

2-WIREHD
Video Intercom System
See Clearly. Upgrade Easily.



2-WIREHD
Video Intercom System
See Clearly. Upgrade Easily.



www.hikvision.com
support@hikvision.com



HIKVISION

HIKVISION

An ideal solution for modernizing out-of-date intercom systems by utilizing the existing infrastructure of apartments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

Residential building intercom retrofitting

- Upgrade existing system
- Reuse original cabling
- Reduce costs

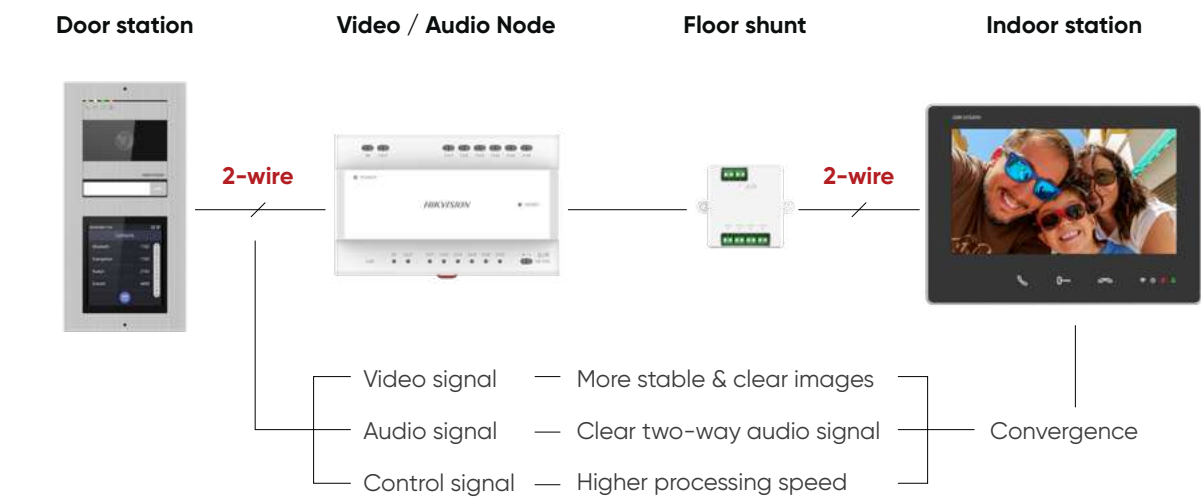


The solution is also suitable for new apartment & villa projects.



Industry-leading 2-Wire HD Solution

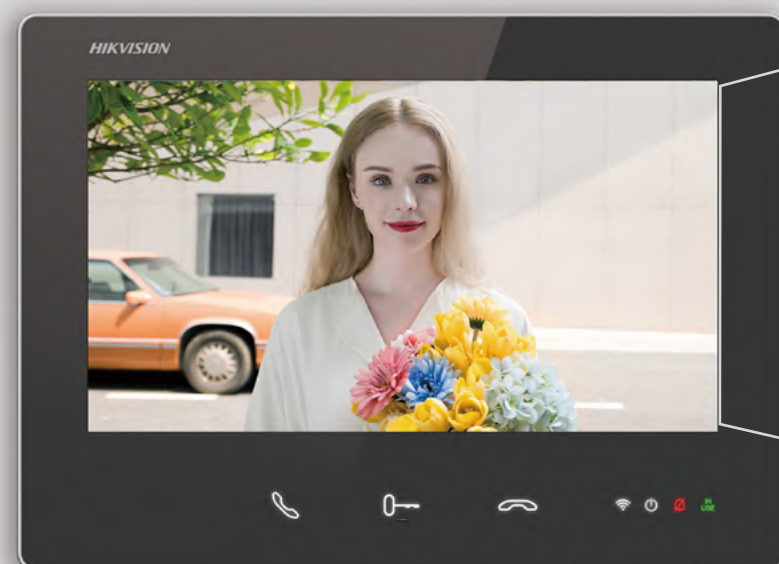
What sets us apart from competitors is the ability to transmit HD images with larger bandwidth and enhanced signals over the same 2-wire cabling.



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

System Max. Capacity	
99 units	Buildings
500 units	Devices
17 units	Door stations per building
400 units	Indoor station per building
10 units	Outer door stations

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



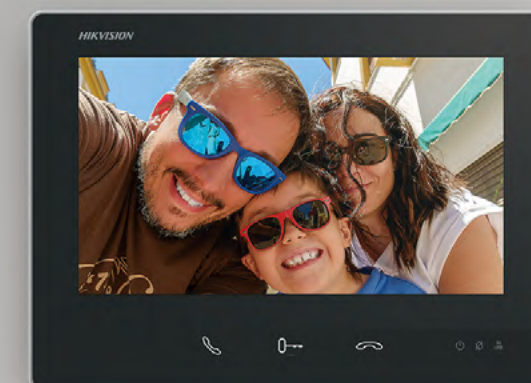
WDR & Low-illumination



Wide Angle Viewing

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

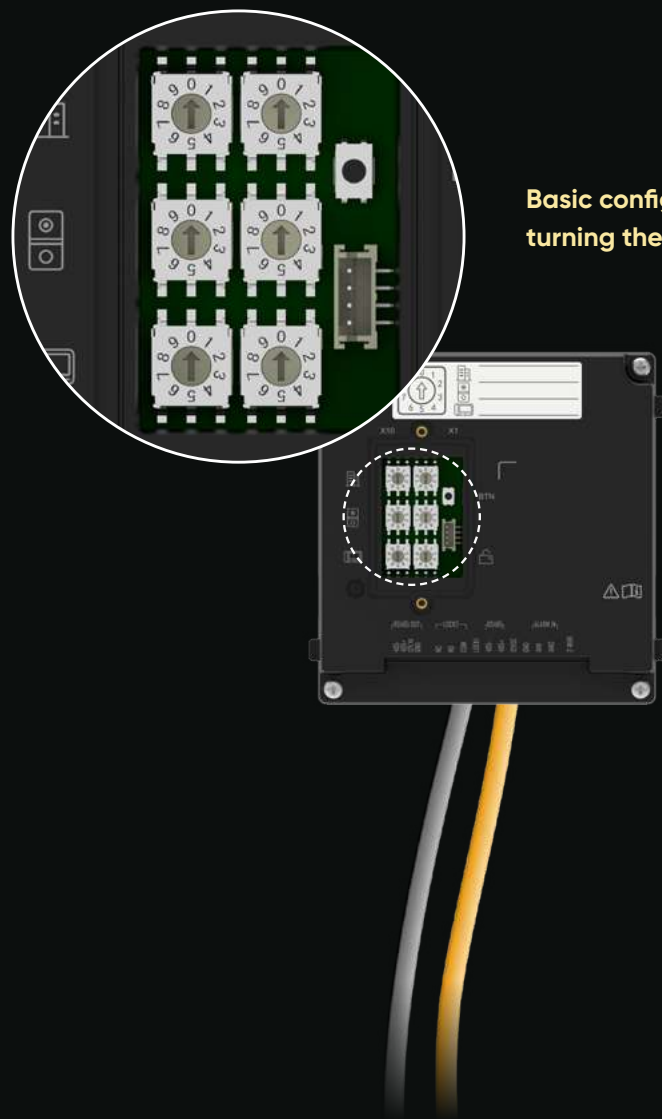


Image acquisition

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

PLUG & PLAY

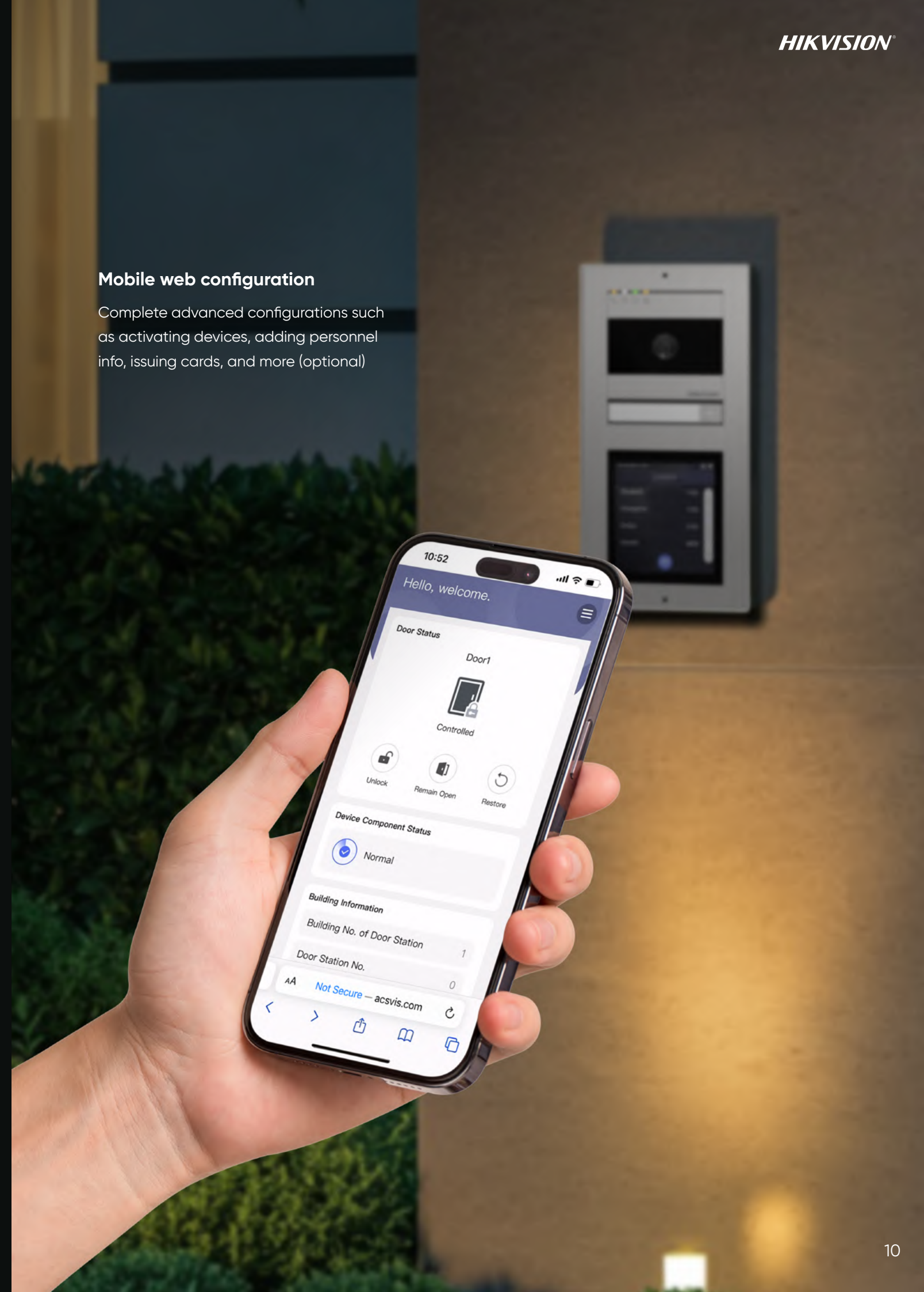
To set up the system, installers simply need to power it on. Basic configurations can easily be done using the DEC knobs on the device, while all the following advanced configurations can be completed using a mobile phone with AP mode on.



Basic configurations by turning the DEC knobs

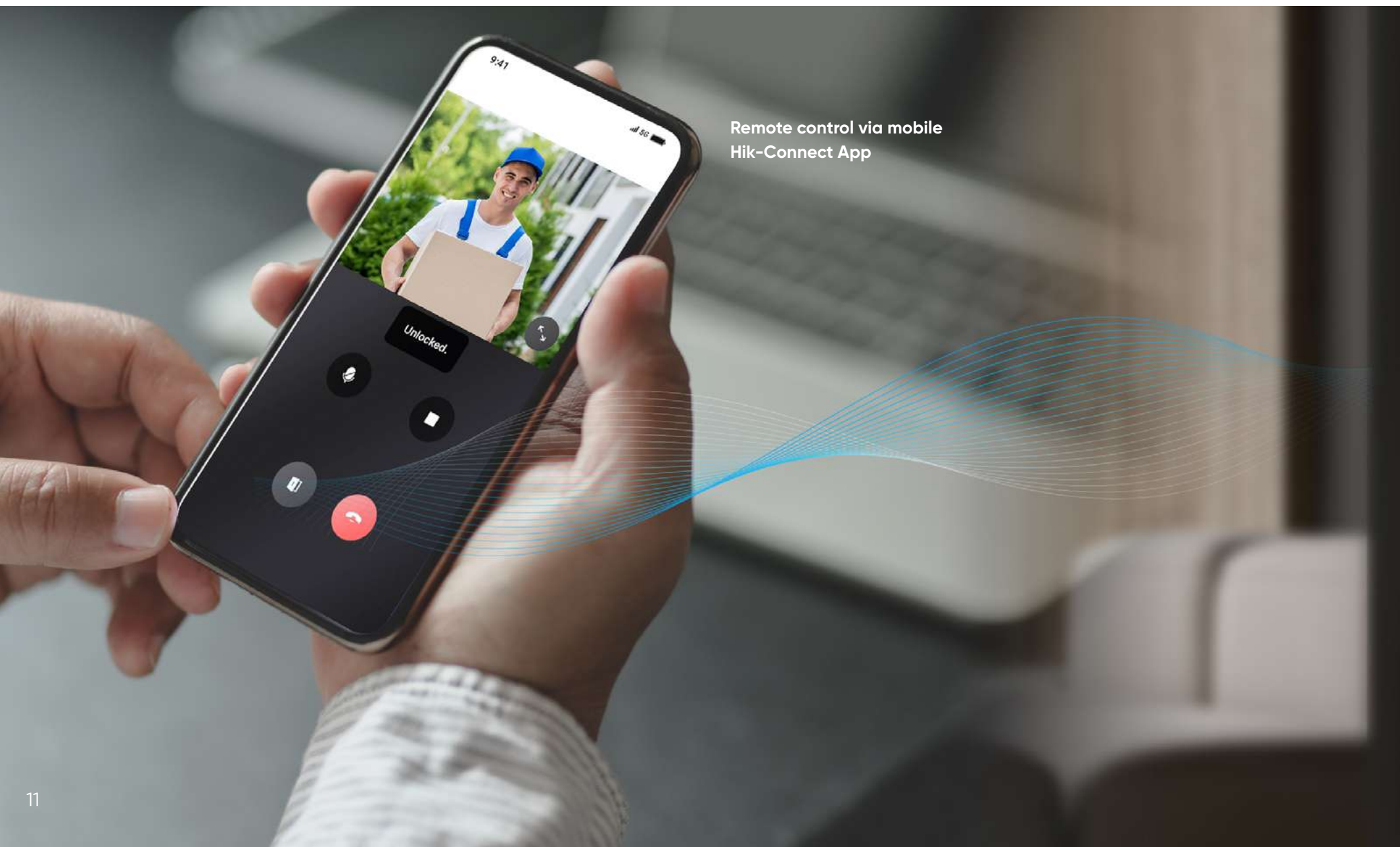
Mobile web configuration

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

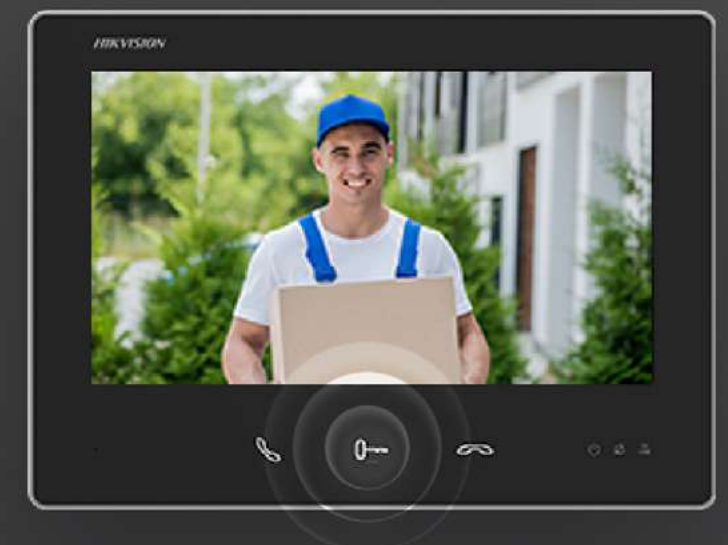


SEAMLESS CONTROL, UNIFIED MANAGEMENT

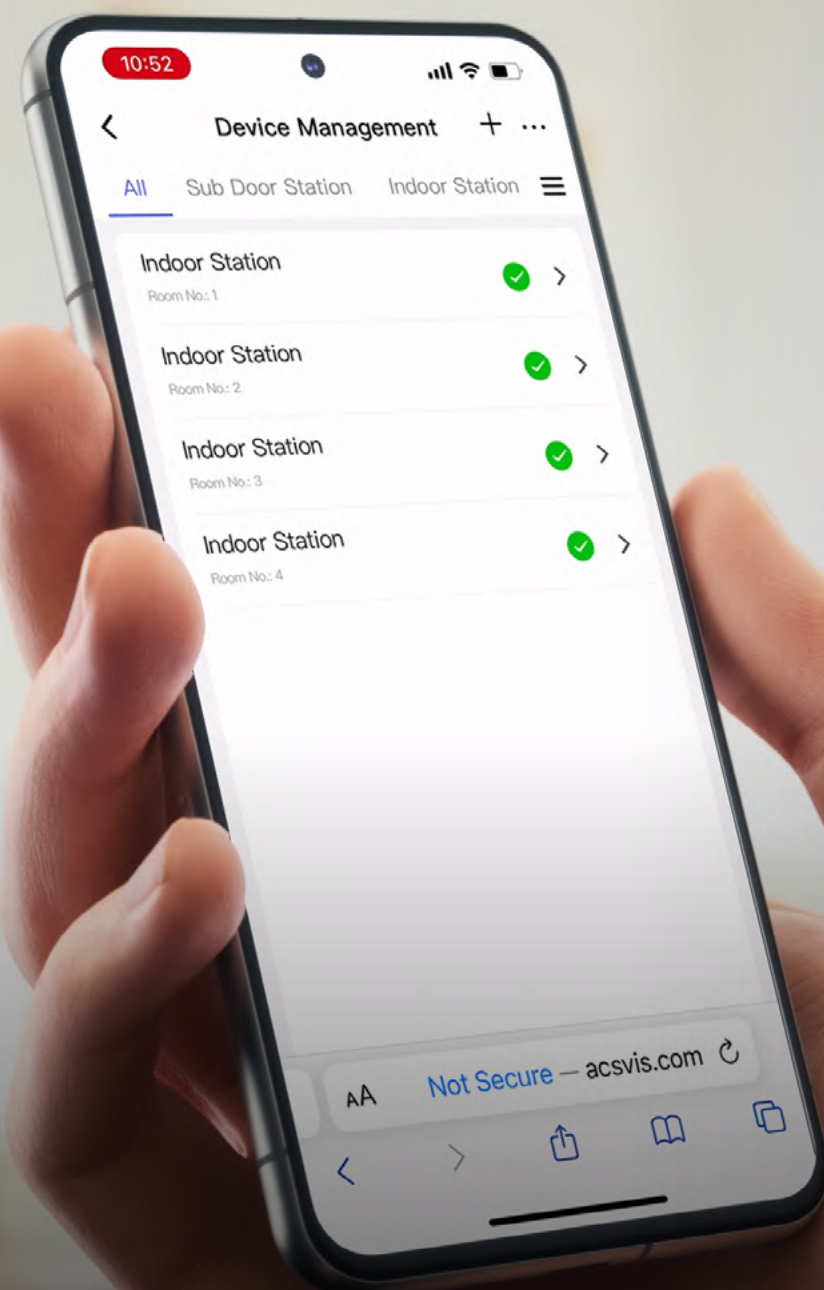
Experience the future of intercoms with enhanced user interaction. Enjoy remote access to talk, call, view live video, and unlock doors from anywhere, anytime. Plus, seamlessly manage your 2-wire HD system, video security, access control, and alarms through a single mobile app.



Remote control via mobile
Hik-Connect App



7" touchscreen for easy use



Floor shunts

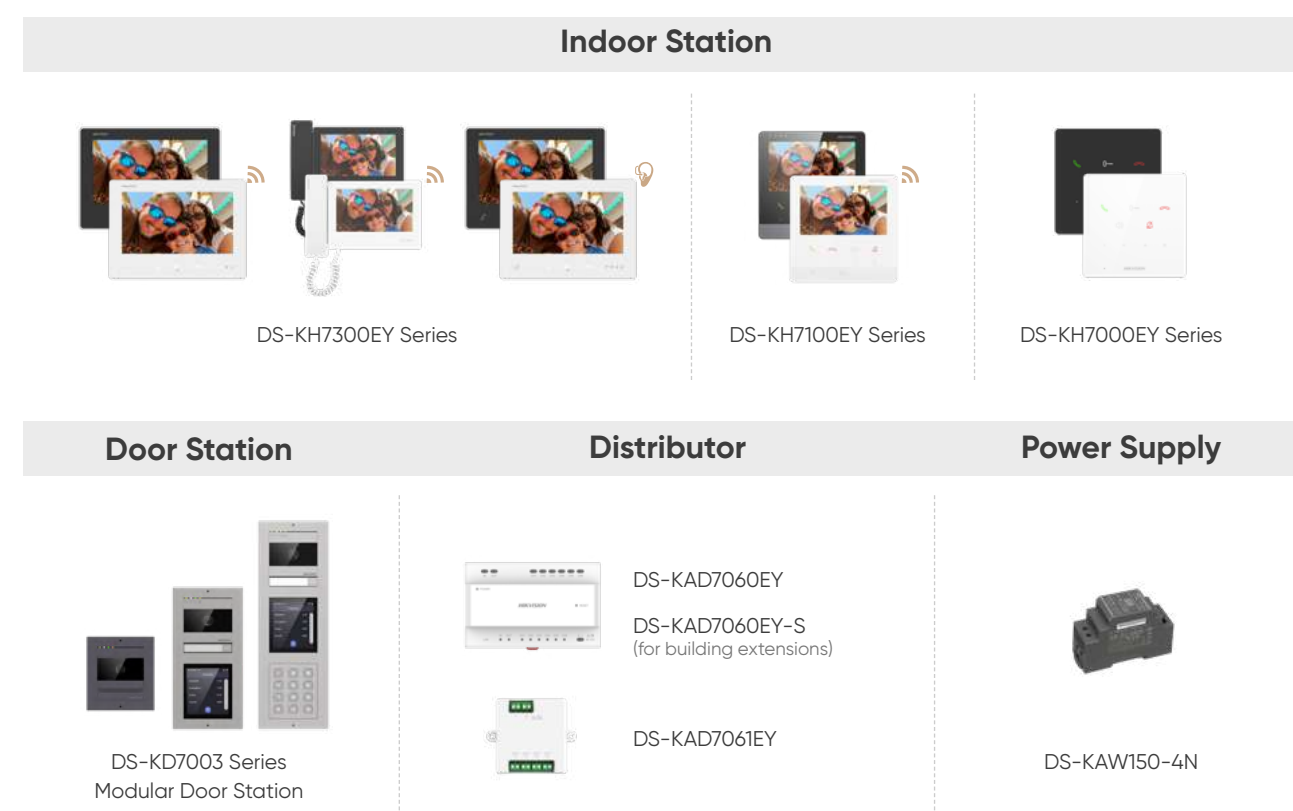
Light flashing - connection succeeds

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.

COMMON TOPOLOGIES & SYSTEM CAPACITY

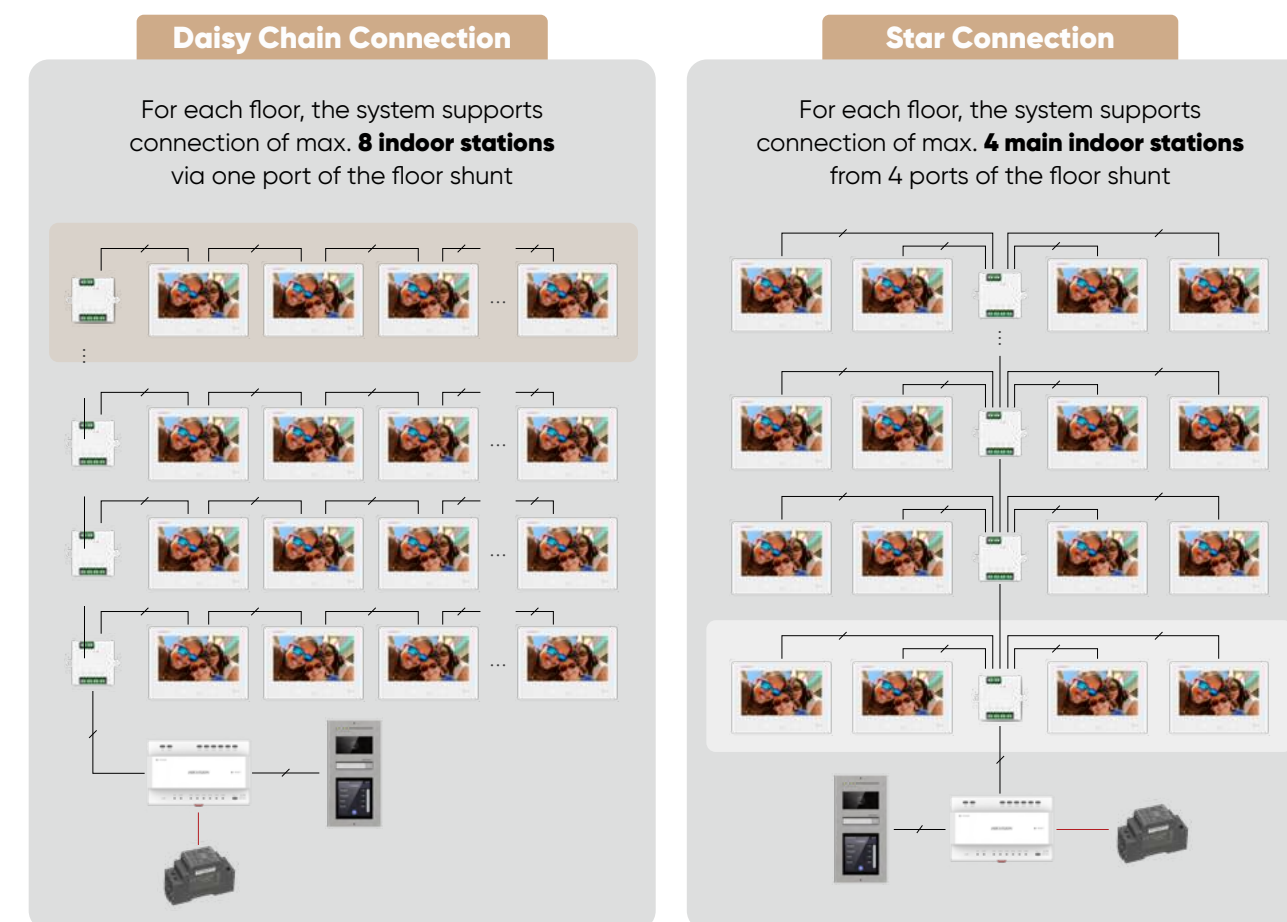
Our solution offers flexible wiring solutions to cater to diverse apartment installation environments, including daisy chain connection, star connection, daisy chain & star combined connection, as well as multiple building connection.



Single Building One 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



— 2-wire cable
— Power cable

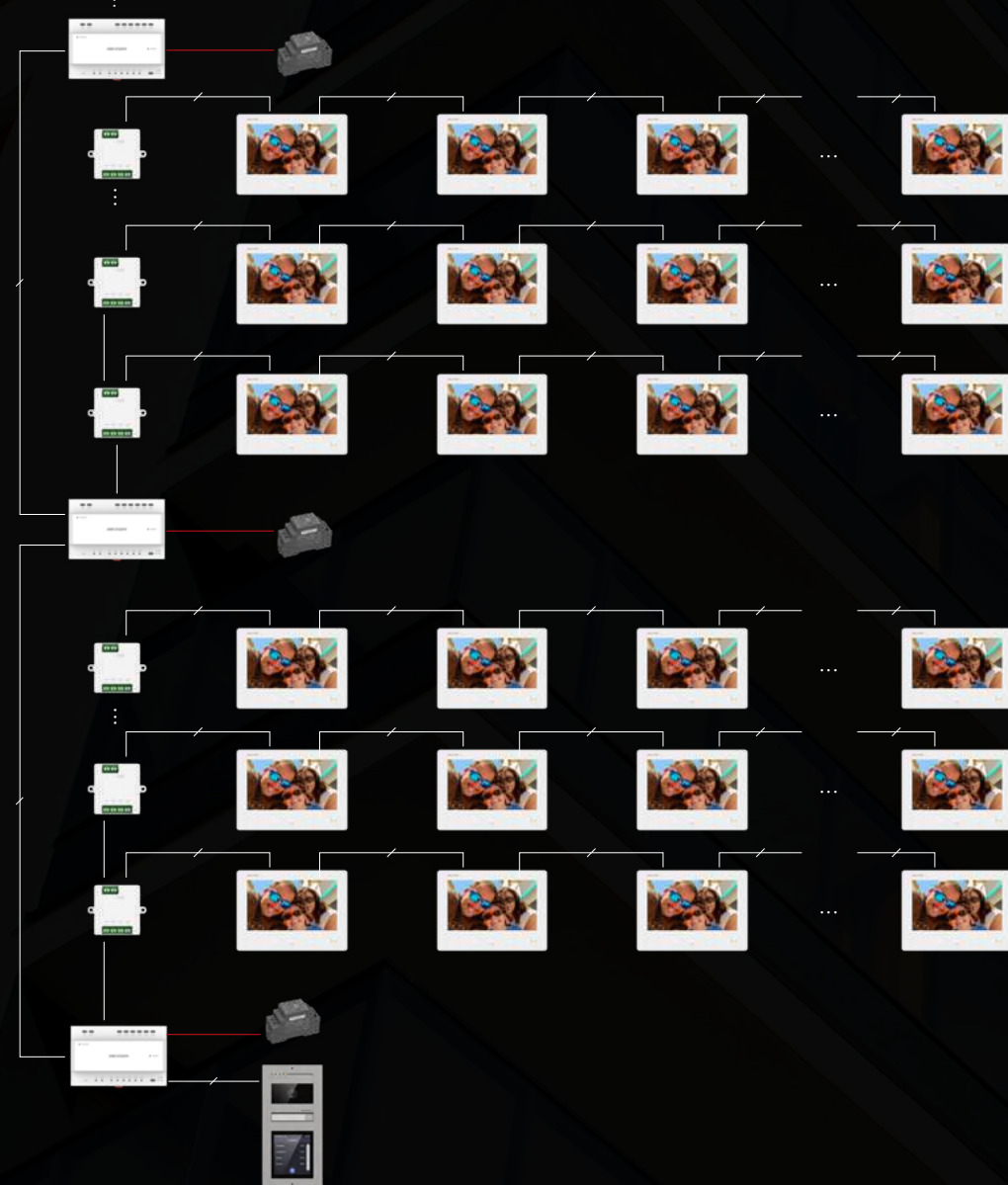


Single Building

Multiple Power Supplies

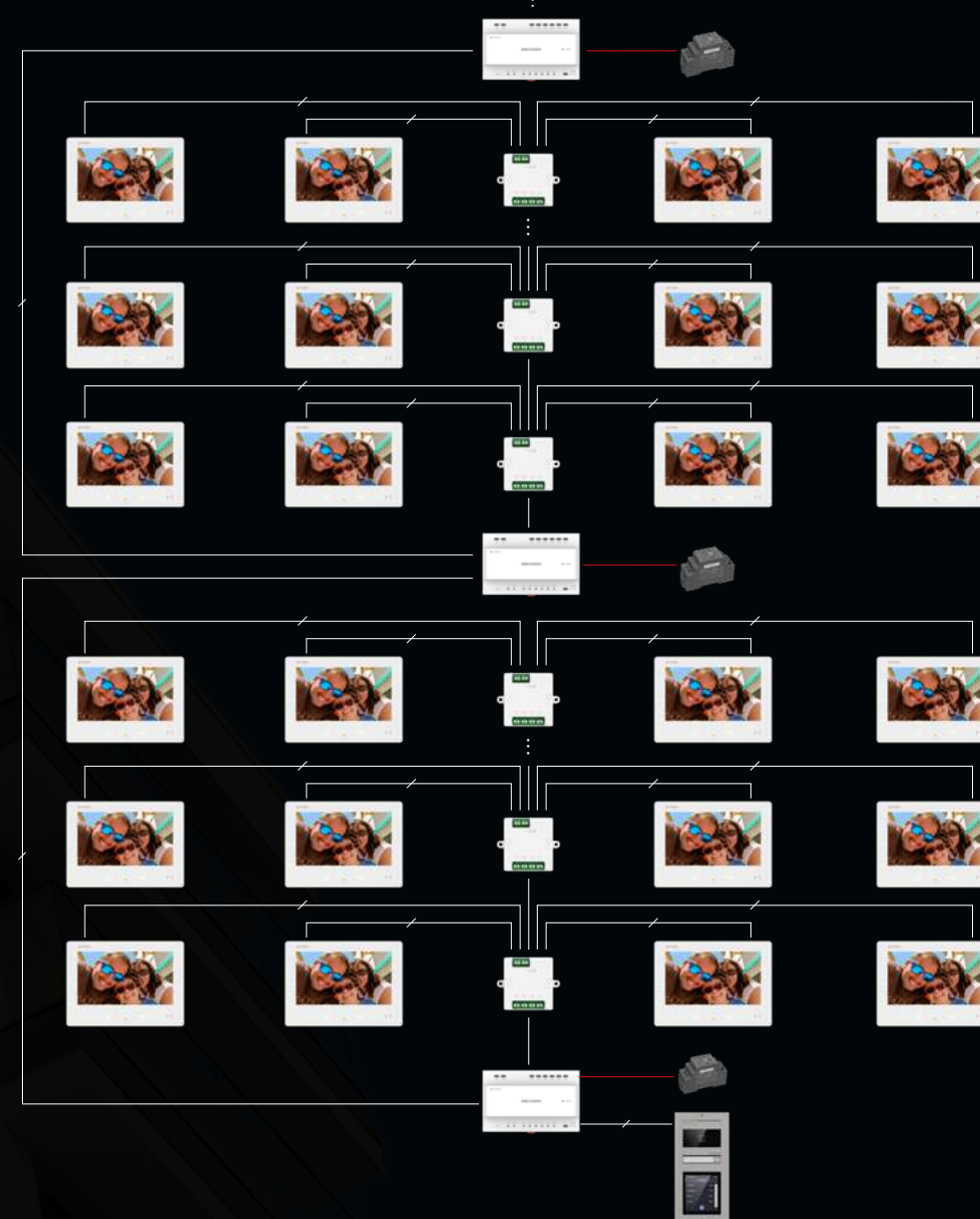
Max. **400 indoor stations** in one building

Daisy Chain Extension Topology



— 2-wire cable
— Power cable

Star Connection Extension Topology



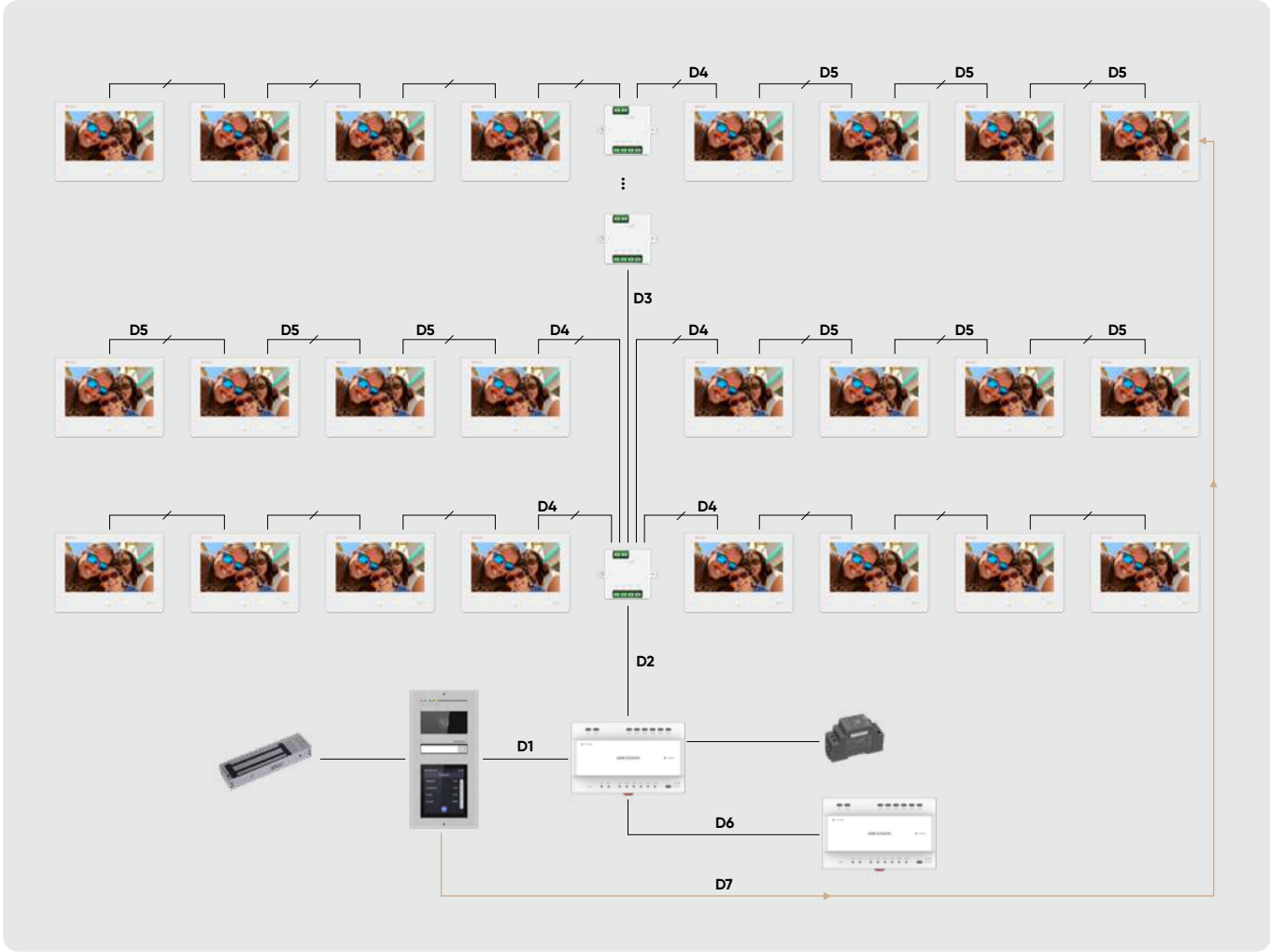
Multiple Buildings

Topology to Satisfy Requirements of Larger Residential Scenarios

- Max. **99 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



The max. distance from the outdoor station to the indoor station: **1760 m**

Wire	D1	D2	D3	D4	D5	D6	D7
UTP 5 0.2 mm 2 (Cat.5) AWG24 (max. wiring distance)	150 m	60 m	60 m	60 m	100 m	60 m	140 m
0.28 mm 2 (TP) AWG23 (max. wiring distance)	150 m	40 m	40 m	40 m	80 m	40 m	160 m
0.5 mm 2 (parallel) AWG20 (max. wiring distance)	150 m	60 m	60 m	60 m	100 m	60 m	180 m
1 mm 2 (parallel) AWG17 (max. wiring distance)	150 m	60 m	60 m	60 m	100 m	60 m	260 m
1 mm 2 (TP) AWG17 (max. wiring distance)	150 m	40 m	40 m	40 m	80 m	40 m	260 m
1.5 mm 2 (parallel) AWG15 (max. wiring distance)	150 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



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



DS-KD7003EY series

Flexible modular design

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

Stainless Steel Surface Mounting	Aluminum Surface Mounting	Black Surface Mounting	Stainless Steel Flush Mounting	Aluminum Flush Mounting	Black Flush Mounting
1 module					
DS-KD-ACW1/S	DS-KD-ACW1	DS-KD-ACW1/Black	DS-KD-ACF1/S	DS-KD-ACF1/Plastic	DS-KD-ACF1/Black
2 module					
DS-KD-ACW2/S	DS-KD-ACW2	DS-KD-ACW2/Black	DS-KD-ACF2/S	DS-KD-ACF2/Plastic	DS-KD-ACF2/Black
3 module					
DS-KD-ACW3/S	DS-KD-ACW3	DS-KD-ACW3/Black	DS-KD-ACF3/S	DS-KD-ACF3/Plastic	DS-KD-ACF3/Black
DS-KD-KK Nametag Module	DS-KD-KK/S Stainless Steel Nametag Module	DS-KD-K12 12 Nametag Module	DS-KD-K12/S Stainless Steel 12 Nametag Module	DS-KD-IN Indicator Module	DS-KD-PMR Induction Loop & Indicator Module
DS-KD-KP Keypad Module	DS-KD-KP/S Stainless Steel Keypad Module	DS-KD-KP/Black Black Keypad Module	DS-KD-BK Blank Module	DS-KD-MFB Fingerprint Module	DS-KD-MFB/S Stainless Steel Fingerprint Module
DS-KD-INFO INFO Module	DS-KD-TDM Touch & Display & M1 Card Reader Module	DS-KD-M M1 Card Reader Module	DS-KD-E EM Card Reader Module		



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.



DS-KH7300EY-(W)TE2

Easy to Use

- Rotary switch configuration
- Plug & play
- Supports mobile App  Hik-Connect
- Multiple indicators – Wi-Fi, power, mute, in use
- Upgrade via TF card
- Supports Professional Studio / Trade button (Open doors automatically)
- Supports floor call (Used as a door bell)

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)



DS-KAD7061EY



DS-KAD7060EY(-S)

PRODUCT SPECIFICATIONS

2-wire HD Indoor Station

Available Models	DS-KH7300EY-(W)TE2 DS-KH7300EY-(W)TE2/White	DS-KH7300EY-(W)TIE2 DS-KH7300EY-(W)TIE2/White	DS-KH7300EY-(W)THE2 DS-KH7300EY-(W)THE2/White	DS-KH7100EY-(W)E2 DS-KH7100EY-(W)E2/White	DS-KH7300EY-WTE2/White
Image					
Color	Black/White	Black/White	Black/White	Black/White	Black/White
Indicators	Wi-Fi model: 4 (Wi-Fi, Power, Mute, In Use) Non-Wi-Fi model: 3 (Power, Mute, In Use)	Wi-Fi model: 4 (Wi-Fi, Power, Mute, In Use) Non-Wi-Fi model: 3 (Power, Mute, In Use)	Wi-Fi model: 4 (Wi-Fi, Power, Mute, In Use) Non-Wi-Fi model: 3 (Power, Mute, In Use)	Wi-Fi model: 4 (Wi-Fi, Power, Mute, In Use) Non-Wi-Fi model: 3 (Power, Mute, In Use)	/
Wi-Fi	-W model support	-W model support	-W model support	-W model support	/
Screen Size	7-inch	7-inch	7-inch	4.3-inch	No-screen
Operation Method	Capacitive touch screen	Capacitive touch screen	Capacitive touch screen	Non-touch screen	/
Resolution	1024 × 600	1024 × 600	1024 × 600	480 x 272	/
Touch Button	3	3	3	9 (5 touch buttons and 4 custom touch buttons)	9 (5 touch buttons and 4 custom touch buttons)
Mobile Control	-W model support	-W model support	-W model support	-W model support	/
Linked Indoor Extensions Capacity	3	3	3	3	3
Alarm Input	1	1	1	1	1
Dimensions	190.2 × 138.2 × 20 mm	190.2 × 138.2 × 20 mm	190.2 × 138.2 × 20 mm	120 mm × 120 mm × 21 mm	120 mm × 120 mm × 21 mm

2-wire HD Door Station

Available Models	DS-KD7003EY-IME2	DS-KD7003EY-IME2/Aluminum	DS-KD7000EY-ME2	DS-KD7000EY-ME2/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	2	2
Indicators	4 LED lights (Opening door, Calling, Intercom, In Use)	4 LED lights (Opening door, Calling, Intercom, In Use)	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)	0-2 (Flexible adjustment)	0-2 (Flexible adjustment)
Protective Level	IP65, IK08	IP65, IK08	IP65, IK08	IP65, IK08
Dimensions	99.5 × 98.5 × 35 mm	99.5 × 98.5 × 35 mm	99.5 × 98.5 × 35 mm	99.5 × 98.5 × 35 mm
Application Environment	Outdoor	Outdoor	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

2-wire HD Relay Module

Available Models	DS-KA-RL1E2
Image	
Relay	1
Function	Support lock, light, bell
Installation	DIN rail installation
Dimensions	52.5 × 104 × 42.1 mm