Powered by
EZVIZ AI

EZVIZ *DL50FVS Plus*

Face Recognition & Palm Vein Smart Lock



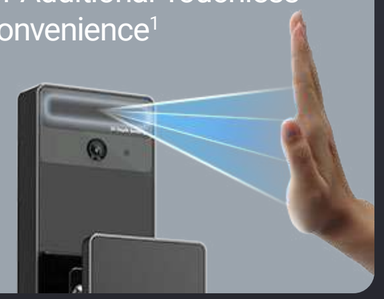
Unlock the AI power of your front door

Powered by EZVIZ Next-Level AI

Secure & Fast Facial Recognition with 3D In-Depth Sensing Technology



Palm Vein Recognition for Additional Touchless Convenience[1]



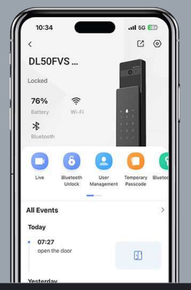
12 nm High Performance AI Chip & Dual-Core CPU



Fully Localized Data Processing & Storage with Your Privacy at First[2]



Remote Unlocking & Status Checking via the EZVIZ App



Built-in Door Viewer with 4-Inch Indoor Smart Screen



Live View with Two-Way Video Call



Wandering Detection with Real-Time Alerts



Runs on Industry-Leading Video Tech

Protects for Utmost Peace of Mind

Safe Design Against Peeping & Forced Entry



Sturdy Lock Body with Anti-Tamper Alarm



Large-Capacity Rechargeable Lithium Battery



Low-Battery Warning

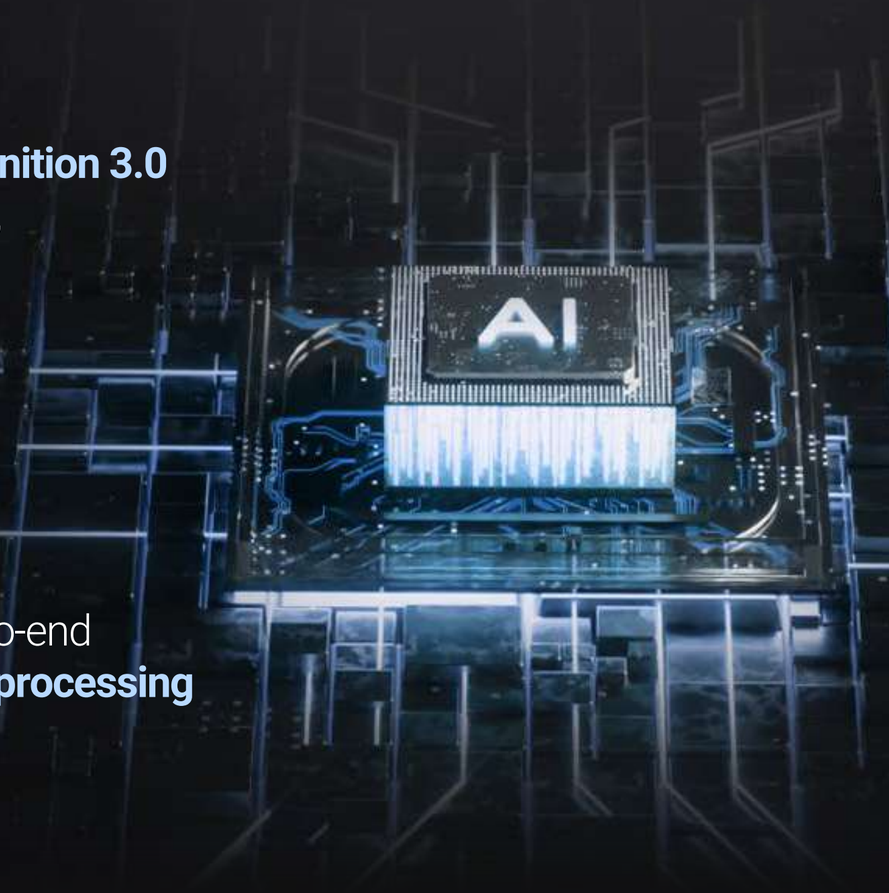


Next-generation AI built for smart locks

Only very few companies in the lock market develops and owns AI technologies, and fewer can bridge them with useful, user-friendly products through extensive real-life testing. EZVIZ is one of them.

Algorithm *that leads*

EZVIZ AI 3D modeling & recognition 3.0 that optimizes speed, accuracy, and adaptability



Hardware *that excels*

Built-in 12 nm high performance AI chip and **dual-core CPU** design that drive unmatched high performance

Security *that endures*

Strict data protection and end-to-end encryption, with **fully localized processing of facial recognition data**

Intelligence *that enhances*

Supports **over-the-air software updates** to your smart lock over time with longer product life cycle

State-of-the-art AI for convenience & security



≤1 second **unlocking time[3]**
for instant response & ultra-smooth experience

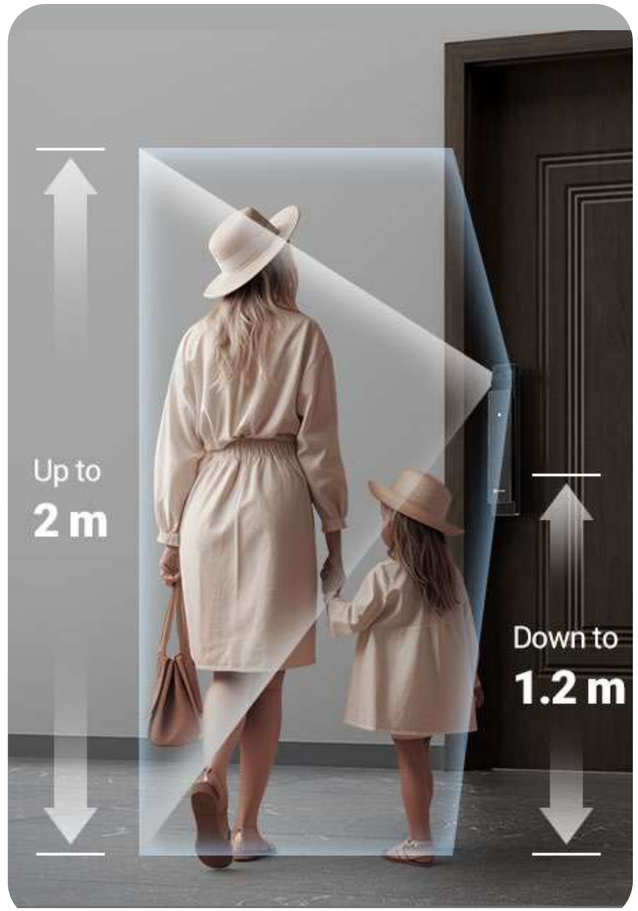
≤0.0001% **false acceptance rate[4]**
to ensure extremely high level of security while being fast in recognition

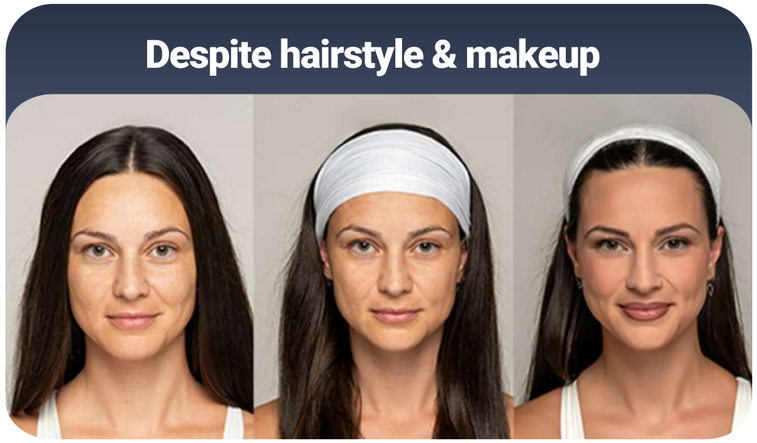
≤0.1% **false rejection rate[5]**
to greatly reduce frustration caused by repetitive verification

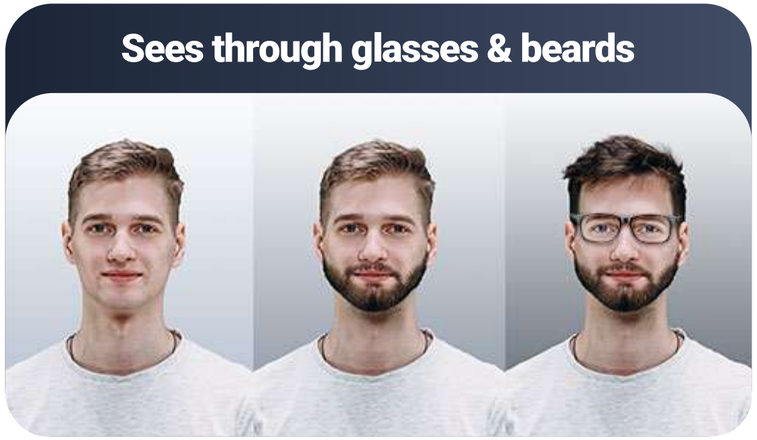
Access granted on approach, only to the right person

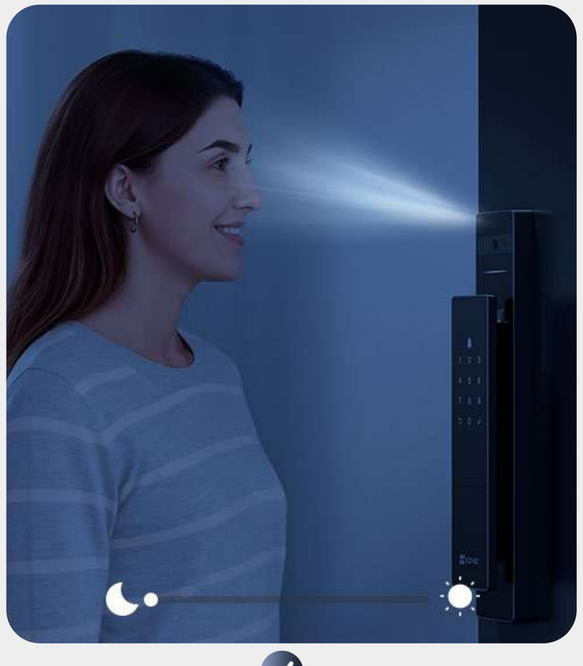
Your face, your key, unlocking made faster and easier

With the DL50FVS Plus, coming home is safe and stress-free. Unlike traditional locks, it recognizes your face instantly as you approach, so there's no need to fumble for keys, remember codes, or wait for the door to respond. Its advanced AI 3D Modeling and Recognition 3.0 works reliably even if your hairstyle, makeup, or accessories change, ensuring fast and secure access every time.









Dim hallway



Bright daytime

Unlocks smoothly, whether in dim or bright light

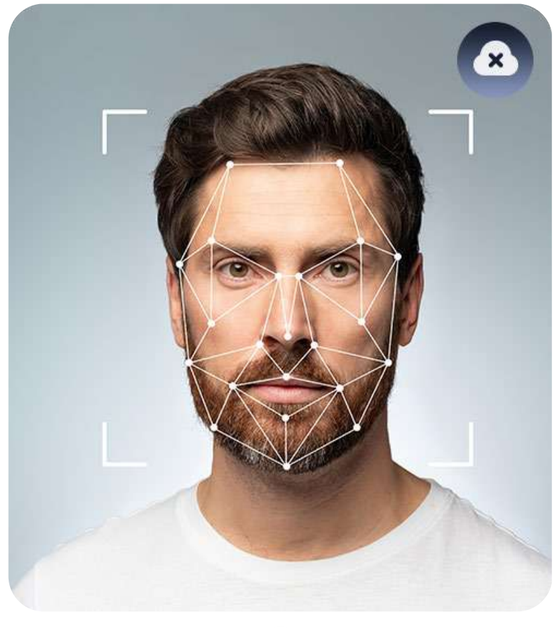
Even with bright sunlight behind you on hot summer days or low light around you at dawn, the DL50FVS Plus sees you clearly. Its advanced 3D in-depth sensing technology adapts to any background lighting, so you can enter home easily.

Unlocks only for you, no fakes, no exceptions

Advanced anti-spoofing technology ensures that photos, videos, or other images cannot trick the lock, while all personal data is securely stored locally, giving you full control and peace of mind.



Can’t be fooled by photos, videos, 3D masks or statues



Localized 3D data processing without real-life user photos stored or transmitted

Easy for kids, secure for adults, unlocking for the family

Wave your hand and go. With highly sensitive palm vein recognition, the DL50FVS Plus unlocks immediately, offering a secure and convenient solution for the whole family, no matter their age.



Less constraints from face coverings



Less restriction on users' height



Less worries on worn fingerprints



More ways to enter for tailored convenience

Your household can be busy with comes and goes, and you may not always be there to welcome the ones you trust.
Choose what's convenient for your family and visitors, while keeping your front door under your watch.

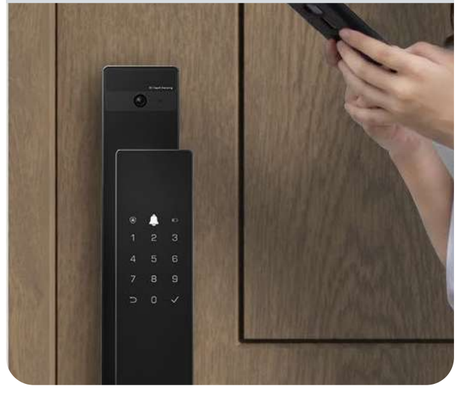
Fingerprints



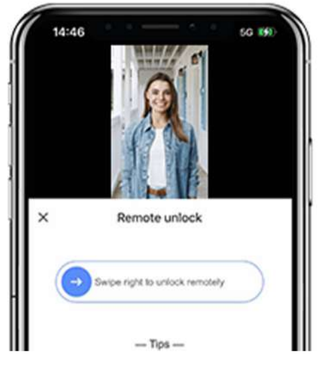
Passcodes



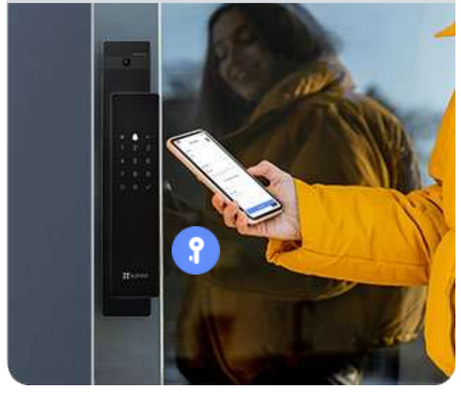
Temporary Visitor Codes



App Remote Unlock



Bluetooth Keys



For regular visitors

Fingerprints · Bluetooth Keys · Passcodes

Visiting Relatives



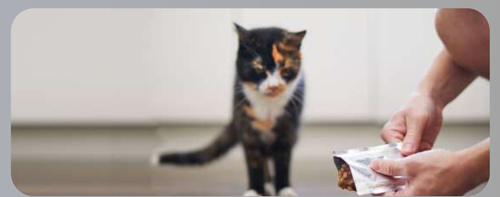
Close Friends



Long-Term Nannies



Pet Walkers



For services & deliveries

Temporary Visitor Codes · App Remote Unlock

Airbnb Guests or Short-Term Renters



Scheduled Housekeepers



Service Technicians



Package or Grocery Delivery

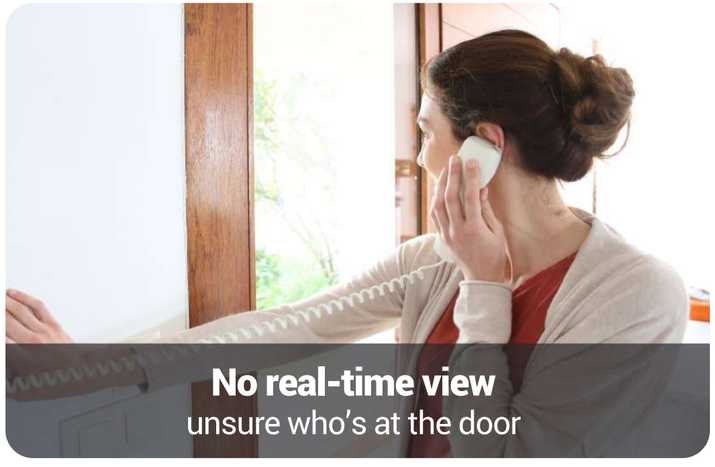


Why you want your lock to be more than a lock

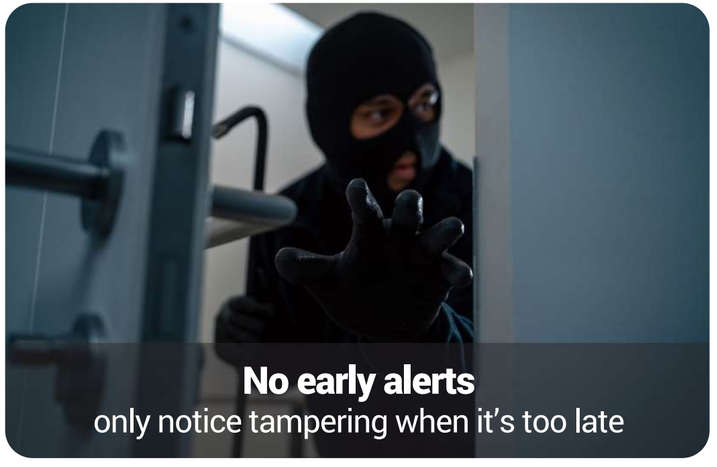
Users expect more from a smart lock because they struggle with some difficult times, which requires flexibility, security, and convenience beyond just opening a door.



Unmonitored door
missed packages & unknown visitors



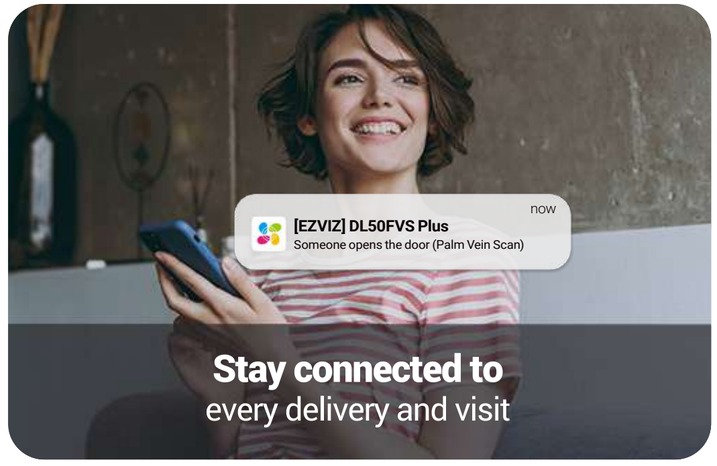
No real-time view
unsure who's at the door



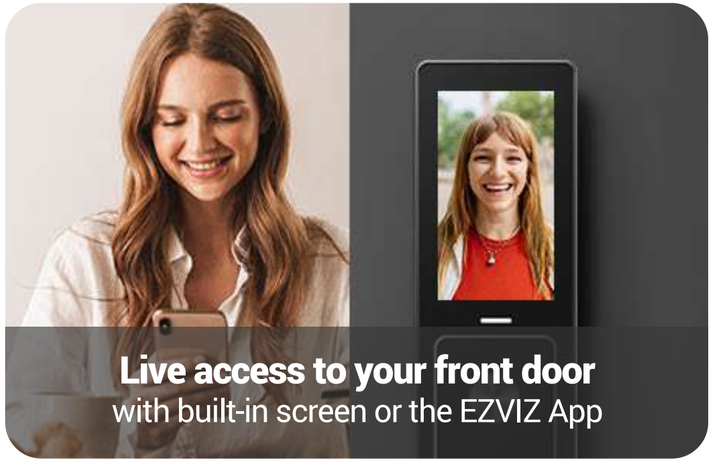
No early alerts
only notice tampering when it's too late

One multi-purpose product offers total peace of mind

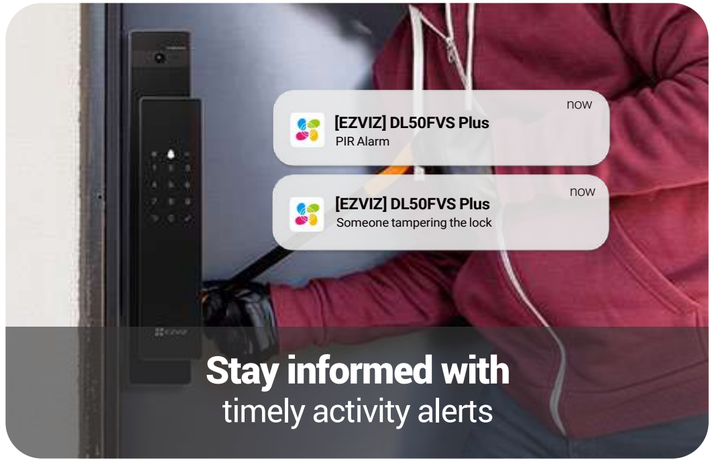
Here's what DL50FVS Plus offers



Stay connected to
every delivery and visit



Live access to your front door
with built-in screen or the EZVIZ App



Stay informed with
timely activity alerts

Much better than your old peephole

See more with a wide-angle view

The smart lock features a built-in camera that delivers a clear, wide-angle view of your doorstep.

Ultra-Wide 132° Field-of-View

Two-Way Talk with Voice Changer





Check visitors with the indoor screen

The indoor screen helps everyone, from kids to grandparents, see who's at the door before unlocking, with no smartphone needed.

Crisp Video Clarity

4-Inch Color Screen

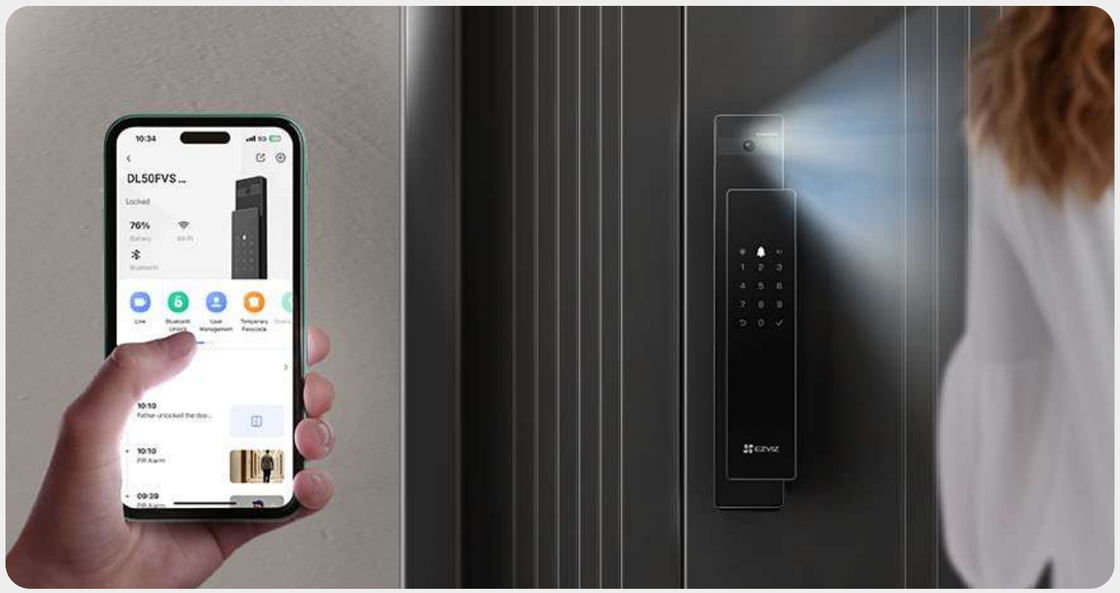
Active and smart as a security guard

Thanks to EZVIZ's smart visual technology, your lock knows when someone's near, or hanging around. It detects human movement by your door and sends instant alerts, keeping you in the know, day and night.

5.8 G Radar Human Presence Sensor[6]

IR Night Vision (up to 2 m)

Detection Video Replay (Built-in 8 GB memory)



Security you can trust in every part



Sets off loud siren when forcibly removed



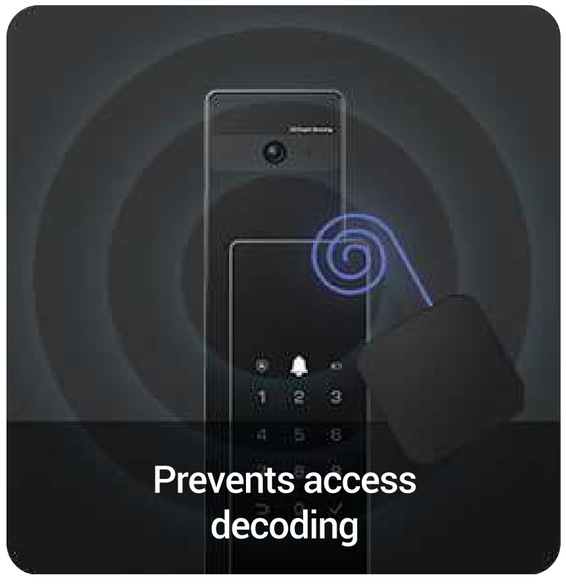
Uses C-grade anti-theft cylinder



Locks up automatically when the door is locked



Auto-locks after 5 successive failed passcode attempts



Prevents access decoding



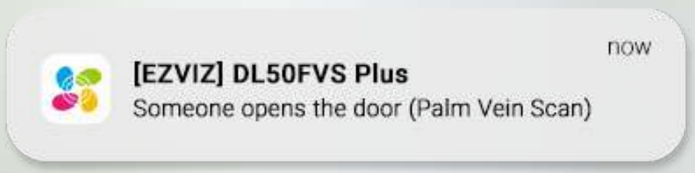
Supports long, anti-peeping codes



Gets notified of low battery on the lock and app

Extra peace of mind, all at your fingertips

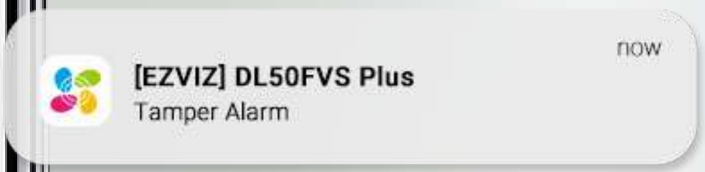
Instant notifications on attempted unlocking



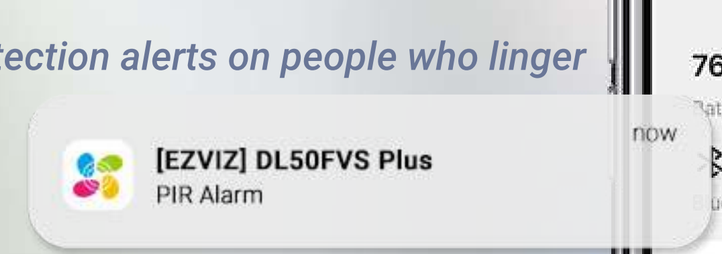
Low-battery warning

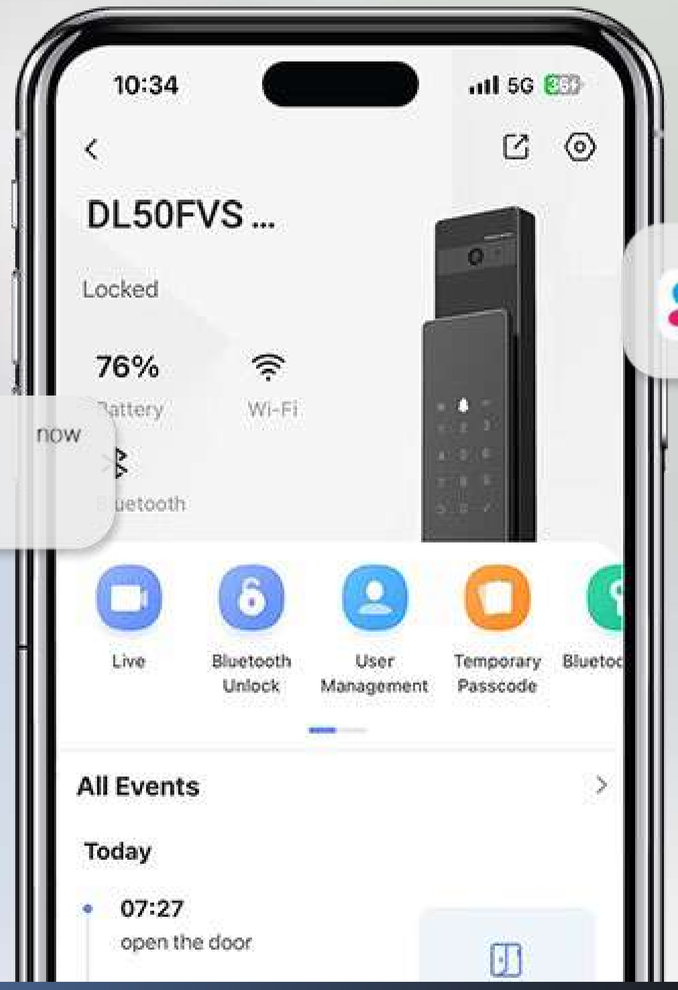


Anti-tamper alarm



Real-time detection alerts on people who linger





Lock status & activity log check

* For illustration purposes only.

Stand strong and protect always

Designed to endure real-world conditions, the smart lock passes rigorous testing for weather resistance, long-term use, and electrical safety, delivering reliable protection you can count on.



96 Hours

Neutral Salt Spray Test

100,000 Times

Full Device Life Cycle Test

15 KV

Air Electrostatic Discharge Test

-10°C ~ 55°C

High and Low Temperature Test

User-friendly design that elegantly fits into every door

Bring elegance and ease into every touch with the DL50FVS Plus. Its gracefully curved, ergonomic handle ensures effortless comfort for every family member, from children to grandparents. With a customizable design that lets you adjust the handle or keypad to either side, you can create a setup that perfectly suits your space and style. Thoughtfully engineered to prevent finger pinching, the DL50FVS Plus combines beauty, safety, and convenience in one seamless experience.







Power that lasts, anytime you need

The DL50FVS Plus features a 5,000 mAh rechargeable battery that keeps your home secure for a long time. If it ever runs low, simply plug in a power bank to unlock and recharge quickly.

4-Month Battery Life[7]

滚滚长江东逝水

We’re committed to protecting with trust

We put security as the primary goal of every product and system that we build,
and assiduously improve our practices to better protect your device, data and privacy.

Learn more about our security practices >



End-to-end Data Encryption

AES

Data Encryption

TLS

Data Transmission Encryption

Our global certifications in the fields of ***information security, privacy information security,*** *and* ***cloud security***

ISO/IEC 27001 · ISO 27017 · ISO 27018 · ISO 29151 · ISO/IEC 27701 · ISO/IEC 20000 · ISO 38505 · ISO 22301 · CSA STAR · SOC

1 Please note that the palm vein scanning area does not include fingers. When using the palm vein unlocking function, please place only the palm part on the scanner. The optimal palm vein scanning distance ranges from 15 cm to 25 cm for adults, with a recommended distance of 10 cm for children. These distances may vary depending on environmental conditions, such as strong sunlight.

2 The biometric recognition technology in DL50FVS Plus operates ENTIRELY LOCALLY on the product that you control and manage yourself, and only serves the sole purpose of supporting your decision of unlocking. During the whole course, the saved data always only contains technical value, i.e. the biometric data obtained from the templates you proactively provided in advance (such as facial images, palm vein templates), which cannot be used to reconstruct your original data.

3 Data from EZVIZ Lab's testing results based on standard conditions. The actual recognition speed may vary due to environmental factors.

4 Data from EZVIZ Lab's testing results based on standard conditions. The actual false acceptance rate may vary due to various objective factors, such as heavy makeup or strong sunlight exposure.

5 Data from EZVIZ Lab's testing results based on standard conditions. The actual false rejection rate may vary due to various objective factors, such as heavy makeup or strong sunlight exposure.

6 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.

7 When being connected via Bluetooth with the Wi-Fi mode disabled, the lock can run up to 4 months with fully charged batteries based on the usage of 10 openings per day. When the lock is connected via Wi-Fi, its battery life may reduce due to internet activities, and the actual use may vary due to the network stability or other environmental factors.

Specifications CS-DL50FVS Plus

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	Automatic mechanical detection lock body 5085 / 6068
Lock Cylinder	C-level cylinder
Emergency Charging	Type-C
Working Power	5,000 mAh rechargeable lithium batteries

Technical Specification

Unlocking Method	Face ID, Palm Vein, Fingerprint, Passcode, Mechanical key, Bluetooth key via EZVIZ App, Temporary codes, Remote unlocking
User Capacity	50 pcs
Face ID Capacity	50 pcs
Palm Vein Capacity	50 pcs
Fingerprint Capacity	50 sets
Passcode Capacity	50 pcs
Communication Methods	2.4 GHz Wi-Fi, Bluetooth
Screen (Non-touch)	IPS 4-inch (480 × 800)
IP Grade	IP52
Front Panel Camera Resolution	1080 × 1656
Front Panel Camera Lens	View angle: 70° (Horizontal), 105° (Vertical), 132°(Diagonal)
IR Night Vision Distance	2 m
Storage	EMMC 8G, Supports EZVIZ CloudPlay storage (Subscription required)
Face Recognition	Standing distance < 1m, height greater than 1.2 m and less than 2 m Recognition speed <1s, supports day / night recognition Supports recognition across varying hairstyle and with glasses * EZVIZ laboratory data
Palm Vein Recognition	Recognition distance between the palm vein and sensor: 15~25 cm Please note that only the palm area can be recognized, the fingers are not within the identification range * EZVIZ laboratory data
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	6068: 40 ~ 120 mm; 5085: 40 ~ 100 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
- Square Rod
- Sticker
- Regulatory Information
- Quick Start Guide

Certifications

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

Specifications are subject to change without notice. " ", " EZVIZ" and other trademarks and logos are the properties of EZVIZ in various jurisdictions.