

## Product Overview

The T01 Pro 3D Facial Video Smart Door Lock is crafted with aerospace-grade 6-series aluminum, meticulously CNC-carved at the millimeter level. It features anodized oxidation, edge-bright surface cutting technology, and a pure black high-strength tempered glass panel, making it sturdy and eye-catching, showcasing a minimalist and luxurious texture. Equipped with the all-new 3rd generation financial-grade 3D structured light living face recognition and multiple detection alarm technologies, it supports various unlocking methods, including facial recognition, fingerprint, password, encrypted card, and key. Suitable for various settings such as homes, villas, offices, and more.



Black



Brown

## Ordering information

| Product Name             | Model                 | Product Description  | Order ID No. |
|--------------------------|-----------------------|--|--------------|
| T01 Pro Smart Lock Black | MSL-AD-T01-W11808-BEN | Black,WiFi; Large handle type; Aviation aluminum + tempered glass material; CNC anodizing process; Power supply: 5000mAh lithium battery; Size :364.5×82×73.1mm; Features: 3D structured light face recognition, video intercom, infrared night vision, resident detection; Unlocking method: face/fingerprint/password/swipe card/key ; Left/right door opening mode; 6068 standard/Overlord gear lock body | 34319        |
| T01 Pro Smart Lock Brown | MSL-AD-T01-W01808-BEN | Brown,WiFi; Large handle type; Aviation aluminum + tempered glass material; CNC anodizing process; Power supply: 5000mAh lithium battery; Size :364.5×82×73.1mm; Features: 3D structured light face recognition, video intercom, infrared night vision, resident detection; Unlocking method: face/fingerprint/password/swipe card/key ; Left/right door opening mode; 6068 standard/Overlord gear lock body | 34320        |

## Key Highlights

- Third generation 3D structured light, BCTC enhanced authentication, real face unlock recognition technology;
- The semiconductor fingerprint sensor combined with fingerprint design of the handle makes it easy to open with one grip and easy to use;
- Detachable handle guard plate, solve the door clamping hand pain points;
- The digital area has a white backlight display and the keys are clear at a glance;
- Standard 5000mAh large battery to ensure the life of the door lock;
- Supports face recognition ,fingerprint, password, encrypted card, key, and button ,six-in-one unlocking methods;
- Supports a 20-bit virtual password, which is effective against prying eyes and leaks.
- Alarm function: Resident alarm, anti-skid alarm, anti-test alarm, low power alarm and other functions;
- C class pure copper lock cylinder and B class all-steel lock body illustrate the strength of safety;
- Hidden keyhole, charging hole, waterproof and dustproof;
- Supports human body motion detection, detection switch and time are adjustable, detection distance is 1 meter;

Product Features



Password Unlock



Fingerprint



Encrypted Card



Mechanical Key



3D Face



Stay and Capture



Independent  
Deadbolt Lock



Anti-test Opening Alarm



Anti-pry Warning



Anti-little Black Box



Dummy Password



Emergency Power Supply



Low Battery Warning

Product Specifications

1.Specifications

| Project                                      | Description   |
|--|---|
| Product Size<br>(length × width × thickness) | 413×79×56.25mm (Front panel)<br>413×79×25mm (Rear panel)                |
| Color  | Black, Brown  |
| Shell M aterial                              | 6 series aviation grade aluminum alloy                                  |
| Surface Technology                           | CNC, anodizing  |
| Adapt to Lock Body                           | 6068 standard lock body/overlord lock body                              |
| Door Lock Cylinder                           | Class C automatic lock core   |
| Input Power                                  | 5000mAh lithium battery 7.4V  |
| Emergency Power Outlet                       | Type-C (5V)   |
| Average Operating Power Consumption          | <200mA  |
| Standby Power Consumption                    | <500μA  |
| Operating Temperature                        | -25℃ ~ +70℃   |
| Storage Temperature                          | -40℃ ~ +70℃   |
| Working Humidity                             | 0~93%±3%RH, no condensation   |
| Flammability Rating                          | GA 374-2019 standard  |
| Protection Level                             | IP52  |
| Applicable Door Thickness                    | Standard 50mm~100mm (if you need 45mm~130mm, please note when ordering) |
| Applicable Door Types                        | Wooden doors, security doors  |
| Door Opening Direction                       | Supports left inner/outer door opening, right inner/outer door opening  |
| Product Net Weight (g)                       |   |
| Product Gross Weight (g)                     |   |

## 2.Hardware and interface

| Project                     | Description  |
|-----------------------------|--|
| Screen                      | Not Supported  |
| Fingerprint reader          | Semiconductor  |
| Number Key                  | 3×4 numeric keypad   |
| Doorbell Button             | Individual doorbell Key  |
| Front panel lock Key        | Touch Key,Short press 0.2 seconds to lock  |
| Rear panel unlock Key       | Physical Key,Short press to unlock   |
| Rear panel lock Key         | Physical Key,Short press to lock   |
| Mute Key                    | Supported, press and hold the 0 key for 2 seconds to enter silent mode, sleep or enter the management background to exit automatic silent mode |
| Reset Key                   | Supported (rear panel)   |
| Camera                      | Supported (front panel)  |
| Resolution                  | 1M pixels(720P)  |
| Viewing Angle               | Vertical angle 97.8°, horizontal angle 54°, diagonal angle 113.8°  |
| Audio output                | Front speaker, rear speaker  |
| Body Breathing Light        | Supported  |
| Fingerprint Breathing Light | Not Supported  |
| Battery Indicator           | Not Supported  |
| Button Indicator Light      | Supported  |

## 3.Communication Parameters

| Project        | Description   |
|----------------|---------------|
| Door Lock Form | Network type  |
| WiFi           | Supported     |
| Bluetooth      | Not Supported |
| Zigbee         | Not Supported |
| NB-IoT         | Not Supported |

## 4.Fingerprint Parameters

| Project                                  | Description  |
|--|--|
| Capacity                                 | Management fingerprint: 1; ordinary fingerprint : 99;                            |
| Fingerprint False Recognition Rate (FAR) | ≤0.001%  |
| Fingerprint rejection rate (FRR)         | ≤5%  |
| Fingerprint recognition speed            | 1 seconds/piece (the speed does not change when the fingerprint library is full) |
| Contrast Method                          | 1:N  |
| Fingerprint recognition Angle            | 360°   |
| Number of Press                          | 100,000 times  |

5.Functional Parameters

| Project                         | Description   |
|---------------------------------|---|
| Unlocking method                | 3D Face,Fingerprint, password, encrypted card, key, rear panel  unlocking   |
| 3D face Capacity                | Management face: 1; ordinary face: 99;  |
| Face in vivo passage rate (TPR) | >99.9%  |
| Face Misrecognition rate (FPR)  | <0.1%   |
| Face viewing Angle              | 66° vertical, 52° horizontal  |
| Face viewing distance           | 0.4m away from the lock, 1.29m-1.76m people can see<br>0.6m away from the lock, 1.23m-2.00m people can see  |
| Dummy Password                  | Supported, up to 20 characters  |
| Number of Password Digits       | 6 digits  |
| Password Capacity               | Management password: 1; ordinary password: 49;  |
| Card Type                       | M1 card (compatible with CPU card)  |
| Card capacity                   | 100 sheets  |
| Encrypted Card                  | Supported (anti-copy)   |
| Voice prompts                   | Supported   |
| Anti-Tesla                      | Supported (anti-black box destruction and unlocking)  |
| Anti-pry alarm                  | Supported, you can choose to turn on/off the anti-pry function  |
| Trial and Error Alarm           | Supported, a total of 5 trial and error attempts for fingerprint, password, and card (5~9 times can be set, 5 times by default), the system will ring an alarm and lock for 90s |
| Low Voltage Alarm               | Supported. When the first prompt "The battery is low, Please charge the lithium battery", the door can still be opened about 100 times.   |