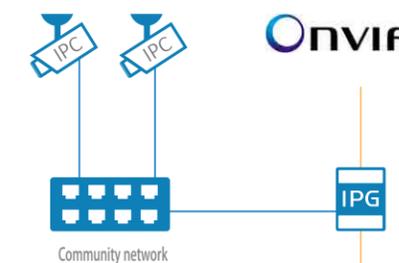
• Memory storage

- Plug and play connection
- Embedded 128M flash for picture memory
- Video recording while a max.32G SD card is inserted
- Auto-delete memory beyond of 30 days
- 320 JPG by inner flash or 4000 WAV visa 32G SD card



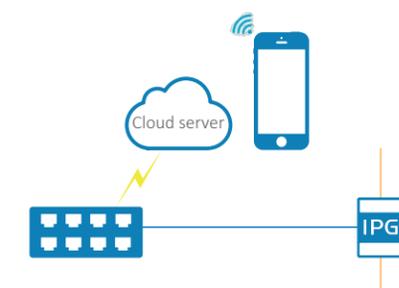
• IP Camera connectivity

- Support standard ONVIF® IP Camera
- Could share IP Camera with NVR system, non-interfering
- Users could check different IP Camera by selected.
- Switch and view camera during call from door station.
- Maximum 16 IP Camera supported



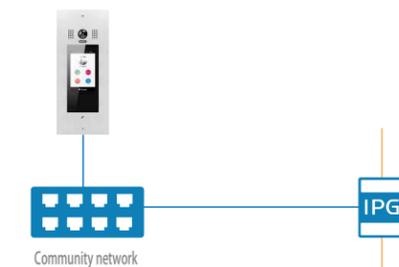
• Call diverting to mobile phone

- Divert calls to mobile via 2Easy or VOIP app even with normal 2-Wire monitors.
- Built-in 33 SIP accounts for maximum 32 monitors, also could replace with 3rd SIP account via SD card.
- Calls back to monitor while divert failure.
- Able to force to break diverting from monitor



• IP door station connectivity

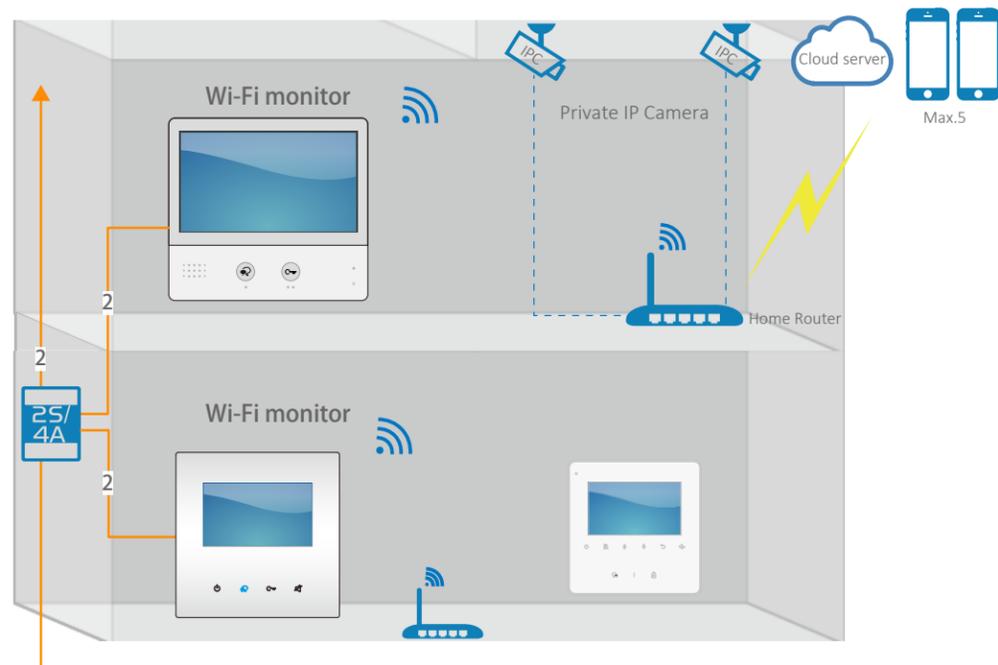
- Mixed system with IP door station
- PoE switch is a must for power supply to door station
- Advanced functions from door station



Building system with Wi-Fi monitor

Max.8 Wi-Fi monitors in standard mode

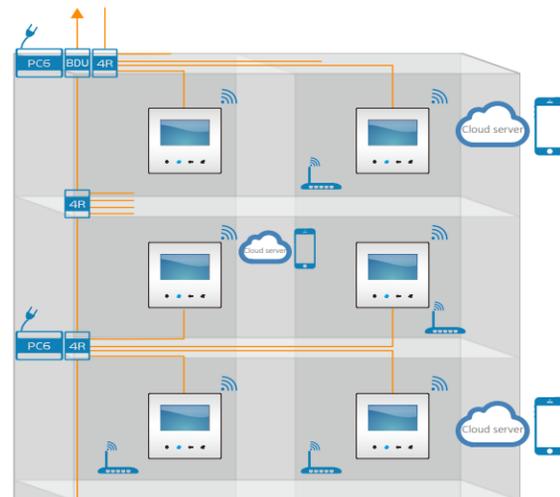
- One central power supply
- Standard distributor
- Total 32 users



Max.32 Wi-Fi monitors in amplifier mode



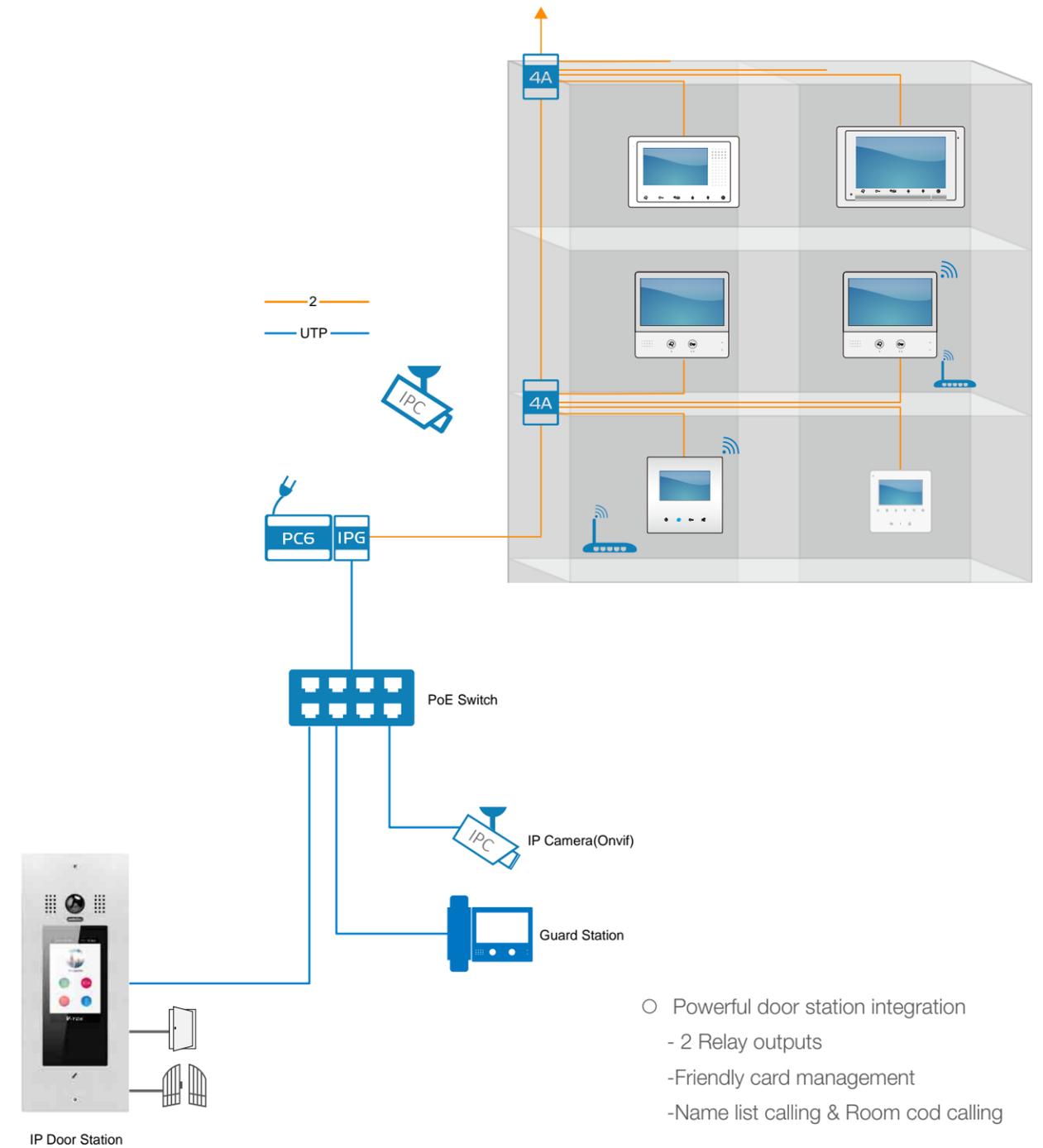
- Auxiliary power supply
- Riser distributor
- Bus amplifier



Mixed with 2Easy-IX system

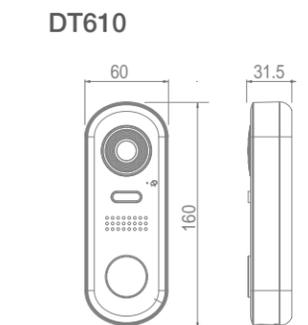
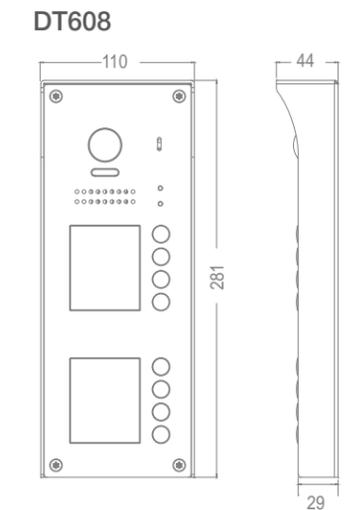
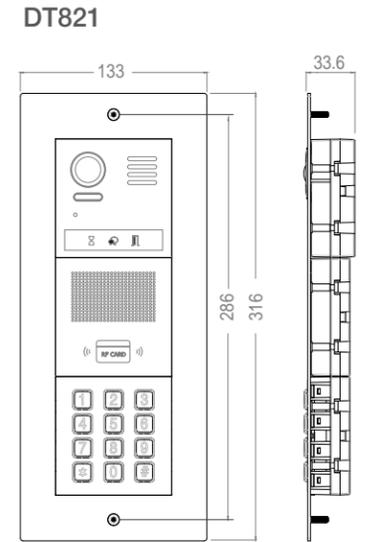
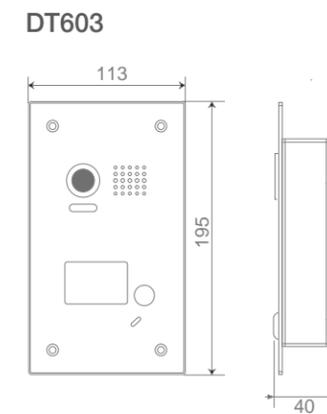
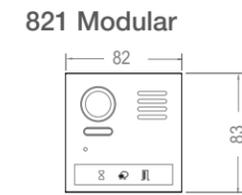
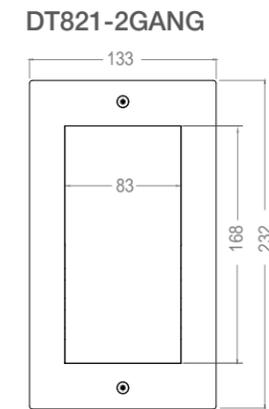
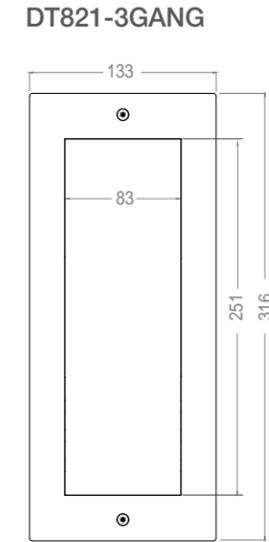
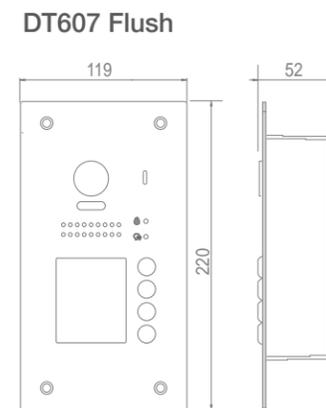
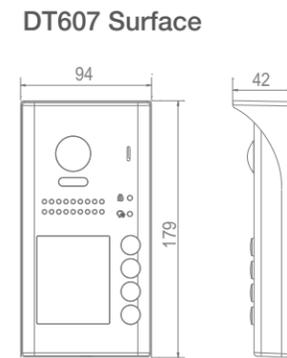
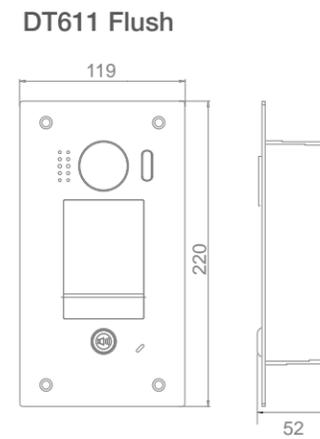
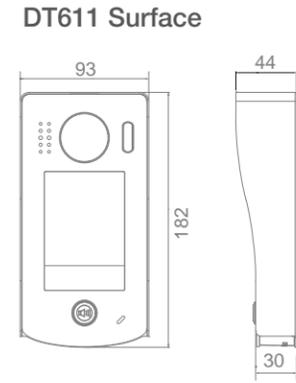
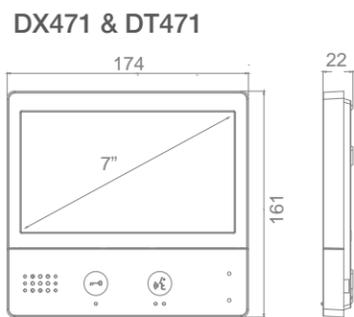
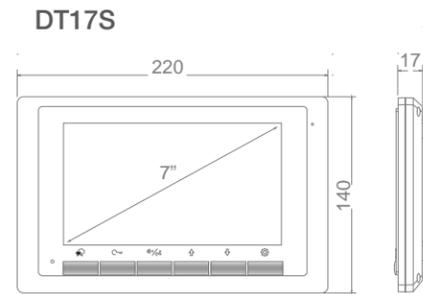
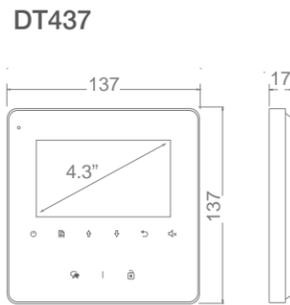
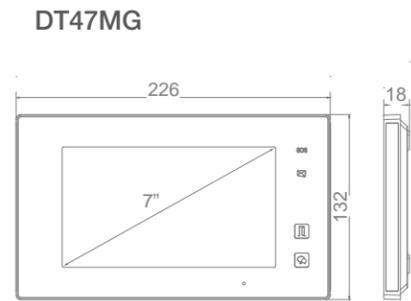
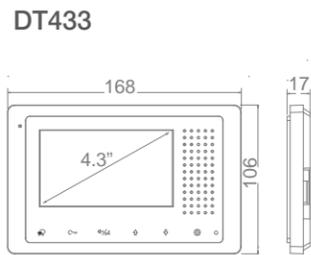
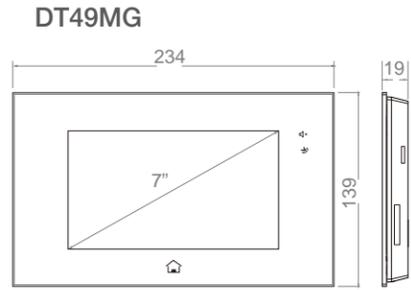
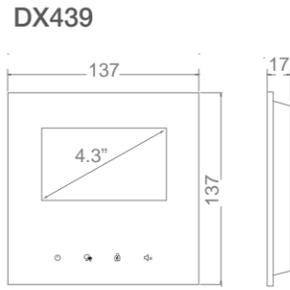
IP door station connection via DT-IPG gateway

- 2 Wire internal bus with external IP wiring
- IP outdoor station integration
- IPG gateway module is a must



- Powerful door station integration
 - 2 Relay outputs
 - Friendly card management
 - Name list calling & Room cod calling

Dimension



NOTES

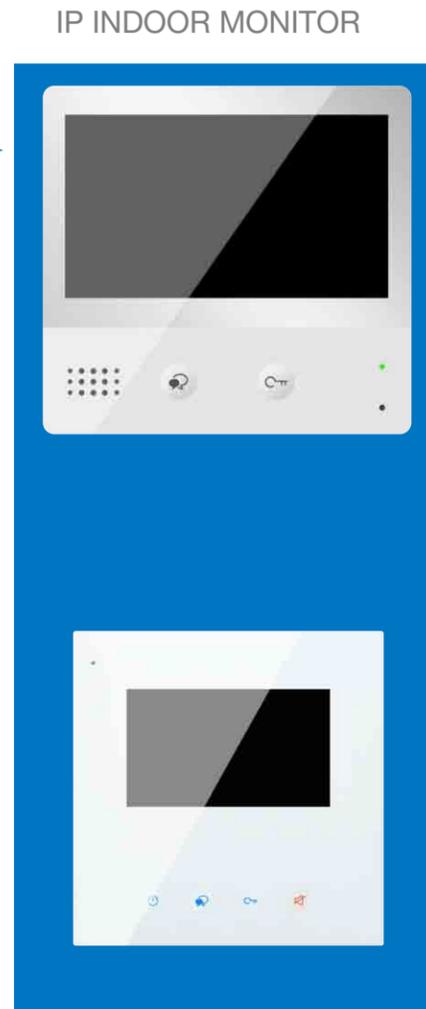
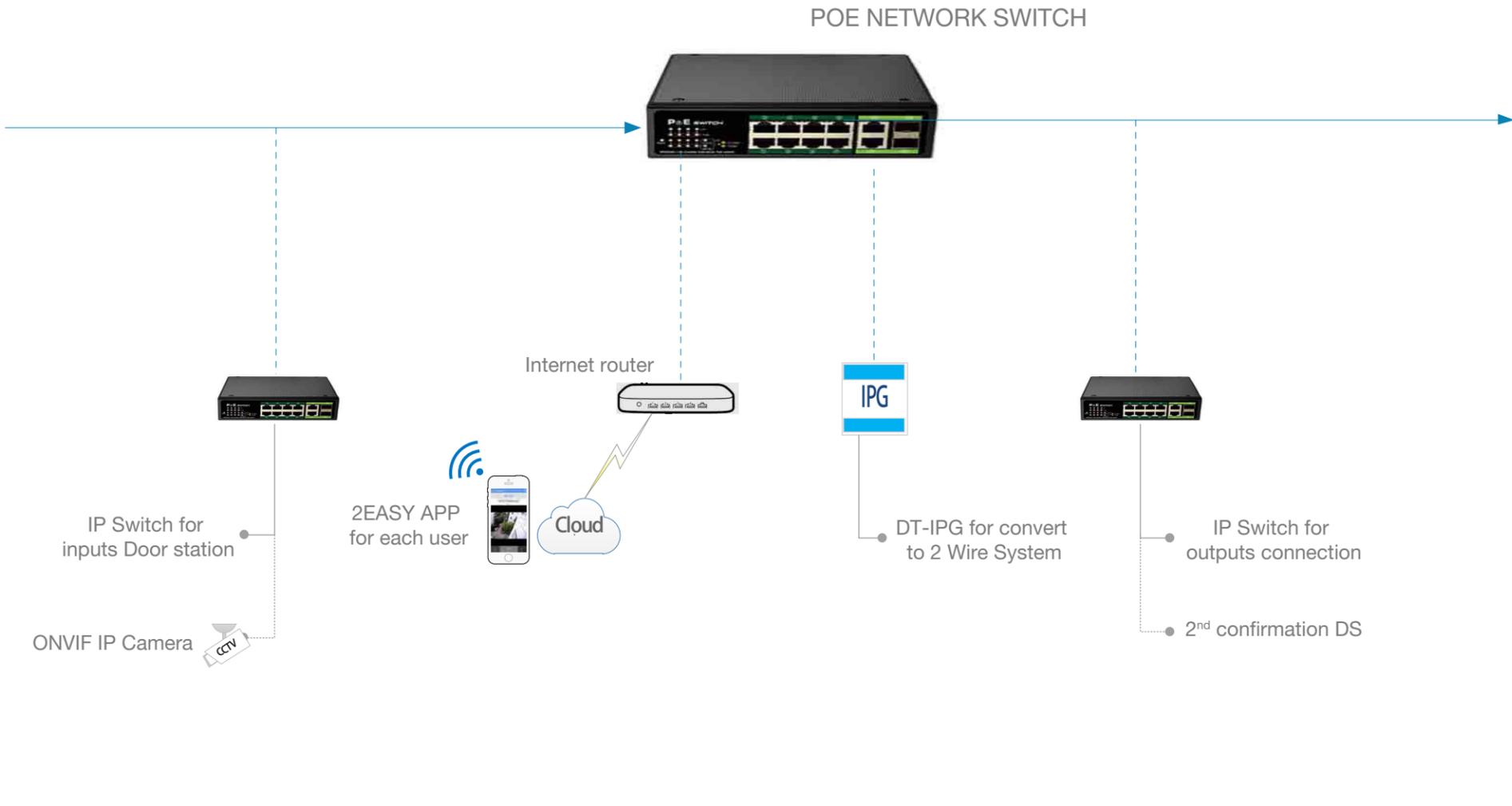
A series of horizontal dotted lines for writing notes.

NOTES

A series of horizontal dotted lines for writing notes.

General system layout

IX Digital SIP Video Intercom System



- 
 —————> UTP cable
 - - - - - UTP cable for extensions
- 
 One Cabling System
- 
 POE Power Supply
- 
 Easy Programming
- 
 Multi V/A Channels
- 
 Call Diverting

IX 601 IP outdoor station

- 105° or 170° Fisheye lens
- Big call button with backlit
- Call diverting to cell phone

IX 471 7 inch IP indoor monitor

- Touch screen
- Picture memory
- Cycle surveillance

Configuration List

	Outdoor Stations	Indoor monitor	Power supply
Villa IP kit	IX 610 IP Door Station	IX471 7 inch IP Monitor	4 channels IP Switch
	IX 607 for chose	IX439 4.3 inch Wi-Fi Monitor	POE IP Switch
Options	ONVIF IP Camera		8 channels IP switch
Optional servies	Connected with Internet Router for call diverting to cell phone		

Example connection

- Max.8 channels simultaneously
- 2nd confirmed door station
- ONVIF IP Camera
- Call diverting

Configuration List

	Outdoor Stations	Indoor monitor	Power supply
	IX 850 IP Door Station	IX471 7 inch IP monitor	4 channels IP Switch
Capacity	Max.16, including 2 nd confirmed door station	Max.32 users	
Options	ONVIF IP Camera	ONVIF IP Camera	8 channels IP switch
Distance rules	CAT5e: Max.100 meters from Devices to Switch Max.30 meters from Switch to Switch Max.150 meters from IP Switch to Network Switch w/o fiber transmission)		



IX 850

- 5 inch touch TFT display
- 304 stainless steel panel
- Flush mounting
- RJ45 connection

Features

- 170° fisheye camera lens
- Password & Proximity access control
- SIP call provider(Embedded 32 pairs)
- Room code or name list calling
- Synthesis language reminder
- Echo cancellation

• Villa door stations list

IX601



IX607

• Apartment door stations list



IX608
EP608



IX850

• Indoor monitors list



IX439 4.3"



IX471 7"

• Accessories list

