Video Intercom
Products
Solutions

Apartment solutions, Villa solutions

2020.11

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Product & Solution Review

Residential Community

Focus on residential and apartment scenario

Villa

One-to-one intercom, plug & play

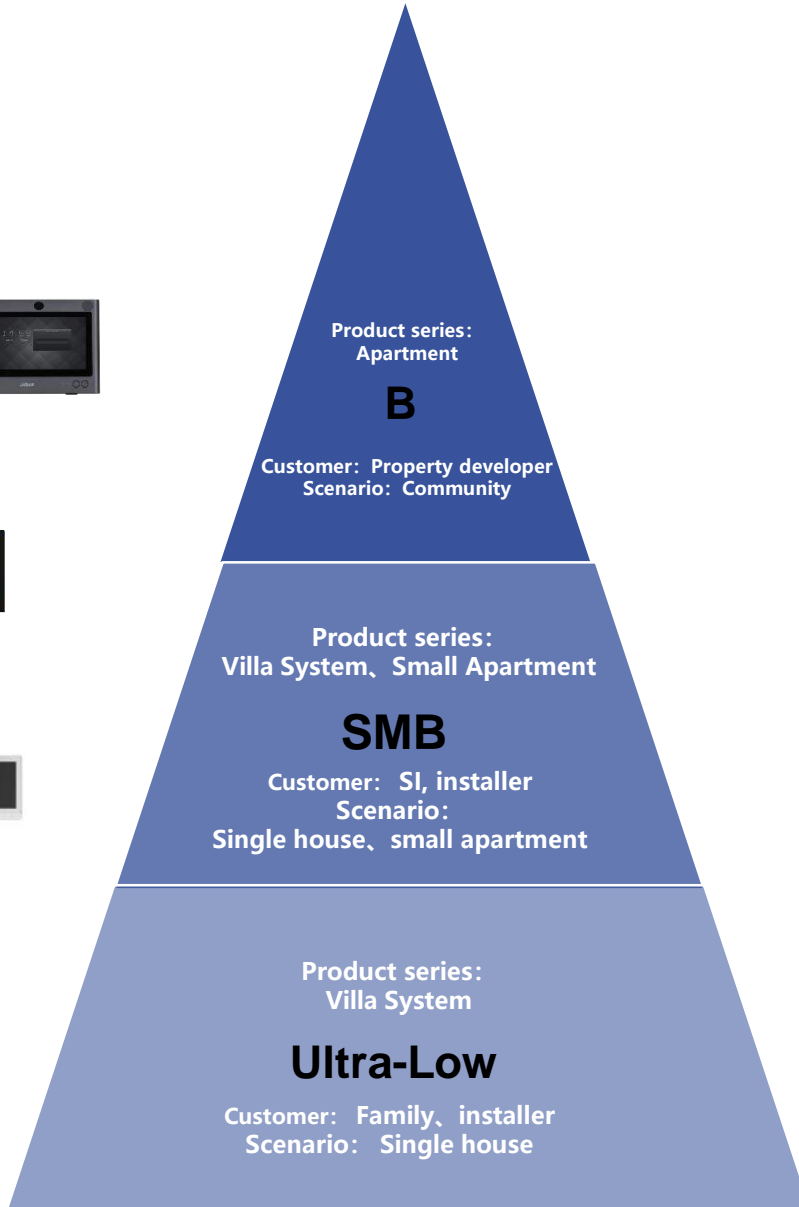# Product & Solution Overview

IP Big Apartment System

IP Small Apartment System

IP Villa System

Analog Villa System

Product series:
Apartment

B

Customer: Property developer
Scenario: Community

Product series:
Villa System、Small Apartment

SMB

Customer: SI, installer
Scenario:
Single house、small apartment

Product series:
Villa System

Ultra-Low

Customer: Family、installer
Scenario: Single house

Advantage of Apartment Solution

- **SIP Big Apartment System**, worked with DSS platform which cover community easily, fit for the large residential projects.

- **Small Apartment System**, worked with software management center and mobile DMSS, Flexible applies to small apartment.

Advantage of Villa Solution

- **IP Villa Kit**, improved the quality of the video and audio fit for the customer's demand as Cost-effective, strong competitiveness, Mobile APP.

- **Analog Villa Kit**, plug & play , easy installation by cat5e

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Residential Community Solution
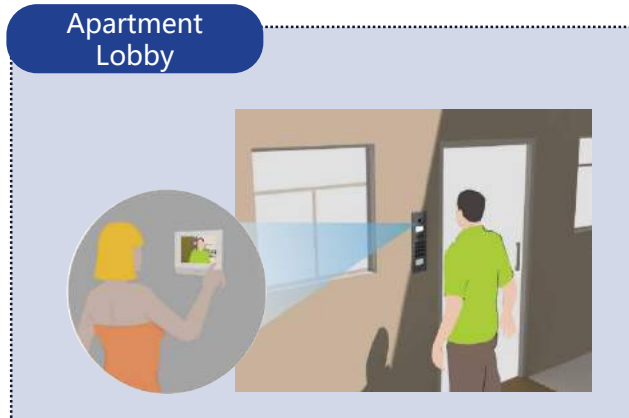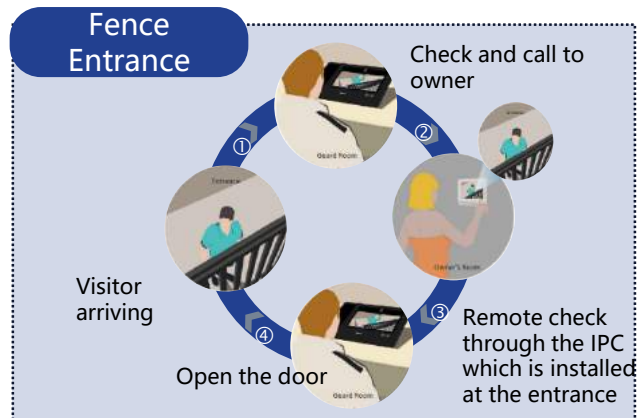
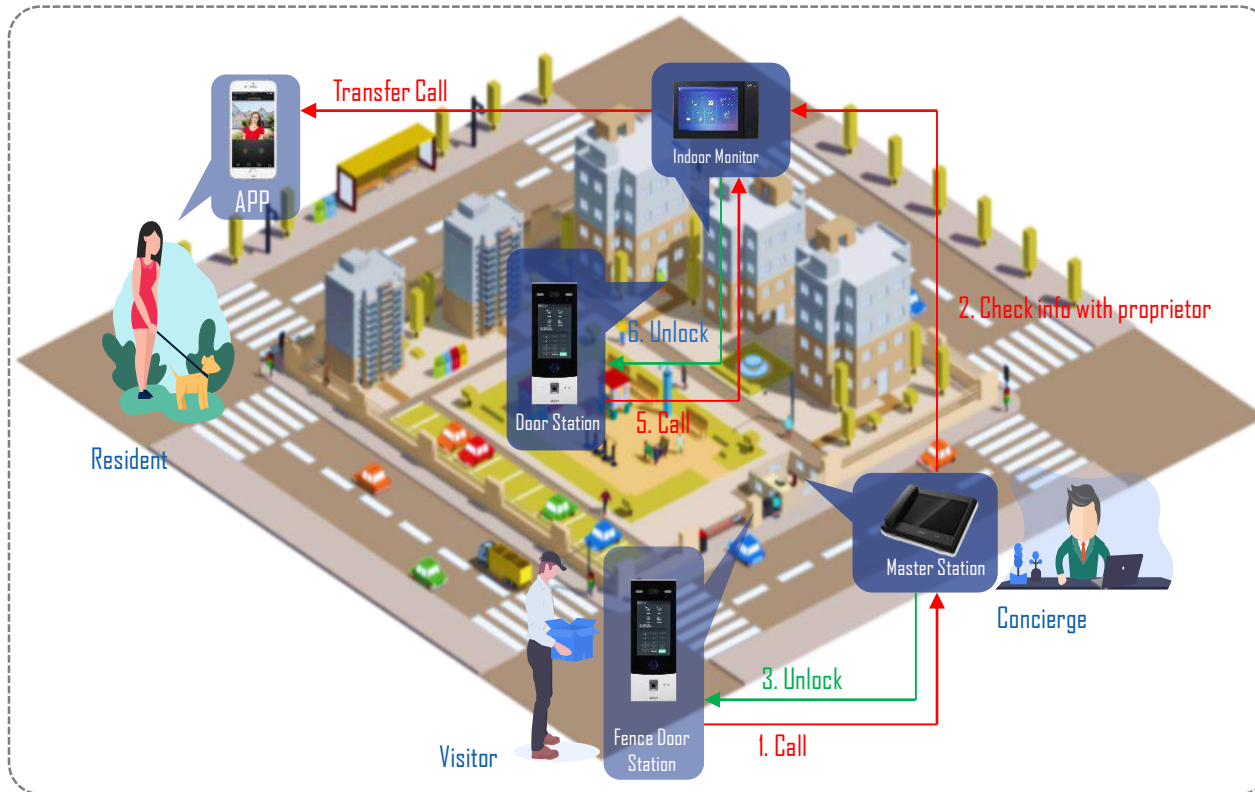System structure and highlights

Community

Apartment

Residential Community Scenario

Scenario

An apartment or a residential usually need to manage access control and residents to improve safety, convenient and quality of life. In common area doors/gates, all people access by a visual controller. Manage center or resident home must know the details of the door so that all visitors are managed in safety way.

Roles in this scenario

Visitor

· Visitors call concierge through the Fence Door Station in the front of community
· Concierge check the visitor info with resident through the Master Station, then makes door release
· Visitor call the resident through the Unit Door Station in the front of the apartment, resident makes door release

Resident

· Multiple ways to access: card, password, fingerprint, face and call security guard
· Receive the call and unlock via the Indoor Monitor and APP
· Mobile app: intercom, door release & alarm push
· Property service demand by calling Master Station

Concierge

· Visitors management
· Provide property service on time by two-way talk between Monitor and Station

Fence Entrance

Check and call to owner

Visitor arriving

Remote check through the IPC which is installed at the entrance

Open the door

Apartment Lobby

VTO

VTH

DSS

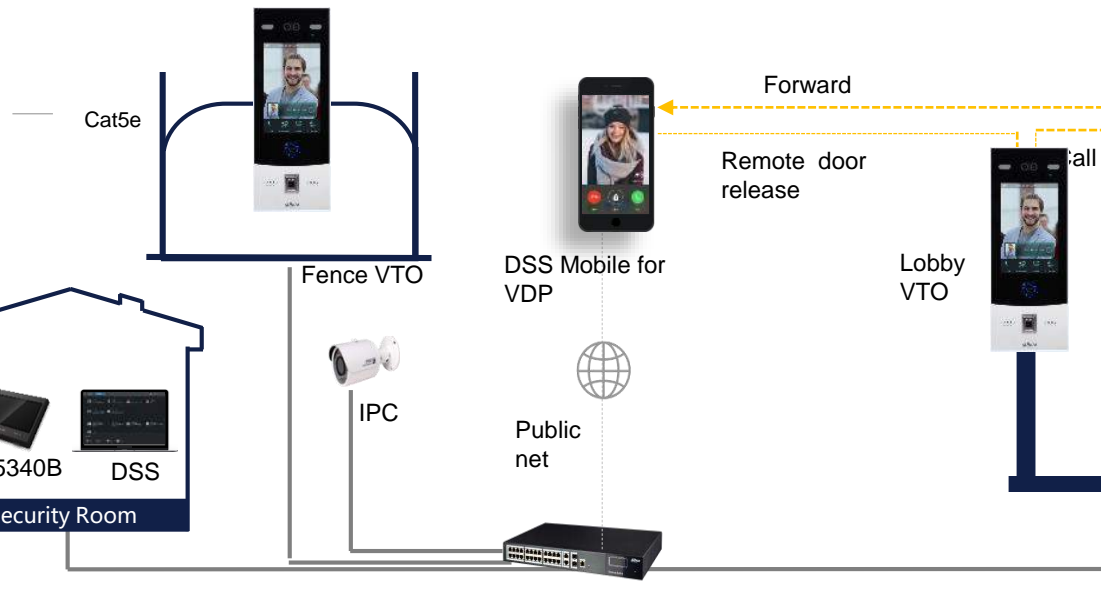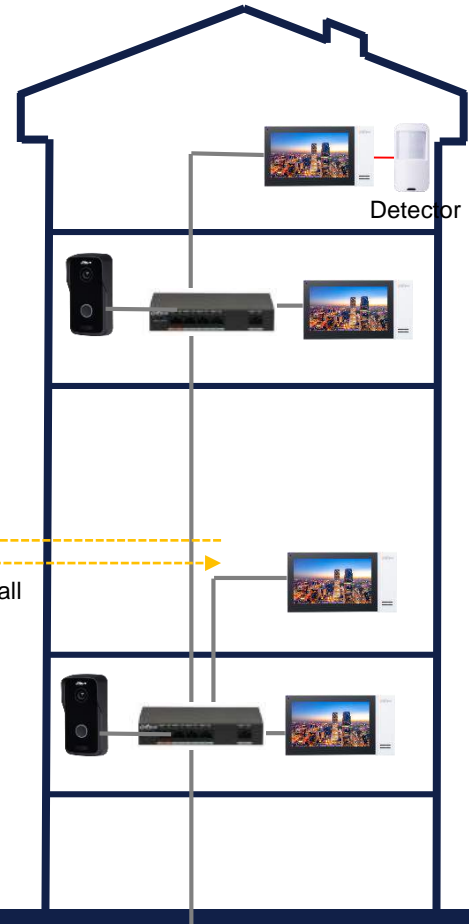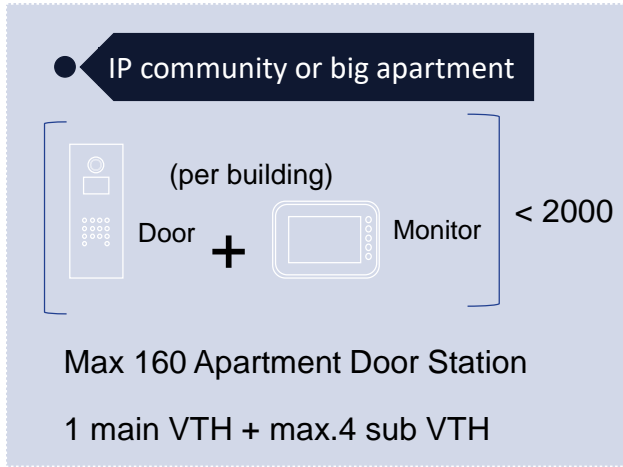**DSS Mobile for VDP**

VTS

Management Center

- Unlock history and call history
- Release the txt information to VTH
- VTH alarm uploads and linkage
- Unlock door remotely

SIP Server

- All Video Door Phone products registered into the sever
- All terminal devices can video intercom with the server and each other.
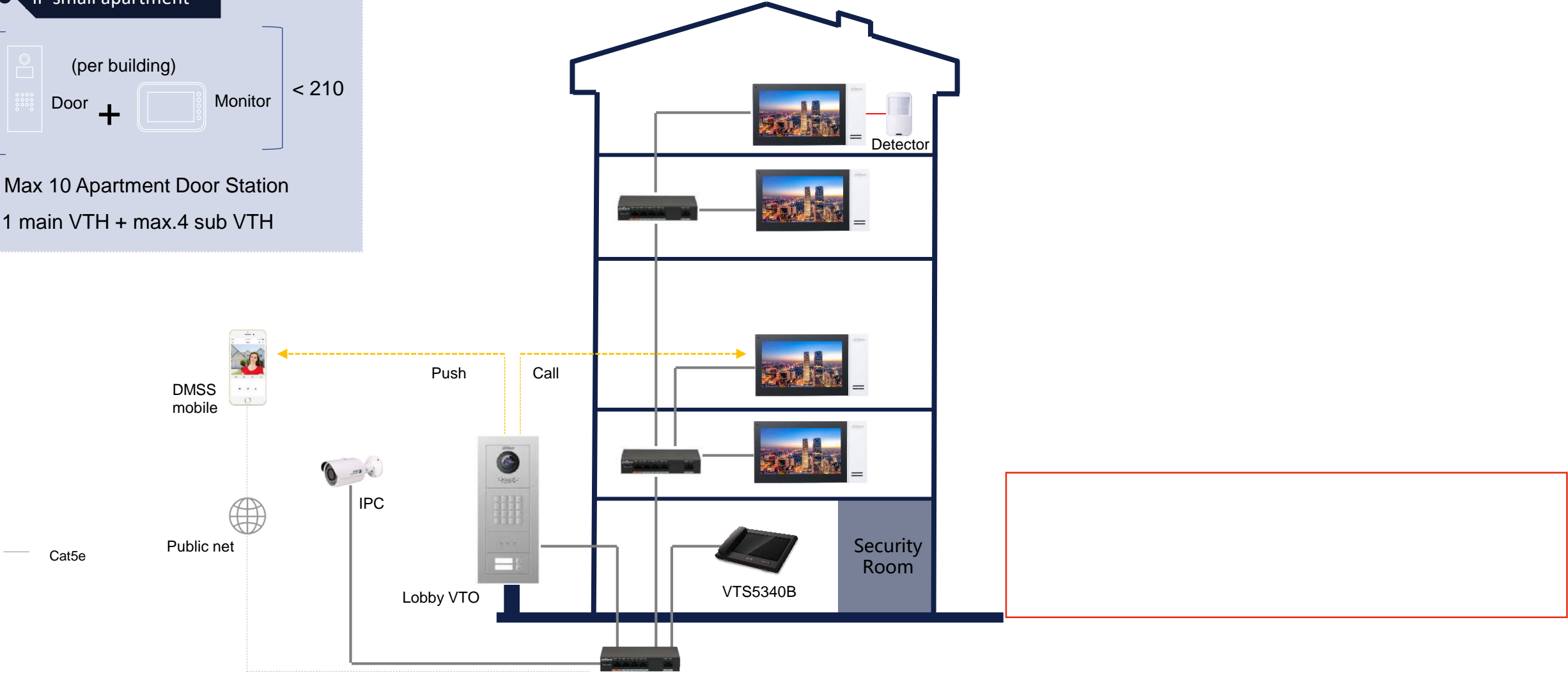
Community Intercom System Architecture

IP community or big apartment

(per building)

Door **+** Monitor < 2000

Max 160 Apartment Door Station

1 main VTH + max.4 sub VTH

Detector

Cat5e

Forward

Remote door release

Call

Fence VTO

DSS Mobile for VDP

Lobby VTO

IPC

Public net

VTS5340B   DSS

Security Room

Small Apartment Intercom Architecture

IP small apartment

(per building)

Door **+** Monitor < 210

Max 10 Apartment Door Station

1 main VTH + max.4 sub VTH

Detector

Push   Call

DMSS
mobile

IPC

Public net

Cat5e

Lobby VTO

VTS5340B

Security
Room

System Highlights

Powerful system capacity

Max. 5000 rooms

HD, wide view angle for door station

Other Company

DAHUA

Best audio

Remote unlock

Video integration

Intercom in any devices

Product Selection

Apartment door Station

VTO9541D
10 inch Face Recognition VTO
2MP, IP65,IK07
Card(100K),Face(100K)
Fingerprint(10K)
Aluminum alloy & Tempered glass, Flush

VTO7541G
8 inch Face Recognition VTO
2MP, IP66,IK07
Card(10K),Face(20K)
Fingerprint(10K)
Aluminum alloy & Tempered glass, Flush and Surface

VTO6521F
2MP,IP65,IK07
4.3inch screen
Card :10,000
Aluminum alloy
Flush and Surface

VTO6541H
2MP, IP65
4.3inch screen
Card (10K) Face(10K)
Fingerprint(10K)
PC+ABS
Flush and Surface

VTO6531H
2MP, IP65
4.3inch screen
Card (10K) Face(10K)
PC+ABS
Flush and Surface

VTO6521H
VTO6521H-D
2MP, IP65
4.3inch screen
Card :10,000
-D: ID card
PC+ABS
Flush and Surface

VTO6221E-P
2MP, IP65,IK08
Aluminium
Surface & Flush

Modular door Station

Main Module

VTO4202F-P Series
2.0MP, 160° fisheye,
IP65,IK07,   Aluminum
Surface & Flush
IP and 2-wire,
standard POE

VTO4202F-P
Camera module
2.0MP

VTO4202F-MS
Screen module

VTO4202F-MB5
5 button module

VTO4202F-MK
Keypad module
Support Braille

VTO4202F-MF
Fingerprint module
3000

VTO4202F-ML
Led module,
half unit

VTO4202F-MR
RFID module
half unit,
IC card(10K)

VTO4202F-MB1
1 button module
half unit

VTO4202F-MB2
2 button module
half unit

VTO1101D-P
2MP, H:107°
IP65,   Plastic
Night vision
Standard PoE
Not support door release

VTO1201G-P
2MP, H:125°
IP65,   Plastic
Night vision
Standard PoE
Not support door release

IP Indoor Station

Connected by cat5e network cable

VTH5321GB/GW-W
7" Capacitive
Android 8.1
Standard POE

VTH5341G-W
10" Capacitive
Android 8.1
Standard POE

VTH5421E(W)-H
7" Capacitive
Handset
Standard POE

VTH2421FW-P/FB-P
7" Capacitive
1024*600
Standard POE
8GB SD card embedded

VTH5221D/DW-S2
7" TFT Capacitive,
1024x600;
WiFi

VTH1550CH-S2
7" Capacitive
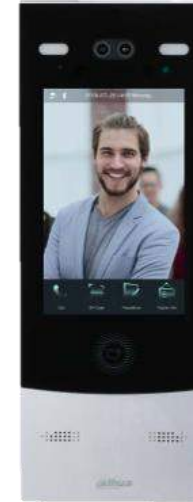Micro SD, Max 32GB
Surface

New Products

10 inch Face Recognition VTO

8 inch Face Recognition VTO

8 inch VTO

Model: VTO9541D
Apartment door Station

- 10 inch Face Recognition VTO
- 2MP, IP65,IK07
- Card(100K),Face(100K)
- Fingerprint(10K)
- Aluminum alloy & Tempered glass,
- Flush

Model: VTO7541G
Apartment door Station

- 8 inch Face Recognition VTO
- 2MP, IP66,IK07
- Card(10K),Face(20K)
- Fingerprint(10K)
- Aluminum alloy & Tempered glass,
- Flush and Surface

Model: VTO7521G
Apartment door Station

- 8 inch VTO
- 2MP, IP66,IK07
- Card(10K)
- Aluminum alloy & Tempered glass,
- Flush and Surface
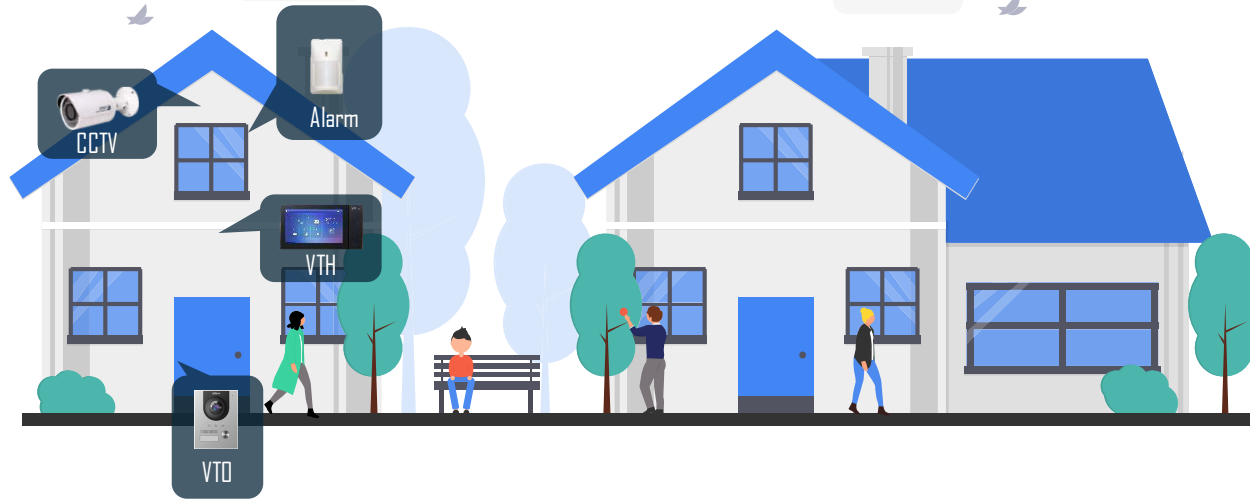
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Villa Intercom Solution
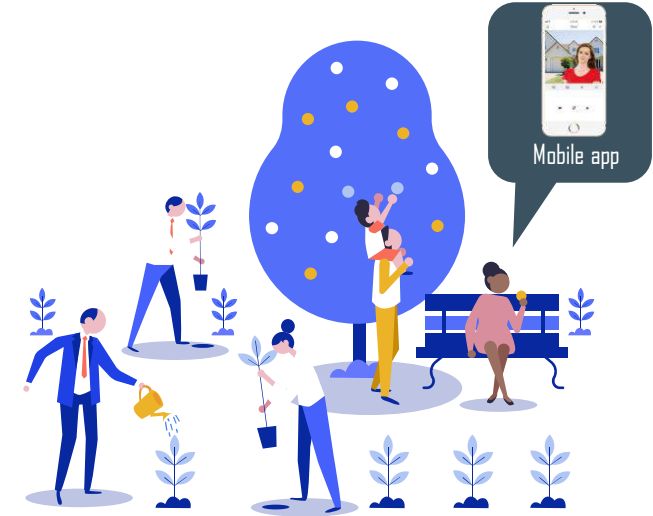
IP and analog solution

Mobile app management

Villa

Villa Scenario

① Visitors call the proprietor and make audio & video intercom;
Door release via indoor monitor;

CCTV

Alarm

VTH

VTO

② Receive the call remotely;
Door release via mobile app;
Alarm push;

Mobile app

Operation Flow

Resident

· Multiple door-release ways: card, password ;
· Receive the call and unlock via the VTH;
· Receive alarm information on VTH or mobile app;
· Preview IPC video on VTH;
· Mobile app: intercom, door release & alarm push;

Visitor

· Visitors call residents through the VTO;
· The resident answers and opens the door;

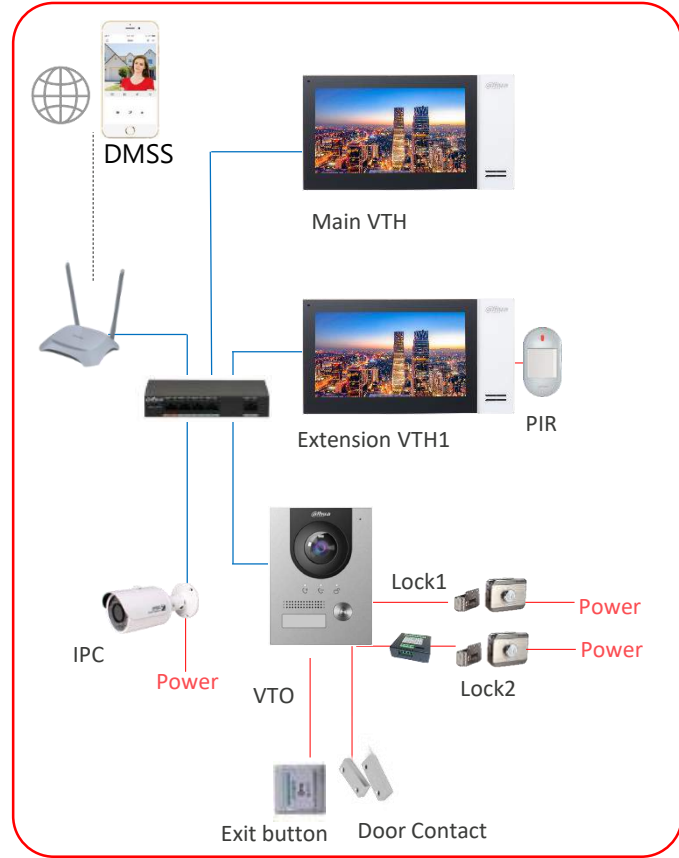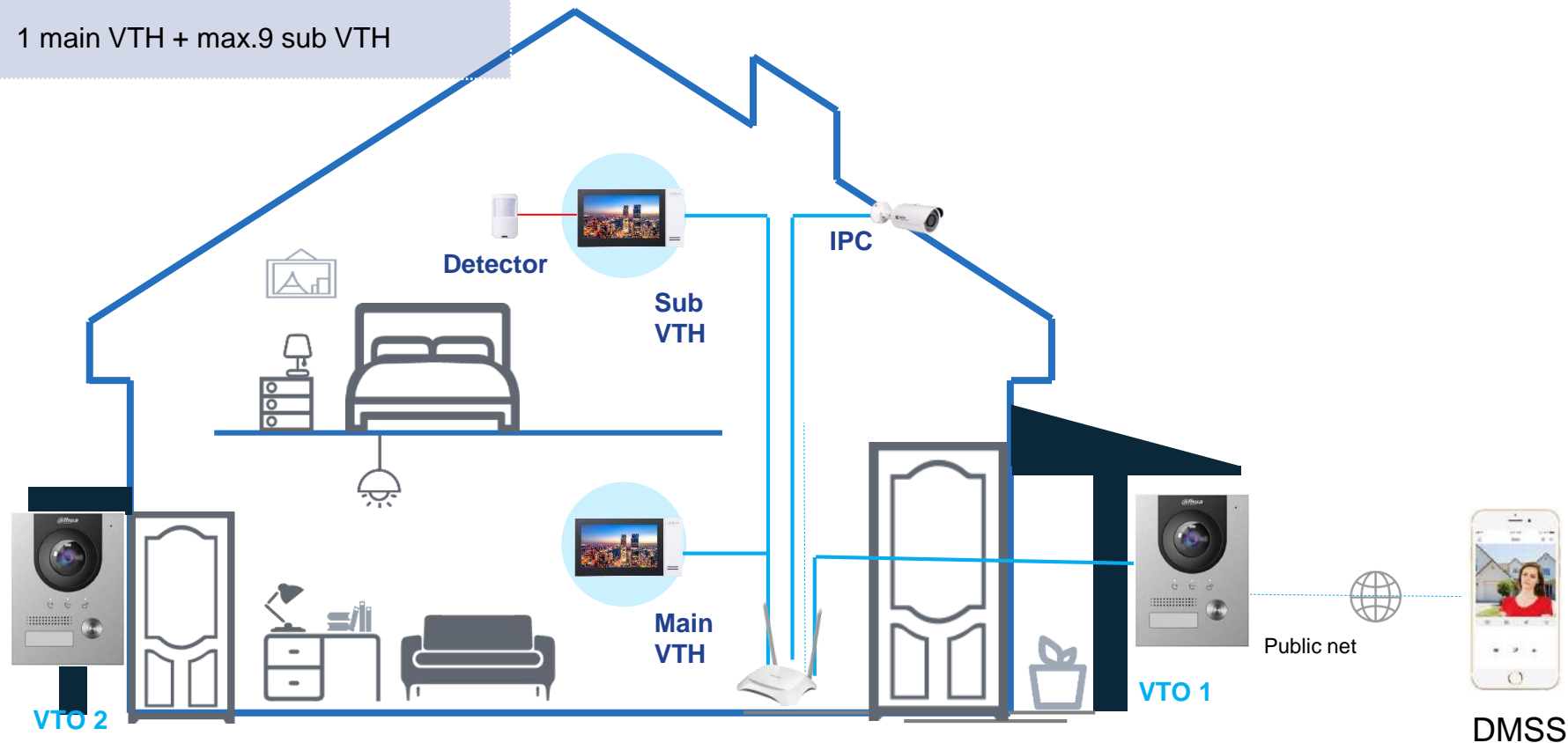alhua
TECHNOLOGY

IP Villa System Architecture

IP Villa System

(per building)

20 Door **+** 10 Monitor

1 main VTH + max.9 sub VTH

Detector

IPC

Sub VTH

Main VTH

VTO 1

VTO 2

Public net

DMSS

DMSS

Main VTH

Extension VTH1

PIR

IPC

Power

VTO

Lock1

Power

Lock2

Power

Exit button

Door Contact
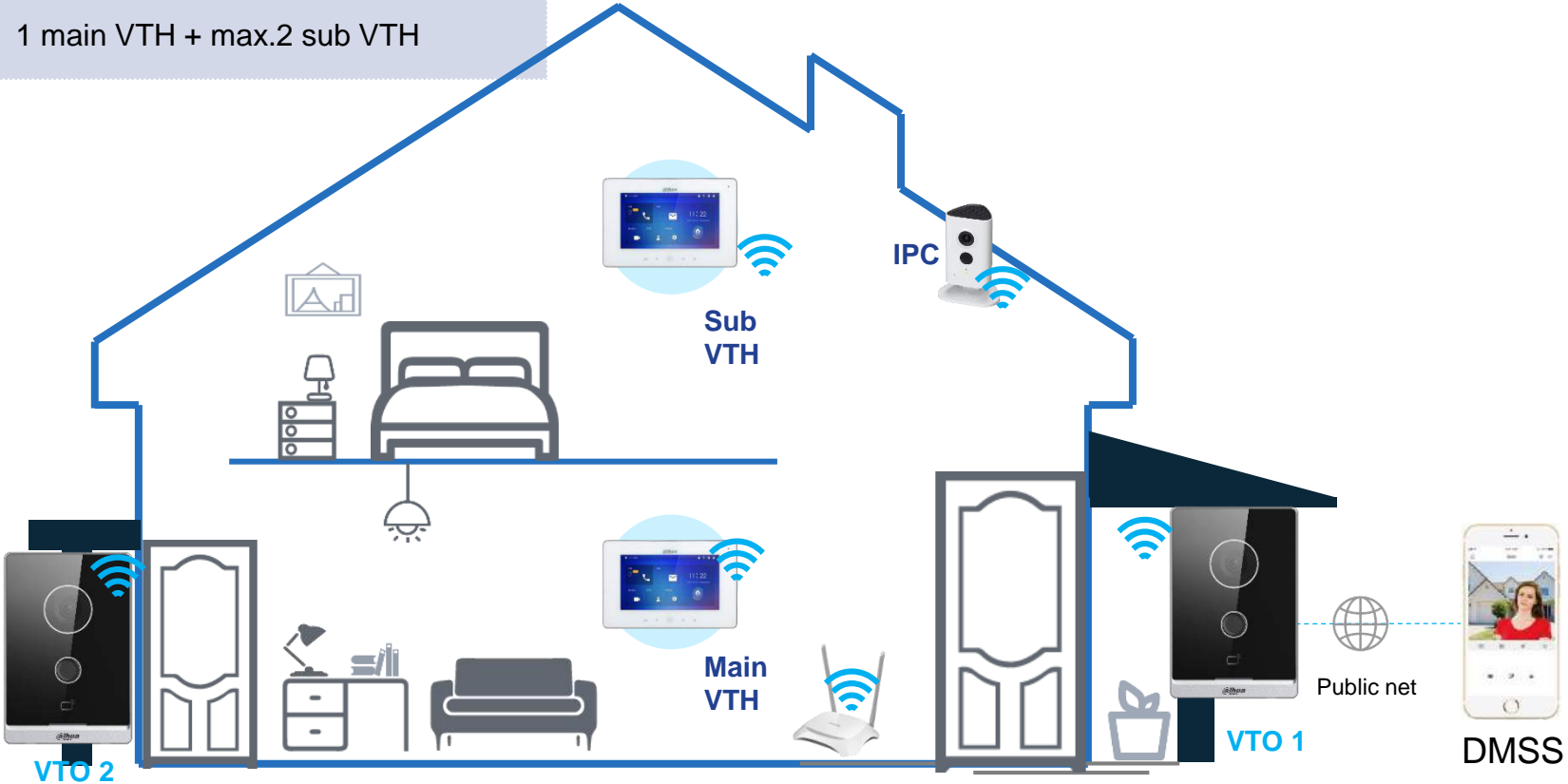
Wifi Villa System Architecture

Wifi Villa System

(per building)

4 Door + 3 Monitor

1 main VTH + max.2 sub VTH

Sub VTH
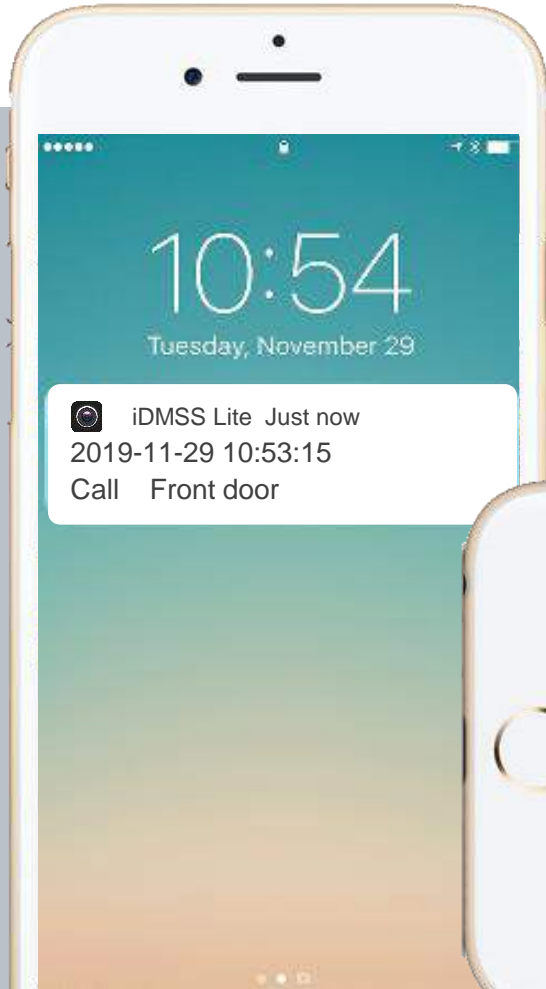
IPC

Main VTH

Public net

DMSS

VTO 2

VTO 1

DMSS

DC12V A

DC12V A

PIR

IPC

VTO

Lock1

Power

Power

Lock2

Exit button

Door Contact

Mobile APP---DMSS

Remote intercom ,Remote door release

Power on   Open the APP   Scan QR code
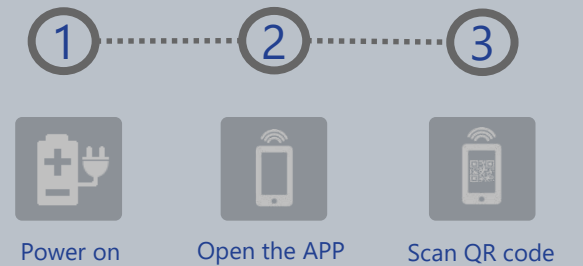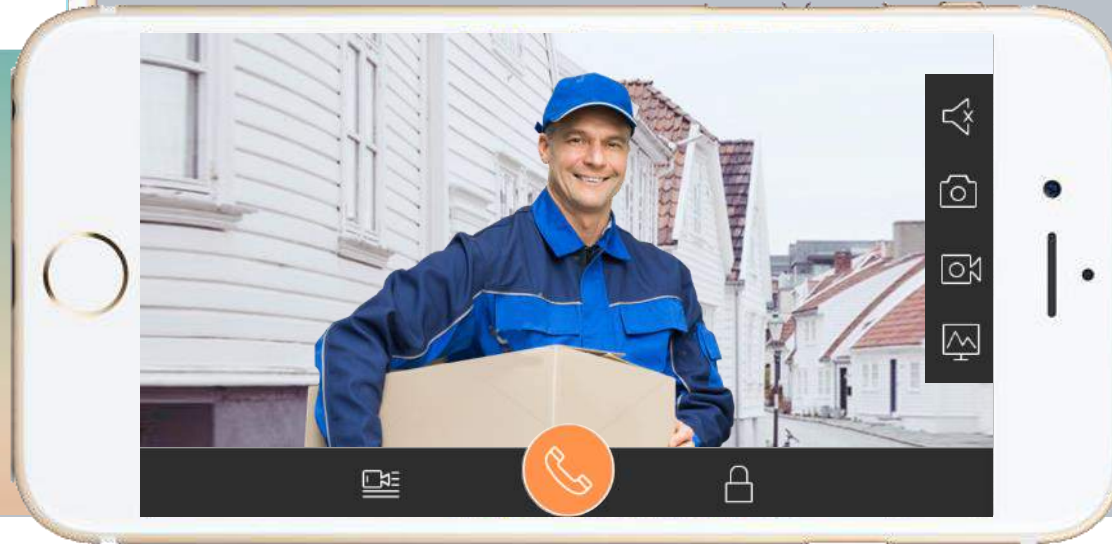
Product selection

IP Villa Door Station

VTO2211G-P/ VTO2211G-WP
2MP, H:125°
IP65
Plastic

VTO3211D-P1-S2/P2-S2/P4-S2
2MP, H:129°
IP65,IK08
Aluminum

VTO2111D-P-S2
2MP, H:107°
IP65
Plastic

VTO2202F-P
IP65,IK07
Aluminum,
Surface and Flush

VTO2101E-P-S1
2MP, IP65,IK10
Aluminum
Surface

VTO3221E-P
2MP, IP65,IK08
Aluminum
Surface and Flush

Product selection

VTH5321GB/GW-W
7" Capacitive
Android 8.1
Standard POE
Micro SD, Max 256GB

VTH5341G-W
10" Capacitive
Android 8.1
Standard POE
Micro SD, Max 256GB

VTH5421E-H/EW-H
7" Capacitive,handset
Standard POE
Surface and desktop
Micro SD, Max 32GB

VTH5441G
10" Capacitive
Embedded 8GB
Surface, standard POE

VTH2421FW/FB-P
7" Capacitive,1024*600
Standard POE
8GB SD card embedded

VTH5221D/DW-S2
7",Capacitive,1024x600
Micro SD, Max 32GB
Surface

KTP01
VTO2202F-P + VTH2421FW-P +
PFS3005-4ET-60
2MP, H:160° fisheye
IP65,IK07
7" capacitive touch screen
Mobile APP DMSS， POE

KTP02
VTO2111D-P-S2 + VTH2421FB-P
+ PFS3005-4ET-36
2MP, H:107°
IP65
7" capacitive touch screen
Mobile APP DMSS， POE

KTW01
VTO2211G-WP + VTH5221DW-S2
2MP, IP65
7" capacitive touch screen
Wi-Fi, POE, Mobile APP DMSS

KTA01
VTO2010D+VTH2020DW
2.0 MP CMOS,
IP65&IK07
7" LCD screen
Plug & Play

KTA02
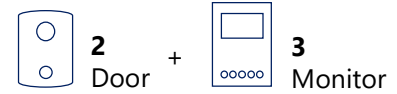**VTO1000J+VTH1020J**
2.0 MP CMOS,
IP66
7" LCD screen
Plug & Play

2020/12

KTA03
VTO1000J+VTH1020J-T
2.0 MP CMOS,
IP66
7" LCD screen
Plug & Play
Snapshot

New Analog System Structure & Highlights

2 Door + **3** Monitor

2MP 2MP CMOS camera

Night Vision

Alarm Integration

Group Call

New products(Accessories)

VTM01R2
Rain cover with vertical pole for two modules
(For VTO4202F-P Series)

VTM02R2
Surface mounted rain cover for two modules
(For VTO4202F-P Series)

VTM03R3
Surface mounted rain cover for three modules
(For VTO4202F-P Series)

VTM04R4
Surface mounted rain cover for 2*2 modules
(For VTO4202F-P Series)

VTM06R6
Surface mounted rain cover for 2*3 modules
(For VTO4202F-P Series)

VTM05R
Surface mounted rain cover
(For VTO2202F/VTO2201F Series)

VTM07R
Surface mounted rain cover,   It has the function of receiving the cable
(For VTO3211D-P1/P2/P4 Series)

VTM08R
Surface mounted rain cover
(For VTO3221E/VTO6221E series)

VTM09R
Surface mounted rain cover
(For VTO2211G Series)

Thanks