HIKVISION

Hybrid PRO

Simplicity Through Innovation

Follow us @ HIKVISION Oceania

What is Hybrid PRO?

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Video/HD Image Verification

Speed-X communication

Compatible with AX PRO Wireless Detector

Intrusion Detection

Safety Detection

Professional Hybrid System

Delivering **high speed, stable and reliable** intrusion alarm solution

AX Hybrid PRO System

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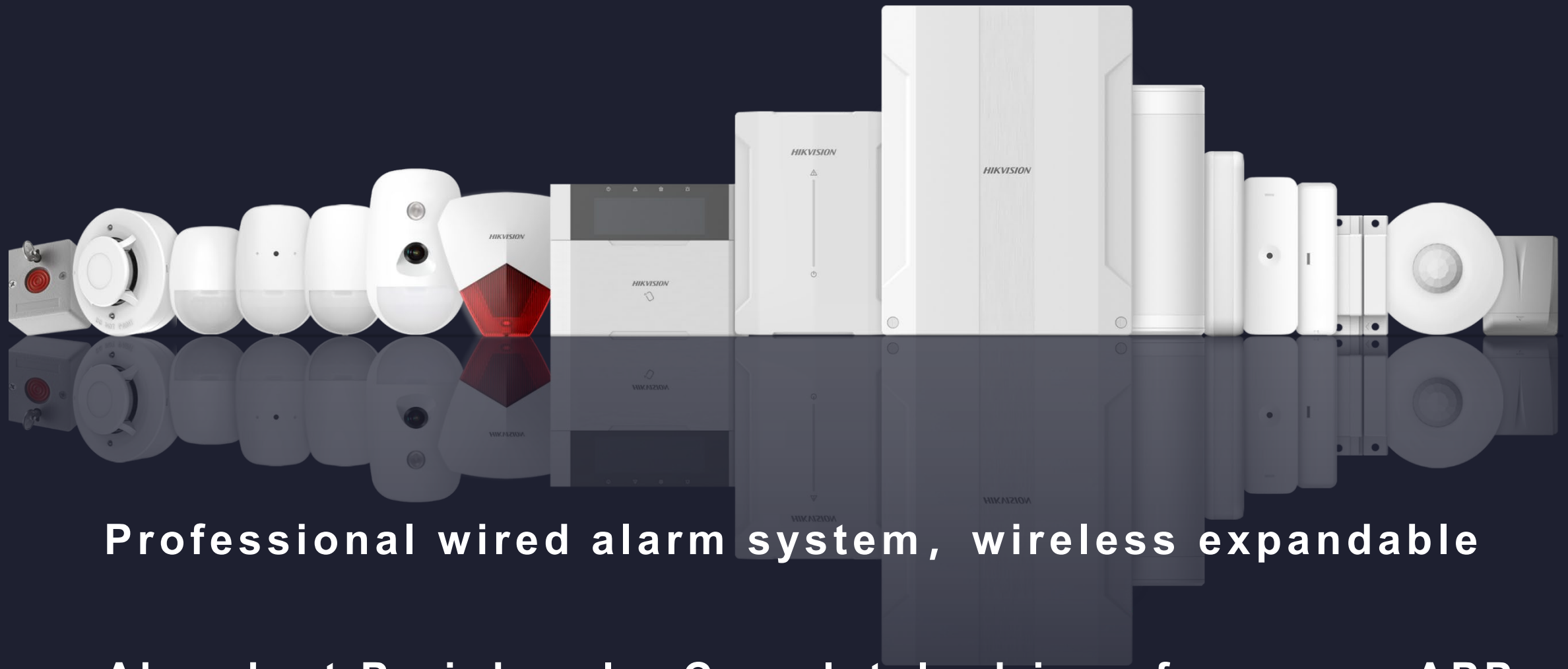

Professional wired alarm system, wireless expandable

Abundant Peripherals, Completely driven from your APP

System Topology

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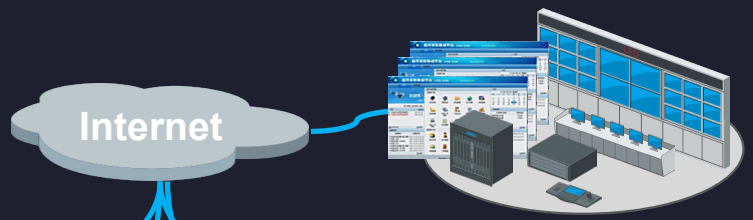
Mobile phone
SMS/Alarm call/APP



Network signal
I/O Signal
Speed-X Communication
RF 433 MHz

Arming tools
Wired Keypad & Wireless Keyfob

Control Panel

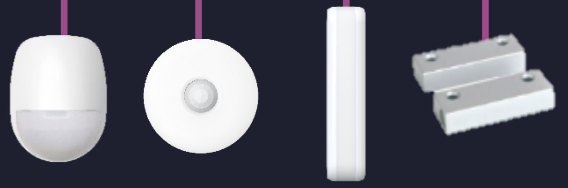
IP Camera

Wireless Receiver

AX PRO wireless detectors

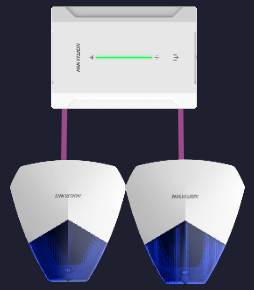
Wired PIRCAM

Input Expander



I/O Wired detectors

Output Expander



Wireless Receiver

Wired Control Panel

8 on-board zones and **56** wired/wireless zones expandable;
4 on-board outputs and **60** wired/wireless outputs expandable

Onboard LAN & Wi-Fi
Optional PSTN, 3/4G communication module

4-ch IPC video verification,
8 wired PIRCAM, HD GIF verification

1 Speed-X BUS communication technology

Battery type: **12V 7Ah**, Lead acid battery
（Battery is not included by default）

Compatible with AX PRO **Wireless Detectors** through wireless receiver

Simple Installation

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PCB is fixed by buckles, without any extra screw.
Easier and faster for assembly and disassembly.

Internal Use Only

Speed-X BUS Technology

Higher speed transmission

The transmission speed could reach up to **500kb/s** via Speed-X communication protocol, which is **150 times** of the traditional technology.

Wired PIRCAM supported

Able to connect **Wired PIRCAM** for **HD image verification**, helps user or ARC verify the authenticity of alert more effectively and efficiently.

Longer transmission distance

The transmission distance of Speed-X BUS technology could reach up to **900m**, and the modules could also be connected in cascade mode to extend the distance to **5,400m**

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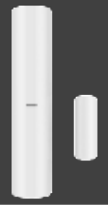
Compatible with AX PRO Wireless Peripherals

The AX PRO series wireless detectors can also connect to Hybrid PRO panel via wireless receiver

Wireless Detector

Wired Detector

Peripheral: Wireless Inputs

DS-PDP15P-EG2-WB Internal PIR Detector	DS-PDD12P-EG2-WB Dual-Tech Detector	DS-PDC15-EG2-WB PIR Curtain Detector	DS-PDPG12P-EG2-WB PIR-BG Sensor	DS-PDMCS-EG2-WB Slim Magnetic Contact
				
DS-PDMC-EG2-WB Magnetic Contact	DS-PDBG8-EG2-WB Glass Break Sensor	DS-PDMCK-EG2-WB Magnet Shock Sensor	DS-PDWL-E-WB Water leak sensor	DS-PDCL12-EG2-WB Ceiling 360 PIR
DS-PDEB1-EG2-WB Emergency button （Single button）	DS-PDEB2-EG2-WB Emergency button (Dual buttons)	DS-PDEBP1-EG2-WB Portable Emergency Button (single button)	DS-PDEBP1-EG2-WB Portable Emergency Button (Dual buttons)	DS-PDTPH-E-WB Temperature & Humidity Detector

Peripheral: Wireless Outputs

DS-PS1-E-WB External Sounder	DS-PS1-I-WB Internal Sounder	DS-PM1-O1L-WB Relay Module (0~36VDC, 5A)	DS-PM1-O1L-WB Relay Module (90~240VAC, 13A)

Peripheral: Wireless Remote Controls

DS-PK1-E-WB Keyfob	DS-PT-M1 Tag

Multiple Communication Options

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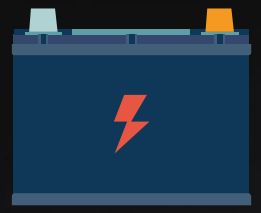
4 ARCs supported

With **36 hours** of long battery life



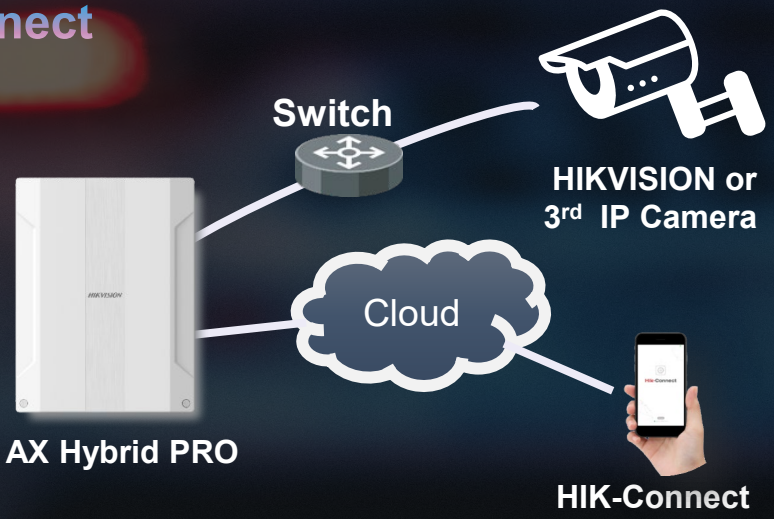
LAN, WIFI, GPRS, 3/4G, PSTN

Multiple communication method

IVaaS——Video Verification

Option 1

Live HD Video via Hik-Connect



Option 2

Onboard Video Clips for Verification

Intrusion Verification
as a Service Now Available

Verify alarms with real-time high-quality video clips

Wired PIRCAM

(Infrared Version)

Volumetric Coverage

Detection Range: **12m / 85.9°**

Speed-X BUS Technology

The transmission distance of RS485 can be **900m** at the speed of **500kb/s.**

24/7 Verification

Infrared Light for dark night

Higher Image Resolution

Support JPEG image capture with resolution of **2MP.**

Pet-Immunity

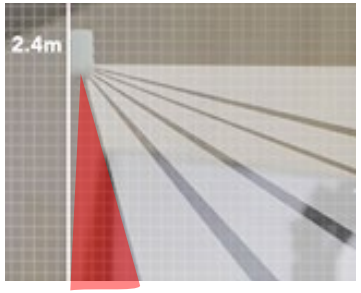
Could filter the false alarm triggered by animals(**≤ 30 KG**).

GIF Verification

Up to **20 pictures** fused to a GIF.

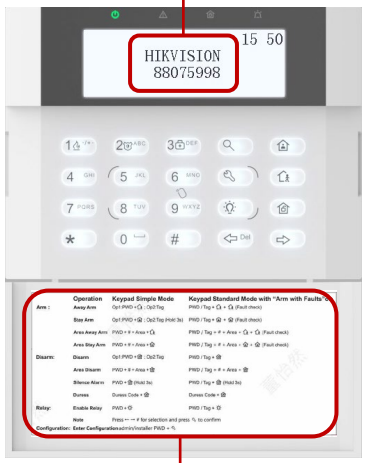
Creep-Zone Protection

Support Creep-Zone Protection.



Wired LCD Keypad

Support display SI name & contact info



- LCD screen display
- Front button cover for better protection
- Faster operational response due to **Speed-X BUS technology**
- **Built in Tag reader & AX PRO keyfob supported**
- **Support** 3EOL **(Alarm, tamper alarm, anti-masking)**
- Supports **2 on-board inputs** and **1 relay output**

	Operation	Keypad Simple Mode	Keypad Standard Mode with "Arm with Faults"on
Arm :	Away Arm	Op1:PWD + ; Op2:Tag	PWD / Tag + + (Fault check)
	Stay Arm	Op1:PWD + ; Op2:Tag (Hold 3s)	PWD / Tag + + (Fault check)
	Area Away Arm	PWD + # + Area +	PWD / Tag + # + Area + + (Fault check)
	Area Stay Arm	PWD + # + Area +	PWD / Tag + # + Area + + (Fault check)
Disarm:	Disarm	Op1:PWD + ; Op2:Tag	PWD / Tag +
	Area Disarm	PWD + # + Area +	PWD / Tag + # + Area +
	Silence Alarm	PWD + (Hold 3s)	PWD / Tag + (Hold 3s)
	Duress	Duress Code +	Duress Code +
Relay:	Enable Relay	PWD +	PWD / Tag +
	Note	Press ← → # for selection and press to confirm	
Configuration:	Enter Configuration	admin/installer PWD +	

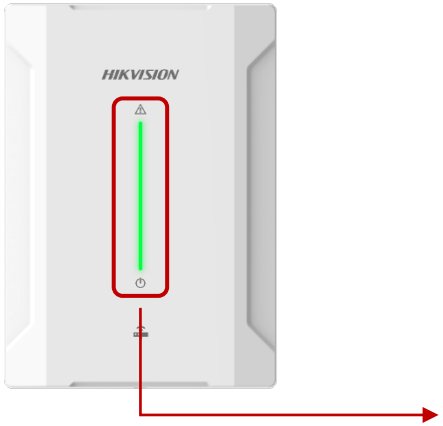
4 indicators：

- Power: Green
- Faults: Fault-Orange / Find me mode-flashing green
- Armed: Blue
- Alarm: Red

1 backlight:

- Keypad button backlight: White

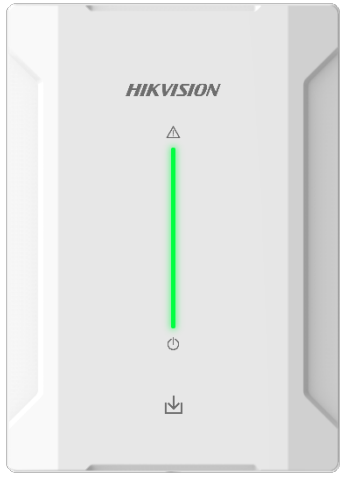
Wireless receiver



- Speed-X BUS technology with the speed of **500 kb/s**
- Compatible with **AX PRO wireless detectors**
- Supports 32 wireless detectors，4 wireless indoor sounders and 8 wireless outdoor sounders
- LED display to show status
- Plastic case
- LED indicator: Green: power/find me 2. Orange: alarm/fault

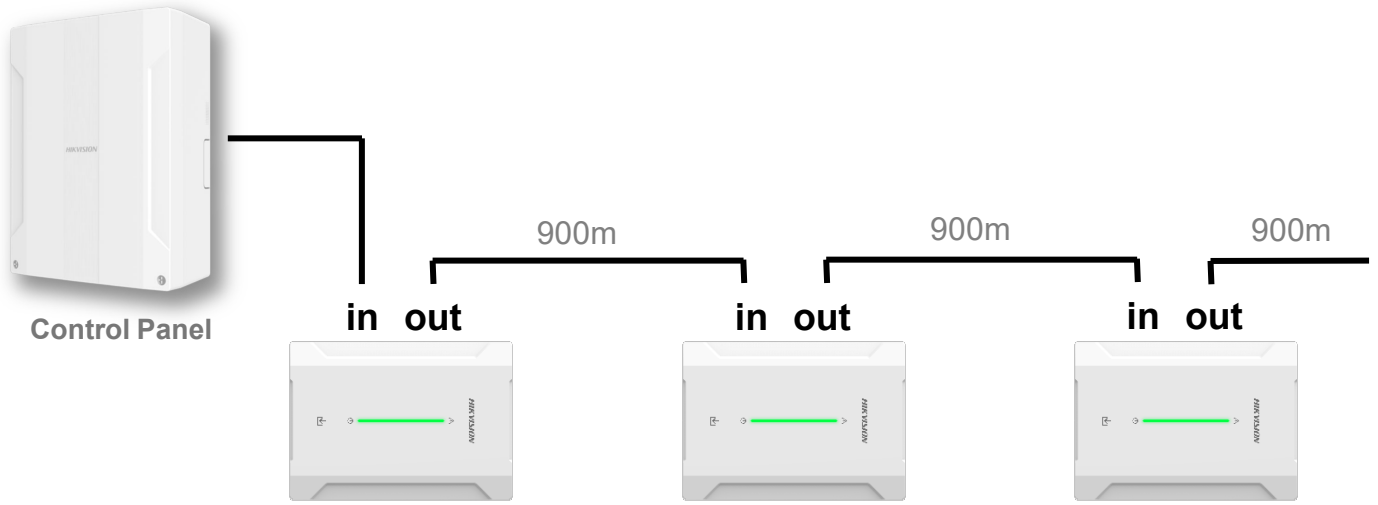
Wireless Detector

Zone Input Expander



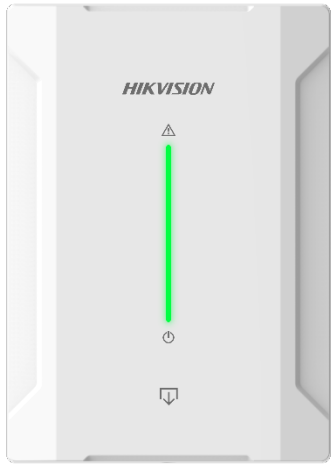
- Speed-X BUS technology with the speed of **500 kb/s**
- **Long transmission distance in cascade mode**
- Support cascade connection typology
- **Support 8 onboard zones, 3EOL**
- 1 AUX power supply
- LED display to show status

The Cascade Wiring Mode



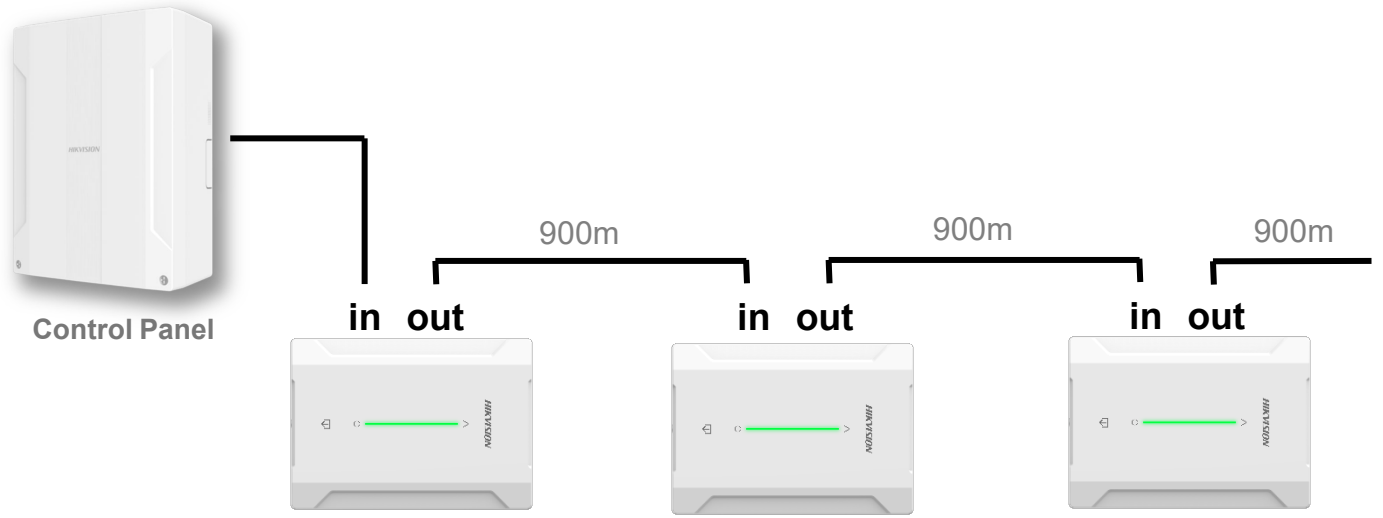
Up to 7 expanders

Zone Output Expander



- Speed-X BUS technology with the speed of **500 kb/s**
- **Long transmission distance in cascade mode**
- Support cascade connection typology
- **4 relays onboard (High & Low Voltage)**
- LED display to show status

The Cascade Wiring Mode



Up to 7 expanders

AX Hybrid PRO Family

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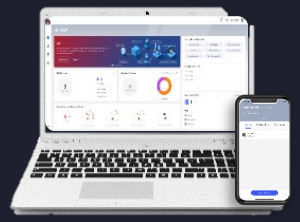
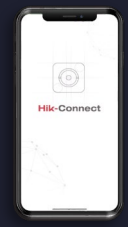
Control Panel

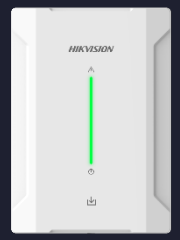
LCD Keypad



Hik-ProConnect

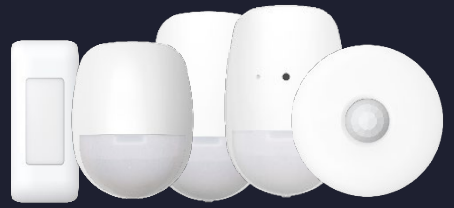


Hik-Connect



Input Expander

Wired PIRCAM



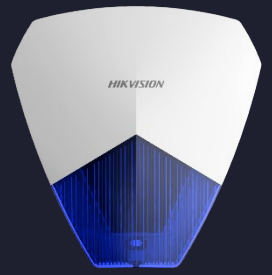
Wired Detector

Outdoor Tri-tech
Outdoor Curtain

AX PRO
Wireless Detector

Wireless Receiver

Output Expander



Wired Sounder

Wireless Sounder

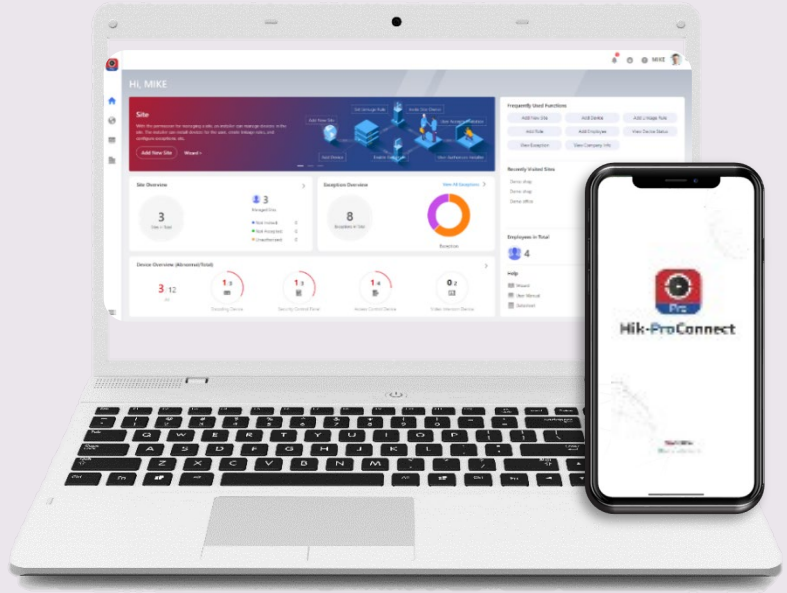
Relay Module
(0~36VDC, 5A & 90~240VAC, 13A)

System Management

Hik-Connect

for end-user

Intuitive interface with one-key operation



Hik-ProConnect

for installer

Device health monitoring via APP/Portal

Self-Monitoring via Hik-Connect

Connect easily wherever you are!

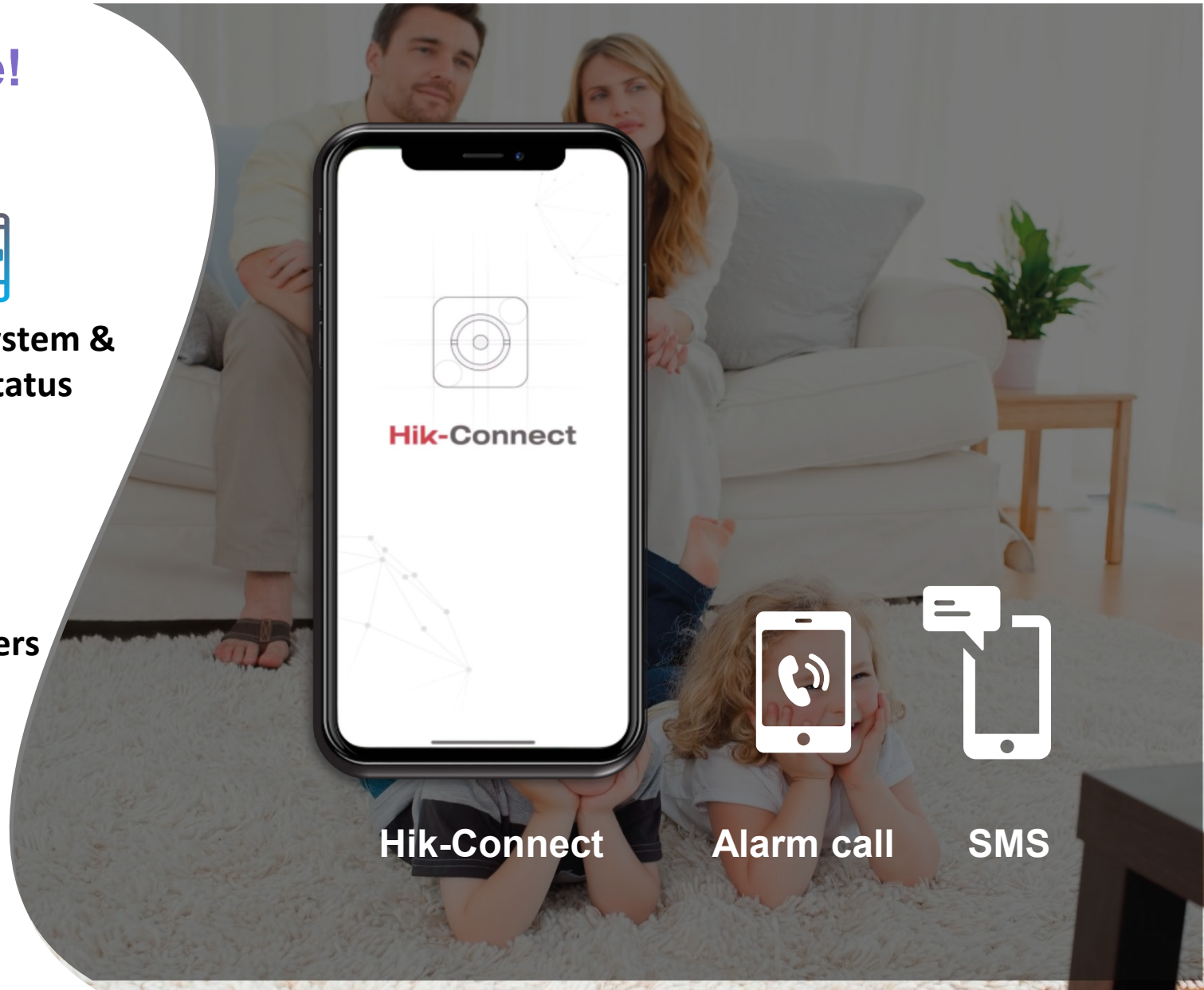
One tap to arm & disarm system

Check 7s video clips or live videos

Check system & device status

Receive instant alarm notification

Admin account can add users to manage same system



Monitored by ARC

3rd Party ARC Platform

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Option 1: Integrating via SIA-DC09.

AX Hybrid PRO Hub could be integrated into 3rd party ARC software directly via SIA-DC09 protocol.

The standard Plug & Play Protocol, suitable for some traditional Residential and SMB ARCs that only need alarm notification.

3rd Party ARC Platform

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Option 2: Integrating via HIK IP Receiver Pro.

SMB or Residential

Alarm

CCTV

...

ISUP

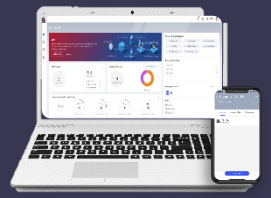
ARC Company

IP Receiver Pro

- SIA-DC09
- Sur-Gard
- Ademco 685
- Manitou & SBN
- Self-defined protocols

Use URL to check 7s Video Clips and GIFs

ARC Software
with Hik Video Plugin



Hik-ProConnect

Convergence Cloud

Centralized Management

Remote Configuration

Installer

It provides super-fast and easy-to-use connection via IPReceiver Pro, with no additional integration, cost and also no need for port forwarding.