

Kmuun D1pro

The Optimal Intelligent Home Access Control

In today's tech-driven world, smart homes are now essential to modern life. As a core part of these systems, intelligent access control is gaining increased focus. Adapted from building intercom systems, the Kmuun D1pro offers a smarter, safer, and more convenient home entry solution.

Versatile & Adaptive Features

Expanding on the D1's core functions—like APP video calls, remote unlock, motion alerts, and fingerprint, passcode, or RFID card entry—D1pro adds facial recognition. This allows keyless access with just a look. The indoor unit also includes a 7-inch screen for a clearer, smoother user experience.

Modular & Customizable

Unlike traditional access systems, D1pro uses a modular design, letting users readjust and customize key functional components as needed.

Whether adding fingerprint, RFID card, or passcode modules, or removing unnecessary features, the system can be easily adapted—offering versatile options to suit various household needs.

Multi-Device Interconnectivity & Full Networking

The Kmuun D1pro supports flexible networking between multiple outdoor and indoor units. It seamlessly adapts to villas, multi-story homes, and properties with multiple entrances or floors. Users can also perform remote video intercom and door unlocking via the Kmuun app, ensuring home security anytime, anywhere.

Simple Wiring, Easy Installation

With a two-wire network setup, D1pro simplifies wiring and streamlines installation. Even without professional skills, users can install and configure the system effortlessly.

More than just an access control system, Kmuun D1pro is a reliable guardian of home safety. Choose D1pro for a smarter, more secure home—enjoy greater convenience and comfort, and step into the era of intelligent living.



Unlike traditional access control systems, D1pro features a modular design, allowing key functional modules to be customized and reconfigured based on user requirements.

Whether adding fingerprint, RFID card, or passcode modules, or removing unnecessary features, the system can be easily adapted to meet diverse needs.

D1pro features a highly flexible system architecture, enabling seamless networking and communication between multiple outdoor and indoor units.

It effortlessly adapts to various property layouts—from villas to multi-story residences, and supports configurations with multiple entrances, floors, and rooms—ensuring reliable performance for diverse user needs.

D1pro utilizes a simplified two-wire system (combining power and signal transmission), which significantly reduces wiring complexity and streamlines the installation process.

Even without professional expertise, users can easily install and configure the system after a brief learning period, saving both time and effort.

Kmuun D1pro outdoor unit consists of 2 core modules:
Ebeller and Eguarder

Ebeller module serves as a core component of the access system, delivering video intercom and call functionality. Equipped with an HD camera and intelligent video processing, it ensures clear and smooth communication. Users can also conduct remote video calls and unlock the door via the mobile APP. Furthermore, Ebeller supports many-to-many networking with indoor units, enabling seamless interaction with visitors anytime, anywhere for enhanced home security.

Eguarder: Functional Features

The Eguarder module serves as another core component of D1pro access control system, specializing in facial recognition, fingerprint authentication, passcode entry, and RFID card identification. Leveraging advanced biometric technology, Eguarder ensures fast and accurate user identification, enabling both convenient access management and robust security control. The seamless integration of these two core modules allows the Kmuun D1pro outdoor unit to deliver not only efficient access control but also comprehensive protection.



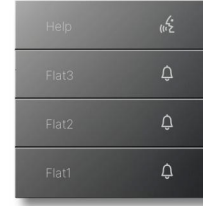
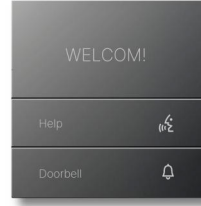
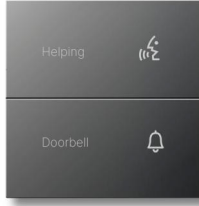
- 01
Kmuun D1pro Ebeller Module
Supports mobile APP video intercom, remote unlock, motion detection, doorbell calls, and night vision light.
- 02
Kmuun D1pro Eguarder Module
Includes fingerprint ID, RFID card access, keypad Passcodes, and bilingual voice guidance.
- 03
Kmuun D1pro Horizontal Mount
Best for wider wall areas near the door. Proper height improves comfort and usability.
- 04
Kmuun D1pro Vertical Mount
Ideal where space is limited. Saves wall space and allows easier operation.



Kmuun D1 Pro Doorbell Call Button Module

A key component of the access control system, the Kmuun D1Pro doorbell call button module offers exceptional flexibility and customization.

Featuring a square design, the module supports configurable button layouts—options include 1, 2, 3, or 4 call channels to suit varying operational needs.



Beyond doorbell calling, this module supports versatile customization. When using a single button, the remaining slots can be customized for functions such as room number display or family information.

Each button can be individually assigned to call a specific indoor unit. With a simple press, users can quickly initiate a call to the intended unit—offering both convenience and efficiency.

The button module features laser customization for clear functional identification on each key, ensuring intuitive operation.

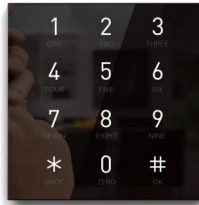
Constructed with CNC-machined aluminum alloy and anodized finish, every button offers high strength and durability. Laser engraving allows distinct marking for different doorbell keys, delivering a refined and aesthetic appearance.



Kmuun D1pro Motion Detection Module

This module intelligently detects anomalies in the surrounding environment—such as prolonged loitering or unusual activity—and automatically triggers alerts to notify users.

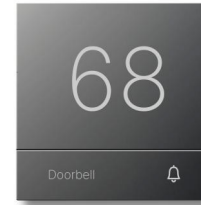
By enhancing real-time monitoring and response, the motion detection function significantly improves access control security and helps users identify potential threats promptly.



Kmuun D1pro Digital Keypad Module

The digital keypad module supports multiple access methods, including passcode and RFID card authentication.

Users can enter a preset passcode or use an RFID card for identity verification, enabling convenient and secure access control.



Kmuun D1pro Doorbell Call Button & Room Number Plate

The call button module offers visitors a quick and convenient way to notify residents—simply press to initiate a call with the indoor unit.

The indoor unit features a one-touch access release button, allowing users to unlock the door remotely with ease for secure and streamlined entry.



Kmuun D1pro Fingerprint Module

Equipped with an advanced fingerprint algorithm and sensor, this module ensures fast and accurate recognition of registered users with high precision. It maintains reliable performance under various environmental conditions, unaffected by light or temperature changes.

The inwardly angled interface offers ergonomic operation—users can quickly complete identification by lightly pressing the finger on the sensor zone for streamlined access.



Kmuun D1pro Camera Module

Equipped with intelligent light sensing and auto fill-in lighting, the camera delivers clear and stable video in various lighting conditions.

The light sensor automatically adjusts exposure to ensure image clarity in low-light environments, while adaptive fill-light enhances brightness for reliable nighttime or dimly lit recording. Whether day or night, the Kmuun D1pro camera provides high-definition, high-quality surveillance footage.



Kmuun D1pro Face Recognition Module

Utilizing advanced algorithms and sensors, this module enables highly accurate facial recognition for fast and reliable user identification. It offers rapid response—users can gain access by simply standing in front of the outdoor unit, improving both convenience and efficiency.

Designed to perform consistently in various environments and weather conditions, day or night, indoors or outdoors, it delivers stable and dependable access control.

The Ebeller module integrates an HD camera, sensitive motion detection, and a smart doorbell button, delivering comprehensive access security and visitor management.



Ebeller module serves as the core component of the Kmuun D1pro outdoor unit, handling video intercom and doorbell call functions. It features an HD camera and a built-in microphone, enabling clear 2-way voice communication.

Kmuun D1pro Video Unit — Ebeller Module

Ebeller module is a core component of the system, integrating three key elements: a camera unit, motion detection, and a doorbell call button. Together, they deliver comprehensive access control and security monitoring. camera offers high-definition, wide-angle imaging with intelligent light adaptation and auto fill-light, ensuring clear real-time footage day or night. motion detector triggers instant alerts and sends live video to users’ devices when activity is detected, enabling proactive security response. Crafted from CNC-machined, anodized aluminum, the versatile call button supports one to 4 customizable access routes. Unused button slots can be personalized with room number plates or other markings. Through seamless integration of these features, the Ebeller module provides intelligent, reliable, and user-friendly protection for modern homes.



Each button can be individually assigned to call a specific device or room, enabling one-touch access. A simple press instantly initiates the call—offering both convenience and efficiency.

Kmuun D1pro-Ebeller – Think Ahead, Serve Your Needs

Ebeller module is a core component of Kmuun D1pro outdoor unit, integrating video intercom, fingerprint recognition, facial recognition, and more. Its call button module features high-quality, anodized aluminum keys—durable, sleek, and customizable. Each button can be assigned to call specific devices or rooms for one-touch access. Unused keys can be personalized with house numbers or family info, offering flexibility along with function. Equipped with an advanced HD camera, the Ebeller captures clear, detailed video day and night, ensuring full visibility at your doorstep. The smart motion detection feature instantly alerts users to approaching activity, enabling proactive monitoring and enhanced security from anywhere. Compact, versatile, and designed with modern simplicity, the Ebeller module delivers a secure, intelligent, and user-friendly access solution.

Kmuun D1pro Face Access Module — Eguarder

Your Most Trusted Security Assistant

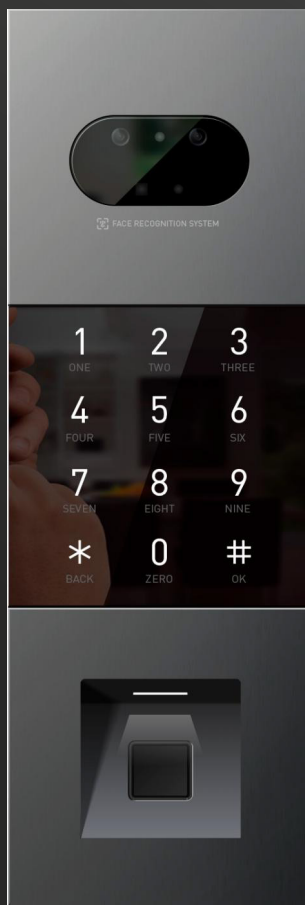
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Kmuun D1pro Eguarder module

Eguarder module is a core part of the Kmuun D1pro access system, delivering efficient and versatile control through multiple advanced technologies. It supports facial recognition with high-speed algorithms for touch-free access—users are identified instantly upon approach.

The module also integrates fingerprint recognition for secure and reliable authentication. Additional options include RFID card and passcode access, offering flexibility for different user preferences.

Combining intelligence, security, and convenience, Eguarder provides a comprehensive and modern access management solution.



Kmuun D1pro Eguarder Module

Integrates active facial recognition, fingerprint scanning, passcode keypad, and RFID card access.

Eguarder module can operate independently when equipped with a dedicated power supply and controller.

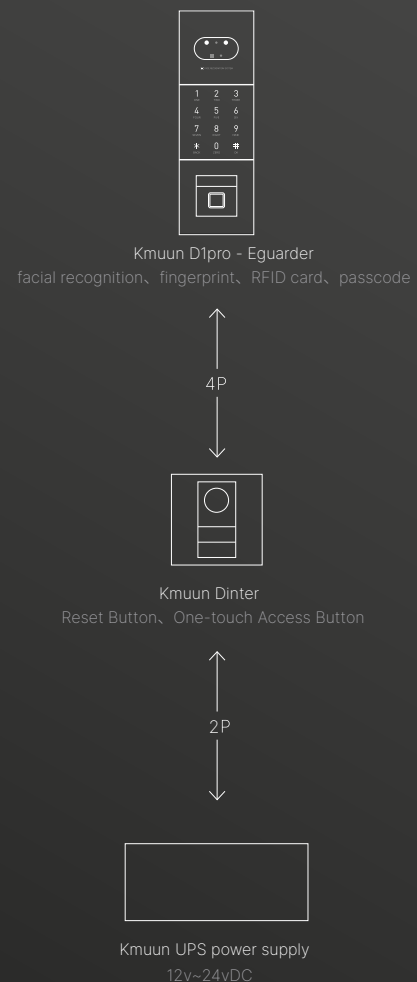
Kmuun D1pro Eguarder Module – Your Most Trusted Security Assistant

The Eguarder module acts as a dedicated guardian of access control, offering a secure and intelligent line of defense through advanced technology.

Its facial recognition feature provides swift and accurate identification, enabling effortless, touch-free entry for authorized users. The fingerprint scanner ensures precise and reliable authentication, with every touch confirming unique identity.

With support for RFID cards and passcodes, Eguarder delivers flexible access options tailored to diverse needs.

Like a smart and vigilant guardian, it safeguards your home around the clock, adding both safety and peace of mind to daily life.



Kmuun D1pro Eguarder module enables standalone access control for entry doors when used with a dedicated power supply and controller. It supports on-site identification and unlocking only, without network-dependent features such as remote video monitoring or APP-based unlocking.

Designed with dust and explosion resistance for outdoor use, though prolonged exposure to extreme heat or direct sunlight may impact functionality.

Kmuun D1pro Max Application Scenario



Kmuun D1pro Max

Kmuun D1pro Max is a full-featured wall-mounted access control system that integrates vertically arranged modules from the D1pro series into a comprehensive and high-performance solution.

Building on the proven strengths of D1pro, it offers expanded functionality and enhanced performance in a unified design.

Ideal for diverse environments, D1pro Max delivers a complete, reliable, and adaptable access control solution tailored to varied security and operational needs.



Kmuun D1pro Max | Integrated Functional Systems

Camera Module: HD imaging with light sensor and auto fill-light for real-time monitoring.

Facial Recognition: High-precision technology for touch-free, fast access.

Fingerprint Recognition: Delivers secure and reliable biometric authentication.

Keypad: Enables passcode access for added convenience.

RFID Card Support: Allows contactless entry with a simple tap.

Motion Detection: Detects activity, triggers alerts, and captures images.

Call Button Module: Configurable 1- to 4-button design with customizable nameplates.

Bottom Light: Enhances visibility and safety at night.

Top Light: Improves overall illumination at the entrance.

Illuminated House Number Module: Customizable backlit signage for clear identification.

Microwave Radar Sensor: Automatically controls lighting based on movement, improving energy efficiency.

Extension Module: Connects components into a unified outdoor unit for streamlined installation and a clean aesthetic.

A fully integrated, high-performance access solution designed for security, flexibility, and user convenience.

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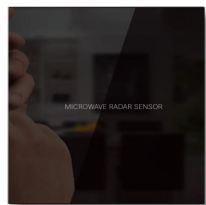
Kmuun D1pro Auxiliary Module System

Auxiliary modules are essential components of the Kmuun D1pro access control system, delivering enhanced functionality for a smarter, safer, and more convenient user experience.

These modules extend system capabilities, improve daily usability, and reinforce security—collectively enabling a more intelligent and adaptable access solution that increases comfort and convenience in any environment.

Adaptable Applications, Unlimited Possibilities

Auxiliary modules such as the upper and lower lighting units provide ample illumination, enhancing safety and comfort at the entrance during nighttime or low-light conditions. The customizable illuminated house number plate improves visibility and helps visitors locate the address easily. Equipped with a microwave radar sensor, the system automatically controls lighting based on environmental changes, saving energy while delivering a smoother and more user-friendly experience. Additionally, the extension module offers flexible installation options for each functional unit, enabling a clean, integrated, and aesthetically pleasing access control solution.



Microwave Radar Sensor Light Control Module

Kmuun D1pro microwave radar sensor offers intelligent, automated lighting management by detecting movement and adjusting brightness based on environmental activity.

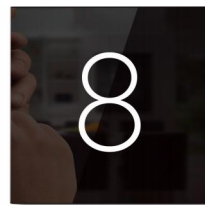
It accurately senses approach or departure, triggering instant illumination while optimizing energy efficiency. This ensures both enhanced convenience and a more comfortable user experience.



Extension Module

The Extension Module integrates functional components of the Kmuun D1pro access system into a unified outdoor unit.

While it does not extend wiring length, it enables flexible positioning of modules for improved adaptability and visual cohesion. This design supports customized installation to meet diverse site-specific requirements.



Custom Aluminum / Illuminated House Number Module

Kmuun D1pro customizable illuminated house number plate allows personalized design with built-in lighting function.

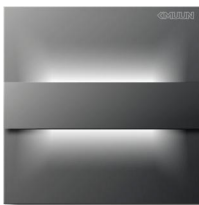
It enhances visibility and helps visitors locate the address easily, especially at night. Practical and aesthetically refined, this module adds a distinctive touch to your home's entrance.



Bottom Light Module

Kmuun D1pro bottom light module enhances security and convenience by providing ample illumination in low-light or nighttime conditions.

It ensures clear visibility at the entrance, improving safety and comfort for residents and visitors.



Top Light Module

Kmuun D1pro top light module is thoughtfully designed to be mounted above the outdoor unit, delivering broad and bright illumination.

It enhances both safety and ambiance at the entrance around the clock, while adding a modern, stylish aesthetic to the surroundings.



Multiple Color Options and Modular Combinations

Kmuun D1pro offers a wide range of color choices and functional module combinations, providing users with diverse and customizable solutions.

Different colors paired with various modules enable flexible configurations to meet practical needs and personal preferences. Custom color options allow users to tailor the access system to their taste and architectural style. Whether modern minimalism, classic elegance, or luxury aesthetics, the D1pro outdoor unit blends seamlessly into any environment, helping create an ideal living space.

Kmuun D1pro Indoor Station – 2 Versions

Kmuun D1pro Indoor unit is an advanced building intercom solution equipped with a 7-inch Android touchscreen, offering intelligent and convenient access management. It enables remote intercom and door release functions—users can communicate with visitors and control access from anywhere via a simple touch interface. With WiFi connectivity, the system supports real-time monitoring and remote management, ensuring comprehensive home security. Two tailored versions are available: Quick-Access Edition: Features a one-touch unlock button for swift and efficient entry. Standard Edition: Provides essential functionality in a cost-effective package. Both models combine modern technology with user-friendly operation to deliver a seamless, secure, and smart living experience.

Quick-Exit Button Version
Standard Indoor Unit Model

Kmuun D1pro Indoor unit

Kmuun D1pro Indoor Station is a high-performance building intercom unit featuring a 7-inch touchscreen and Android OS. It supports remote communication, door release, and WiFi connectivity for integrated internet access. Available in 2 configurations: A Quick-Access Edition with dedicated one-touch unlock button. A Standard Edition with core functionality. Designed for intuitive operation and advanced security, both versions provide reliable protection and modern convenience for residential environments.



7-inch touchscreen
Clear display and user-friendly interface

Android OS
Supports installation and operation of multiple applications, offering flexible customization and expansion capabilities.

Remote Intercom Function
Enables real-time voice communication with outdoor units for convenient interaction with visitors.



Remote Door Release
Allows remote unlocking of the entrance door via smartphone or tablet, enabling convenient access management.

WiFi Connectivity
Supports internet connection for remote monitoring and control functions.

Quick-Access Edition & Standard Edition
Two versions are available to accommodate different user preferences and application scenarios.



Kmuun D1pro Ebeller Module & Building Intercom Networking

The Ebeller module is a key component of the intelligent access control system. Its unique ability to network with Kmuun building intercom outdoor units provides users with a more convenient and secure access management solution. Key features include video monitoring, access control, and call management. Through networking with the building intercom, users can easily monitor entrance activity, conduct real-time voice communication with visitors, and remotely operate access permissions—enhancing home security even when away.

The module also integrates with Kmuun's smart access system to manage residential entry doors. A single indoor station enables centralized monitoring and control of both building and home access, offering an efficient and streamlined solution for entire properties. Combining innovative technology and user-friendly operation, the Ebeller module delivers a secure, intelligent, and convenient access management experience.



Kmuun Building Intercom Outdoor Unit

The networking between Kmuun D1pro's Ebeller module and the building intercom outdoor unit introduces an innovative solution for access management in high-rise residences.

Through this integration, the outdoor unit manages building entry access, while the Ebeller module controls individual residential door access. This collaborative approach improves precision and efficiency in access control.

Both devices can operate through a single indoor station, allowing users to conveniently monitor and manage access at both the building and home entry points. This integrated solution enhances security, saves cost and space, and delivers a smarter, more comfortable living experience.

A New Benchmark in Smart Communities

In-Depth Look at D1pro All-Scenario Access Control & Entry System

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Full-Scenario Smart Security Loop

— Kmuun D1pro Reshapes Smart Community Ecosystem with 4 Core Terminals

Amid rapid smart community growth, the Kmuun D1pro system delivers three breakthroughs: full-scenario integration, private security, and intelligent management—solving issues like fragmented access and permission chaos.

It seamlessly connects four core terminals from community to home: Perimeter: Touch-free access via license plate, face, or QR code. Unit Entrance: Visitor management + community services. Residential Door: Dual biometrics for privacy and safety. Indoor Screen: Unified control for access and smart devices. A mobile app gives residents full security control, while a cloud platform enables property teams to monitor devices, track energy, and expand services.



Centralized Management via Indoor Touchscreen

Featuring a 7-inch HD touchscreen, the indoor unit integrates perimeter, entrance, and door terminals for unified "triple-door" control. Residents view real-time entrance video, use 2-way audio, and unlock doors remotely. Its dual-network design combines Wi-Fi for APP-based access and RS485 for smart home automation—like triggering lights or security modes upon entry. The system also supports: Voice service requests and facility bookings, Parcel delivery alerts, Mode memory (e.g., "Home" auto-arm, "Guest" welcome), Multi-level user permissions, 90-day event logging, Designed for secure, convenient, and personalized living.



Unit Entrance Terminal
Intelligent Guardian for Building Access

D1pro unit terminal features a minimalist design and supports owner access via fingerprint, passcode, IC card, or NFC—all with under 1-second response. For visitors, time-limited digital keys can be issued via app for single or multiple use, expiring automatically.

Unlike traditional systems, D1pro enables dual management: property staff can authorize roles like maintenance or cleaners, while residents manage their own visitors. Integrated relay module links with elevator control, auto-granting floor access to visitors for seamless entry.

Redefining Integration: From Fragmented to Unified

D1pro transforms experiences like "contact-free entry" and "smart greeting," while using access control to build a connected smart community—blending security and convenience seamlessly into daily life. By integrating 4 smart terminals (perimeter, entrance, door, and indoor screen) with a unified cloud platform, D1pro enables: Seamless Control: Real-time data sharing across community, building, and home ensures end-to-end security. Granular Permissions: Property teams manage public areas; owners control private access—with isolated data for privacy. Expanded Services: Beyond access, the system links residents and property teams through security and smart services.



Smart Residential Door Terminal
Ultimate Protection for Private Spaces

As the core device for home access, it uses a private network design, physically isolated from perimeter and building terminals. Supports 3D structured light facial recognition, semiconductor fingerprint scanning, and disguised passwords.

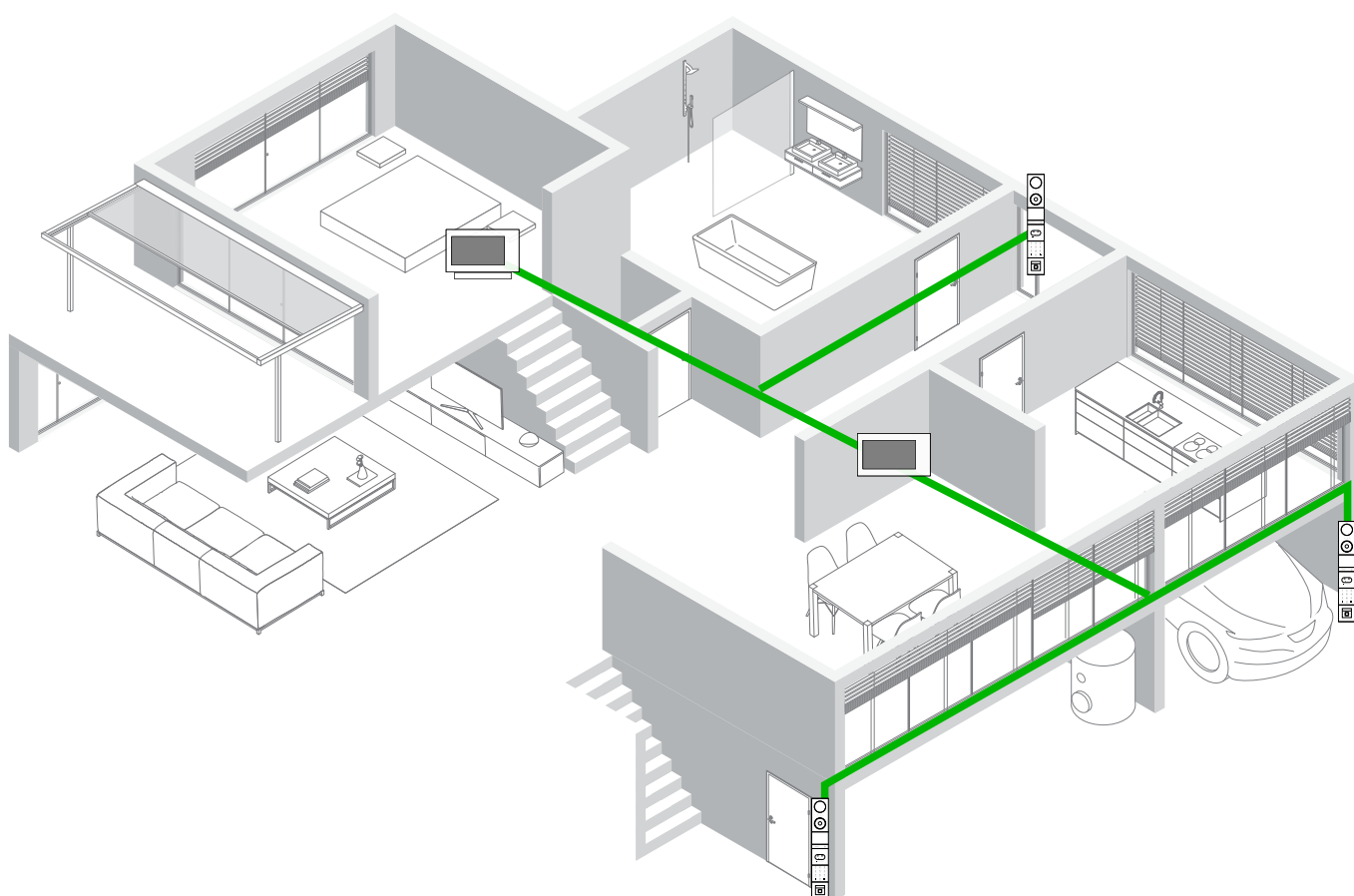
Built-in wide-angle camera and infrared sensor monitor activity in real time. Automatically captures and alerts owners if strangers linger over 30 seconds. Scenario Linkage: Unlocking triggers disarming, entrance lights, and curtain opening for a seamless homecoming experience. Proactive Protection: Alerts for partially open doors, abnormal vibrations, and covert distress codes enable intelligent preemptive security.

Mobile App Your All-Access Security Hub

The dedicated app acts as a mobile command center for full-scenario access control. View live feeds from perimeter, entrance, and door terminals; communicate via two-way audio; and unlock doors remotely. Generate time-limited guest passes (10 min to 72 hrs) that auto-expire.

Receive instant alerts for security events (loitering, forced entry) with image/video evidence. Access 90-day activity logs for entries and visitors. Syncs with indoor stations for unified management, with API readiness for future services like community notices and fee payments.

Its networked system delivers a comprehensive & flexible access solution for high-rise residences



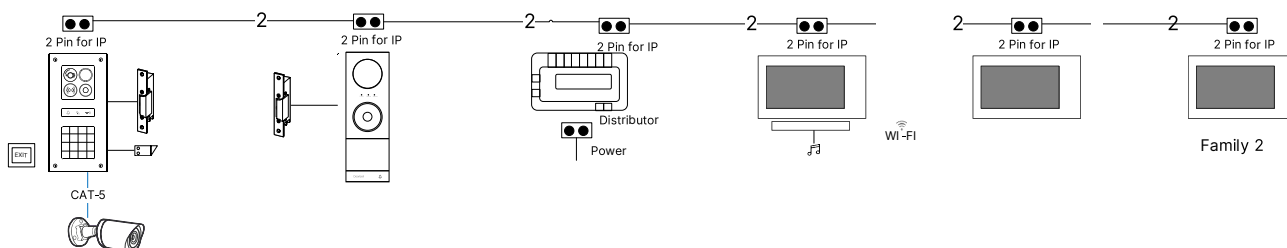
Kmuun D1pro Auxiliary Modules

Essential components enhancing security, convenience, and intelligence. They expand functionality, improve user experience, and strengthen safety—creating a smarter, more comfortable living environment.

Adaptable Applications, Unlimited Possibilities

Auxiliary modules such as the upper and lower lighting units provide ample illumination, enhancing safety and comfort at the entrance during nighttime or low-light conditions. The customizable illuminated house number plate improves visibility and helps visitors locate the address easily. Equipped with a microwave radar sensor, the system automatically controls lighting based on environmental changes, saving energy while delivering a smoother and more user-friendly experience.

Additionally, the extension module offers flexible installation options for each functional unit, enabling a clean, integrated, and aesthetically pleasing access control solution.



Integrates with building intercom outdoor units to form a networked system. Ideal for high-rise residential access solutions.

Kmuun D1pro requires 24V power supply. For long cable runs, increase voltage appropriately (not exceeding 28V) to prevent signal loss due to voltage drop.

Kmuun D1pro supports multiple indoor stations. The quick-access model can be installed at the entrance, while others can be distributed across rooms or floors.