Smart Home Systems

SHARP S1-FV

SMART VIDEO DOOR LOCK - FACE & PALM VEIN

3D Face + Palm Vein | 4.5-inch Screen | 5000 mAh

TECHNICAL DATASHEET

English | Reference edition v1.0

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Branded reference copy - product model SHARP S1-FV



SMART LOCK • 3D FACE & PALM VEIN • VIDEO

SHARP S1-FV

Smart Video Door Lock - 3D Face & Palm Vein

The Sharp S1-FV combines 3D face, palm vein and fingerprint recognition with additional access options, a built-in HD camera and a 4.5-inch indoor screen for monitoring visitors. It connects to the Tuya Smart app over WiFi and supports remote unlocking and a smart doorbell.

3D Face + Palm Vein

Plus fingerprint, PIN, card, remote unlock and key.

4.5-inch HD Screen

Indoor screen with a built-in HD camera.

5000 mAh

Rechargeable lithium battery.

3D Face | Palm Vein | Fingerprint | Remote Unlock | Smart Doorbell | Tuya Smart / WiFi

Key Features

Smart Access, Multiple Methods

3D face recognition, palm vein recognition and fingerprint, plus PIN, access card, remote unlocking and a mechanical emergency key.

Camera & Screen for Visitors

Built-in HD camera and 4.5-inch indoor screen to monitor the entrance, with a smart doorbell that sends alerts to your phone.

Premium Design & Smart Control

Push-Pull design with a CNC-finished metal body, managed and monitored via the Tuya Smart app over WiFi.

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Technical Specifications

Item	Specification
PRODUCT	
Brand	SHARP
Model	S1-FV
Product type	Smart Video Door Lock
Design	Push-Pull / CNC Finish
UNLOCK METHODS	
Face recognition	3D Face Recognition
Palm vein recognition	Palm Vein Recognition
Fingerprint	Fingerprint Authentication
Additional unlock methods	PIN / Access Card / Remote Unlock / Mechanical Key
Lock management	Tuya Smart
CAMERA & CONNECTIVITY	
Camera	Built-in HD Camera
Indoor screen	4.5-inch HD Display
Monitoring	Visitor Monitoring
Doorbell	Smart doorbell with phone alerts
App	Tuya Smart
DESIGN & POWER	
Material	Metal Body / CNC Finish
Battery	Rechargeable Lithium Battery 5000mAh
Connectivity	WiFi
Use	Compatible Entrance Doors

How It Works

1. Choose an Unlock Method

Unlock with 3D face, palm vein, fingerprint, PIN, access card or remotely from the app, with a backup mechanical key.

2. See the Visitor

Monitor the door through the built-in camera and the 4.5-inch HD indoor screen; get a phone alert when the smart doorbell is pressed.

3. Manage from Your Phone

Use the Tuya Smart app to manage lock functions, follow alerts and unlock remotely over WiFi.

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Operating Features

Smart Security Alerts

Low-battery and failed-entry alerts to track the lock status and protect the entrance.

Camera Visitor Monitoring

The built-in camera lets you monitor the entrance and see visitors on the indoor screen.

Backup Access

A mechanical key is available when needed; keep it in a safe place outside the home.

Applications

Residential Apartments | Villas | Smart Homes | Private Offices

Installation Tips

- Make sure the door is compatible with the lock body and required mortise.
- Check the door thickness and the mounting space for the inner and outer panels.
- Determine the opening direction and Push-Pull compatibility before installation.
- Prepare a WiFi network to connect the lock to the Tuya Smart app.

> **Note:** The lock connects to the Tuya Smart app over WiFi, supports remote unlocking and a smart doorbell, and runs on a rechargeable 5000mAh lithium battery.

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