3D facial recognition visual intercom Stainless Steel Smart Door Lock

Quick Operation Guide

-Supports radar human sensing, 3D facial (palm vein) contactless unlocking
-Supports facial recognition in both darkness and bright light
-Supports fingerprint, card, and password, WeChat Mini Program, remote unlocking Supports emergency mechanical key unlocking
-Supports remote unlocking (optional)
-Built-in doorbell, visual peephole supports active intercom and wandering capture
-Supports real-time monitoring, allowing you to actively check the situation outside the door at any time Snapshot video cloud storage
-SUS304 stainless steel material
-Supports quick opening of indoor handles
-Supports combination unlocking
-Supports anti-peeping feature for virtual passwords
-Supports low battery, trial and error, and anti-pry alarm
-Supports emergency power supply interface (Interface type: Type C)
-Supports multiple languages

Note: Please keep the mechanical key in a safe place outdoors before installation Please read the manual carefully.

Functions and Operations

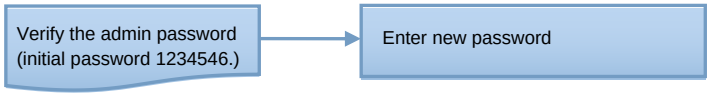
1. Initial State

The factory management password is "123456" to unlock the door

You must change the management password before entering the menu functions In the initial state, the body sensor will automatically activate, allowing any face to unlock the door.

2.General Operating Principles

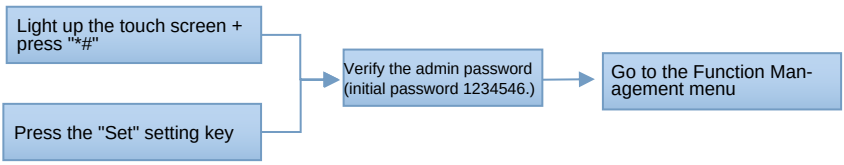
For first-time use, you need to add a set of management passwords. The initial verification password is "123456"



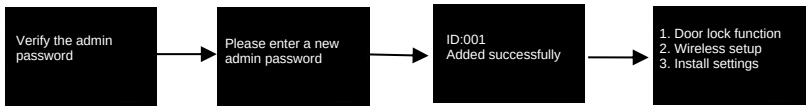
The "#" key is the confirmation key or the menu access key

The "✲" key is the clear/back key; press it briefly to clear the input when entering the password

3.Enter the door lock function management (after the door lock is awakened, press * + # key to enter the management menu)



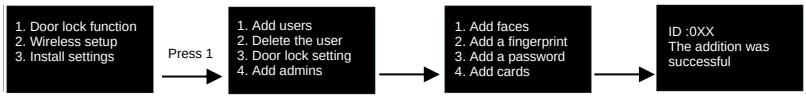
In the initial state, after lighting up the touchscreen, press " " or directly press the "Set" key on the back panel to prompt for verification of the management password. After entering "123456", you will enter the process to add a new administrator password. Once added, the voice will announce: "001 added successfully," and you can then access the door lock function management, as shown in the figure:



Entering the menu, voice broadcast: "1. Door lock functions 2. Wireless settings 3. Installation settings"

4. Add User

Add users can add faces (palm vein), cards, passwords, and fingerprints. After entering the function, follow the display and voice prompts to select the type to be added.

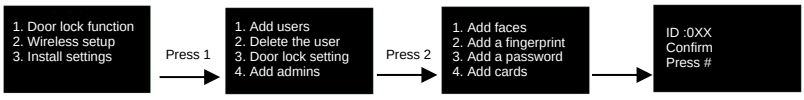


Voice broadcast: "1. Add face 2. Add fingerprint 3. Add password 4. Add card" Note:

When adding, the ID will automatically start from "ID: 10" in order. The password length is between 6 to 12 digits. After entering the new password, you need to press the '#' key to confirm.

5.Delete user

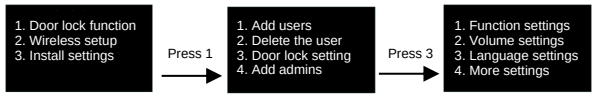
Delete user information such as face (palm vein), fingerprint, card, or password (or remote control). After entering the function, follow the on-screen and voice prompts. The screen displays: "Please enter the number to delete," and the voice s ays: "Please enter the number to delete." After entering the number to delete, press the # key to confirm deletion.



Note: When entering the delete ID "999", the system initializes; when entering the delete ID "000", all regular users are deleted.

6. Door Lock Settings

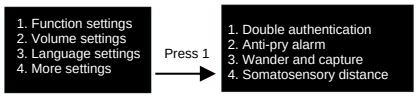
After entering the function, follow the display and voice prompts. The screen displays: "1. Function settings, 2. Volume adjustment, 3. Language settings, 4. More settings.



(1) Function settings

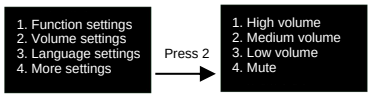
In the function settings, you can choose to turn on or off the function according to the corresponding number (note: the sensing distance level is divided into: the minimum set ting is off, the maximum setting is 10, each click is accumulated, and after setting 10, click again to turn it off). Press the "#" key to repeat the voice.

Voice Broadcast:
1. Turn on two-factor authentication (or turn it off)
2. Turn on anti-prying (or turn it off)
3. Enable or disable hovering capture function
4. Adjust somatosensory distance



(2) Volume Setting

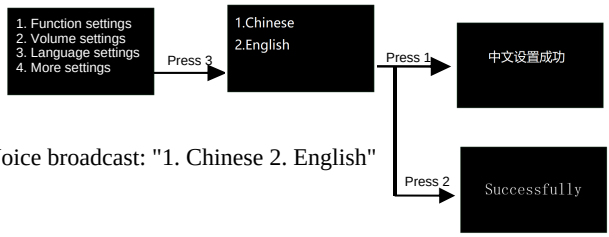
Volume adjustment can adjust the voice volume of the door lock. After entering the interface, press "Prompt" to select the button for adjustment, and the volume will increase or decrease accordingly. Press the "#" key to repeat the speech.



Voice broadcast: "1. High volume 2 Medium volume 3. Low volume 4. Mute"

(3) Language settings

The language setting can adjust the lock broadcast language and text display line of the door, and after entering the interface, select button 1 or button 2 according to the prompts to adjust the Chinese mode or English mode. Press the "#" key to repeat the voice.



Voice broadcast: "1. Chinese 2. English"

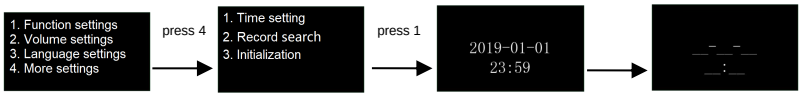
Just enter the numbers below and press‘ #’ key to switch your Language

Multi-Language switching code :

Chinese 555666888#	Arab 555666883#
English 555666880#	Russian 555666884#
Vietnamese 555666881#	Thai Chinese 555666885#
Portuguese 555666882#	Spanish 555666886#

(4) Time setting

The time setting can adjust the time of the door lock system. After entering the interface, the door lock first displays the current time, and then enters the time setting interface after completion. Then, it prompts the user to enter the year, month, day, hour, and minute according to the display and voice prompt buttons. Each input needs to be confirmed by pressing the # key until it is completed. After a successful completion, the voice will prompt "operation success".



(5) Record inquiry

Log query is mainly used to query door lock logs, and the log records include unlocking events, adding, deleting, and modifying user events.

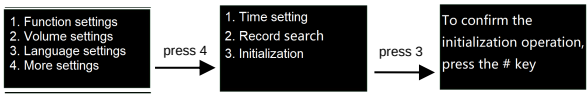


Note: The total number of records stored is 500, numbered from 001 to 500, and after the number of records reaches 500, the new records will overwrite the old records one by one.
Press the number key: '5'. Toggle to show the previous record, 8. Toggle to show the next record"

(6) Initialization

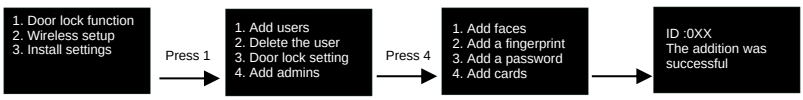
Used to restore the lock to the initialized state and set the administrator password to 123456.

Press the number key: "* key to cancel, # key to confirm."



7. Add administrators

When you use it for the first time, you need to add an administrator first.
To add an administrator, you can add faces, cards, passwords, and fingerprints, and then press the display and voice prompts to select the type you want to add.



Voice broadcast: "1. Add face 2. Add fingerprint 3. Add password 4. Add card" **Note:**
1. Add IDs are automatically added in order. The number of password digits is 6 to 12 digits, and the total number of administrator users is 9.

2. The first group of administrator passwords entered is the door lock management password of the WeChat applet "S-level smart lock". If you use the WeChat applet, please use the group administrator password.

8. Wireless settings (pairing network devices and remote controls)

(1) Add network (or add remote control) After successfully verifying the administrator information, enter the door lock function management, press the
button to select 1, and enter the add network interface, you can network the operation (or add remote control).

Voice announcement: "1. Add network 2 Delete network"



(2) Delete the network (or remote control)

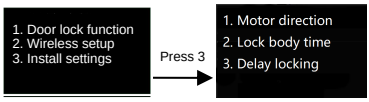
Press the key to select 2, enter delete network, and wait for deletion.



(3) Add remote control (optional): Select 3 to add remote control, press the remote unlock button to successfully add.
(4) Delete remote control: Select 4 to delete the remote control, and confirm to delete all added
remotes.
(Note: If multiple remote controls are added, one must be deleted individually. To delete, enter the number in the delete user menu.)

9. Install the settings menu.

Note: The normal installation settings are used during installation and debugging. Please operate with caution.

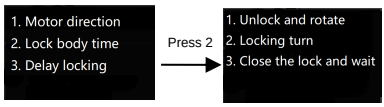


1） Motor steering

Press 3 to enter "Installation Settings", select "Motor Direction", and set the forward and reverse rotation of the motor to adapt to the needs of opening doors in different directions. After setting, the system will unlock once to confirm the direction of rotation. If the setting is unlocked, the direction is normal.

2） Lock time

(1), unlocking rotation (2), locking rotation

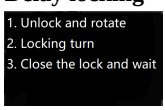


The rotation time of the motor when unlocking or closing can be selected according to the requirements of the lock body. (Note: The unit of reversal time is 0.1 seconds, the default unlocking rotation is 0.3s, and the default locking rotation is 0.4s). The time is set to correspond to the numeric buttons, e.g. pressing "1" for 0.1 seconds and "2" for 0.2 seconds; In addition to the number "0", select the desired time from "1 - 9", i.e. 0.1 to 0.9 seconds.

3) Close the lock and wait

The waiting time for closing the lock is the waiting time between unlocking and the reversal of the slanted tongue, the default waiting time is 3 seconds, and the range is 3-9 seconds.

3. Delay locking



After the delay locking is enabled, it will be automatically locked according to the set time after each unlocking, ranging from 10-30 seconds.

10. Restore factory settings

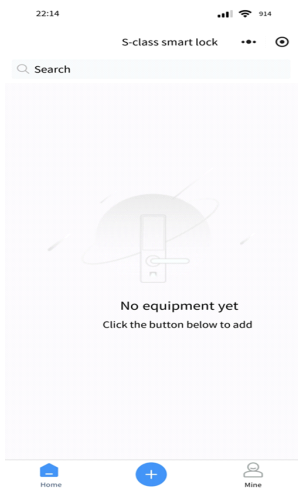
Method 1: Press and hold the unlock and close buttons on the cat's eye screen on the rear panel for 5 seconds at the same time, prompting "Initial
Initiation operation, confirm, please press #", press '#', the system will enter the state of factory reset, all unlocking information and records will be cleared, after success, the initial password is 123456 (for
administrator verification).

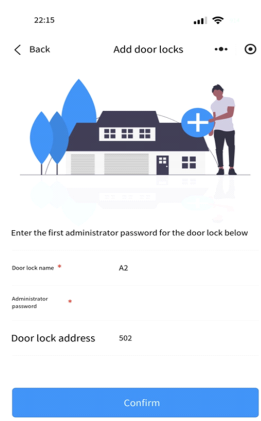
Method 2: After passing the administrator verification, perform a factory reset in the system menu.

11. Unlocking with WeChat Mini Program (Offline Temporary Password)

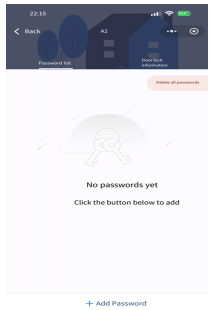
1. Search for the "S-class smart lock" mini program in WeChat or scan the QR code to enter.

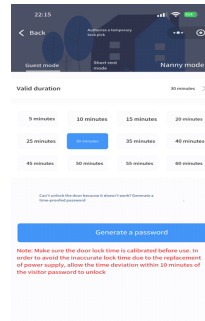
2. Click the "+" button at the bottom of the app to add the door lock information. Note: The administrator password must be the First administrator password of the door lock.





3. After adding the lock, click on the lock that needs to be set, then click the "＋ Add Password" button at the bottom o f the app. Depending on the usage scenario, select the corresponding mode and valid time period, then click "Generate P assword" to copy or share the generated password with the user.





4.Enter the generated temporary password on the lock to open the door.
Note:
1.Before using, please ensure that the lock's time is calibrated. The temporary password allows visitors to unlock with a time deviation of up to 10 minutes.
2.After the short-term rental mode temporary password takes effect, it must be used at least once within 24 hours, otherwise the password will expire.
3.After the first use of the nanny mode password, it must be used again within 60 minutes, otherwise the password will expire.
4.If the lock's time is inaccurate and you cannot unlock, click on the "Time Calibration Password" link in the mini-program interface to obtain the time calibration password. Enter this password on the lock as soon as possible to calibrate the lock's time. After successful calibration, you can use the temporary password to open the door.
5.For your safety, please keep your passwords secure.

12. Other Notes

1)Password Anti-Peeping Feature: When opening the door with a password, input it in the following manner: XXX passwordXXX; you can add some irrelevant numbers before and after the password, then press # to confirm. The actual password must be included within the entered sequence.

2)Automatic System Exit: If there is no operation for more than 16 seconds during each session, the system will automatically log out.

3)Low Voltage Alarm:After the voltage drops below 6.9V, an automatic alarm will sound each time the lock is opened. Please charge or replace the batteries promptly after the alarm.

4)Human Body Induction:After each lock opening, there will be a 10-second delay before the system restarts to prevent accidental activation when exiting.

5)Loitering Capture:When the lock detects someone loitering abnormally in front of the door, it will capture a 5-second video and push it to your phone.

6)Tamper Attempt Alarm:If the wrong password is entered more than 5 times consecutively within 5 minutes, the keypad will be locked for 90 seconds, during which the system will not respond to any operations. The lock will capture a 5-second video and push it to your phone. An administrator can unlock it through the settings button on the back panel.

7)Tamper Alarm Capture:When the lock is tampered with, it will sound an alarm and capture a 5-second video, which will be pushed to your phone.

8)Human Body Induction Limit:If the human body induction is triggered 15 times without detecting a face or lock opening within the time limit, the system will temporarily disable the induction for 2 hours (during which the loitering capture function will be temporarily disabled). It will resume after 2 hours or the next operation to prevent accidental activation in areas with frequent movement, which could drain the battery.

9)System Version Inquiry:Press "00#" to hear the current system version number announced.

10)Current Time Inquiry:Press "99#" to hear the current time announced.

11)Quick Installation Setup:In the initial state, press "888#" to quickly access the installation settings menu for easy adjustment of the motor direction.

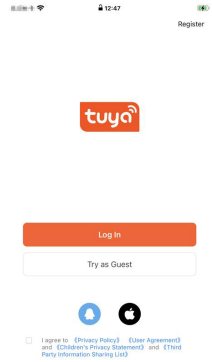
12)Lock Core Rod Installation:When installing the lock, ensure that the lock core rod does not press against the lock panel (after the lock core is installed, the rod should be no more than 2CM above the door surface).

Smart lock networking operation instructions

1. Add devices

1. Download the Tuya Smart APP (or scan the QR code below) from the mobile app market and install it.

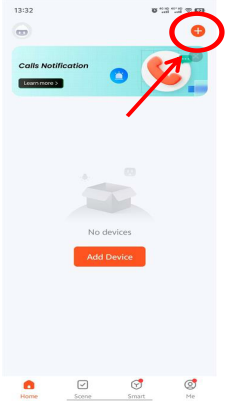
2. Open the app, click "**Create New User**" in the middle, register an account as prompted, and log in.

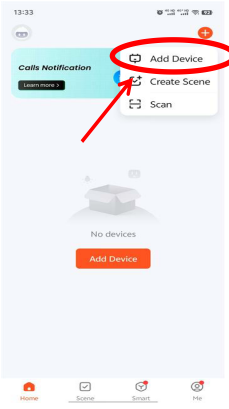


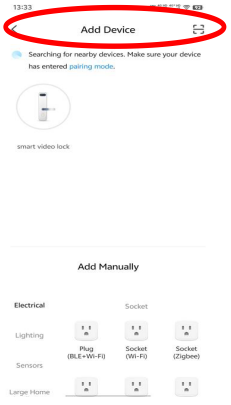
3. Check the WIFI network connection of your mobile phone and ensure that it is connected to the 2.4G network of the router.

4. Press the '*#' key on the door lock to verify the administrator and access the menu. Select "2 Wireless Settings" - "1 Add Network". The door lock will prompt for wireless pairing, and it will enter the network configuration state.

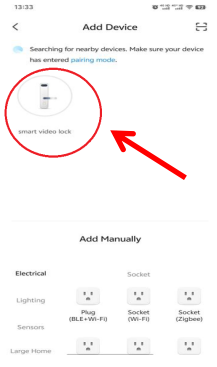
5. Tap the Add button located in the upper right corner of the Tuya APP. Select Add Device and wait for the APP to search for nearby devices. Alternatively, you can choose the menu categories on the left: Add Device - Camera/Lock - Door Lock (WiFi). Enter the WIFI password, then continuously click Next and select "Wi-Fi Quick Connect" to put the APP in the connected device state.

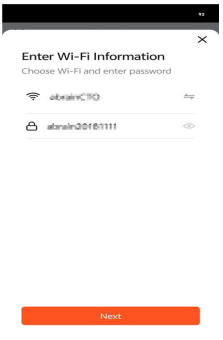


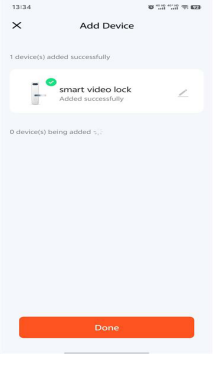




6. After the APP discovers the device, click the Add button, enter the current WIFI network name and password (must be a 2.4G network), click the next button, and click Finish after waiting for the device to be added.

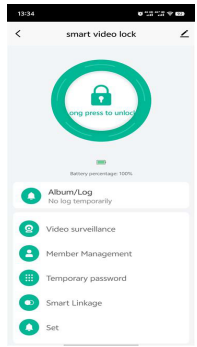






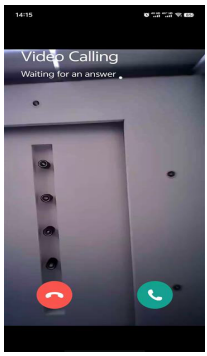
2. Use of equipment

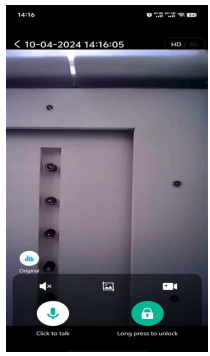
Enter the door lock interface in the app, you can directly click the middle button to unlock the lock. Click on the menu bar to use the corresponding functions and settings.



(1) Remote door opening

1. When a visitor rings the doorbell, the mobile phone will receive a pop-up reminder. Click to answer and enter the video viewing interface, where you can engage in intercom, unlock, and other operations.





(2) Album/Log

In the album/log, you can view the alarm records, lock/unlock information, as well as the captured videos during door lo ck alarms and remote unlocking requests. You can also associate unlocking information for unlinked users.

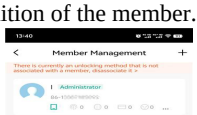
(3) Video Surveillance

Select video monitoring to actively check the situation outside the door lock, as well as to conduct intercom, remote unlocking, and other operations. (Note: Video monitoring can only be used during non-sleep periods.)

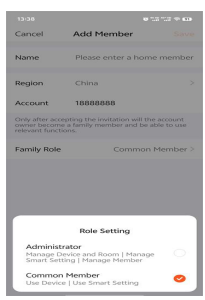
(4) Member Management

In member management, family members can be added, and unlocking information can be associated and managed. A specify fingerprint or password can be designated as a special unlocking method to implement a hijacking alarm function.

1. Add family members: Click the "＋" button in the upper right corner, enter the name and account of the member to be added, select the member's role, and save to complete the addition of the member.

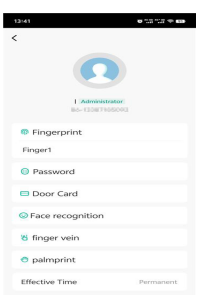


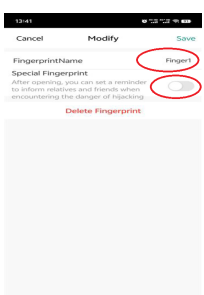


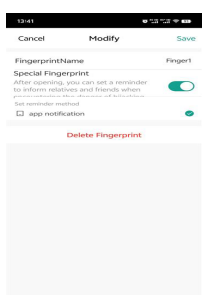


2. Associated user:

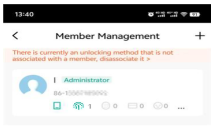
Click the red prompt above for un-associated users and select the unlocking information to be specified for the corresponding member.

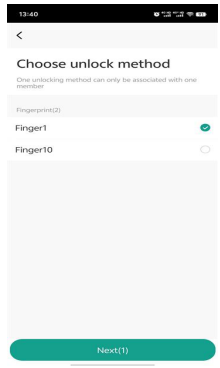


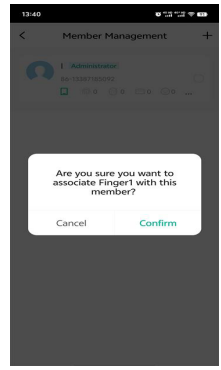




3. Unlocking information management: Select the user to be managed, click to select the unlocking information that needs to be edited, change the name, and set up special unlocking method settings and reminders. When a fingerprint or password is set as a special unlocking method, the APP will send a hijacking alarm after unlocking the door lock.



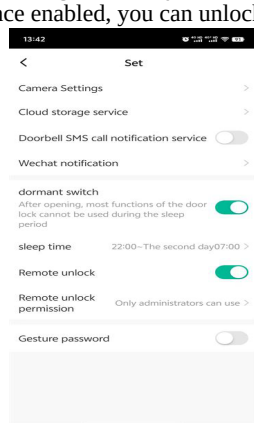




4. Temporary Passwords
Click on "Temporary Passwords" to perform operations related to temporary unlocking information, following the prompts in the APP for specific actions.
(1) "Time-limited," "Single-use," and "Clear" are offline passwords. When the APP generates "Time-limited," "Single-use," and "Clear" passwords, there is no need for the lock to be connected to the internet. After generating the password, enter the password on the lock to unlock or clear the temporary password. (*The lock's time must be synchronized with the current time.) Validity periods are as follows: "Time-limited" passwords are valid for the set duration (must be used at least once within 24 hours), "Single-use" passwords are valid for 6 hours, and "Clear" passwords are valid for 24 hours.
(2) "Dynamic" passwords are offline passwords and are valid for 5 minutes after generation, and can be used multiple times before they expire.
(3) "Custom" passwords are online passwords that need to be sent to the lock after genera tion to be used. You can check whether the password has been successfully sent on the record interface. (If the lock is offline during the sleep period, and the custom password has not been successfully sent (the record shows "pending send"), you can press the doorbell button on the lock to connect it to the internet and send the password. After successful sending, the record will show "in use," and you can unlock the door with this temporary password at this time.

5. Smart Linkage
By setting up smart linkage, you can connect the lock with Tuya Smart Home products.

6. Settings
1) Camera Settings: You can set up one-way or two-way intercom based on network conditions to achieve better call quality.
2) Sleep Switch: Set a reasonable sleep time according to the usage scenario to reduce the lock's power consumption and extend its standby time.
Note: During the sleep period, the APP will show that the lock is offline, but the APP can receive doorbell message notifications, loitering captures, tampering alerts, wrong password warnings, and door opening records. After receiving a doorbell notification, you can remotely unlock the door via the APP; however, during the sleep period, you cannot actively view the lock's monitoring or actively unlock the door via the APP.
3) Remote Unlocking: Once enabled, you can unlock the door remotely from your phone (enabled by default).



The APP operation is for reference only.

Please log on to the official website of Tuya for more information.

Product Parameters

Power Supply	7.4V Lithium Battery
Average standby current.	Active Viewing On: ≤200 μA (can check and unlock the door). Active Viewing Off: ≤150 μA (cannot check the door, can unlock remotely via doorbell)
Average operating current	< 2A
User capacity	300 groups (9 admin, 291 regular users)
Face recognition	≤100 groups (including palm vein users)
Fingerprint capacity	≤100 groups
IC card capacity	≤300 groups
Password capacity	≤300 groups
Fast unlock time:	≤0.8 seconds
Face recognition distance	0.3~1.2 meters
Palm vein distance	0.1~0.3 meters
Operating temperature	-10℃ to 60℃
Relative humidity	20% to 93%