Kmuun S1

Kmuun S1 Embedded Intelligence Entry Door System
A Perfect Symphony of Technology and Aesthetics

Amid rapid advancements in intelligence home technology, traditional entry doors are evolving from functional hardware to intelligent gateways. Kmuun addresses the growing demand for integrated functionality, minimalist design, and effortless installation with the groundbreaking Kmuun S1. This compact, embedded system redefines intelligence entry doors—combining cutting-edge engineering with sleek aesthetics to deliver seamless security and elevated living.The intelligence door market has long struggled to balance multifunctionality with elegant form. While conventional intelligence locks offer limited features, modern homes seek comprehensive security, connectivity, and remote management—all harmonized in one sophisticated solution.

Most multi-functional intelligence locks are bulky, clashing with door aesthetics and complicating installation. Surveys show 80% of users want advanced features like face recognition and remote control—without sacrificing style. Door manufacturers also seek standardized, easy-to-install modules to cut costs.

Kmuun S1 solves these challenges with miniaturized integration, sleek design, and tool-free installation. Packing full intelligence-entry capabilities into a phone-sized module, it redefines space and function—seamlessly merging security, convenience, and elegance.

Kmuun S1

Fully-Integrated Embedded intelligence Door Lock System

FACE RECOGNITION SYSTEM

| 1 ONE | 2 TWO | 3 THREE |
| 4 FOUR | 5 FIVE | 6 SIX |

IC CARD INDUCTION

| 7 SEVEN | 8 EIGHT | 9 NINE |
| * BACK | 0 ZERO | # BELL/OK |

LESS IS MORE

KMUUN

Reset   FIXED

OPEN THE DOOR

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Ultra-Compact All-in-One Technology
Kmuun S1 revolutionizes space efficiency by integrating 9 core functions:

Biometric Matrix:Dual-core A1 chip-powered 3D structured light facial recognition (0.1mm precision, 0.5s live detection).Fingerprint sensor (99.7% accuracy, adaptive to dry/wet fingers). Multi-Modal Access: Capacitive keypad (32-digit anti-peep passwords) + RFID card/NFC.

Remote Control Hub:Built-in HD camera with low-light vision + 940nm IR for full-color night vision (2m range).8Ω speaker for crystal-clear intercom.(Condensed to 30% of original length while preserving key specs.)

Ultra-Slim Embedded Structure Design
Installation Innovation: Standardized & Effortless

10.5mm Thin (indoor/outdoor units) via 3 breakthroughs:
Stacked PCB: 0.3mm FPC + 3D layout for 56 components (40% space efficiency↑).
Aerospace Aluminum Frame: CNC-milled (±0.05mm) with honeycomb reinforcement (1200N crush resistance).Seamless Bonding: 0.1mm gap-free glass-metal fusion (IP65 waterproof).

Patented reverse-mounted socket design,Tool-Free 3-Step Install:
Embed pre-sized door cutout (±1mm tolerance).Pre-embed power and lock control cables in the door.Secure outdoor unit with M4 bolts.Snap indoor unit via reverse-lock mechanism.without tools, featuring a rigid metal docking system for easy installation and lasting stability. Kmuun supplies standard cutout templates and install videos.(60% faster install; 2hr training suffices for workers.)

Intelligence Power & Connectivity Solution
Wide Voltage Compatibility
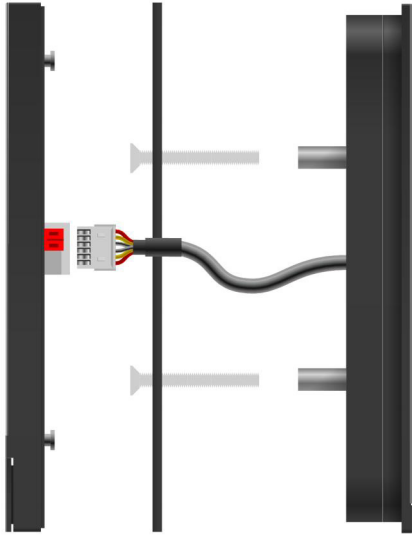
Supports dual-voltage input (12VDC/24VDC) with built-in intelligence power management IC for automatic voltage adaptation.72-Hour Backup Power: Features 8.4V emergency battery compartment (optional) working with Kmuun PSP wired or PSPW wireless power transfer modules.Stable Connectivity: Equipped with 2.4GHz WiFi module and proprietary network optimization algorithm for reliable connection in weak signal environments.

Visitor Management
Courier Access: Remotely verify identity and unlock temporary parcel storage area
Guest Access: Grant entry after video intercom confirmation.Maintains all technical specifications while presenting in clear, professional English format suitable for product documentation.

Unified Symmetrical Design
The dual-unit design reflects our utmost respect for entrance system engineering

S1 features identical indoor/outdoor unit dimensions (60×143×18mm) - a symmetry that delivers both visual harmony and engineering intelligence. The outdoor unit's layout accommodates cameras and sensors, while the indoor unit optimizes display and controls. Through parametric optimization, we achieved perfect dimensional alignment.

This symmetrical approach creates a ceremonial experience: touching both panels simultaneously opens a portal where technology meets aesthetics, delivering immersive interaction.

German Modernist Design Language
The S1 inherits Bauhaus principles with geometric lines and arcs

Material Excellence:6063 aerospace aluminum (12-step anodized, 15μm anti-finger-print coating)0.65mm tempered glass with AF coating (smudge-proof, smooth touch)

Precise Proportions:3.97" IPS display (52% surface ratio) with golden-ratio layout
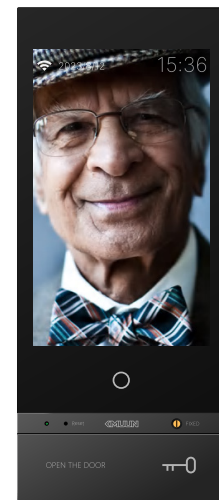Detail Engineering:0.5mm hidden acoustic slits (fluid-optimized sound channels)

Oversized Button for Effortless Entry
Patented Bezel-less Button Design

The Kmuun S1 indoor unit prioritizes functionality through proportional design - we allocate the largest surface area to the most frequently used door release button for intuitive operation.Key features:Maximized button size (primary functional element)

Hidden acoustic chamber beneath button (eliminates separate speaker grille)
Engineering note: The button's operational clearance doubles as an acoustic resonance space, boosting doorbell sound output without additional apertures.
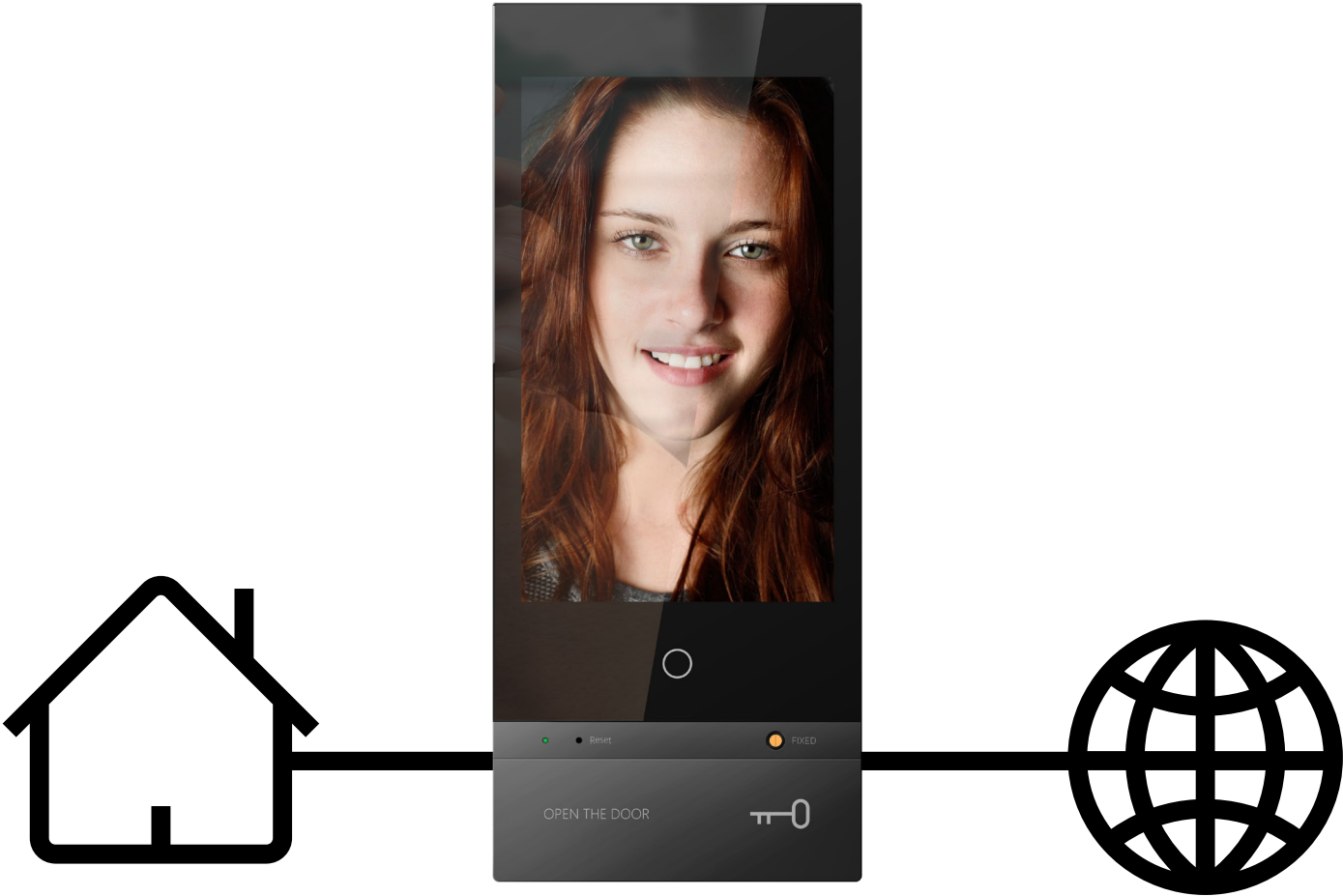
Power On, Connect - Welcome to the Future
Intelligence Entry Door: The New Home Appliance

The Kmuun S1 features built-in WiFi for easy app-based setup, delivering fast response times when connected.

While operable with an 8.4V battery, we recommend direct 12V/24V DC power for optimal performance. This eliminates battery maintenance concerns and ensures full smart functionality without compromise.A truly intelligent home appliance is born - unlocking endless new possibilities.

Kmuun S1

Fully-Integrated Embedded intelligence Door Lock System

Intelligence Home Entry System
Manage your household，Secure your sanctuary

Intelligence Home Security
Face Recognition - Auto-unlock for family members. Stranger Detection - Records loiterers & sends alerts (Future AI upgrade: identifies delivery/guest types)
Remote Protection
Live view & 2-way audio via app
Temporary access codes (auto-expiring)

Remote Server Support
Identity verification for registered users only
All private data stored locally

Feature List

Fingerprint recognition
PIN code
NFC smart cards

Facial recognition

Video intercom with night vision
Night Vision Fill Light Function

Remote viewing
Remote Door Opening

Active video monitoring / Doorbell call alerts
One-touch open
Factory reset (hardware-level)

Supports the New Kangmu Mobile APP Function

Function Specifications
100 credential capacity (faces/passwords/cards/fingerprints)

Smart facial recognition:Auto-wake & anti-spoofing
Manual activation required in backlight conditions

With constant power supply, active video access is available (performance varies by WiFi signal strength).

Remote unlocking:Video intercom verification mandatory
Single-use per request

Live video access:Requires constant power supply
Performance varies by WiFi signal strength
2-second activation delay from standby

Factory reset: Permanently erases all data

Industry Value & Vision
Kmuun S1 - Embedded Door System

The launch of Kangmu S1 delivers:

For end-users: A revolutionary smart entry experience.For door manufacturers: Standardized intelligent upgrade solutions.50% faster R&D cycles,30% lower production costs.

Modular design for easy upgrades

Future Roadmap:More biometrics (e.g. palmprint) via software updates.Integration with smart peepholes/doorbells.Whole-home automation sync.Not just a intelligencelock - the key to intelligent living, driving the industry toward integrated functionality, aesthetic design, and human-centric experiences.

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Design Highlights

Full glass, ultimate simplicity, an aesthetic paradigm. Inheriting the classic modernist style of traditional European German industrial design, with geometric, pure straight lines and circles as basic elements.

Metal body with meticulous details: crafted via aluminum alloy CNC precision engraving, with a tolerance as low as 0.05mm.

Ultra-thin design, pushing the limits of thinness—a symbol of technological possibilities. Ultra-thinness is an obsession with perfection.

Using mathematical randomness to define the ideal realm of best aesthetics.

Seeking the optimal balance between function, form and beauty. Balance is the deepest aesthetic origin we yearn for. When we explore to the utmost, you suddenly realize it has always been there, waiting without pretense.

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Palm-sized with 9 technologies

0.5s face recognition unlock, HD remote video intercom, 32-bit virtual password anti-peeping—all functions integrated in a phone-thin body.

Ultra-slim 10.5mm, seamlessly fitting. 0.05mm precision craftsmanship: aviation-grade aluminum alloy meets ultra-thin tempered glass, integrating the smart device with the door.

Two-way symmetrical design, a new realm of aesthetics. Indoor and outdoor units perfectly echo; every touch is a dialogue between technology and art.

Easy 3-step installation, even for beginners. Reverse-mounted socket design, no professional tools needed—smart upgrade in 20 minutes.