



EZVIZ DL50FVS **5085 Lock Body**
Face Recognition Smart Lock

***Next-level convenience
smartly made touchless***



THE
ASIAN
EXPORT AWARDS
2025

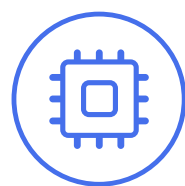


The latest innovation in EZVIZ's smart entry category, the DL50FVS, is ready to revolutionize your front door with advanced 3D facial recognition technology and top-notch home security features. As a multi-purpose device that acts as a smart lock, security camera and video doorbell, it provides secure yet simple access to your home while offering added convenience and protection to enhance your quality of life.

Key Features



Face Recognition with Dual-Lens 3D In-Depth Sensing Technology



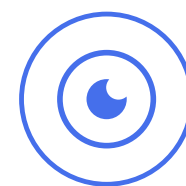
Built-In Security Chip for Local Processing



Multiple Unlocking Methods



Remote EZVIZ App Controls & Alerts



Built-In Smart Door Viewer



4-Inch IPS Color Screen



Live View with Two-Way Video Call



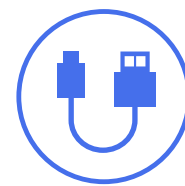
Up to 4 Months of Battery Life (5,000 mAh Rechargeable Lithium Battery)¹



Safe Design Against Peeping & Forced Entry



Sturdy Lock Body with Anti-Tamper Alarm



Supports Emergency Power Supply

Touchless unlocking, securely powered by EZVIZ Technology

No more keys or cards dangling in your pocket. No more struggling to remember a complicated passcode. With the DL50FVS, gaining access to your home is now as easy as unlocking your phone.

Proudly powered by EZVIZ's self-developed facial recognition technology, the DL50FVS swiftly processes the detected facial images, and opens the door only for the right person.



+ 3D facial recognition

+ camera visual module

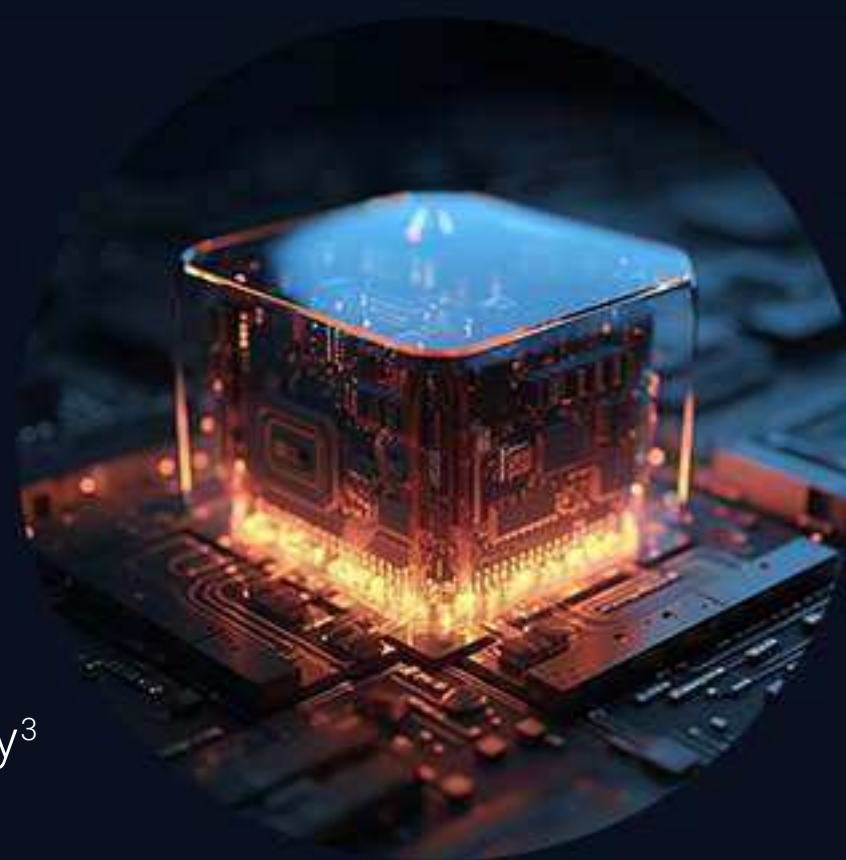
+ imaging algorithm

Speedy

High-performance AI chip and dual-core CPU to ensure fast facial identification in less than 1.5 second²

Secure

Strict data protection and local processing on the on-device AI chip to prioritize your privacy³



Smart

Smart recognition of only real human faces rather than photos/videos, despite makeup or angles

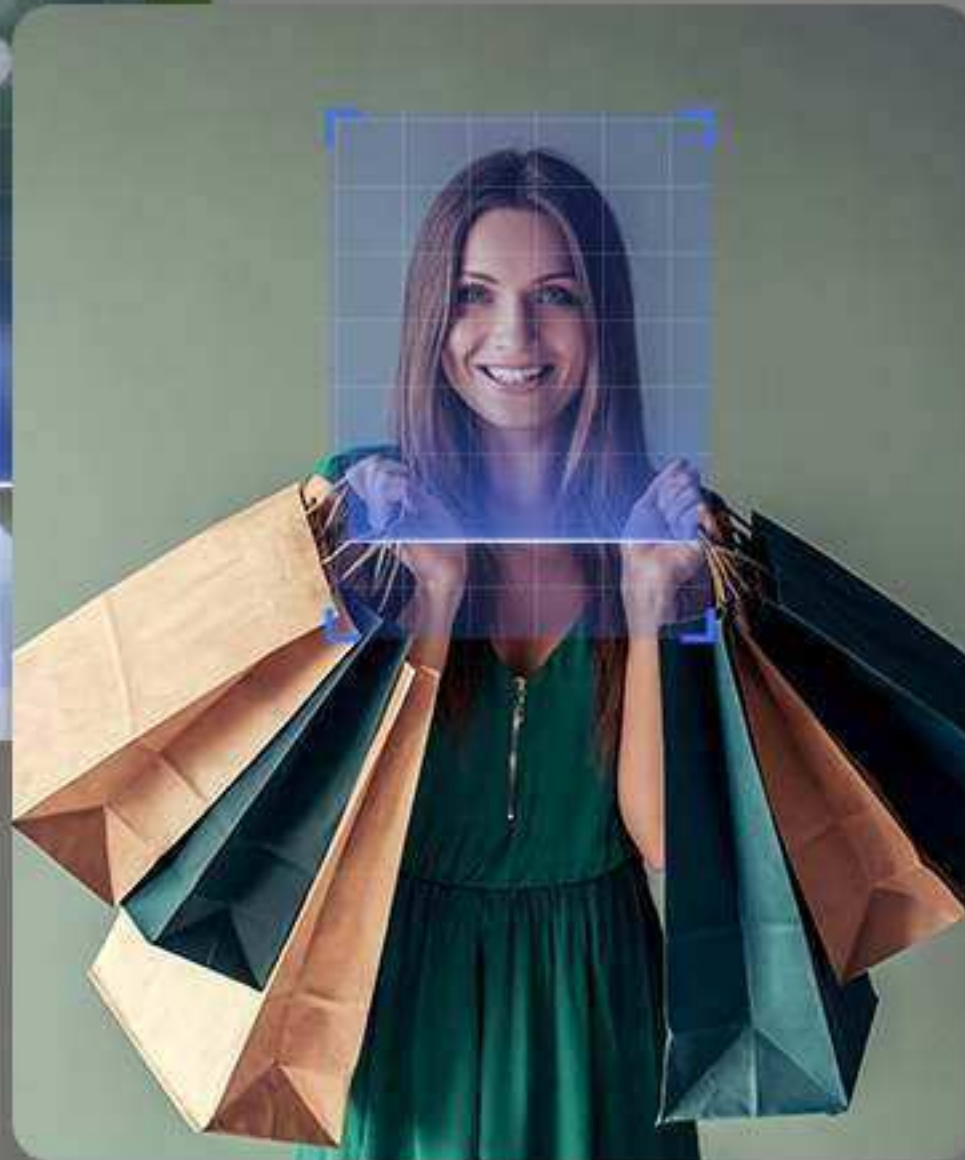
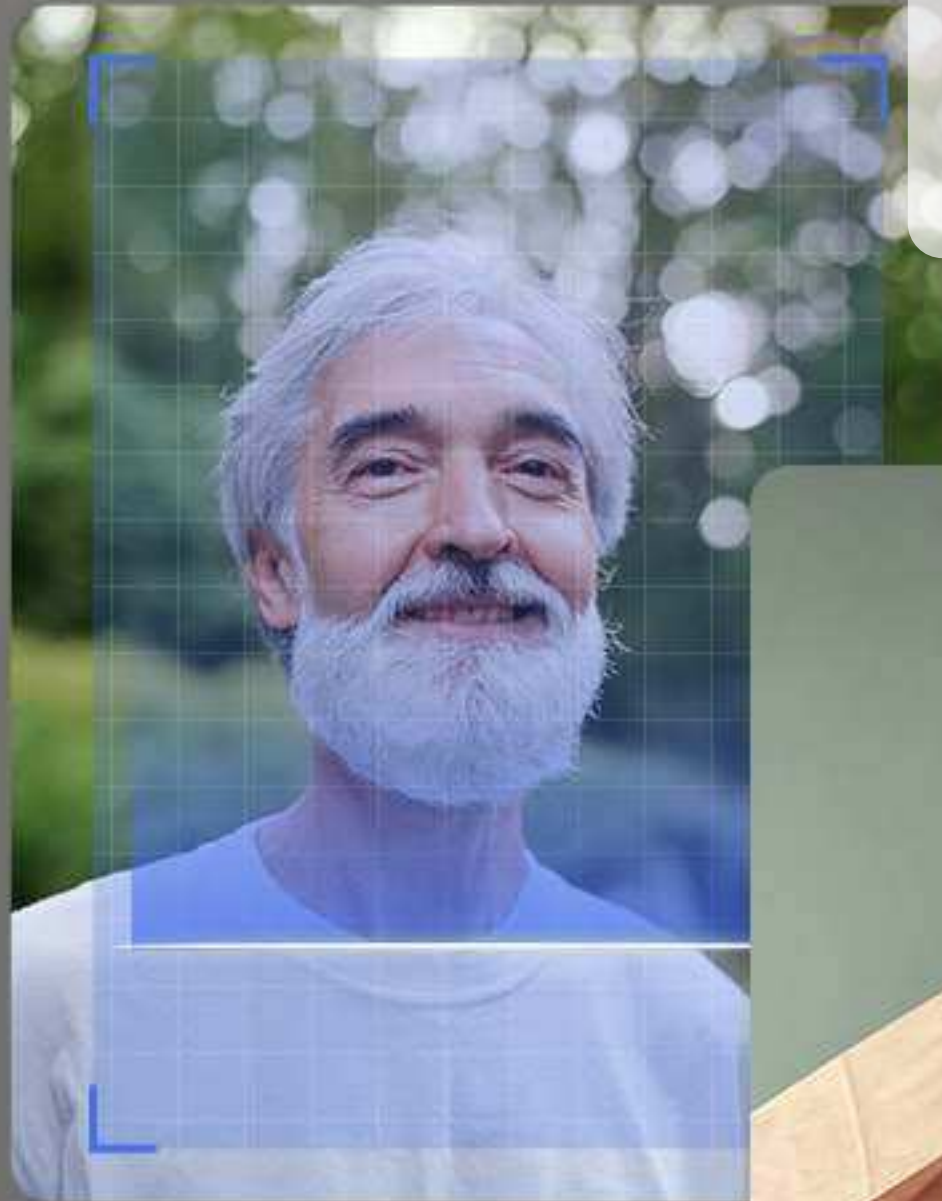
Easy

Extended detection height from 1.2 to 2 meters to provide convenience for kids, adults and seniors

Arriving home can be this easy for everyone

Whether you have your hands full after a day's shopping, or you have children who have accidentally locked themselves out and can barely remember the passcode, the DL50FVS lets everyone in the family in without a problem.

+ Supports OTA update for continuous improvement on detection capability



A smart doorman to see and respond

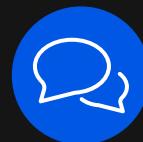
You no longer need to lean against the peephole to know who's outside. The DL50FVS works as a smart camera to notify you about a visitor even before they knock. A quick glance at the indoor color monitor is all it takes to understand what's happening. Or, you can use your phone to verify the visitor's identity even remotely.



*Crisp
video quality*



*Ultra-wide
field of view*



*Two-way talk
(with voice
changer feature)*

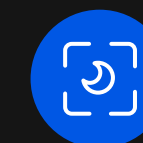


A reliable guard that works 24/7

Whenever people linger around your entrance area, the DL50FVS will notify you about such human motions via your mobile phone. Even late at night, the lock provides you with clear images. You can also check history motion videos stored on the device, in case you miss anything.



*Radar human
presence sensor⁴*



*IR night vision
(up to 2 meters)*



*Built-in eMMC
Local Storage*

User-friendly design, elegant style

The DL50FVS is a well-designed, versatile product that fits into any modern home with its high quality and elegant appearance. It ensures smooth, comfortable unlocking thanks to the unique, easy-to-grab handle. You can easily tilt the handle from whichever side you want to open the door, and don't have to worry about pinching your fingers on the door.



Enjoy much more flexible unlocking options

Recognizing the family isn't the only way the DL50FVS grants safe access. It has possibly one of the most flexible ways of unlocking.



Face IDs



Fingerprints



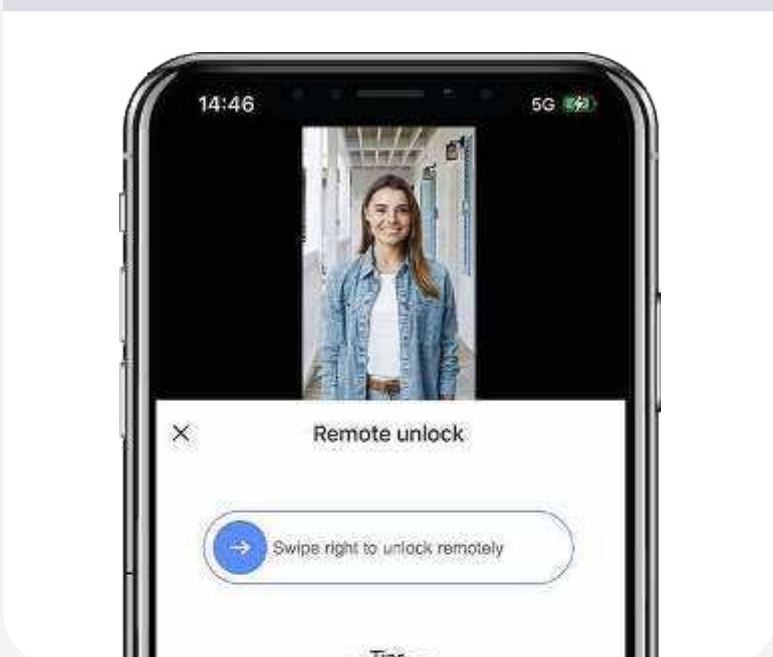
Passcodes



Temporary
Visitor Codes



App Remote
Unlocking



Bluetooth Keys



Mechanical
Emergency Keys



Easily assign and manage secure access

For family or friends who visit, you don't need to pass keys around or stay until they arrive. With the EZVIZ App, you can create permanent or time-limited access for the ones you trust with custom unlocking methods.



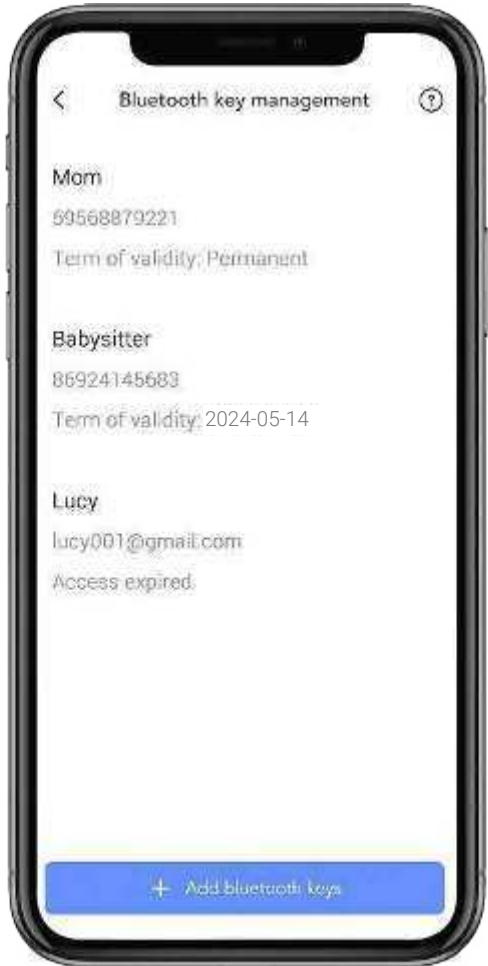
Family members
who visit on holidays



Close friends
who come by often

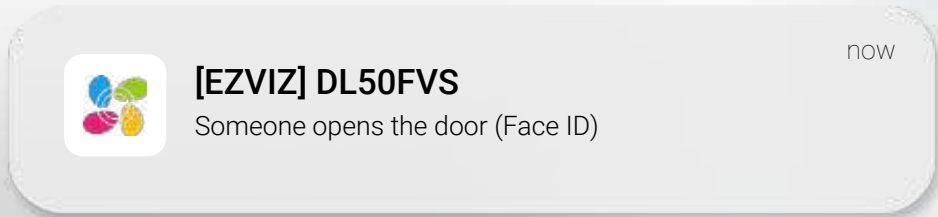


Babysitters or pet walkers
who walk in regularly

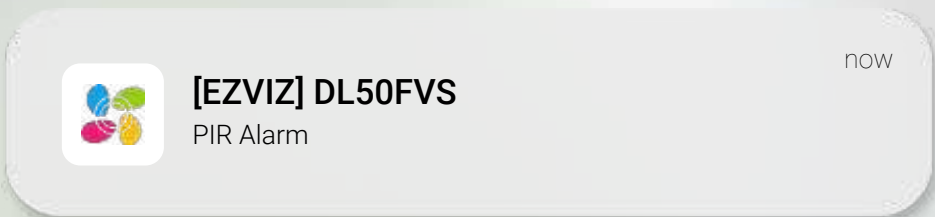


Extra peace of mind, all at your fingertips

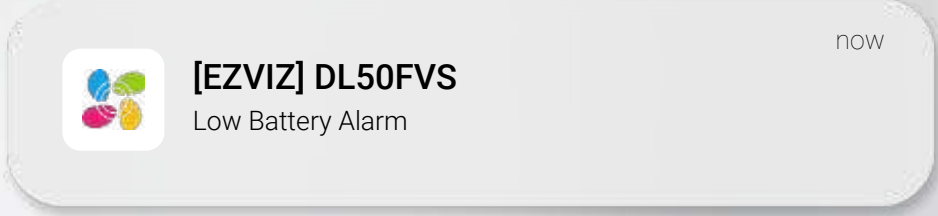
Instant notifications on attempted unlocking



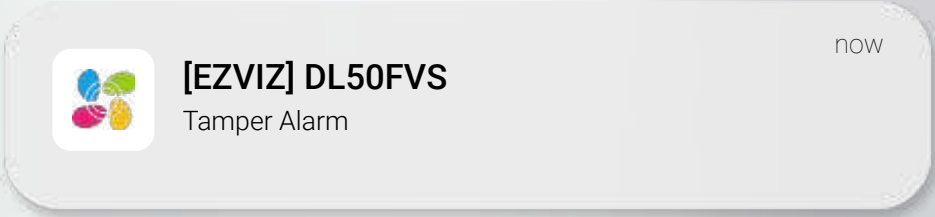
Real-time detection alerts on people who linger



Low-battery warning



Anti-tamper alarm



Lock status & activity log check

* For illustration purposes only.

Reliable power for a busy household

The DL50FVS works on a large built-in 5,000 battery to provide continuous protection to your home, so you only need to recharge it about every four months¹. In the extreme case of dead batteries, you can connect it to a power bank for emergency unlocking.



Emergency Power Supply



We make it as safe as possible, at multiple levels



- 1 Data from EZVIZ Lab's test results under standard conditions, based on the usage of: approximately 10 successful unlocks with face IDs and 150 seconds of video viewing via the EZVIZ App. Actual use may vary due to environmental factors or frequency of opening/closing.
- 2 Data from EZVIZ Lab's testing results based on standard conditions. The actual recognition speed may vary due to environmental factors.
- 3 The DL50FVS does not store the original images of human faces. It only stores the processed images of facial models locally on the device.
- 4 The human presence sensing feature uses the built-in radar sensor and does not involve the detection of human faces. You can choose to activate or deactivate this function on the EZVIZ App.
- 5 "Lock up automatically" refers to either the timed lock function (automatic locking after a preset delay) or locking triggered in conjunction with the T2C (Bluetooth Version) door sensor via Bluetooth.

Specifications

CS-DL50FVS (5085)

Material and Specification

Panel Material	Aluminum alloy
Panel Size	Front Panel: 400 × 72 × 22.5 mm Rear Panel: 400 × 72 × 30.5 mm
Color	Metallic Grey
Lock Body Type	Mechanical Lock Body
Lock Cylinder	C-Level Cylinder
Emergency Charging	Type-C
Working Power	5000mAh Rechargeable Lithium Batteries

Technical Specification

Unlocking Methods	Face ID, Fingerprint, Passcode, Mechanical Key, Bluetooth Key via the EZVIZ App, Temporary Codes, Remote Unlocking
User Capacity	50 pcs
Fingerprint Capacity	50 pcs
Passcode Capacity	50 sets
Face ID	50 pcs
Communication Methods	2.4GHz Wi-Fi, Bluetooth
Screen (Not touchable)	IPS / 4 inch
IP Grade	IP52
Software Function	Anti-peeping code, low battery warning, privacy mode, user management, real time notification, anti-test locking, anti-tamper alarm, remote control, video calling, voice changer, wandering detection
Supported Door Thickness	5085: 30-110 mm
Working Temperature	-10°C~55°C
Operating Humidity	10%~95%

In the box

- Front Panel
- Rear Panel
- Hole Templet
- Lock Body
- Lock Body Screw Bag
- Standard Screw Bag
- Battery
- Key Bag
- Stickers
- Regulatory Information
- Quick Start Guide

Certifications

CE (EMC / LVD / RED / RoHS) / REACH SVHC / WEEE

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