



# 2 EASY DH Catalog

2 wire digital intercom system



Video-tech is a professional 2 wire & IP video intercom manufacturer



NY WHOLESALE INTERCOM CORP

•

CE FC

RoHS REACH



# 2Easy DH System

Based on IEEE 1901 HomePlug AV technology, delivering stable HD video, full-duplex audio, and flexible 2-wire installation for modern buildings.

∞ Non-polar 2-Wire Bus Digital Topology · FHD Video Intercom Solution



### No distributor needed

Wires can be directly spliced for star or daisy-chain connection.



### Cable Running Free

No fixed wiring order—connect door stations, monitors, and power supply on the bus anytime.



### Full High Definition

Supports up to 1080p FHD video for sharp, vivid calls.



### Full Duplex Audio

Door station and monitor can talk and listen at the same time.



### Plug and Play

No IP address or network setup needed; plug and play operation.



### Multi-Channel Calling

Supports up to 4 communication channels at the same time.

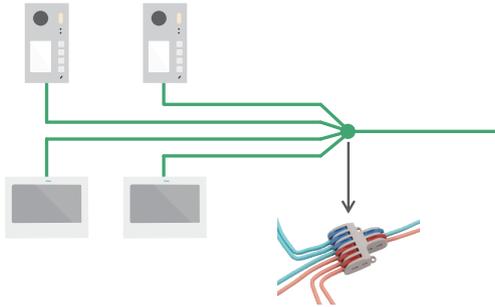




## Why choose 2Easy DH system?

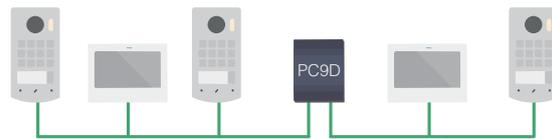
### Easy Wiring

No distributor needed



Terminal blocks or simple splicing only

No topology limitation



Star, tree, daisy-chain (in-out), or mixed topologies

### Easy Image

FHD 1080P wide-angle video



↑  
HD 720



Starlight night vision



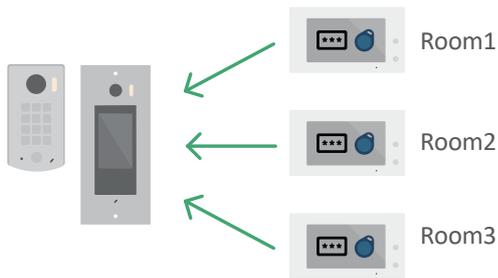
↑  
Naked eye





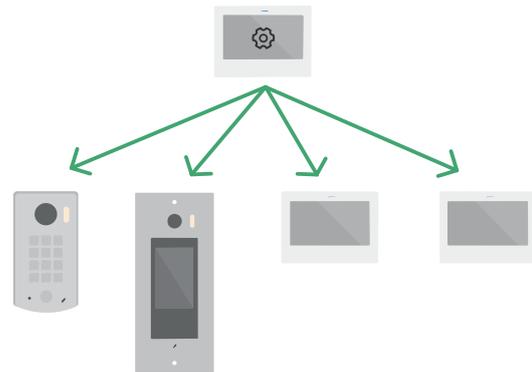
## Easy Configuration

### Self-managed access control



Passwords/cards can be managed on the monitor

### One-monitor setup for all devices



Unlock time/key settings for screen-less stations

## Easy Expansion

### Extra camera integration

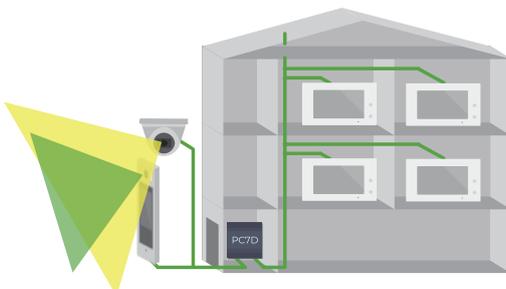


Picture-in-picture (PIP) viewing

### Mobile App extension



Supports the TUYA, TUYA-OEM apps and VDP Connect app

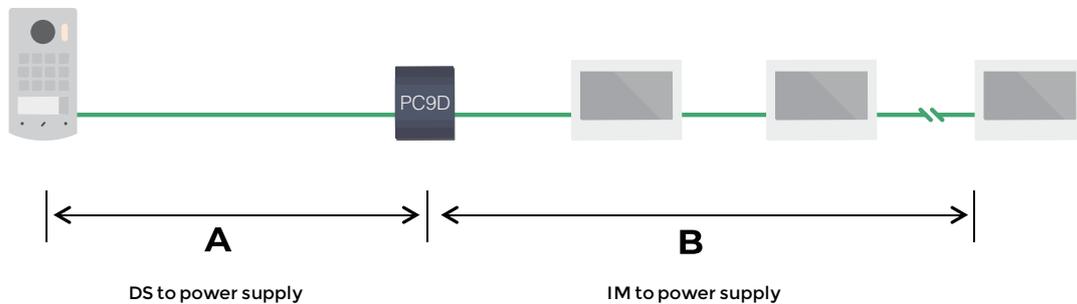


DH-CAM anywhere on the 2-wire bus





## Typical Wiring Diagram

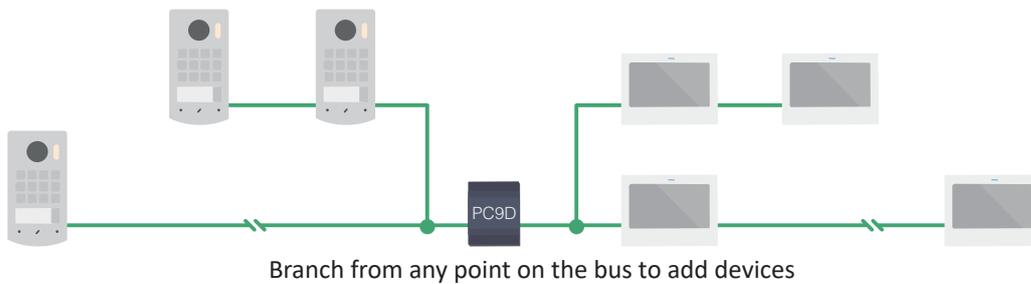


Cable Type	A	B
2 x 0.75 mm <sup>2</sup> Twisted Cable	65 Meters	100 Meters
2 x 1.00 mm <sup>2</sup> Twisted Cable	75 Meters	120 Meters
UTP cable (4 + 4 Combine)	65 Meters	100 Meters



## Expand to multiple door stations & monitors

Support all topologies, including branch to In-out wiring

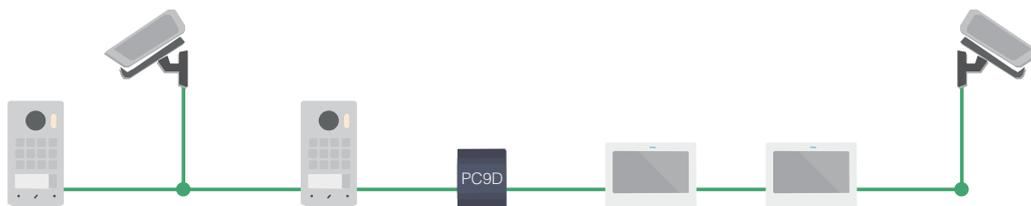


No fixed order or location is required for any device installation



## Extend additional camera view

Add [DH-CAM]: anywhere on the 2-wire bus(Max 8 total)





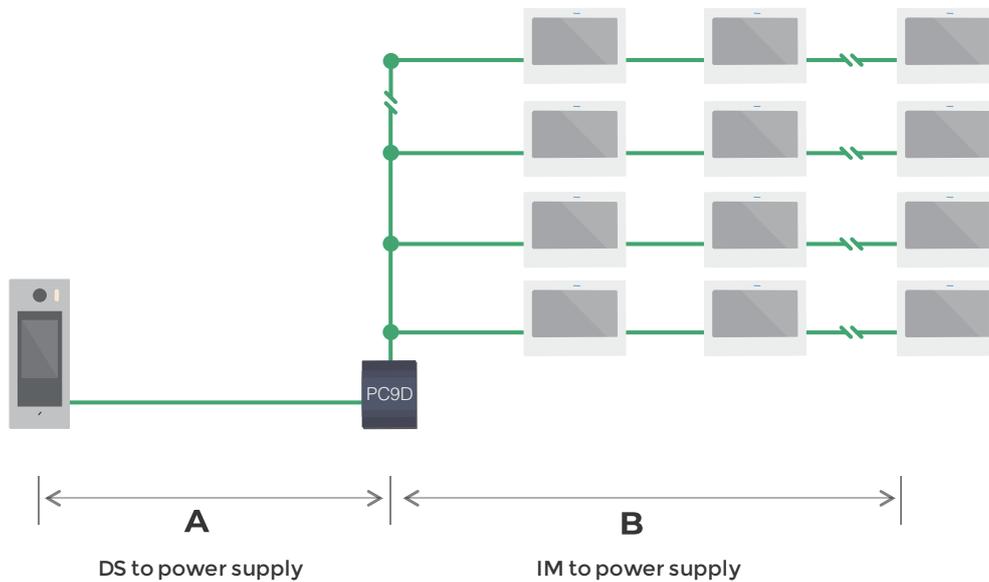
## Small Apartment Topology

Up to 16 monitors

### Capacity

- Up to 4 monitors in one room
- Up to 16 monitors in total
- Up to 8 door stations
- Up to 20 devices in total

## Typical Wiring Diagram



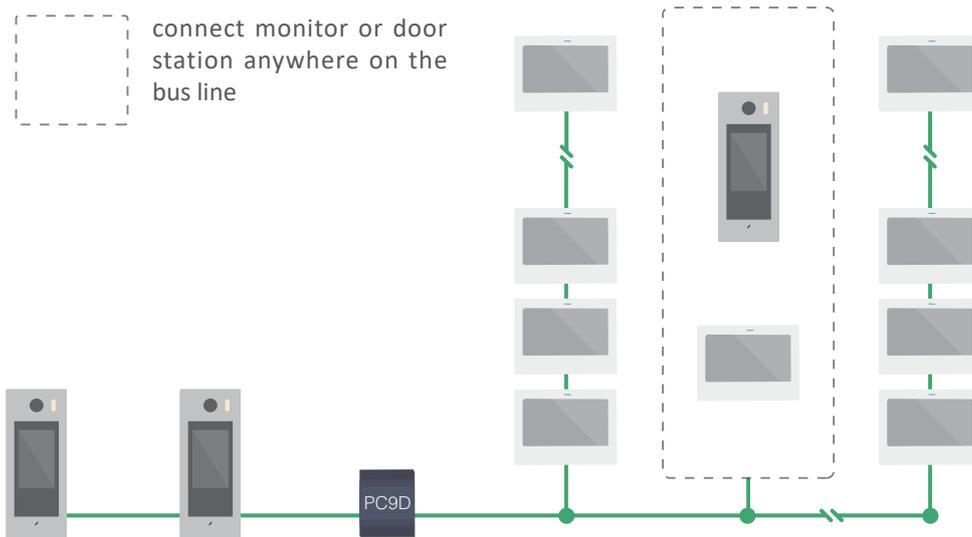
Cable Type	A	B
2 x 0.75 mm <sup>2</sup> Twisted Cable	60 Meters	90 Meters
2 x 1.00 mm <sup>2</sup> Twisted Cable	75 Meters	100 Meters
UTP cable (4 + 4 Combine)	60 Meters	90 Meters

\* Maximum distance limitation: 1 door station with fewer than 10 monitors.

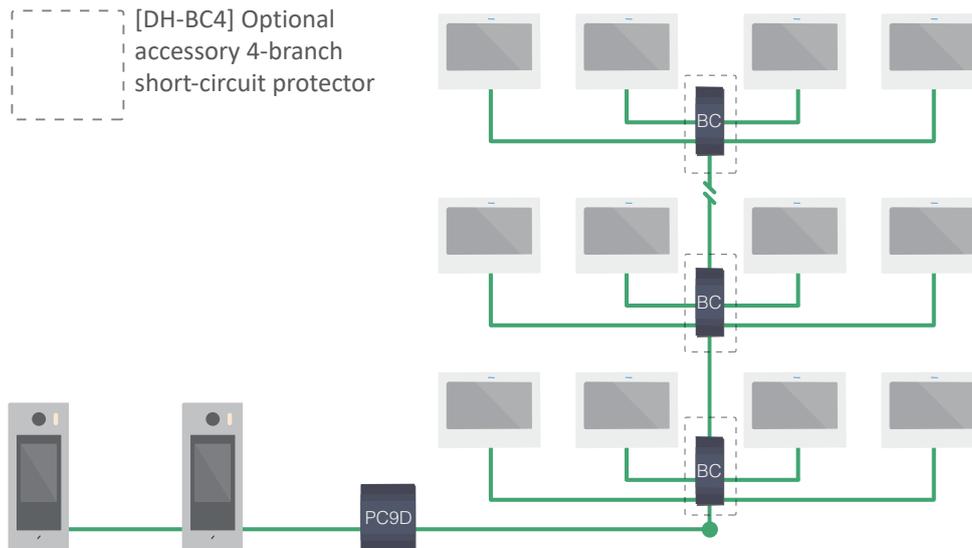


## One power supply only

### Flexible Riser Bus Wiring



### Typical Star Wiring with Protection





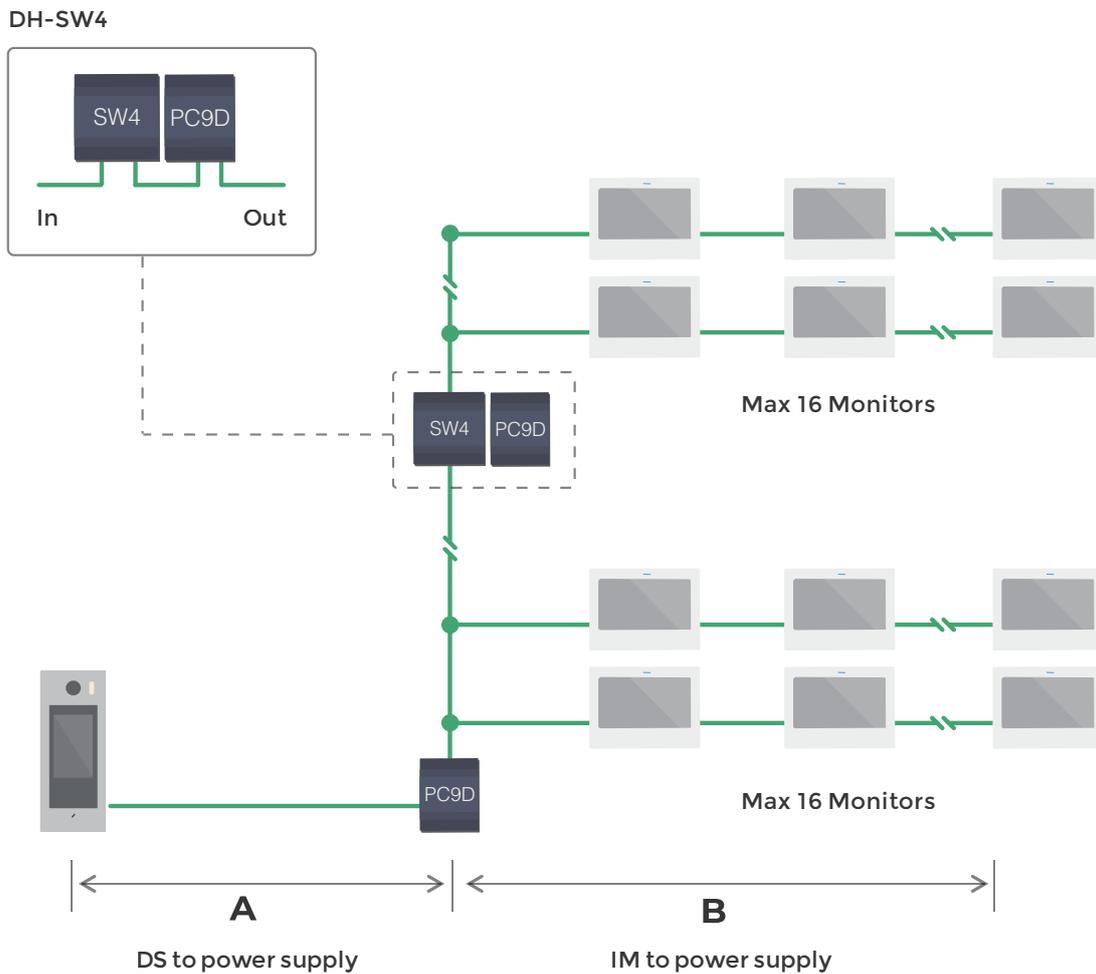
## Large Apartment Topology

Up to 32 monitors

### Capacity

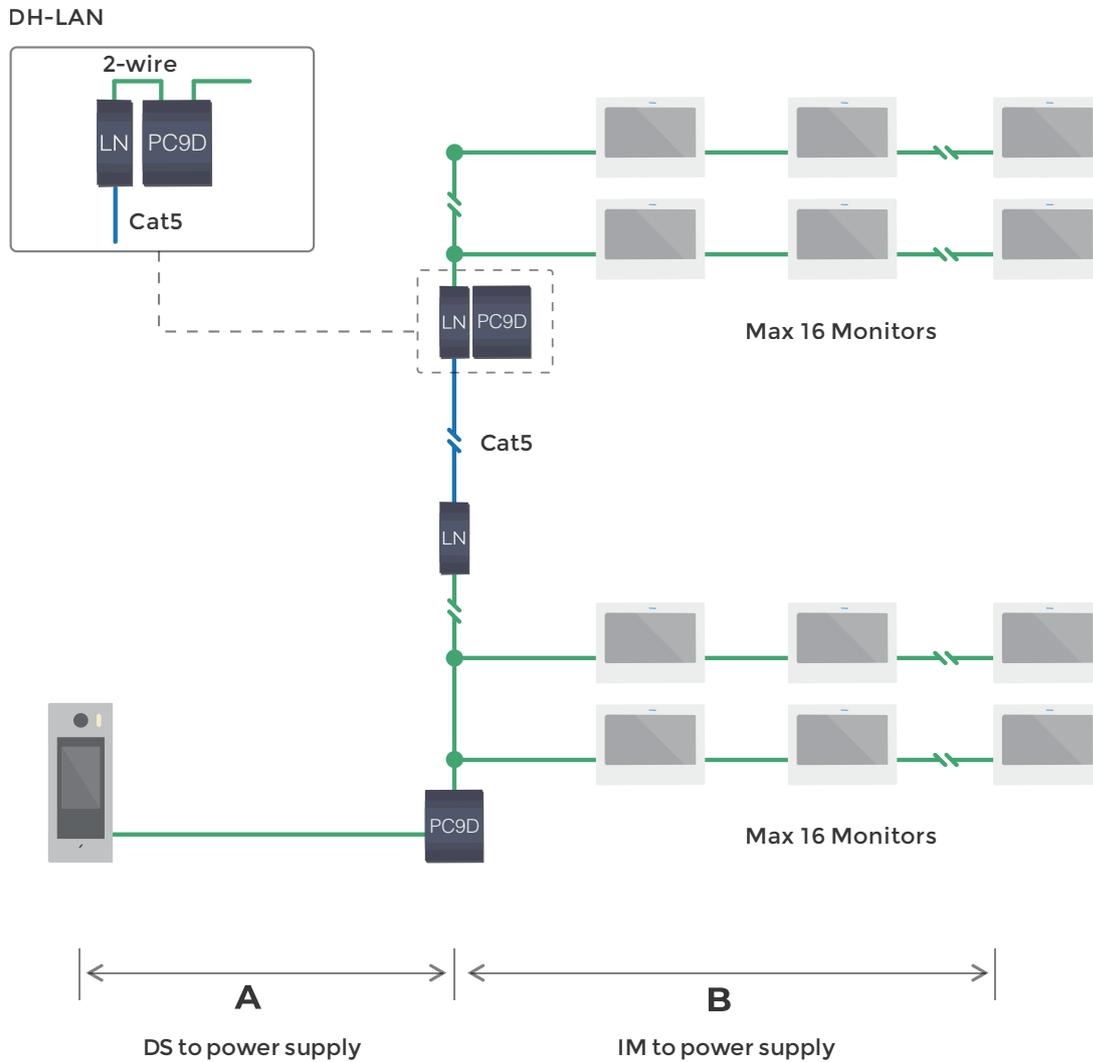
- Up to 4 monitors in one room
- Up to 32 monitors in total
- Up to 8 door stations
- Up to 40 devices in total

## Expansion [DH-SW4] – Full 2-wire wiring





## Expansion [DH-LAN] – Cat5/6/e cable+2-wire wiring



Cable Type	A	B
2 x 0.75 mm <sup>2</sup> Twisted Cable	60 Meters	90 Meters
2 x 1.00 mm <sup>2</sup> Twisted Cable	75 Meters	100 Meters
UTP cable (4 + 4 Combine)	60 Meters	90 Meters

\*Maximum Cat5e/Cat6 cable length between DH-LAN devices is 80 meters.

\*The DH-SW4/DH-LAN to power supply cable length is the same as A.



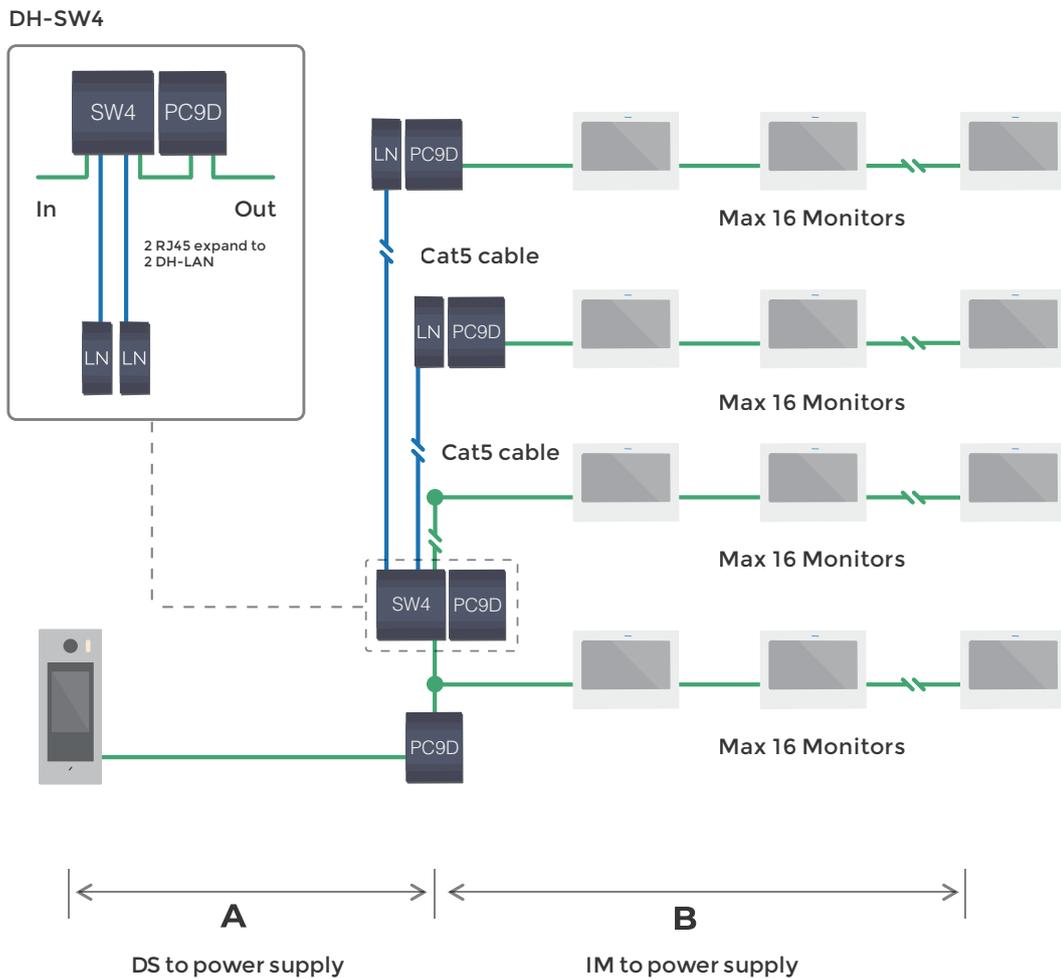
## Max Capacity Topology

Up to 64 monitors

### Capacity

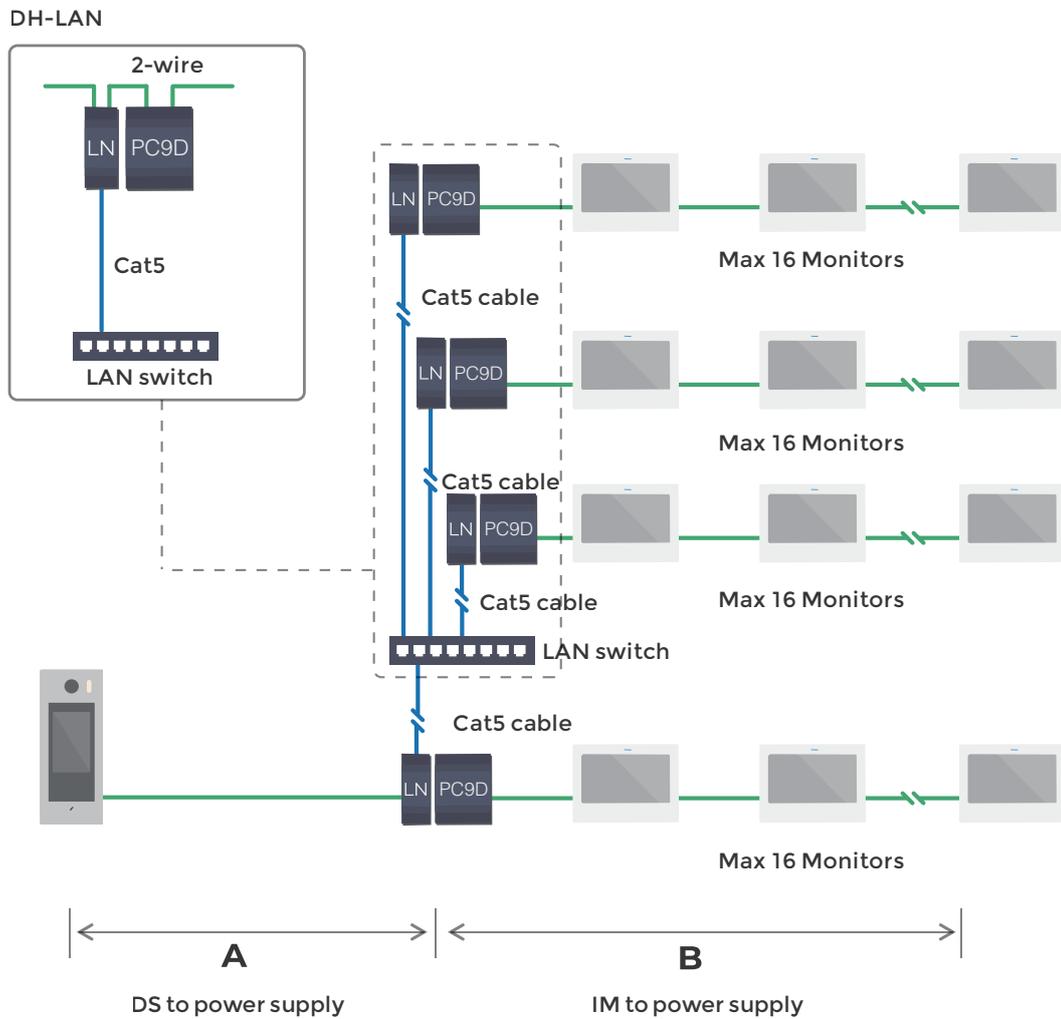
- Up to 4 monitors in one room
- Up to 64 monitors in total
- Up to 8 door stations
- Up to 80 devices in total

### Expansion [DH-SW4]+[DH-LAN] – Cat5/6/e cable+2-wire wiring





## Expansion [DH-LAN]+[LAN Switch] – Cat5/6/e cable+ 2-wire wiring



Cable Type	A	B
2 x 0.75 mm <sup>2</sup> Twisted Cable	60 Meters	90 Meters
2 x 1.00 mm <sup>2</sup> Twisted Cable	75 Meters	100 Meters
UTP cable (4 + 4 Combine)	60 Meters	90 Meters

\*Maximum Cat5e/Cat6 cable length from DH-LAN to DH-SW4 or switch is 80 meters.

\*The DH-SW4/DH-LAN to power supply cable length is the same as A.

# 2Easy DH Door Station



DH618



DH611



DH613



DH622

## Application



OS Single



Single



Single to 4 family



Single to 4 family

## Call method



Button



Button



Button



Button

## Weatherproof

IP54

IP54

IP54

IP54

## Surface Mount



Aluminum



Stainless steel



Stainless steel



Stainless steel

## Flush Mounting



Stainless steel



Stainless steel



Stainless steel

## Display screen



Non-Touch

## Access control



Pin code



Pin code



Card



Card

## Lock



Dry contact



Inner 12V



Inner 12V



Inner 12V



## 2Easy DH Door Station



DH624



DH850



DH851



DH821



Single to 8 family



Apartment to complex



Apartment to complex

Flexible all type of buildings



Multi



Multi



Multi



Multi Button

IP54

IP54

IP54

IP54



Aluminum



Zinc Alloy



Zinc Alloy



Stainless steel



Stainless steel



Stainless steel



Stainless steel



Touch



Touch



Touch



Pin code Card Fingerprint



Pin code Card



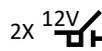
Pin code Card



Pin code Card



Inner 12V



Inner 12V



Inner 12V



Inner 12V

# Door Station Camera



## 2Easy DH Door Station – Camera Options:

	Wide-angle	Fisheye
Default Angle	150°	170°
Resolution	2MP/1080P	2MP/ 1080P
Image clarity	Less angle, sharper image	Wide angle, softer image
Zoom Control	Not supported	Support
Price	Lower	Higher

\*DH618 only supports the Wide-angle Camera (150°)

## Image comparison

Wide-angle-150°



Fisheye-170°



## What is zoom control?

The fisheye 170° camera supports digital zoom.

During installation, you can set the viewing area to show only the desired section and exclude unwanted parts.





## 2Easy DH Villa Door Station

### DH618

Video doorbell



Number of households

1

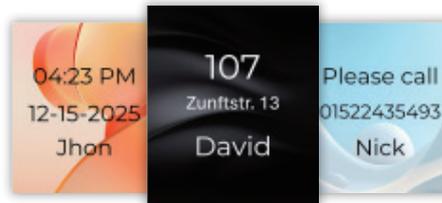
Default Angle

150°

Installation method

Surface

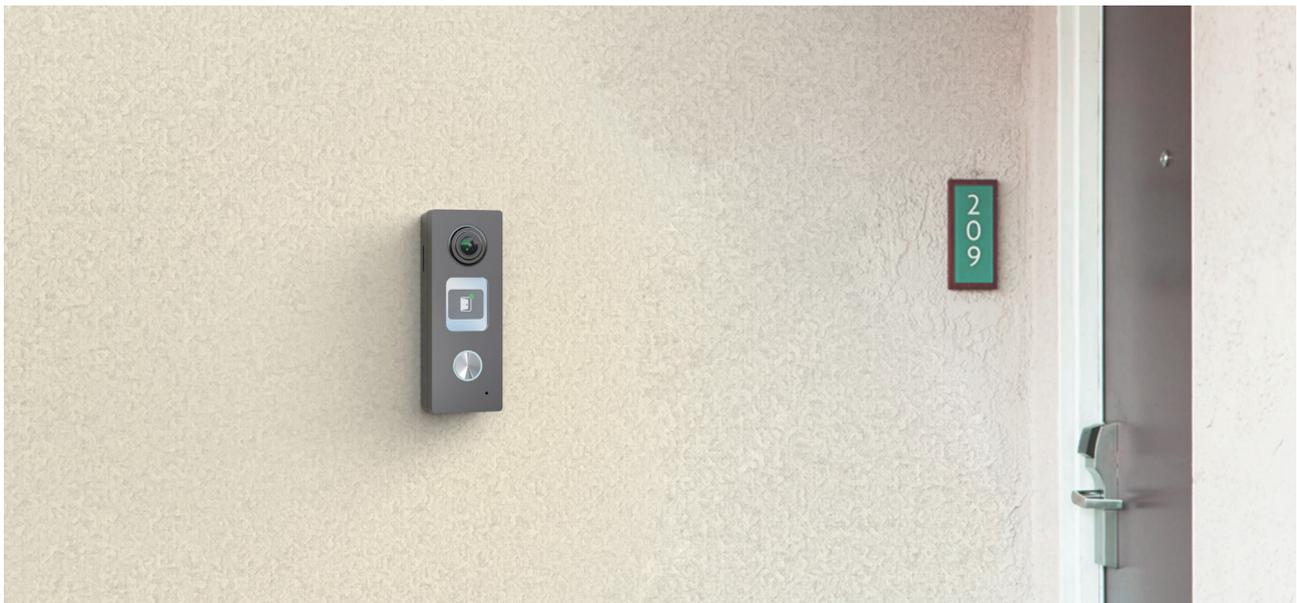
- ◆ 48mm slim design, fits door frames and limited spaces
- ◆ 1.8-inch customizable screen supporting names and numbers
- ◆ 2MP 1080P starlight camera



Surface size: 13.0(H)\*4.8(W)\*2.6(D) cm

Customize screen via monitor

Compact size



## 2Easy DH Villa Door Station



### DH611 MK/DH611 KP

One button door station



Number of households

1

Default Angle

150°

Installation method

Surface / Flush

- ◆ Classic and durable stainless steel panel
- ◆ DH611MK with metal keypad with backlit
- ◆ DH611KP with light-up sensor for night viewing
- ◆ Talk and unlock/unlock LED indicators



Mechanical metal call button



Real glass touch keypad

Surface size: 18.2(H)\*9.3(W)\*4.3(D) cm  
Flush size: 22.0(H)\*12.0(W)\*5.2(D) cm





## 2Easy DH 1-4 Buttons Door Station

### DH613

1-4 buttons door station



Number of households

1/2/4

Default Angle

150°

Installation method

Surface / Flush

- ◆ Replaceable 1/2/4 button panels to reduce inventory pressure
- ◆ Supports ID card reader
- ◆ Metal keypad with backlit
- ◆ Light sensor for night view
- ◆ Voice prompt with talk/unlock LED indicators

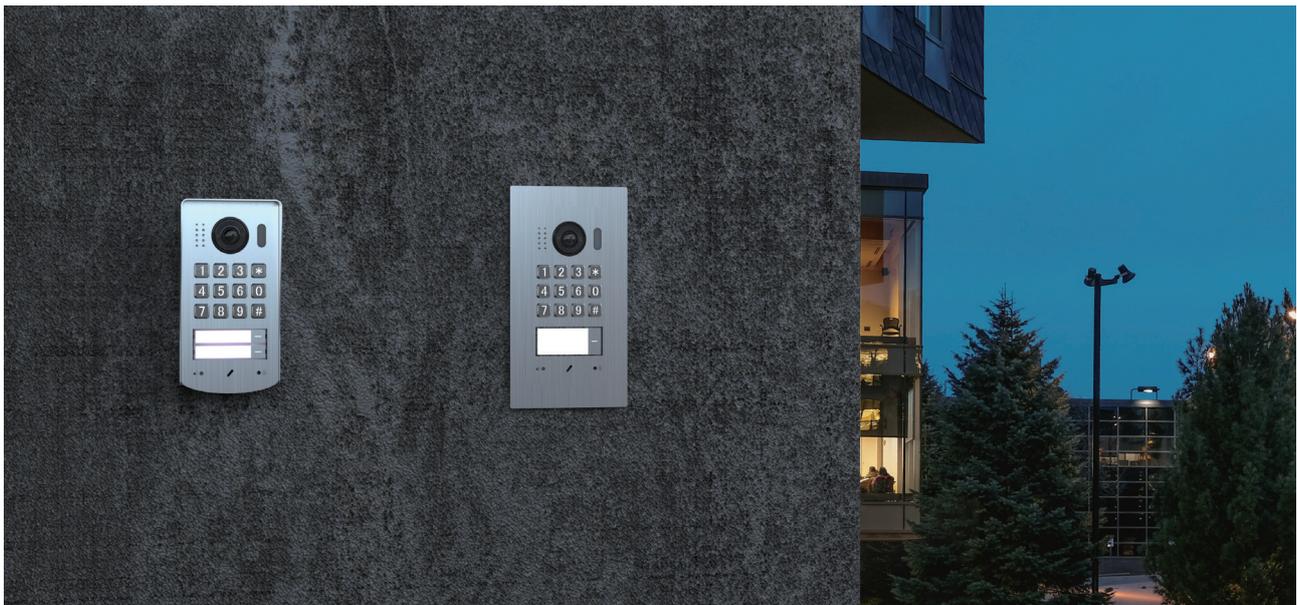


Replaceable 1/2/4 button module



Card reader in nameplate

Surface size: 18.2(H)\*9.3(W)\*4.3(D) cm  
Flush size: 22.0(H)\*12.0(W)\*5.2(D) cm



# 2Easy DH 1-4 Buttons Door Station



## DH622

1-4 buttons door station



Number of households 1-4	Default Angle 150°	Installation method Surface / Flush
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- ◆ Stainless steel panel
- ◆ Backlit nameplate with backlit stainless steel buttons
- ◆ Supports ID and IC card reader.
- ◆ Voice prompt with talk/unlock LED indicators

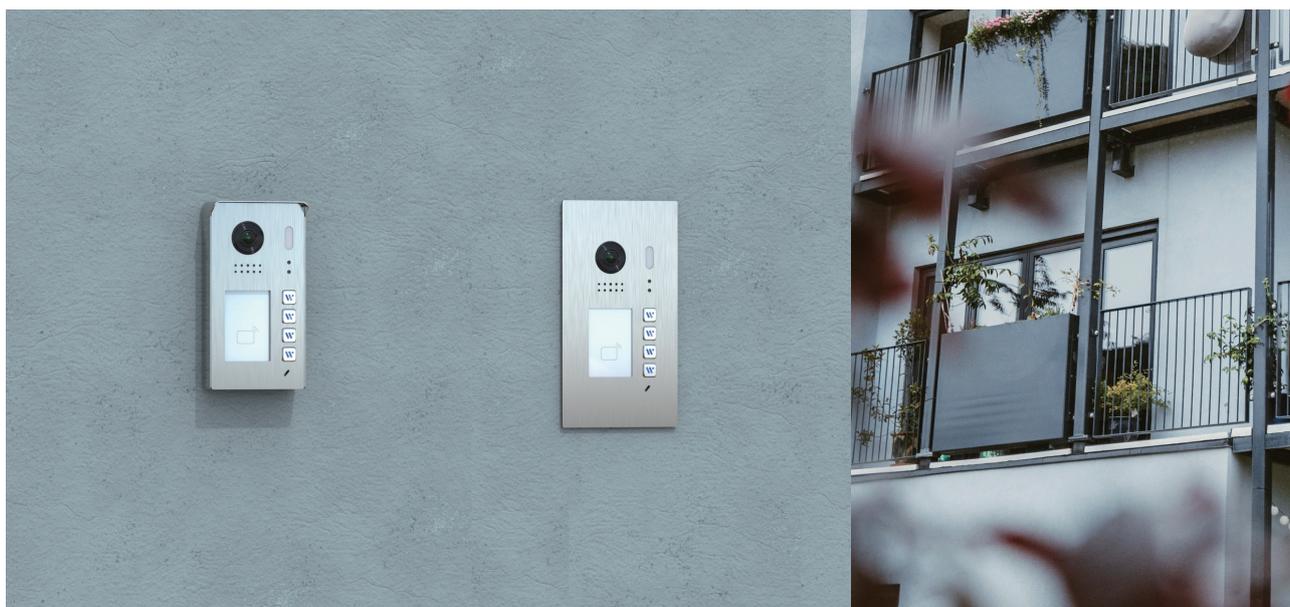


Optional 1~4 buttons



Card reader

Surface size: 9.4(H)\*17.7(W)\*3.8(D) cm  
Flush size: 12.0(H)\*22.0(W)\*5.6(D) cm

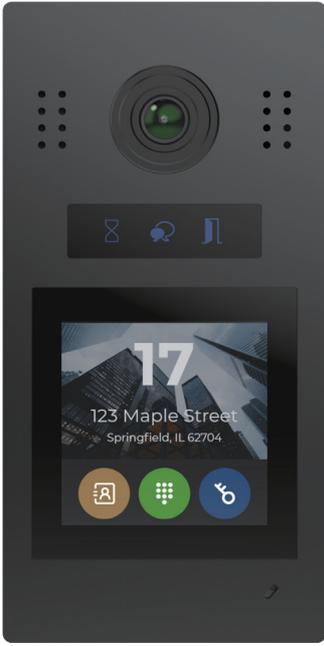




# 2Easy DH Apartment Door Station

## DH624

3.5" touch screen door station



Surface size: 19.0(H)\*9.5(W)\*2.8(D) cm

Number of households  
1-8

Default Angle  
150°

Installation method  
Surface

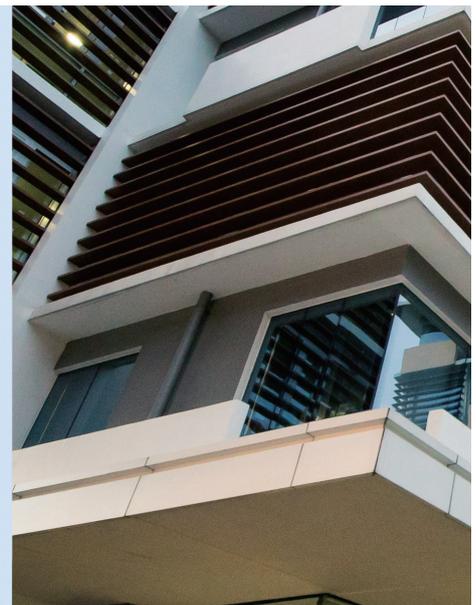
- ◆ Customizable doorplates and images
- ◆ Unlocking methods: ID and IC Cards/fingerprint
- ◆ Easy-to-read screen with adaptive brightness function
- ◆ Multiple UI layouts to meet various scenarios



Bottom fingerprint reader  
Optional



Read cards on screen



# 2Easy DH Apartment Door Station



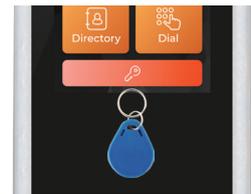
## DH850

5" touch screen door station



Number of households	Default Angle	Installation method
1-64	170°	Surface / Flush

- ◆ Elegant and classic design with durable stainless steel and anti-fingerprint coating
- ◆ Customizable welcome page and easy-to-use, clear interface
- ◆ Simple and powerful installer page for quick setup
- ◆ Auto brightness sensor screen



Surface size: 28.1(H)\*11.0(W)\*4.4(D) cm  
 Flush size: 31.6(H)\*13.3(W)\*4.6(D) cm

Customize screen via screen

Card reader





# 2Easy DH Apartment Door Station

## DH851

3.5" touch door station



Number of households  
1-64

Default Angle  
150°

Installation method  
Surface / Flush

- ◆ Durable material, resistant of severe cold and intense sun
- ◆ Easy to customise the welcome page
- ◆ Under-screen ID and IC cards reader
- ◆ Auto brightness sensor screen

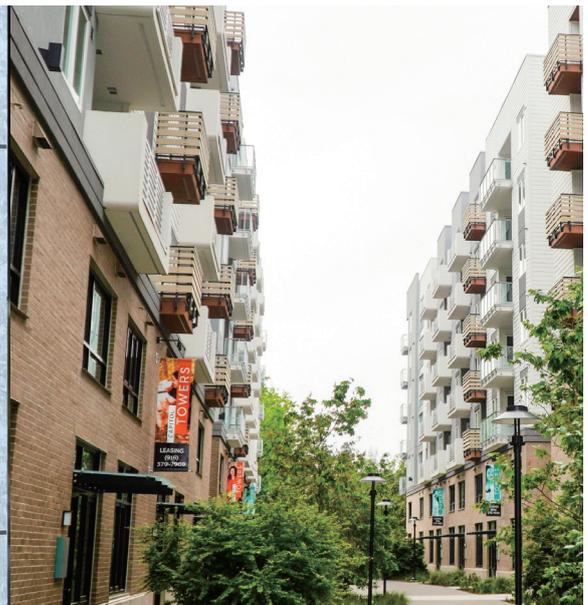


Read cards on screen



Customize screen via screen

Surface size: 28.1(H)\*11.0(W)\*4.4(D) cm  
Flush size: 31.6(H)\*13.3(W)\*4.6(D) cm



# 2Easy DH Modular Door Station



## DH821 Modular door station

### Main module

#### Video intercom module



**Model No.**

DH821/VD

**Description**

The primary module controls the communication with the system, each modular door station requires one primary module.

- 2 LEDs for status: Calling and unlock.
- Supports max 12V 250mA lock without lock power.
- Supports DH-RL1 accessory for 2nd lock.
- Star night vision 2MP fisheye camera 170 vertical.
- **Integrate card reader; supports RFID cards.**

### Function Module

#### Card reader with Dot matrix display



**Model No.**

821/DR

**Description**

Dot matrix LED display with card reader

- 16\*24 384 dots LED display.
- Display for calling, setups, and door release.
- Supports Mifare and RFID cards.



## 2Easy DH Modular Door Station

### Function module

#### Mechanical call buttons



#### Model No.

#### Description

821/M4

1 – 4 push buttons for press to calling with a backlit nameplate.

821/M3

· Stainless steel mechanical single row buttons.

821/M2

· Buttons with back lit easy to see at night.

821/M1

· Backlit nameplate for clear visibility at night.

· Front replaceable nameplate no need to open the door station.



821/M6

6/8 push buttons for press to calling with a backlit nameplate.

· Stainless steel mechanical single row buttons.

821/M8

· Buttons with back lit easy to see at night.

· Backlit nameplate for clear visibility at night.

· Front replaceable nameplate no need to open the door station.



## Mechanical keypad

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### Model No.

821/MK

### Description

Mechanical keypad for calling and unlocking the door station.

- Stainless steel push buttons.
- Enable opening door using numerical password.
- Call to resident with room number or address.
- Backlit easy to see numbers at night.

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## Blank module

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### Model No.

821/BL

### Description

Blank module for laser print information or for future function module replacement.

- Stainless steel
- With anti-fingerprint coating.

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## Fingerprint module

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### Model No.

DH821/FP

### Description

The fingerprint module is for access control, to opening the door using the fingerprint.

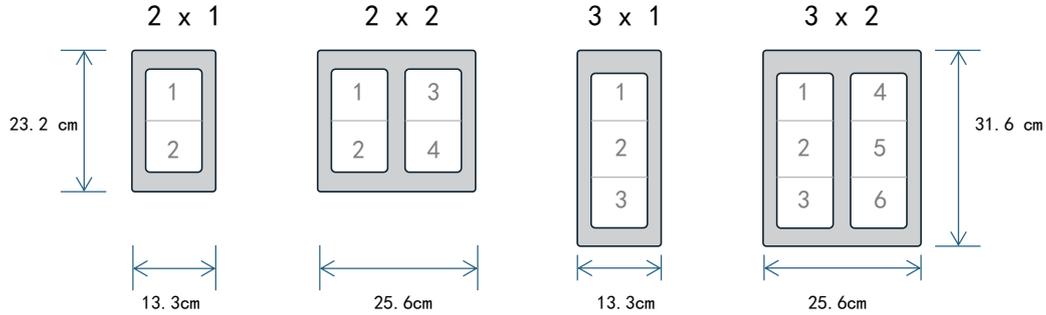
- Backlit ring LED indicates the scanner
- Supports up to 200 fingerprints.
- Manage fingerprints via master fingerprint without PC

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# 2Easy DH Modular Door Station

Frame and mount box come by set, with below configuration.



### Cover frame, size 1/2 (821 series)



Model No.	Description
821S-2X1	Cover frame, 2-module, size 1/2, stainless steel, with surface rain hood, aluminium
821F-2X1	Cover frame, 2-module, size 1/2, stainless steel, with flush mounted box, iron
821S-2X2	Cover frame, 4-module, size 2/2, stainless steel, with surface rain hood, aluminium
821F-2X2	Cover frame, 2-module, size 1/2, stainless steel, with flush mounted box, iron



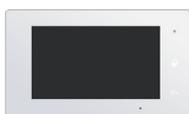
### Cover frame, size 1/3 (821 series)



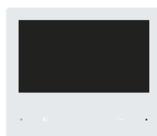
Model No.	Description
821S-3X1	Cover frame, 3-module, size 1/3, stainless steel, with surface rain hood, aluminium
821F-3X1	Cover frame, 3-module, size 1/3, stainless steel, with flush mounted box, plastic
821S-3X2	Cover frame, 6-module, size 2/3, stainless steel, with surface rain hood, aluminium
821F-3X2	Cover frame, 6-module, size 2/3, stainless steel, with flush mounted box, plastic



# 2EASY DH Monitor



DH470



DH482



DH7G

	DH470	DH482	DH7G
<b>Display</b>	 Touch	 Touch	 Touch
<b>Glass surface</b>	 Glass	 Glass	 Glass
<b>Wi-Fi connectivity</b>			
<b>APP remote call</b>			
<b>Video record</b>			
<b>Intercom call</b>			
<b>Inner call</b>			
<b>Extra ringer</b>			
<b>SD card</b>			
<b>Laminated screen</b>			



## 2EASY DH Monitor



DH473



DH481



DH11



DH11-2.8



Touch



Touch



Non-Touch



Aluminum



Aluminum Glass



Plastic



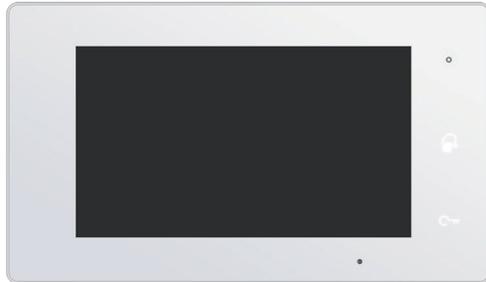
Plastic Glass



# 2EASY DH Monitor



## DH470



Size: 17.4(H)\*16.1(W)\*2.2(D) cm

Video display

7"

Screen type

Touch

WiFi

Supported

- ◆ Glass surface with 2 touch LED keys
- ◆ Support doorbell input and external beeper
- ◆ Support ONVIF camera
- ◆ Dual camera PIP viewing

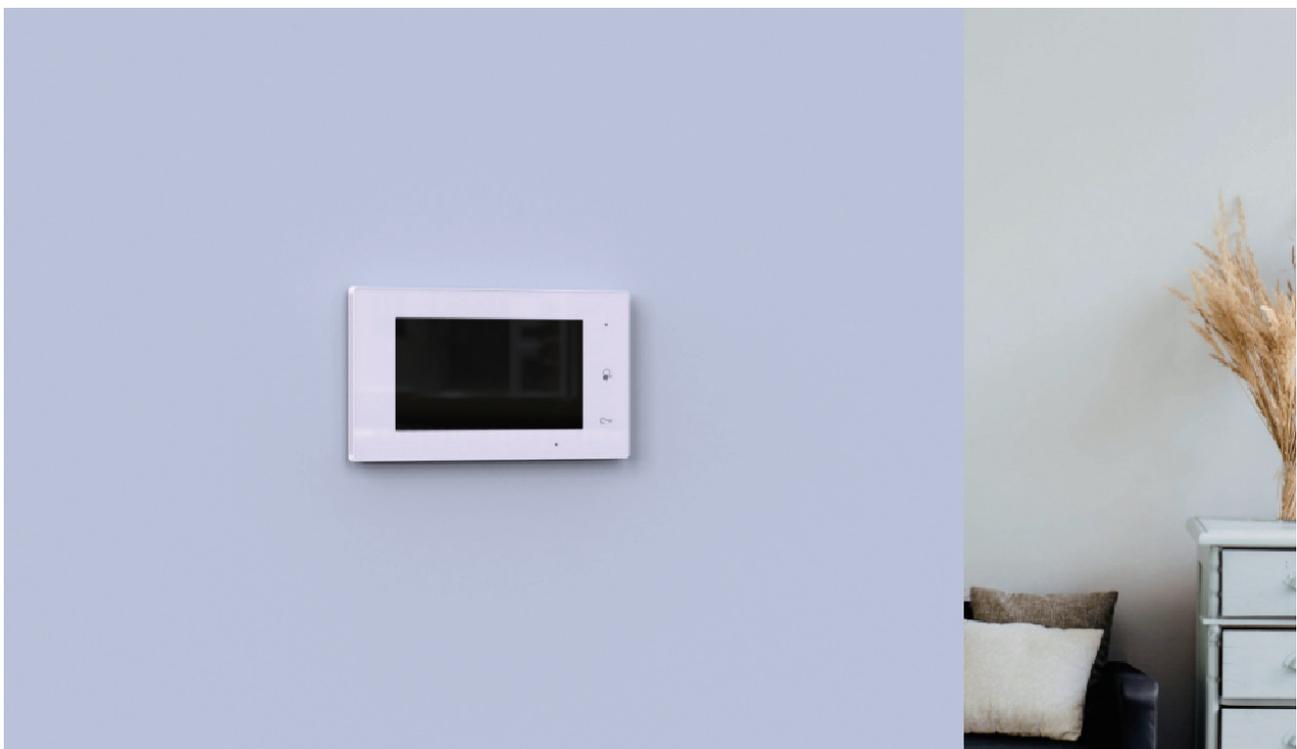
Colors



White



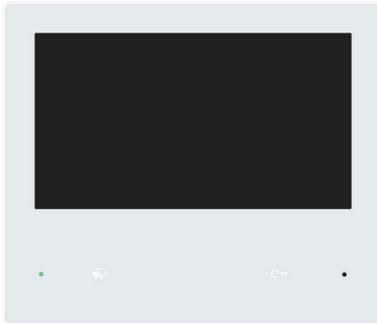
Black





## 2EASY DH Monitor

DH482



Size: 15.9(H)\*18.5(W)\*1.9(D) cm

Video display

7"

Screen type

Touch

WiFi

Supported

- ◆ Glass surface with 2 touch LED keys
- ◆ Support doorbell input and external beeper
- ◆ Support ONVIF camera
- ◆ Dual camera PIP viewing

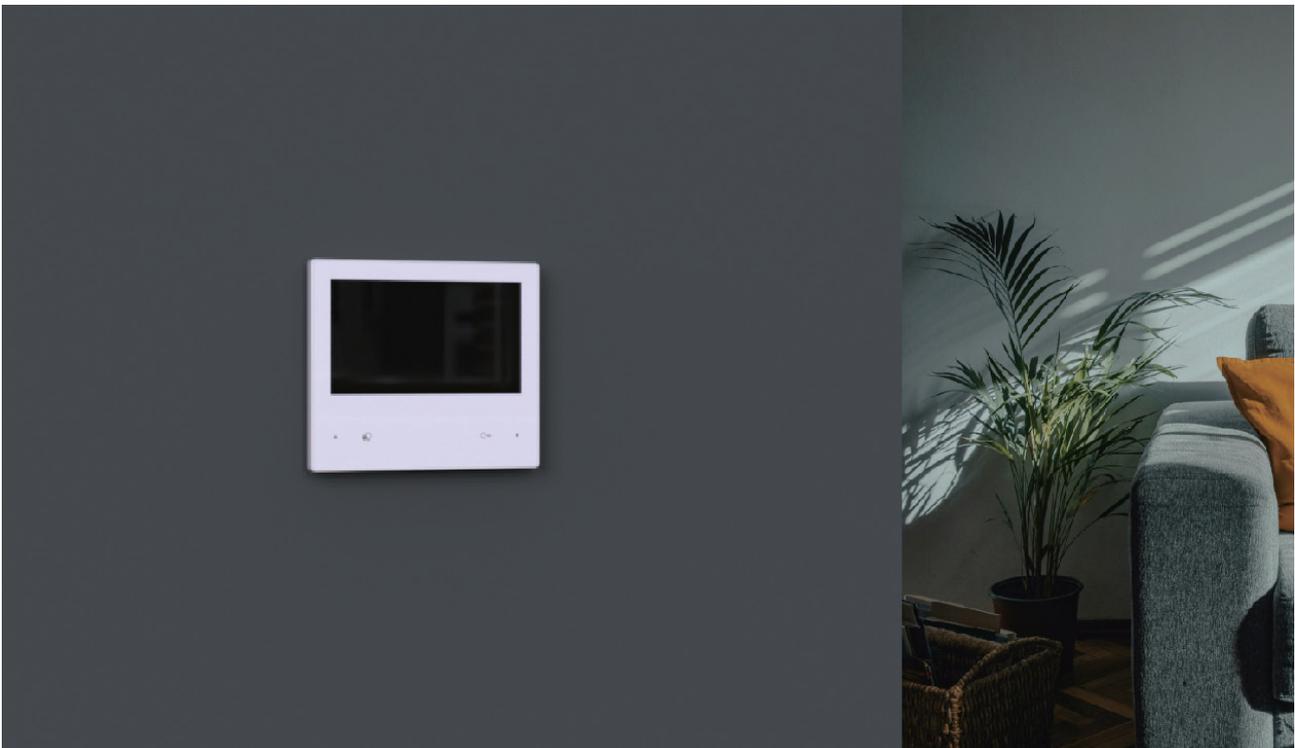
Colors



White



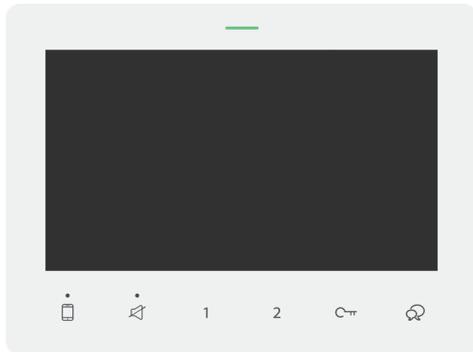
Black



# 2EASY DH Monitor



## DH7G



Size: 13.9(H)\*18.6(W)\*1.4(D) cm

Video display

7"

Screen type

Touch

WiFi

Supported

- ◆ Slim design
- ◆ Glass surface with 6 touch keys
- ◆ Support doorbell input
- ◆ Support ONVIF camera
- ◆ Dual camera PIP viewing

Colors



White



Black





## 2EASY DH Monitor

### DH473



Size: 13.9(H)\*18.6(W)\*1.6(D) cm

Video display

7"

Screen type

Touch

WiFi

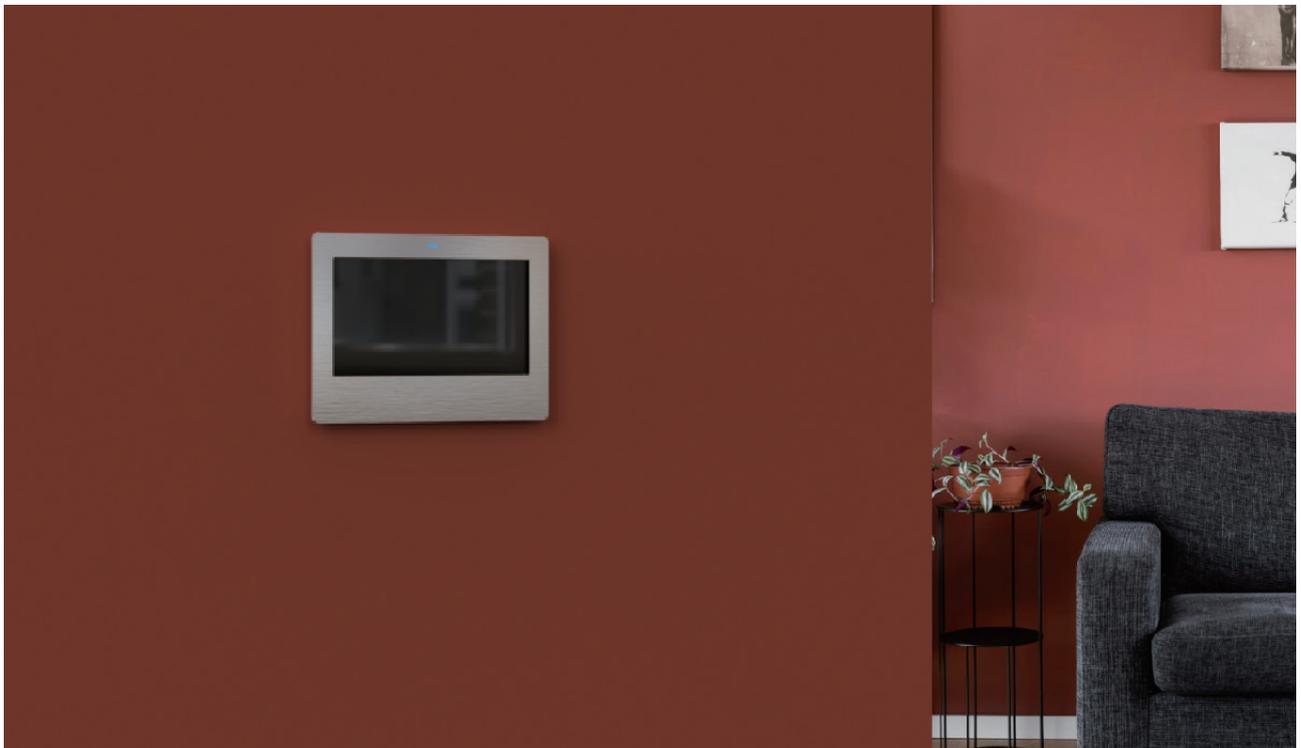
Supported

- ◆ Aluminum panel with LED indicator
- ◆ Slim design
- ◆ Support doorbell input
- ◆ Support ONVIF camera
- ◆ Dual camera PIP viewing

Color



Natural aluminum



# 2EASY DH Monitor



## DH481



Size: 17.6(H)\*25.2(W)\*1.7(D) cm

Video display

10"

Screen type

Touch

WiFi

Supported

- ◆ Anodized aluminum frame
- ◆ Glass surface with 2 LED touch buttons
- ◆ Support doorbell input and external beeper
- ◆ Support ONVIF camera
- ◆ Dual camera PIP viewing

Color



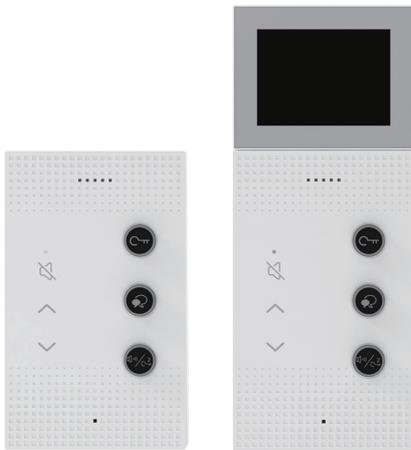
White





## 2EASY DH Monitor

### DH11 DH11-2.8



Audio Only: 13.5(H)\*8.1(W)\*1.9(D) cm  
With screen: 20.0(H)\*8.1(W)\*1.9(D) cm

Video display  
2.8"

Screen type  
No Touch

WiFi  
No Supported

- ◆ Optional 2.8" TFT screen
- ◆ 8bits DIP switch for addressing
- ◆ 3 quick access backlit physical buttons
- ◆ Mute touch key with LED indicator
- ◆ Front microphone with full-duplex audio and noise cancellation

Colors



White



Black



## 2EASY DH Villa Door Stations



### Video doorbell



Model No.	Size	Description
DH618	13.0(H)*4.8(W)*2.6(D) cm	Aluminum panel, 150 degree camera, with 1.8-inch display, surface, IP54

### One button villa door station



Model No.	Size	Description
DH611/KP	18.2(H)*9.3(W)*4.3(D) cm	Stainless steel, 150 degree camera, touch glass pin pad, surface, IP54



DH611/MK	18.2(H)*9.3(W)*4.3(D) cm	Stainless steel, 150 degree camera, mechanical pin pad, surface, IP54
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### One button villa door station



Model No.	Size	Description
DH611F/KP	22.0(H)*12.0(W)*5.0(D) cm	Stainless steel, 150 degree camera, touch glass pin pad, flush, IP54



DH611F/MK	22.0(H)*12.0(W)*5.0(D) cm	Stainless steel, 150 degree camera, mechanical pin pad, flush, IP54
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## 2Easy DH Multi Family Door Station

### 1-4 buttons multi family door station



Model No.	Size	Description
DH613	18.2(H)*9.3(W)*4.3(D) cm	Stainless steel, 150 degree camera, mechanical pin pad, 1/2/4 buttons optional, surface, IP54



DH613F	12.0(H)*22.0(W)*5.0(D) cm	Stainless steel, 150 degree camera, mechanical pin pad, 1/2/4 buttons optional, flush, IP54
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### 1-4 buttons multi family door station



Model No.	Size	Description
DH622	17.7(H)*9.4(W)*3.8(D) cm	Stainless steel, 150 degree camera, 1-4 buttons, IP54, RFID card reader, surface, IP54



DH622F	22.0(H)*12.0(W)*5.6(D) cm	Stainless steel, 150 degree camera, 1-4 buttons, IP54, RFID card reader, flush, IP54
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### Multi family/ Apartment door station



Model No.	Size	Description
DH624	19.0(H)*9.5(W)*2.8(D) cm	Aluminum, 150 degree camera, under-screen card reader, 3.5 inch touch surface, IP54

## 2Easy DH Apartment Door Station



### Multi family/ Apartment door station



Model No.	Size	Description
DH851	28.1(H)*11.0(W)*4.4(D) cm	Zinc alloy, 150 degree camera, under-screen RFID card reader, 3.5 inch touch screen with mechanical pin pad, surface, IP54



DH851F	31.6(H)*13.3(W)*4.6(D) cm	Stainless steel, 150 degree camera, under-screen RFID card reader, 3.5 inch touch screen with mechanical pin pad, flush, IP54
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### Multi family/ Apartment door station



Model No.	Size	Description
DH850P	28.1(H)*11.0(W)*4.4(D) cm	Zinc alloy, 170 degree fisheye camera, RFID card reader, 5 inch touch screen, surface, IP54



DH850P-F	31.6(H)*13.3(W)*4.6(D) cm	Stainless , 170 degree fisheye camera, RFID card reader, 5 inch touch screen, flush, IP54
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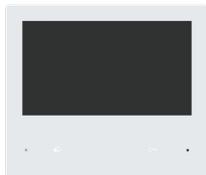
## 2Easy DH Monitor

### Video Wi-Fi Monitor 7"



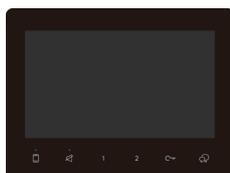
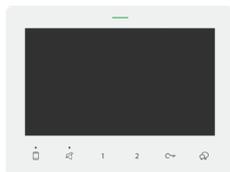
Model No.	Size	Description
DH470 DH470-B	16.1(H)*17.4(W)*2.2(D) cm	7 inch TFT,with touch screen, IPS screen,Wi-Fi,glass panel *B-Black
DH470SE DH470SE-B	16.1(H)*17.4(W)*2.2(D) cm	7 inch TFT,with touch screen, IPS screen,no Wi-Fi, glass panel *B-Black

### Video Wi-Fi Monitor 7"



Model No.	Size	Description
DH482	15.9(H)*18.5(W)*1.9(D) cm	7 inch TFT,with touch screen, IPS screen, Wi-Fi, glass panel
DH482SE	15.9(H)*18.5(W)*1.9(D) cm	7 inch TFT,with touch screen, IPS screen, no Wi-Fi, glass panel

### Video Wi-Fi Monitor 7"



Model No.	Size	Description
DH7G DH7G-B	13.9(H)*18.6(W)*1.4(D) cm	7 inch TFT,with 6 touch keys, Wi-Fi, glass panel *B-Black



## Video Wi-Fi Monitor 7"



Model No.	Size	Description
DH473	13.9(H)*18.6(W)*1.6(D) cm	7 inch TFT,with touch screen, IPS screen,Wi-Fi, aluminum panel

## Video Wi-Fi Monitor 10"



Model No.	Size	Description
DH481	17.6(H)*25.2(W)*1.7(D) cm	10 inch TFT,with touch screen, IPS screen, Wi-Fi, glass panel

## Audio unit



Model No.	Size	Description
DH11 DH11-B	13.5(H)*8.1(W)*1.9(D) cm	Audio unit, 3 quick push buttons *B-Black
TFT/2.8 TFT/2.8-B	65.3(H)*8.1(W)*1.9(D)mm	2.8-inch TFT screen only *B-Black
DH11/2.8 DH11/2.8-B	20.0(H)*8.1(W)*1.9(D)mm	2.8-inch TFT screen, 3 quick push buttons *B-Black



## Power supply



CE CB

Model No.	Size	Description
PC9D	8.9(H)*7.0(W)*5.9(D) cm	Power combo (include power separator), 28VDC 2.1A output,4 din rail

Supports up to 4 door stations and 16 7-inch monitors

## Power supply



CE UK CB UKCA UL

Model No.	Size	Description
PC7D	8.9(H)*8.8(W)*5.9(D) cm	Power combo (include power separator), 24VDC 2.5A output,5 din rail,CE,CB,UKCA

Supports up to 4 door stations and 16 7-inch monitors

## Power separator



Model No.	Size	Description
DH-DPS(V2)	8.9(H)*3.5(W)*5.9(D) cm	for 3rd 24-28V power, 2 din rail



## Short circuit protection brancher



Model No.	Size	Description
DH-BC4	8.9(H)*3.5(W)*5.9(D) cm	Short circuit protection 4 channel brancher, 2 din rail

## IP Cat5 Convertor



Model No.	Size	Description
DH-LAN	8.9(H)*3.5(W)*5.9(D) cm	IP camera or cable internet interface, 2 din rail

## Relay controller



Model No.	Size	Description
DH-RL1	8.9(H)*3.5(W)*5.9(D) cm	1st/2nd door station relay controller, 2 din rail

## System capacity/distance extender



Model No.	Size	Description
DH-SW4	8.9(H)*10.5(W)*5.9(D) cm	Extend 2Easy DH system capacity, 4 branch/riser, 6 din rail



## 2Easy DH System Devices

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### Camera

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Model No.	Size	Description
DH-CAM/D	9.2(H)*11.5(W)*11.5(D) cm	2-wire plug and play no extra setups, Compatible with all DH devices, Free running without place limitation



DH-CAM/G	17(H)*6.6(W)*5.8(D) cm	Sensor Format:1/2.8" Focal length:4 mm Horizontal FOV:85° Vertical FOV: 45°
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Supports up to 8 cameras

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