

YN-DL-H005-T08

Fully Automatic 3D Face Recognition Smart Door Lock



YN-DL-H005-T08 is a fully automatic aluminum-alloy 3D face-recognition smart door lock for 35–45 mm doors. It supports standard palm-vein recognition, fingerprint, password, MIFARE/NFC card and mechanical-key access, with optional 2.4 GHz Wi-Fi/Tuya App configuration and IP66-rated protection.

35–45 mm	IP66-rated	7.4 V / 3,500 mAh
DOOR THICKNESS	INGRESS PROTECTION	BATTERY

Designed for professional OEM/ODM programs where configuration clarity, reliable access methods and controlled product documentation matter.

Access & Key Features

Access methods, performance values and configuration status at a glance

ACCESS / FEATURE	STATUS	CONTROLLED DETAIL
3D face recognition	STANDARD	Bionic 3D face recognition with dual-camera sensing
Palm-vein recognition	STANDARD	Standard palm-vein recognition
Fingerprint	STANDARD	Fingerprint recognition speed ≤ 300 ms
Password	STANDARD	Password access
MIFARE / NFC card	STANDARD	Card access using MIFARE / NFC
Mechanical key	STANDARD	Mechanical-key access
2.4 GHz Wi-Fi / Tuya App	OPTIONAL	Configuration / SKU dependent
Bluetooth	UNSUPPORTED	Not available
Remote unlock	UNSUPPORTED	Not supported
Ingress protection	VERIFIED	IP66-rated protection
Face recognition speed	CONTROLLED	1.2–1.5 s

Configuration note: Optional Wi-Fi/Tuya App configuration does not indicate remote-unlock capability. No gateway is required.

Technical Specifications

Controlled values for the YN-DL-H005-T08

SPECIFICATION	CONTROLLED VALUE
Model	YN-DL-H005-T08
Product type	Fully Automatic 3D Face Recognition Smart Door Lock
Lock operation	Fully automatic
Mortise compatibility	85xx-series mortise only
Material	Aluminum alloy
Door thickness	35-45 mm
Operating temperature	-30 to +60 °C
Storage temperature	-30 to +70 °C
Operating humidity	20-93% RH, non-condensing
Ingress protection	IP66
Fingerprint FAR	≤ 0.001%
Fingerprint FRR	≤ 1%
Fingerprint recognition speed	≤ 300 ms
Face recognition speed	1.2-1.5 s
Battery	7.4 V, 3,500 mAh rechargeable lithium battery
Emergency power	5 V Type-C
Total system capacity	300 users
Administrators	Up to 10
Regular users	290
Fingerprint credentials	Up to 100
Password + card credentials	190 shared
Card technology	MIFARE / NFC
Palm-vein recognition	Standard
Wi-Fi / Tuya App	Optional, 2.4 GHz
Bluetooth	Unsupported
Gateway	Not required
Remote unlock	Unsupported
Complete-lock warranty	2 years
Core-components warranty	3 years

Capacity, Power & Configuration

A clear capacity model and configuration semantics for project specification

300 users TOTAL CAPACITY	Up to 10 ADMINISTRATORS	290 REGULAR USERS
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Total system capacity: 300 users, including up to 10 administrators and 290 regular users. The system supports up to 100 fingerprint credentials and a shared capacity of 190 password and card credentials within the total system capacity.

POWER & CAPACITY	CONTROLLED DETAIL
Fingerprint credentials	Up to 100
Password + card credentials	190 shared
Battery	7.4 V, 3,500 mAh rechargeable lithium battery
Emergency power	5 V Type-C

Configuration status

ITEM	STATUS	PROJECT INTERPRETATION
Palm-vein recognition	STANDARD	Included as a standard access method
2.4 GHz Wi-Fi / Tuya App	OPTIONAL	Configuration / SKU dependent
Bluetooth	UNSUPPORTED	Not available
Gateway	NOT REQUIRED	No gateway required
Remote unlock	UNSUPPORTED	Not supported
Mortise compatibility	85XX ONLY	85xx-series mortise only

Mortise selection should be confirmed against the project door specification before ordering.

OEM / ODM, Commercial & Compliance

Commercial baselines and controlled customer-facing compliance wording

COMMERCIAL POLICY	CONTROLLED VALUE
Standard MOQ	500 pcs
OEM MOQ	1,000 pcs
ODM MOQ	3,000 pcs
Complete-lock warranty	2 years
Core-components warranty	3 years
Ingress protection	IP66-rated protection

OEM / ODM capability

YOUNUO IET supports professional smart-lock OEM and ODM programs with configuration alignment, controlled product documentation and project-oriented commercial coordination.

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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