

2-WIRE HD Video Intercom System

See Clearly. Upgrade Easily.



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An ideal solution for modernizing out-of-date intercom systems by utilizing the existing infrastructure of apartments

INDUSTRY PIONEER

Hikvision Video Intercom enjoys the largest global market share in the market, with more than 10,000,000 devices are being used worldwide. With a R & D team of more than 1,000 engineers, we are making continuous efforts to deliver more delicate products for our customers.



No.1 Global Market Share



1,000+ Engineers



1,000,000+ Devices



2-Wire HD Video Intercom System

Hikvision's 2-Wire HD Video Intercom System is an ideal solution for apartment intercom retrofitting & new apartments to cater to the growing needs of residents for security and convenience. No additional infrastructure investment is

needed, and installation is simple since existing wires can be reused. Owners and renters alike will enjoy friendly, helpful intercom functionality every day, even on the go.

Apartment intercom retrofitting

- Upgrade existing system
- Reuse original cabling
- Reduce costs

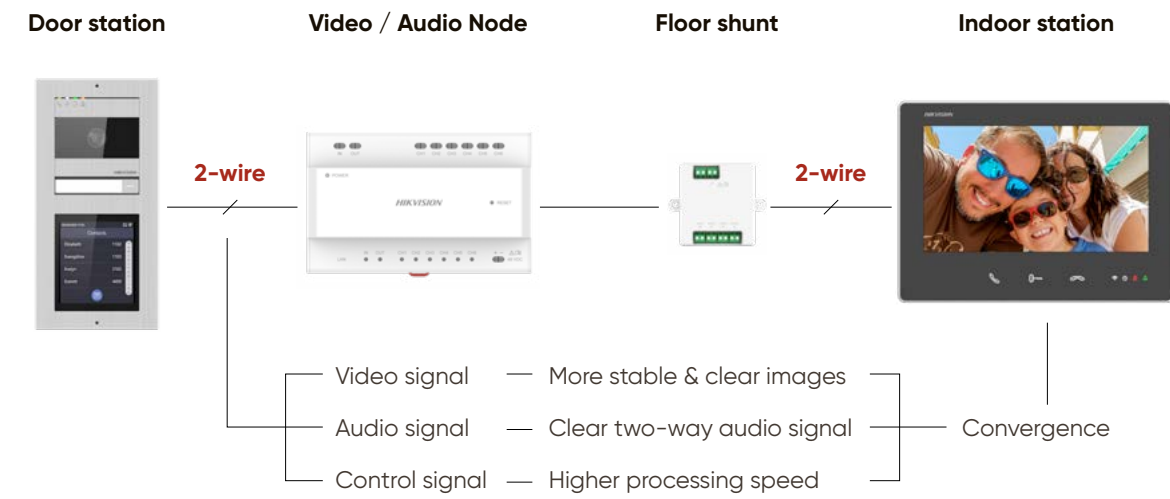


The solution is also suitable for new apartment & villa projects.



Industry-leading 2-Wire HD Solution

What sets us apart from competitors is the ability to transmit HD images with larger bandwidth and enhanced signals over the same 2-wire cabling.



The system also features high performance and large capacity, satisfying a wide range of scenarios from small to large.

System Max. Capacity

99 rooms 1584 indoor stations	Apartments
256 units	Door stations
16 units	Buildings
10 units	Outer door stations
1760 m	Outer door stations

EASY RETROFIT

Upgrading an old intercom system can get complicated over time. But by choosing Hikvision's 2-wire video intercom solution, things stay simple for projects of any scale. You can simply reuse the existing wiring of legacy infrastructure. Installation is quick, easy, and cost-effective.



2-wire



2-wire

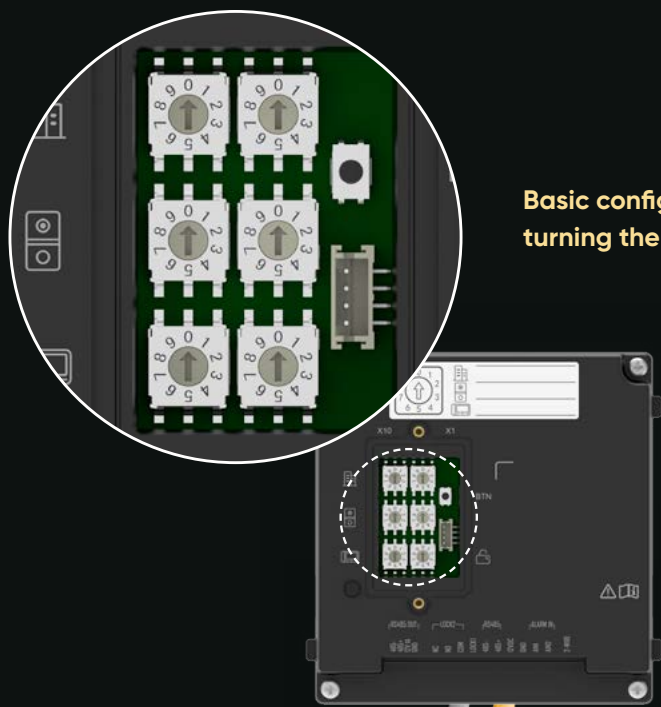


Image acquisition

- 2MP image acquisition
- WDR
- Low illumination image enhancement
- Wide field of view

PLUG & PLAY

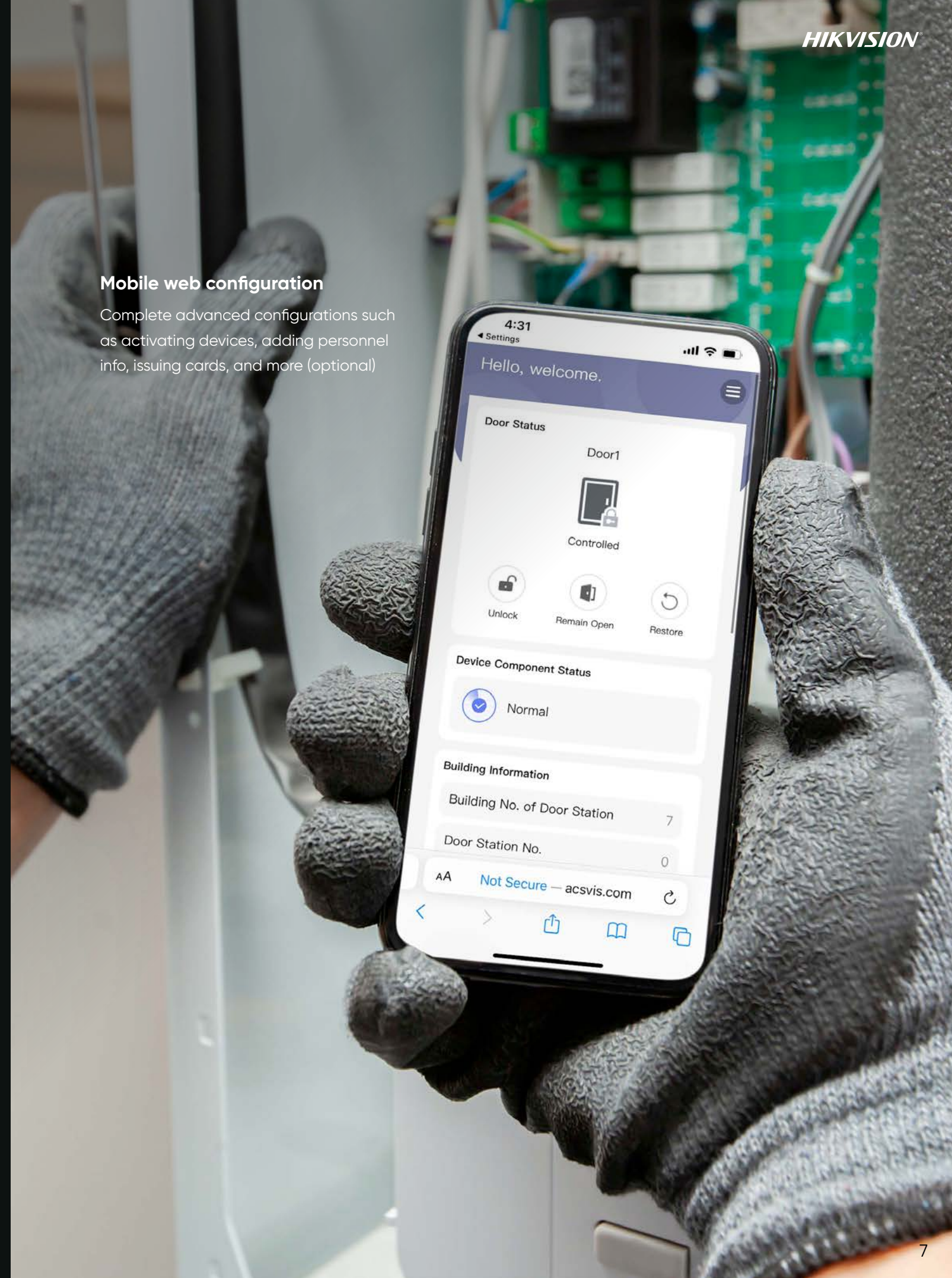
To set up the system, installers simply need to power it on. Basic configurations can easily be done using the DEC knobs on the device, while all the following advanced configurations can be completed using a mobile phone with AP mode on.



Basic configurations by turning the DEC knobs

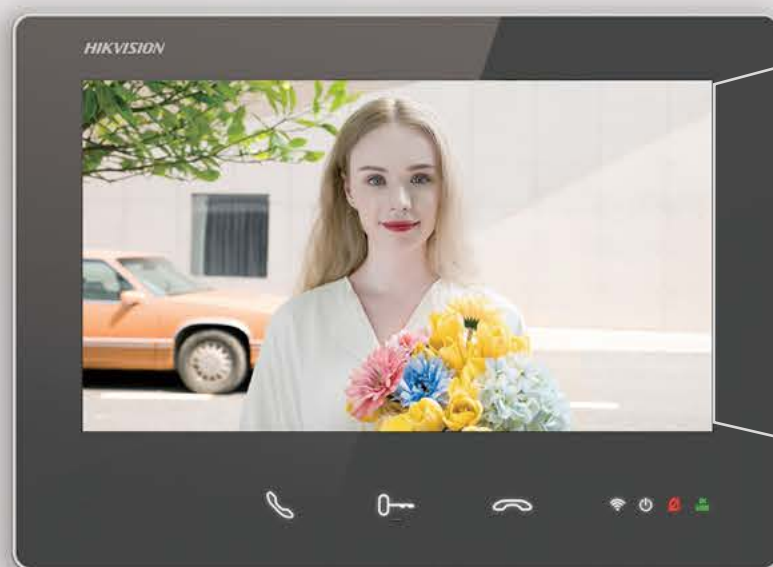
Mobile web configuration

Complete advanced configurations such as activating devices, adding personnel info, issuing cards, and more (optional)



GREAT IMAGE QUALITY

Supreme image quality gets powered by industry-leading 2-wire data transmission technology and professional video capabilities. Users will love the crystal clear visual information.



2 MP Resolution



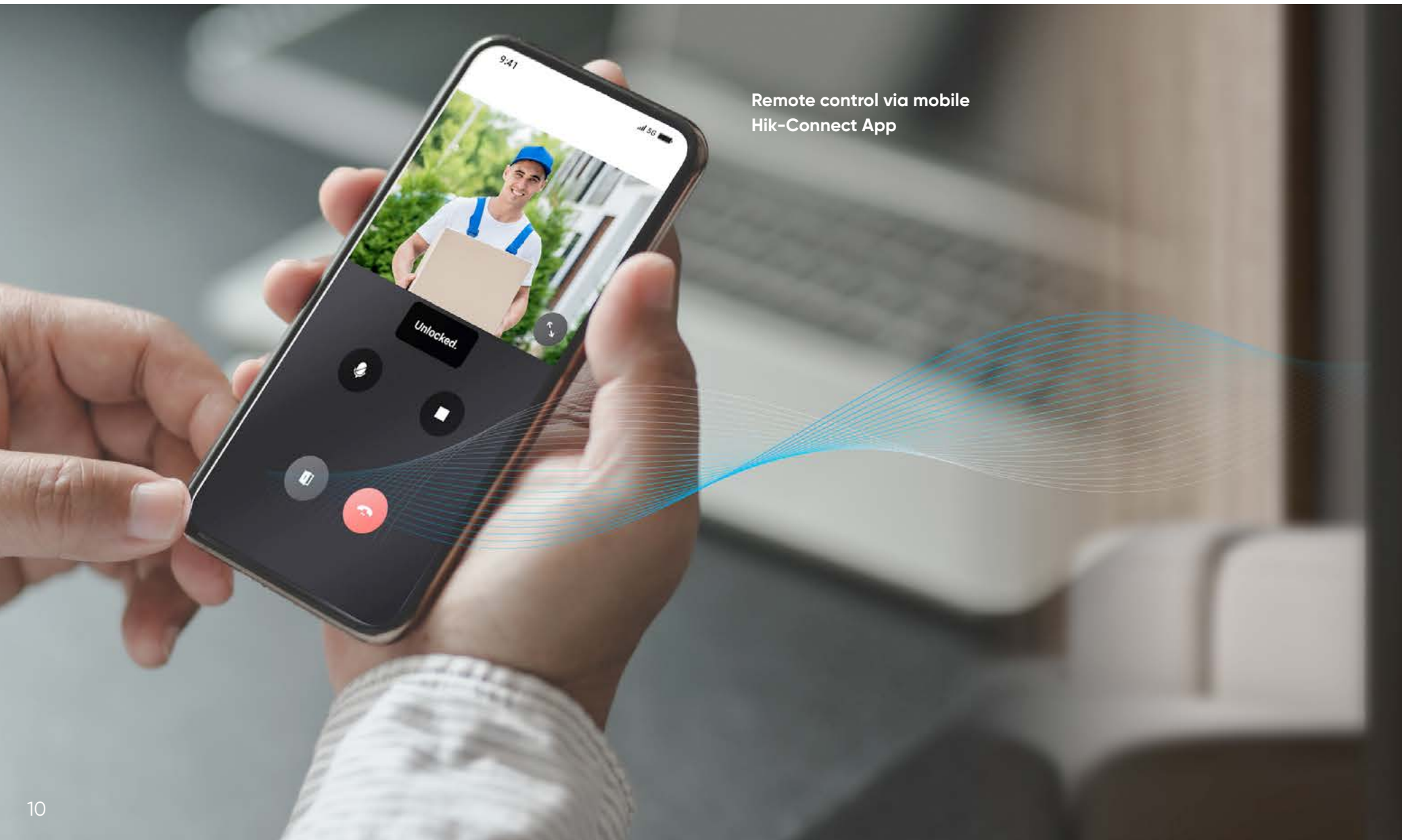
WDR & Low-illumination



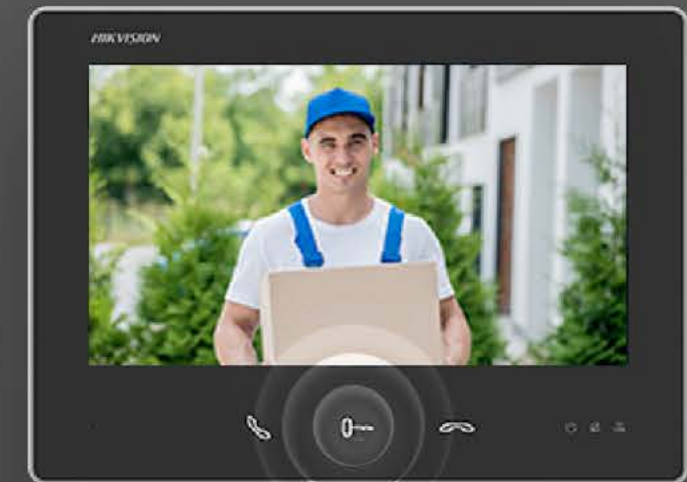
Wide Angle Viewing

ABUNDANT FEATURES WITH INTUITIVE CONTROLS

Enjoy abundant intercom features with enhanced user interaction. The flexible mobile control allows users to talk to visitors, receive calls, check live video feeds, & unlock doors remotely from anywhere, at any time.



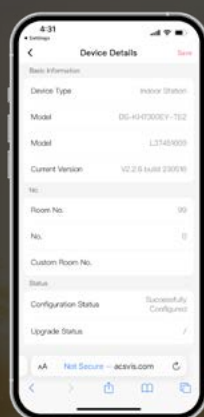
Remote control via mobile Hik-Connect App



7" touchscreen for easy use

EASY TO MAINTAIN

The system features easy operation and maintenance. Device connection status can be easily checked using mobile web or the floor shunt, locating problems within a few seconds, which saves time and money a lot.



01

Intuitive maintenance via mobile web



02

Light flashing - connection succeeds
Light off - connection fails



Common Topologies & System Capacity

Our solution offers flexible wiring solutions to cater to diverse apartment installation environments, including daisy chain connection, star connection, daisy chain & star combined connection, as well as multiple building connection.

Door Station



DS-KD7003 Series
Modular Door Station

Indoor Station



DS-KH7300EY-WTE2
DS-KH7300EY-TE2

Distributor



DS-KAD7060EY
DS-KAD7060EY-S
(for building extensions)



DS-KAD7061EY

Power Supply



DS-KAW150-4N

Single Building Topology

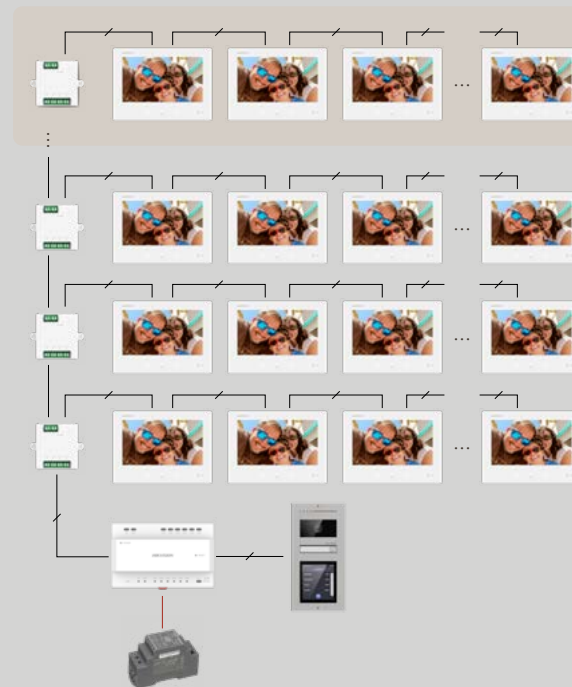
The whole system is powered by **1 power supply**

Max. **22 indoor stations with Wi-Fi** or **64 without Wi-Fi** in one building
(AWG20 or better cable quality required)

Max. **16 floor shunts** DS-KAD7061EY can be cascaded

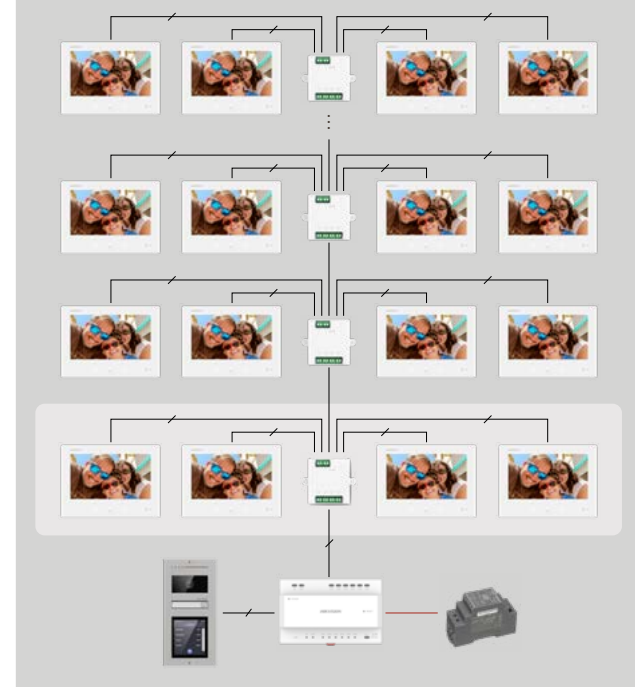
Daisy Chain Connection

For each floor, the system supports connection of max. **8 indoor stations** via one port of the floor shunt



Star Connection

For each floor, the system supports connection of max. **4 main indoor stations** from 4 ports of the floor shunt



— 2-wire cable
— Power cable



Single Building Extension Topology

- The distributor DS-KAD7060EY can be cascaded and powered by **2 power modules** for system extension
- Support connection of max. **99 indoor stations without Wi-Fi, or 44 with Wi-Fi**

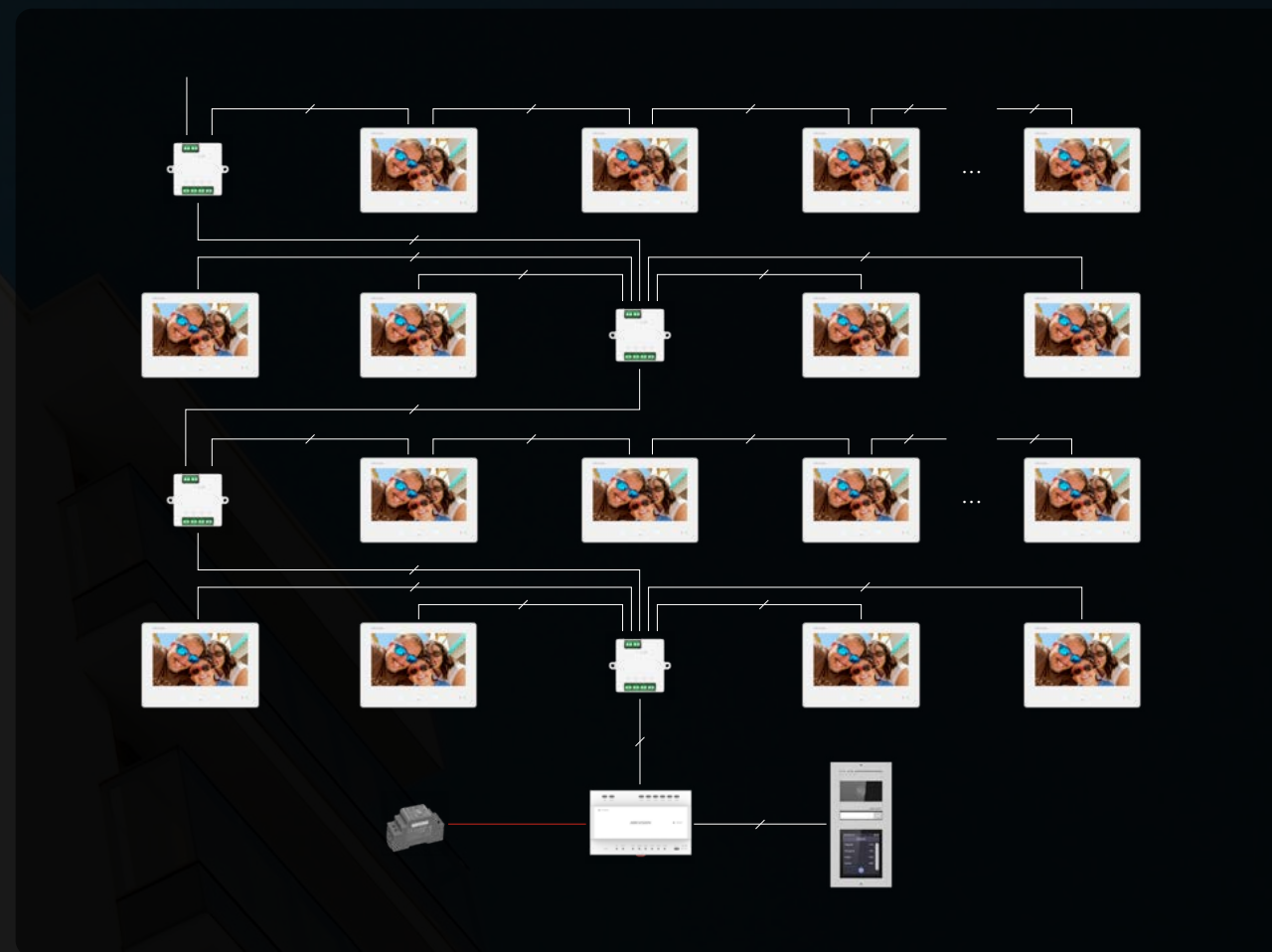
2 power supply modules



—/— 2-wire cable
— Power cable

Single Building Daisy Chain & Star Connection Combined Topology

- The whole system is powered by **1 power supply**
- Due to system power consumption limitation, you can add another power supply module when the indoor station number exceeds **64 without Wi-Fi, or 22 with Wi-Fi**



—/— 2-wire cable
— Power cable

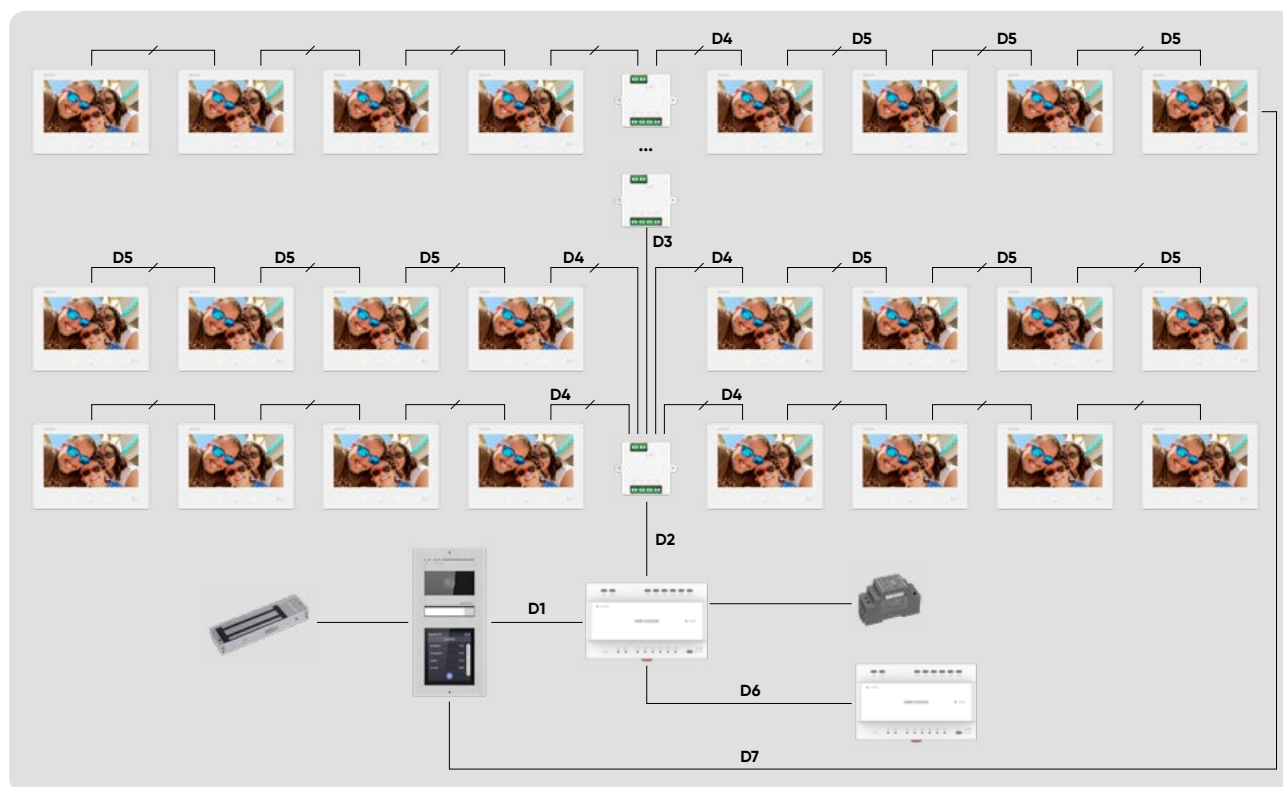
Multiple Buildings

Topology to Satisfy Requirements of Larger Residential Scenarios

- Max. **16 buildings** can be connected in the same system via DS-KAD7060EY-S
- Max. **10 outdoor stations** can be connected
- Max. **16 sub-door stations** can be connected



Maximum system wiring capacity



Wire	D1	D2	D3	D4	D5	D6	D7
UTP 5 0.2 mm 2 (Cat.5) AWG24 (max. wiring distance)	60 m	60 m	60 m	60 m	100 m	60 m	140 m
0.28 mm 2 (TP) AWG23 (max. wiring distance)	60 m	40 m	40 m	40 m	80 m	40 m	160 m
0.5 mm 2 (parallel) AWG20 (max. wiring distance)	60 m	60 m	60 m	60 m	100 m	60 m	180 m
1 mm 2 (parallel) AWG17 (max. wiring distance)	60 m	60 m	60 m	60 m	100 m	60 m	260 m
1 mm 2 (TP) AWG17 (max. wiring distance)	60 m	40 m	40 m	40 m	80 m	40 m	260 m
1.5 mm 2 (parallel) AWG15 (max. wiring distance)	60 m	40 m	60 m	60 m	100 m	60 m	260 m

Max. **48** indoor stations without Wi-Fi, or **22** with Wi-Fi

Max. **64** indoor stations without Wi-Fi, or **22** with Wi-Fi

Note: Cat.5 = Category 5 line, TP = Twisted-pair cable

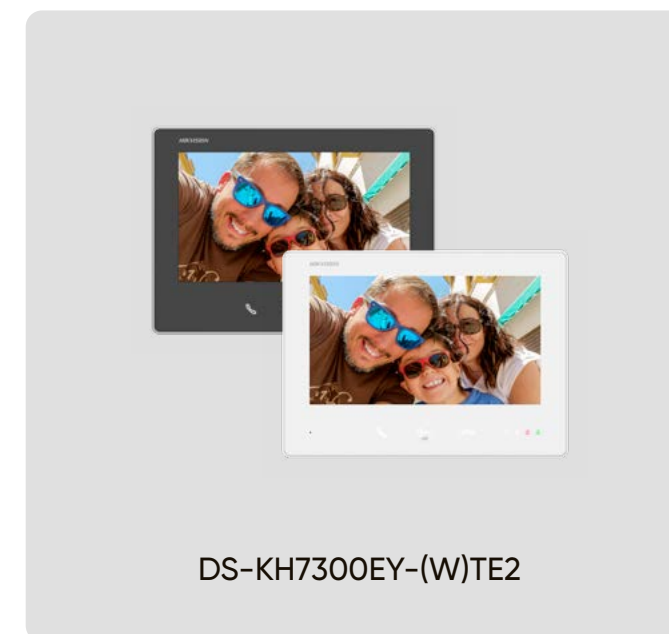
PRODUCT SHOWCASE

Indoor Station

The indoor station boasts a chic geometric design that easily complements any interior.

Its Braille-guided unlocking button ensures effortless operation for visually impaired users.

The glass panel with touch buttons not only streamlines the interface.



Easy to Use

- DEC knobs configuration
- Plug & play
- Supports different connection topologies
- Supports Hik-Connect App (model with Wi-Fi)
- Max. 4 custom virtual buttons
- Multiple indicators - Wi-Fi, power, mute, in use

More Functions and Extensions

- View live feeds from door stations
- Upgrade via TF card
- Supports Professional Studio / Trade button (Open doors automatically)
- Supports floor call (Used as a door bell)



Door Station

The door station design prioritizes simplicity and functionality. And the modular design adds flexibility to various user scenarios

The removable cover allows for easy volume adjustments, and the detachable name tag design enhances efficiency in maintaining and changing name tags.

The stainless steel wire drawing process adds delicate texture to the product.

Excellent Product Design

- HD images with WDR and wide FOV
- Many sub-modules to select

Easy to Use

- Support mobile web configuration (AP mode)
- DEC knobs configuration
- Plug & play
- Multiple indicators - Opening door, calling, on call, in use
- Single and double buttons can be freely adjusted

More Functions and Extensions

- Supports two-lock control
- Power supply for 1 lock



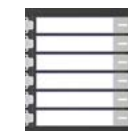
Flexible modular design

- Diverse models with different specifications
- Catering to various application scenarios apartments

2nd Video Intercom Brackets



DS-KD-ACW3 DS-KD-ACW3/S DS-KD-ACF3/Aluminum



DS-KD-KK
Nametag module



DS-KD-KK/S
Stainless steel
Nametag module



DS-KD-IN
Indicator module



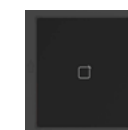
DS-KD-KP
Keypad module



DS-KD-KP/S
Stainless steel
Keypad module



DS-KD-BK
Blank module



DS-KD-E
EM/M1 reader module



DS-KD-INFO
INFO module



DS-KD-TDM
Touch & display
module





Floor Shunt & Distributor

- Indicators show system status
- Various interfaces to connect different devices
- Compact size to suit different scenarios (KAD7061EY)
- No power supply required (KAD7061EY)



PRODUCT SPECIFICATIONS




2-wire HD Indoor Station

Available Models	DS-KH7300EY-TE2	DS-KH7300EY-TE2/White	DS-KH7300EY-WTE2	DS-KH7300EY-WTE2/White
Image				
Color	Black	White	Black	White
Indicators	3 (Power, Mute, In Use)	3 (Power, Mute, In Use)	4 (Wi-Fi, Power, Mute, In Use)	4 (Wi-Fi, Power, Mute, In Use)
Wi-Fi	/	/	Support	Support
Screen Size	7-inch	7-inch	7-inch	7-inch
Operation Method	Capacitive touch screen	Capacitive touch screen	Capacitive touch screen	Capacitive touch screen
Resolution	1024 × 600	1024 × 600	1024 × 600	1024 × 600
Touch Button	3	3	3	3
Mobile Control	/	/	Support	Support
Linked Indoor Extensions Capacity	3	3	3	3
Alarm Input	1	1	1	1
Dimensions	190.2 × 138.2 × 20 mm	190.2 × 138.2 × 20 mm	190.2 × 138.2 × 20 mm	190.2 × 138.2 × 20 mm

2-wire HD Door Station

Available Models	DS-KD7003EY-IME2	DS-KD7003EY-IME2/Aluminum
Image		
Material	Stainless Steel	Aluminum
FOV	Horizontal: 133°, Vertical: 82°	Horizontal: 133°, Vertical: 82°
WDR	Support	Support
Resolution	2 MP	2 MP
Lock Control	2	2
Indicators	4 LED lights (Opening door, Calling, Intercom, In Use)	4 LED lights (Opening door, Calling, Intercom, In Use)
Button	0-2 (Flexible adjustment)	0-2 (Flexible adjustment)
Protective Level	IP65, IK08	IP65, IK08
Dimensions	99.5 × 98.5 × 35 mm	99.5 × 98.5 × 35 mm
Application Environment	Outdoor	Outdoor

2-wire HD Distributor

Available Models	DS-KAD7061EY	DS-KAD7060EY	DS-KAD7060EY-S
Image			
Two-Wire Interface	4 (Two-Wire interface for indoor station)	8 ("IN""OUT" for cascading, CH1-CH6 for door station and indoor station)	8 ("IN""OUT" for cascading DS-KAD7060EY-S, CH1-CH6 for cascading DS-KAD7060EY)
Signal Indicators	6	8	8
Cascade Interface	2	2	2
Installation	Surface mounting / distribution room	DIN rail installation	DIN rail installation
Dimensions	70.6 × 60 × 25 mm	143.7 × 92.4 × 65.9 mm	143.7 × 92.4 × 65.9 mm