



SMART DOOR LOCK DATASHEET

YN-DL-H008

Face and Palm Smart Door Lock



Exterior panel dimensions: 420 × 75 mm
Shared H007-H / H008 Technical Platform

Brand	YOUNUO IET
Manufacturer	SHENZHEN YOUNUO IET CO., LTD.
Product	YN-DL-H008 Face and Palm Smart Door Lock
Document ID	YIET-DS-YN-DL-H008-EN-V2.0
Version	2.0 Draft
Effective Date	2026-08-17
Language	English



Product Overview

YN-DL-H008 smart door lock supports face recognition, fingerprint, password, card and mechanical-key access, with optional palm-vein recognition. Tuya Smart App and Smart Life App connectivity over 2.4 GHz Wi-Fi supports two-way communication, video intercom and remote unlock.

YN-DL-H008 is designed for residential, apartment and managed rental-property entrance projects. It uses a 6068 mortise, supports doors 40-120 mm thick and has exterior panel dimensions of 420 × 75 mm.

Standard access methods are face recognition, fingerprint, password, card and mechanical key, with palm-vein recognition available as an option. Tuya Smart App and Smart Life App connectivity operates over 2.4 GHz Wi-Fi and supports two-way communication, video intercom and remote unlock.

The radar detecting angle is 60°, with an effective distance of up to 1 m. Power is supplied by a 7.4 V, 4200 mAh rechargeable lithium battery. Charging and Type-C emergency power accept 5 V DC at 1 A or 2 A.

Key Features

- Face recognition, fingerprint, password, card and mechanical-key access
- Optional palm-vein recognition
- Tuya Smart App and Smart Life App over 2.4 GHz Wi-Fi
- Two-way communication, video intercom and remote unlock
- 60° radar detection with an effective distance of up to 1 m
- 7.4 V, 4200 mAh rechargeable lithium battery with Type-C emergency power

Application Scenarios

- Residential entrance doors
- Apartment entrance doors
- Managed rental-property entrance doors

Customization Options

- OEM/ODM configuration for project requirements
- Custom logo and packaging
- Firmware, app integration and finish options for project configurations



Technical Specifications

Product identity, access, connectivity and hardware platform.

Specification	Frozen Value
Model	YN-DL-H008
Exterior Panel Dimensions	420 × 75 mm
Standard Unlock Methods	Face recognition; fingerprint; password; card; mechanical key
Optional Unlock Method	Palm-vein recognition
Apps	Tuya Smart App; Smart Life App
Network	2.4 GHz Wi-Fi
Camera Functions	Two-way communication; video intercom; remote unlock
Supported Door Thickness	40-120 mm
Radar Detecting Angle	60°
Radar Effective Distance	Up to 1 m
Mortise	6068 mortise



Electrical, Capacity and Card Specifications

All capacity limits operate within the total system capacity.

Specification	Frozen Value
Battery Voltage	7.4 V
Battery Capacity	4200 mAh
Battery Type	Rechargeable lithium battery
Charging Input	5 V DC, 1 A or 2 A
Emergency Power Interface	Type-C
Emergency Power Input	5 V DC, 1 A or 2 A
Total System Capacity	300 users
Credential Capacity Limits	Total system capacity: 300 users. The system supports up to 10 administrators, 100 fingerprints, a shared capacity of 50 face and palm-vein credentials, and a shared capacity of 200 password and card credentials. These credential limits operate within the total system capacity and must not be added together as separate user totals.
Card Technology	MIFARE Classic S50 (1K) / S70 (4K)
Card Reading Distance	1-8 mm

Total system capacity: 300 users. The system supports up to 10 administrators, 100 fingerprints, a shared capacity of 50 face and palm-vein credentials, and a shared capacity of 200 password and card credentials. These credential limits operate within the total system capacity and must not be added together as separate user totals.



Commercial and Controlled Document Information

Specification	Frozen Value
Complete Lock Warranty	2 years
Core Components Warranty	3 years
MOQ	Standard MOQ: 500 pcs; OEM MOQ: 1,000 pcs; ODM MOQ: 3,000 pcs
Certification Support	YOUNUO can assist customers with local certification applications based on destination-market and project requirements. Final certification approval remains subject to the applicable local authority.

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Revision History

Version	Effective Date	Revision Description
2.0 Draft	2026-08-17	Controlled English revision aligned with the frozen H007-H / H008 shared specification platform.

Company and Contact

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