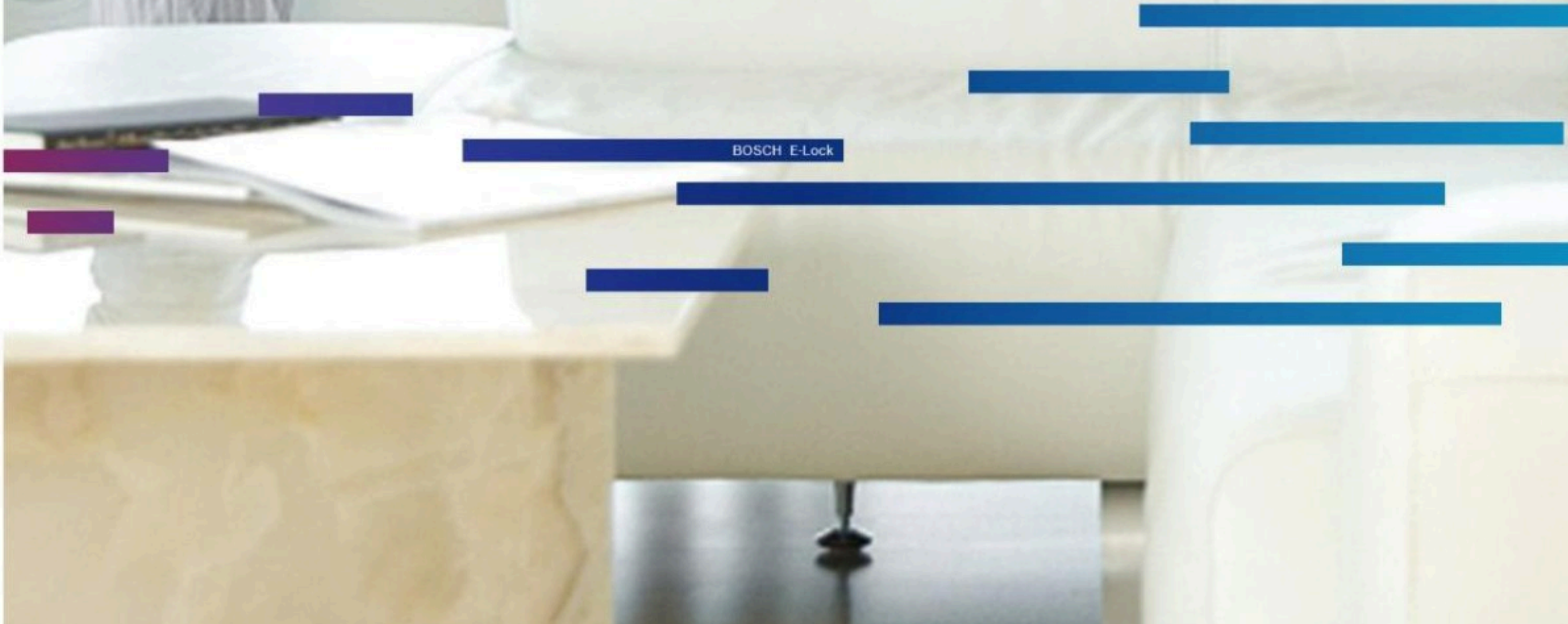




**BOSCH**

# BOSCH SMART LOCK

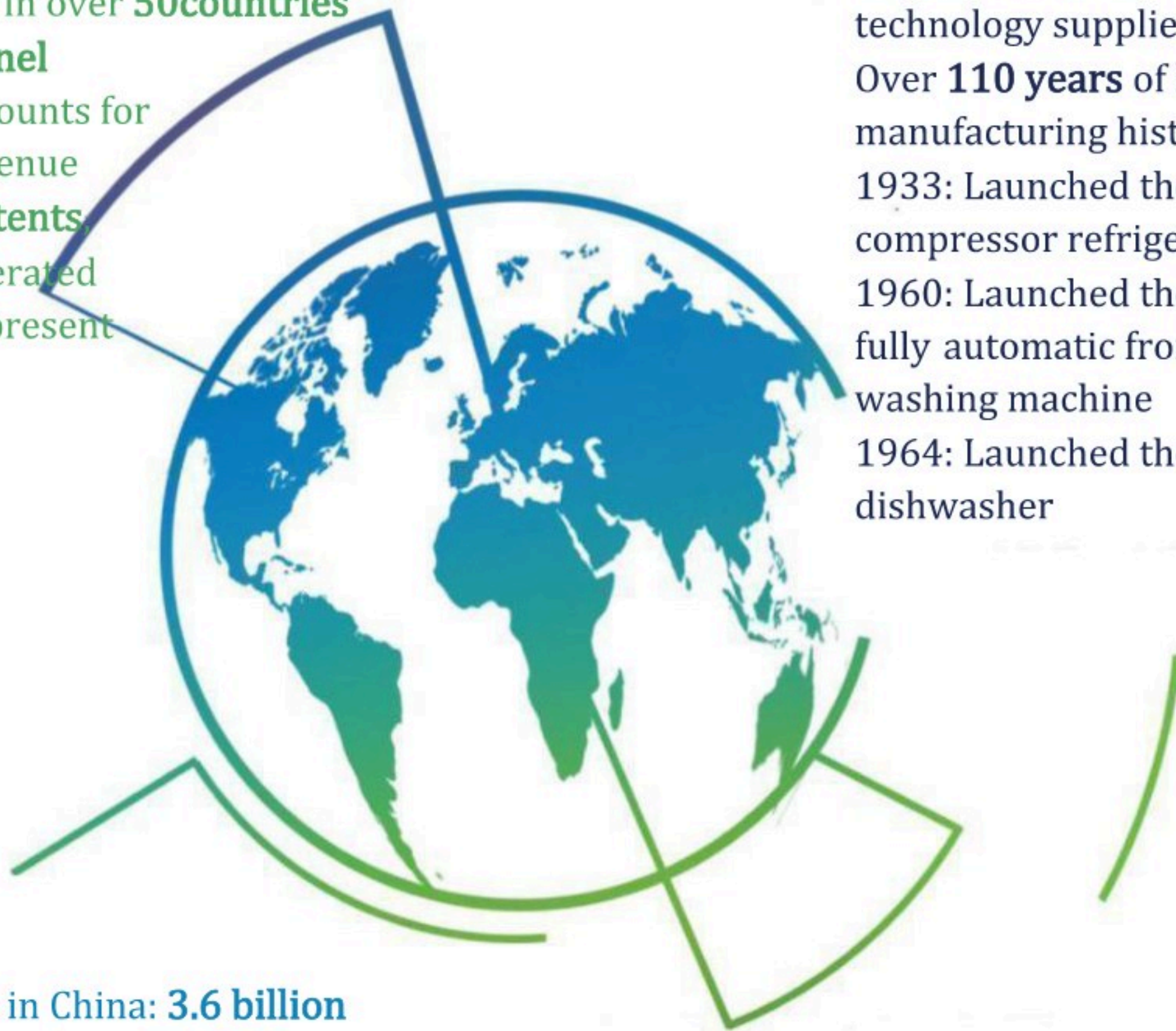


BOSCH E-Lock

## Bosch Group Overview

- Robert Bosch GmbH (BOSCH)
- Founded in 1886
- One of Germany's leading industrial enterprises
- One of the world's market leaders
- One of the world's top 100 innovative institutions

Approximately **420,000** employees  
worldwide Presence in over **50** countries  
**72,600** R&D personnel  
R&D investment accounts for  
over 7% of sales revenue  
A total of **77,000** patents,  
**16** new patents generated  
per working day at present



## World Hidden Champion

World's **No.1** automotive  
technology supplier  
Over **110** years of home appliance  
manufacturing history  
1933: Launched the world's **first**  
compressor refrigerator  
1960: Launched the world's **first**  
fully automatic front-loading  
washing machine  
1964: Launched the world's **first**  
dishwasher

## in China

R&D expenditure in China: **3.6 billion**  
RMB Investment in China: **8.6 billion** RMB  
Approximately **55,000** employees in China

## Fortune Global 500 Enterprise

Ranked **75th** on the Fortune Global 500 list, **58th** on  
the Hurun Global 500 list  
Bosch's total global sales revenue reached **88.4 billion**  
euros  
In China, sales revenue reached approximately **132.3**  
**billion** RMB

# Bosch Smart Lock Production Base

## ■ Scale

Bosch Smart Lock production base is located in Shanghai, covering an area of approximately 10,000 square meters. It integrates design, R&D, logistics and product training into one comprehensive facility. Meanwhile, the Quality Control Center, Software R&D Center and Overseas Business Development Center are respectively set up in the office institutions of Hangzhou, Shanghai and Shenzhen.

## ■ Potential

The annual production capacity reached 250,000 sets of smart locks and related accessories in 2019, and it was projected to achieve an annual production capacity of 1 million sets by 2021.

## ■ Standards

The company adopts advanced production and testing equipment in an all-round way, implements systematic operation and management, and strictly complies with the unified global WTS technical standards of the Bosch Group. Its products always maintain high standards in quality, technological innovation and after-sales service.

## ■ Services

Relying on Bosch' s layout, the company has established Bosch Experience & Service Centers in Beijing, Shanghai, Guangzhou, Shenyang, Wuhan and other cities. It also owns nearly 300 authorized after-sales service outlets nationwide, providing all-round professional services for Bosch customers.





**BOSCH**

## SMART LOCK

### EL SERIES

EL400VF

EL600VF

EL800VF

### ID SERIES

ID20

ID30

ID60C

### FU SERIES

FU6PLUS

FU8

FU8PLUS

FU20PLUS

FU20PRO

FU30PLUS

### T SERIES

T15

T15PLUS



## EL400VF

### Fully Automatic 3D Face Recognition Video Lock

#### Main Functional Configurations:

**Unlocking Methods:** Facial recognition / Fingerprint / Password / Card / Mechanical Key / Remote Network Connection

High-sensitivity touch keypad with 16-digit anti-peep passcode

3D Face Recognition Algorithm

Semiconductor Fingerprint Sensor

Video Intercom (Visual Two-way Communication)

Type-C Emergency Power Supply

Voice Navigation, Menu-based Operation

Panel Anti-pry Alarm

Fully Automatic Lock Body

Low Battery Alert

Motion Detection

Built-in Doorbell

External Lock Dimensions: 396.5(L) X 82.5 (W) X 63 (D) mm

Internal Lock Dimensions: 396.5(L) X 83.5 (W) X 59.5 (D) mm



Optional Color: ● Black ● Gray

### Technical Specifications

Front Panel Material: Aluminum Alloy	Face Recognition: Supported	Camera Image Pixels: 1MP (100W)
Rear Panel Material: Aluminum Alloy	Display Screen Resolution: 480×800	Display Screen: IPS 3.97 inches
Surface Treatment: Spray Paint / Glass	Camera Resolution: 1280×720	Deadbolt Material: Stainless Steel
Camera View Angle: 120° Wide Angle	Lock Body: Mechatronic Fully Automatic Flip Bolt Lock Body	
Fingerprint Sensor Type: Semiconductor Fingerprint Sensor	Supported Height Range for Face Recognition: 120-190 cm	
Number of Buttons: 12 Touch Buttons + 1 Doorbell Button	Video Intercom: Supports Real-time Two-way Video Intercom	
Optimal Face Recognition Distance: 40-90 cm	Low Battery Alarm: Triggers when battery voltage <7.2V	
Human Body Detection: Supported (Radar-based)	System Power Supply: 4200mAh Lithium Battery	
Face Recognition Speed: <1s (from activation to recognition)	Static Lateral Load of Flip Bolt: 6000N	
Face Recognition False Acceptance Rate (FAR): <0.0001% (1 PPM)	Tiandi Hook: Optional (Fixed Tiandi Hook)	
Face Recognition False Rejection Rate (FRR): <1%	Operating Humidity: 25%RH-93%RH (No Condensation)	
Static Lateral Load of Main Bolt: 8000N (exceeds GA 374-2019 Level B requirement of 6000N)		
Static Axial Load of Main Bolt: 6000N (exceeds GA 374-2019 Level B requirement of 3000N)		
Total Users: 400 (5 admins, 395 general users; max 100 facial/100 fingerprint/100 password/100 card)		
Corrosion Resistance: Passed 72-hour Neutral Salt Spray Test    Operating Temperature: -25°C to 70°C (No Condensation)		
Executive Standard: GA 374-2019 Electronic Anti-theft Lock (Security Level B, Environmental Level II)		

## EL600VF

### Fully Automatic 3D Face Recognition Video Lock

#### Main Functional Configurations:

**Unlocking Methods:** Facial recognition / Fingerprint / Password / Card / Mechanical Key / Remote Network Connection

High-sensitivity touch keypad with 16-digit anti-peep passcode

3D Face Recognition Algorithm

Semiconductor Fingerprint Sensor

Video Intercom (Visual Two-way Communication)

Type-C Emergency Power Supply

Voice Navigation, Menu-based Operation

Panel Anti-pry Alarm

Fully Automatic Lock Body

Low Battery Alert

Motion Detection

Built-in Doorbell

External Lock Dimensions: 395.5 (L) X 77.5 (W) X 71.5 (D) mm

Internal Lock Dimensions: 395 (L) X 77 (W) X 71.5 (D) mm



Optional Color: ● Black ● Gray

## Technical Specifications

Front Panel Material: Aluminum Alloy	Fingerprint False Acceptance Rate: <0.001%	Face Recognition: Supported
Rear Panel Material: Aluminum Alloy	Fingerprint Matching Method: 1:N	Fingerprint Matching Time: ≤0.8s
Surface Treatment: Spray Paint / Glass	Fingerprint False Rejection Rate: <0.1%	Display Screen: IPS 3.97 inches
Fingerprint Sensor Type: Semiconductor Fingerprint Sensor	Face Recognition Distance: 0.4m~1m, ~0.5m optimal	
Number of Buttons: 12 Touch Buttons + 1 Doorbell Button	Face Recognition Speed: 0.5s (Hot Start) / 1.5s (Cold Start)	
Supported Height Range for Face Recognition: 131-206cm	Tiandi Hook: Optional (Fixed Tiandi Hook)	
Lock Body: Mechatronic Fully Automatic Flip Bolt Lock Body	Camera Image Pixels: 1080P (2MP)	
Video Intercom Network: Tuya T31 Smart Video Lock	Corrosion Resistance: Passed 72-hour Neutral Salt Spray Test	
Operating Temperature: -25°C to 70°C (No Condensation)	Display Screen Resolution: 480×800	
Operating Humidity: 25%RH-93%RH (No Condensation)	Camera View Angle: 160° Wide Angle	
3D Face Recognition: Supported	Optimal Face Recognition Distance: 40-110cm	Static Lateral Load of Flip Bolt: 6000N
Video Intercom: Supports Real-time Two-way Video Intercom	System Power Supply: 5000mAh Lithium Battery	
Human Body Detection: Supported (Radar-based)	Low Battery Alarm: Triggers when battery voltage <7.2V	
Total Users: 400 (5 admins, 395 general users; max 100 facial/100 fingerprint/100 password/100 card)		
Static Lateral Load of Main Bolt: 8000N (exceeds GA 374-2019 Level B requirement of 6000N)		
Executive Standard: GA 374-2019 Electronic Anti-theft Lock (Security Level B, Environmental Level II)		

## EL800VF

### Fully Automatic 3D Face Recognition Video Lock

#### Main Functional Configurations:

**Unlocking Methods:** Facial recognition / Fingerprint / Password / Card / Mechanical Key / Remote Network Connection

High-sensitivity touch keypad with 16-digit anti-peep passcode

3D Face Recognition Algorithm

Semiconductor Fingerprint Sensor

Video Intercom (Visual Two-way Communication)

Type-C Emergency Power Supply

Voice Navigation, Menu-based Operation

Panel Anti-pry Alarm

Fully Automatic Lock Body

Low Battery Alert

Motion Detection

Built-in Doorbell

External Lock Dimensions: 412 (L) X 83.5 (W) X 78 (D) mm

Internal Lock Dimensions: 411 (L) X 81.5 (W) X 73 (D) mm



Optional Color: ● Black ● Gray

## Technical Specifications

Front Panel Material: Aluminum Alloy	Fingerprint False Acceptance Rate: <0.001%	Face Recognition: Supported
Rear Panel Material: Aluminum Alloy	Fingerprint Matching Method: 1:N	Fingerprint Matching Time: ≤0.8s
Surface Treatment: CNC Anodizing / Glass	Fingerprint False Rejection Rate: <0.1%	Display Screen: IPS 3.97 inches
Fingerprint Sensor Type: Semiconductor Fingerprint Sensor	Face Recognition Distance: 0.4m~1m, ~0.5m optimal	
Number of Buttons: 12 Touch Buttons + 1 Doorbell Button	Face Recognition Speed: 0.5s (Hot Start) / 1.5s (Cold Start)	
Supported Height Range for Face Recognition: 131-206cm	Tiandi Hook: Optional (Fixed Tiandi Hook)	
Lock Body: Mechatronic Fully Automatic Flip Bolt Lock Body	Camera Image Pixels: 1080P (2MP)	
Video Intercom Network: Tuya T31 Smart Video Lock	Corrosion Resistance: Passed 72-hour Neutral Salt Spray Test	
Operating Temperature: -25°C to 70°C (No Condensation)	Display Screen Resolution: 480×800	
Operating Humidity: 25%RH-93%RH (No Condensation)	Camera View Angle: 160° Wide Angle	
3D Face Recognition: Supported	Optimal Face Recognition Distance: 40-110cm	Static Lateral Load of Flip Bolt: 6000N
Video Intercom: Supports Real-time Two-way Video Intercom	System Power Supply: 5000mAh Lithium Battery	
Human Body Detection: Supported (Radar-based)	Low Battery Alarm: Triggers when battery voltage <7.2V	
Total Users: 400 (5 admins, 395 general users; max 100 facial/100 fingerprint/100 password/100 card)		
Static Lateral Load of Main Bolt: 8000N (exceeds GA 374-2019 Level B requirement of 6000N)		
Executive Standard: GA 374-2019 Electronic Anti-theft Lock (Security Level B, Environmental Level II)		

## ID20 Flat-Panel Smart Lock

### Main Functional Configurations:

#### Unlocking Methods:

Fingerprint / Password / Card / Mechanical Key / Remote Networking (Optional)

High-sensitivity touch buttons

Semiconductor fingerprint sensor

Type-C emergency power supply

Voice navigation and menu-style operation

Panel anti-pry alarm

Low battery warning

Classic One-Grip Unlock

Safety floating handle



External Lock Dimensions: 360(L) X72 (W) X70 (D) mm

Internal Lock Dimensions: 360(L) X72 (W) X70 (D) mm

Optional Color:  Black

### Technical Specifications

Front Panel Material: DC03 Low Carbon Steel	False Rejection Rate (FRR): <3.0% (at Level 3)
Rear Panel Material: DC03 Low Carbon Steel	False Acceptance Rate (FAR): <0.001% (at Level 3)
Surface Treatment: Spray Molding/IML	Fingerprint Matching Mode: 1:1
Fingerprint Sensor Type: Semiconductor Fingerprint Sensor	Sensor Resolution: 508 dpi
Number of Buttons: 12 Touch Buttons + 1 Doorbell Button	Fingerprint Acquisition Time: <250ms
Number of Fingerprints Storable: 50	False Password Function: Yes
Emergency Mechanical Lock: Yes, with Grade C Key Cylinder	Lock Body Specification: 6068 Lock Body
Number of Passwords Storable: 100 Sets	Emergency Power Supply Type: Type-C
Number of IC Cards Storable: 100 Cards	Deadbolt: 304 Stainless Steel
System Power Supply: 4 x 1.5V Batteries	Tiandi Hook: Yes      Restart Function: Yes
Low Battery Alarm: Alarm prompt when battery voltage is below 4.8V	
Operating Ambient Temperature: -25 ~ 55, No Condensation      Restart Function: Yes	
Operating Humidity: 25%RH ~ 93%RH, No Condensation	
Executive Standard: GA 374-2019 Electronic Anti-theft Lock (Security Level B, Environment Level II)	

## ID30 Flat-Panel Smart Lock

### Main Functional Configurations:

#### Unlocking Methods:

Fingerprint / Password / Card / Mechanical Key / Remote Networking (Optional)

High-sensitivity touch buttons, Anti-Peep Passcode

Semiconductor fingerprint sensor

Type-C emergency power supply

Voice navigation and menu-style operation

Panel anti-pry alarm

Low battery warning

Triple-protection electronic lock body

Classic One-Grip Unlock

Safety floating handle



External Lock Dimensions: 351(L) X 71.5 (W) X 70 (D) mm

Internal Lock Dimensions: 354(L) X 74 (W) X 70 (D) mm

Optional Color: ● Black ● Gray ● Gold

### Technical Specifications

Front Panel Material: Aluminum Alloy	False Rejection Rate (FRR): <1.0% (Level 3)
Rear Panel Material: Aluminum Alloy	False Acceptance Rate (FAR): <0.001% (Level 3)
Surface Finish: Paint/IML	Fingerprint Matching: 1:N
Fingerprint Sensor Type: Semiconductor	Sensor Resolution: 508dpi
Touch Keys: 12	Fingerprint Recognition Time: <0.8 seconds
Fingerprint Capacity: 100	Anti-Cat Eye Prying: Yes
Password Capacity: 100	Emergency Power: Type-C port
IC Card Capacity: 100	Lock Bolt: 304 Stainless Steel
Forced Locking: Yes	Anti-Hook Design: Yes
Reboot Function: Yes	Lock Body: 6068 Standard
Password Length: 6 digits	Emergency Mechanical Lock: C-grade lock core
Random Code Protection: Yes (32 digits)	Temperature Range: -25°C to 55°C (no condensation)
Power Supply: 4x1.5V AA batteries	Humidity Range: 25%RH-93%RH (no condensation)
Low Voltage Alarm: Triggers below 4.8V	

## ID60C Flat-Panel Smart Lock

### Main Functional Configurations:

#### Unlocking Methods:

Fingerprint / Password / Card / Mechanical Key / Remote Networking (Optional)

High-sensitivity touch buttons, Anti-peep Passcode

Semiconductor fingerprint sensor

Type-C emergency power supply

Voice navigation and menu-style operation

Triple-protection electronic lock body

Panel anti-pry alarm

Low battery warning

Classic One-Grip Unlock

Safety floating handle



External Lock Dimensions: 374(L) X74 (W) X75 (D) mm

Internal Lock Dimensions: 381(L) X80 (W) X74 (D) mm

Optional Color: ● Black

### Technical Specifications

Front Panel Material: Aluminum Alloy	Password Capacity: 100 Sets	IC Card Capacity: 100 Cards
Rear Panel Material: Aluminum Alloy	Forced Locking Function: Yes	Reboot Function: Yes
Surface Treatment: Paint/IML	Password Length: 6 digits	Tiandi Hook: Yes
Number of Buttons: 12 Touch Buttons	Random Code Protection: Yes (32 digits)	
Fingerprint Capacity: 100	Fingerprint Recognition Time: <0.8 seconds	
System Power Supply: 4 x 1.5V Batteries	Fingerprint Sensor Type: Semiconductor Fingerprint Sensor	
Fingerprint Matching Mode: 1:N	False Acceptance Rate (FAR): <0.001% (at Level 3)	
Sensor Resolution: 508 dpi	Emergency Power Supply Type: Type-C	
Lock Bolt: 304 Stainless Steel	False Rejection Rate (FRR): <1.0% (at Level 3)	
Lock Body Specification: 6068 Lock Body	Emergency Mechanical Lock: Yes, with Grade C Key Cylinder	
Low Battery Alarm: Alarm prompt when battery voltage is below 4.8V		
Operating Ambient Temperature: -25°C to 55°C, No Condensation		
Operating Humidity: 25%RH –93%RH, No Condensation		
Executive Standard: GA 374-2019 Electronic Anti-theft Lock (Security Level B, Environment Level II)		

## FU6 Plus

### 3D Face Recognition Large Screen Video Lock

#### Main Functional Configurations:

**Unlocking Methods:** Facial recognition / Fingerprint / Password / Card / Mechanical Key / Remote Network Connection

High-sensitivity touch keypad with 16-digit anti-peep passcode

3D Face Recognition Algorithm

Semiconductor Fingerprint Sensor

Video Intercom(Visual Two-way Communication)

Type-C Emergency Power Supply

Voice Navigation, Menu-based Operation

Panel Anti-pry Alarm

Low Battery Alert

Motion Detection

Built-in Doorbell

External Lock Dimensions: 430(L) X87 (W) X65.5 (D) mm

Internal Lock Dimensions: 430(L) X87 (W) X76.5 (D) mm



Optional Color:  Black  Red Bronze

### Technical Specifications

Front Panel Material: Aluminum Alloy	Supported Height Range for Face Recognition: 120-190 cm
Rear Panel Material: Aluminum Alloy	Lock Body: Smart Quick-silent Lock Body; Supports fake hook
Surface Treatment: Spray Paint / IML	Optimal Face Recognition Distance: 40-90 cm
Fingerprint Sensor Type: Semiconductor Fingerprint Sensor	Fingerprint Matching Time: ≤0.8s
Face Recognition Speed: <1s (from activation to recognition)	Fingerprint False Acceptance Rate: <0.001%
Number of Buttons: 12 Touch Buttons + 1 Lock Button	Face Recognition False Rejection Rate: <1%
Face Recognition False Acceptance Rate: <0.0001% (1 PPM)	Face Recognition: Supported
Total User Capacity: 200 users (max 100 facial/100 fingerprint)	Fingerprint False Rejection Rate: <0.1%
Deadbolt Material: Stainless Steel	Corrosion Resistance: Passed 72-hour neutral salt spray test
Camera Resolution: 1280×720	Operating Temperature: -25°C to 70°C (No Condensation)
Camera View Angle: 120° Wide Angle	Operating Humidity: 25%RH-93%RH (No Condensation)
Display Screen: IPS 4.45 inches; Resolution: 480×800	Human Body Detection: Supported (Radar-based)
Video Intercom: Supports Real-time Two-way Video Intercom	
Low Battery Alarm: Triggers when battery voltage <7.2V	
System Power Supply: 4200mAh + 2250mAh Lithium Battery	
Executive Standard: GA 374-2019 (Security Level B, Environmental Level II)	

## FU8

### 3D Face Recognition Large Screen Video Lock

#### Main Functional Configurations:

Unlocking Methods: Facial recognition / Fingerprint / Password / Card / Mechanical Key / Remote Network Connection

High-sensitivity touch keypad with 16-digit anti-peep passcode

3D Face Recognition Algorithm

Palm Vein Recognition

Semiconductor Fingerprint Sensor

Video Intercom(Visual Two-way Communication)

Type-C Emergency Power Supply

Voice Navigation, Menu-based Operation

Panel Anti-pry Alarm

Low Battery Alert

Motion Detection

Built-in Doorbell

External Lock Dimensions: 430(L) X87 (W) X65.5 (D) mm

Internal Lock Dimensions: 430(L) X87 (W) X76.5 (D) mm



Optional Color: ● Black

### Technical Specifications

Front Panel Material: Aluminum Alloy	Number of Buttons: 12 Touch Buttons + 1 Lock + 1 Doorbell
Rear Panel Material: Aluminum Alloy	Face Recognition Speed: <1s (from activation to recognition)
Surface Treatment: Spray Molding/IML	Face Recognition False Acceptance Rate: <0.0001% (1 PPM)
Fingerprint Sensor Type: Semiconductor Fingerprint Sensor	Face Recognition False Rejection Rate: <1%
Fingerprint Matching Time: ≤0.8s	Face Recognition: 40-90 cm distance; 120-190 cm height
Fingerprint False Rejection Rate: <0.1%	Human Body Detection: Supported (Radar-based)
Fingerprint False Acceptance Rate: <0.001%	Operating Temperature: -25°C to 70°C (No Condensation)
Palm Vein False Acceptance Rate: <0.001%	Operating Humidity: 25%RH-93%RH (No Condensation)
Palm Vein False Rejection Rate: <1%	Video Intercom: Supports Real-time Two-way Video Intercom
Palm Vein Recognition: 13-25 cm distance	System Power Supply: 5000mAh Lithium Battery
Camera Image Pixels: 1MP (100W)	Low Battery Alarm: Triggers when battery voltage <7.2V
Camera Resolution: 1280×720	Display Screen: IPS 4.45 inches; Resolution: 480×800
Camera View Angle: 120° Wide Angle	Lock Body: Smart Quick-silent Lock Body
Corrosion Resistance: Passed 72-hour neutral salt spray test	Deadbolt Material: Stainless Steel
Total User Capacity: 200 users (max 100 facial/palm vein, 100 fingerprint)	Tiandi Hook: Available
Executive Standard: GA 374-2019 (Security Level B, Environmental Level II)	

## FU8 Plus

### 3D Face Recognition Large Screen Video Lock

#### Main Functional Configurations:

Unlocking Methods: Facial recognition / Fingerprint / Password / Card / Mechanical Key / Remote Network Connection

High-sensitivity touch keypad with 16-digit anti-peep passcode

3D Face Recognition Algorithm

Palm Vein Recognition

Semiconductor Fingerprint Sensor

Video Intercom(Visual Two-way Communication)

Type-C Emergency Power Supply

Voice Navigation, Menu-based Operation

Panel Anti-pry Alarm

Low Battery Alert

Motion Detection

Built-in Doorbell

External Lock Dimensions: 430(L) X87 (W) X65.5 (D) mm

Internal Lock Dimensions: 430(L) X87 (W) X76.5 (D) mm



Optional Color:  Black  Red Bronze

### Technical Specifications

Front Panel Material: Aluminum Alloy	Number of Buttons: 12 Touch Buttons + 1 Lock + 1 Doorbell
Rear Panel Material: Aluminum Alloy	Face Recognition Speed: <1s (from activation to recognition)
Surface Treatment: Spray Paint / IML	Face Recognition False Acceptance Rate: <0.0001% (1 PPM)
Fingerprint Sensor Type: Semiconductor Fingerprint Sensor	Face Recognition False Rejection Rate: <1%
Fingerprint Matching Time: ≤0.8s	Face Recognition: 40-90 cm distance; 130-200 cm height
Fingerprint False Rejection Rate: <0.1%	Human Body Detection: Supported (Radar-based)
Fingerprint False Acceptance Rate: <0.001%	Operating Temperature: -25°C to 70°C (No Condensation)
Palm Vein False Acceptance Rate: <0.001%	Operating Humidity: 25%RH-93%RH (No Condensation)
Palm Vein False Rejection Rate: <1%	Video Intercom: Supports Real-time Two-way Video Intercom
Palm Vein Recognition: 13-25 cm distance	System Power Supply: 5000mAh+2250mAh Lithium Battery
Camera Image Pixels: 2MP (200W)	Low Battery Alarm: Triggers when battery voltage <7.2V
Camera Resolution: 1920×1080	Display Screen: IPS 5 inches; Resolution: 480RGB × 854
Camera View Angle: 160° Wide Angle	Lock Body: Smart Quick-silent Lock Body
Corrosion Resistance: Passed 72-hour neutral salt spray test	Deadbolt Material: Stainless Steel
Total User Capacity: 200 users (max 100 facial/palm vein, 100 fingerprint)	Tiandi Hook: Available
Executive Standard: GA 374-2019 (Security Level B, Environmental Level II)	

## FU20 Plus

3D Face Recognition Large Screen Video Lock

### Main Functional Configurations:

Unlocking Methods: Facial recognition / Fingerprint / Password / Card / Mechanical Key / Remote Network Connection

High-sensitivity touch buttons, Anti-Peep Passcode

New Generation AI Face Recognition Algorithm

Semiconductor Fingerprint Sensor

200W Video Intercom

Type-C Emergency Power Supply

Voice Navigation, Menu-based Operation

Panel Anti-pry Alarm

Motion Detection

Low Battery Warning

Independent Doorbell

External Lock Dimensions: 417(L) X75 (W) X60.5 (D) mm

Internal Lock Dimensions: 415(L) X75 (W) X68.5 (D) mm



Optional Color: ● Black

### Technical Specifications

Front Panel Material: Aluminum Alloy	Number of Buttons: 12 touch buttons + 1 lock + 1 doorbell
Rear Panel Material: Aluminum Alloy	User Capacity: 200 users (max 100 facial/100 fingerprint)
Surface Treatment: Spray Paint / Glass	Fingerprint Sensor Type: Semiconductor Fingerprint Sensor
Fingerprint Matching Time: <0.8s	Hook Type: Fake hook (for Top and Bottom Latch)
Lock Body: Mechanical Lock Body	Camera View Angle: Vertical 80° / Horizontal 63°
Deadbolt Material: Stainless Steel	Facial Recognition: 50-70 cm distance; 120-220 cm height
Display Screen: 4.45 inches; Resolution: 480P RGB*854	Fingerprint Rejection Rate: <3%
Video Intercom: Real-time two-way video; Wi-Fi 2.4G	Fingerprint False Acceptance Rate: <0.001%
Human Body Detection: Radar-based detection	System Power Supply: 4200mAh lithium battery
Low Battery Alarm: Triggers when battery voltage <7.2V	Camera Pixel: 2.0MP
Facial Recognition Speed: <1.3s (from activation to recognition)	
Facial Recognition Accuracy: <98% (per million samples)	
Corrosion Resistance: Passed 72-hour neutral salt spray test	
Liveness Detection Accuracy: <98.5% (per hundred thousand samples)	
Temperature Range: -25°C to 70°C, no condensation	Operating Humidity: 25%RH-93%RH, no condensation
Compliance Standard: GA 374-2019 Electronic Anti-theft Lock (Security Level B, Environmental Level II)	

## FU20 PRO

3D Face Recognition Large Screen Video Lock

### Main Functional Configurations:

**Unlocking Methods:** Facial recognition / Palm Vein Recognition / Fingerprint  
/ Password / Card / Mechanical Key / Remote Network Connection

High-sensitivity touch keypad, Anti-Peep Passcode

Face recognition technology

Palm vein recognition technology

Semiconductor fingerprint sensor

3MP starlight night vision, video intercom

Type-C emergency power supply

Voice navigation, menu-based operation

Panel anti-tamper alarm

Motion detection

Independent doorbell

External Lock Dimensions: 417(L) X75 (W) X60.5 (D) mm

Internal Lock Dimensions: 415(L) X75 (W) X68.5 (D) mm

Optional Color: ● Black



### Technical Specifications

Front Panel Material: Aluminum Alloy	Maximum Users: 200 (max 100 facial/palm vein, 100 fingerprint)
Rear Panel Material: Aluminum Alloy	Display Screen: IPS 4.45-inch; Resolution 480x854
Surface Treatment: Spray paint / Glass	Fingerprint Sensor: Semiconductor fingerprint sensor
Keypad: 12 touch keys + 1 lock + 1 doorbell	Low Battery Alert: Triggers when voltage <7.2V
Human Body Detection: Radar-based detection	Operating Temperature: -25°C to 70°C (no condensation)
Power Supply: 5000mAh lithium battery	Operating Humidity: 25%RH to 93%RH (no condensation)
Video Intercom: Real-time two-way video intercom	Deadbolt: Stainless steel material
Lock Body: Smart quick-silent lock body; Supports fake hook	
Corrosion Resistance: Passed 72-hour neutral salt spray test	
Palm Vein Recognition: Optimal distance 8-25 cm; FAR<0.001%; FRR<1%	
Facial Recognition: Optimal distance 50-60 cm; Height 120-220 cm; Speed<1s; FAR<0.0001%; FRR<1%	
Camera: 3.0MP; Resolution 1280x720; View angle Vertical 174°/Horizontal 87°	
Compliance Standard: GA 374-2019 Electronic Anti-theft Lock (Security Level B, Environmental Level II)	

## FU30 Plus

### 3D AI Face Recognition Large Screen Video Lock

#### Main Functional Configurations:

**Unlocking Methods:** Facial recognition / Fingerprint / Password / Card / Mechanical Key / Remote Network Connection

High-sensitivity touch keypad with 12-digit anti-peep passcode

New Generation AI Face Recognition Algorithm

Semiconductor Fingerprint Sensor

Video Intercom (Visual Two-way Communication)

Type-C Emergency Power Supply

Voice Navigation, Menu-based Operation

Panel Anti-pry Alarm

Low Battery Alert

Motion Detection

Built-in Doorbell



External Lock Dimensions: 415(L) X75 (W) X47 (D) mm  
Internal Lock Dimensions: 415(L) X75 (W) X68.5 (D) mm

Optional Color:  Black  Coffee Brown

### Technical Specifications

Front Panel Material: Aluminum Alloy	Number of Buttons: 12 touch buttons + 1 lock + 1 doorbell
Rear Panel Material: Aluminum Alloy	User Capacity: 200 users (max 100 facial/100 fingerprint)
Surface Treatment: Spray Molding/IML	Fingerprint Sensor Type: Semiconductor Fingerprint Sensor
Fingerprint Matching Time: <0.8s	Hook Type: Optional (for Top and Bottom Latch)
Lock Body: 6068 Mechanical Lock Body	Camera View Angle: Vertical 80° / Horizontal 63°
Deadbolt Material: Stainless Steel	Facial Recognition: 50-70 cm distance; 120-220 cm height
Display Screen: 4.45 inches; Resolution: 480P RGB*854	Fingerprint Rejection Rate: <3%
Video Intercom: Real-time two-way video; Wi-Fi 2.4G	Fingerprint False Acceptance Rate: <0.001%
Human Body Detection: Radar-based detection	System Power Supply: 4200mAh lithium battery
Low Battery Alarm: Triggers when battery voltage <7.2V	Camera Pixel: 2.0MP
Facial Recognition Speed: <1.3s (from activation to recognition)	
Facial Recognition Accuracy: <98% (per million samples)	
Corrosion Resistance: Passed 72-hour neutral salt spray test	
Liveness Detection Accuracy: <98.5% (per hundred thousand samples)	
Temperature Range: -25°C to 70°C, no condensation	Operating Humidity: 25%RH-93%RH, no condensation
Compliance Standard: GA 374-2019 Electronic Anti-theft Lock (Security Level B, Environmental Level II)	

# T15

## Main Functional Configurations:

Unlocking Methods: Palm Vein / Face Recognition / Fingerprint / Password /  
Access Card / Remote Network Connection

High-sensitivity Touch Buttons; Anti-Peep Passcode

Face Recognition

Semiconductor Fingerprint Sensor

Type-C Emergency Power Supply

Voice Navigation: Menu-driven Operation

Doorbell

Panel Anti-pry Alarm

Real-time Two-way Video Intercom

Low Battery Warning

Fingerprint-resistant Glass



External Lock Dimensions: 219(L) X78.5 (W) X25 (D) mm  
Internal Lock Dimensions: 217(L) X77.5 (W) X43 (D) mm

Optional Color: ● Black

## Technical Specifications

Rear Panel Material: Aluminum Alloy	Palm Vein False Acceptance Rate (FAR): < 0.001%
Front Panel Material: Aluminum Alloy	Face Recognition False Acceptance Rate (FAR): < 0.0001% (1 PPM)
Surface Treatment: Spray Painting / Glass	User Editing and Association: Supported
Fingerprint Sensor Type: Semiconductor Fingerprint Sensor	Optimal Palm Vein Recognition Distance: 13-25cm
High and Low Temperature Environment: -25°C - 70°C (No Condensation)	Face Recognition Height Range: 130-200cm
Face Recognition: Supported	Anti-static Interference: Supported
Network Function: Wi-Fi 2.4G Connection	Camera Image Pixels: 2MP
System Power Supply: Lithium Battery, 5000mAh	
Human Detection: Supported (Radar-based)	Palm Vein False Rejection Rate (FRR): < 1%
Fingerprint Matching Time: ≤ 0.8s	Face Recognition False Rejection Rate (FRR): < 1%
Face Recognition Speed: <1s (from activation to recognition)	Loitering Capture: Supported
Operating Humidity: 25%RH - 93%RH (No Condensation)	Deadbolt Material: Zinc Alloy
Corrosion Resistance: Passed 72-hour Neutral Salt Spray Test	Optimal Face Recognition Distance: 40-90cm
Number of Buttons: 12 Touch Buttons + 1 Lock / 1 Doorbell	Door Opening Record Query: Supported
Total User Capacity: 200 users (Max. 100 Face+Palm Vein, 100 Fingerprint)	
Video Intercom: Supports Real-time Two-way Video Intercom	
Low Battery Alarm: Triggers when battery voltage < 7.2V	
Executive Standard: GA 374-2019 (Security Level B, Environmental Level II)	

# T15 Plus

## Main Functional Configurations:

Unlocking Methods: Palm Vein / Face Recognition / Fingerprint / Password /  
Access Card / Remote Network Connection

High-sensitivity Touch Buttons; Anti-Peep Passcode

Face Recognition

Semiconductor Fingerprint Sensor

Type-C Emergency Power Supply

VoiceNavigation:Menu-driven Operation

Doorbell

Panel Anti-pry Alarm

Real-time Two-way Video Intercom

Low Battery Warning

Fingerprint-resistant Glass



External Lock Dimensions: 219(L) X78.5 (W) X25 (D) mm  
Internal Lock Dimensions: 217(L) X77.5 (W) X43 (D) mm

Optional Color: ● Black

## Technical Parameters

Rear Panel Material: Aluminum Alloy	Palm Vein False Acceptance Rate (FAR): < 0.001%
Surface Treatment: Spray Painting / Glass	Face Recognition False Acceptance Rate (FAR): < 0.0001% (1 PPM)
Front Panel Material: Aluminum Alloy	User Editing and Association: Supported
Fingerprint Sensor Type: Semiconductor Fingerprint Sensor	Optimal Palm Vein Recognition Distance: 13-25cm
High and Low Temperature Environment: -25°C - 70°C (No Condensation)	Face Recognition Height Range: 130-200cm
Face Recognition: Supported	Face Recognition False Rejection Rate (FRR): < 1%
Network Function: Wi-Fi 2.4G Connection	Anti-static Interference: Supported      Camera Image Pixels: 2MP
Human Detection: Supported (Radar-based)	System Power Supply: Lithium Battery, 5000mAh
Fingerprint Matching Time: ≤ 0.8s	Palm Vein False Rejection Rate (FRR): < 1%      Deadbolt Material: Zinc Alloy
Face Recognition Speed: <1s (from activation to recognition)	Optimal Face Recognition Distance: 40-90cm
Loitering Capture: Supported	Total User Capacity: 200 users (Max. 100 Face+Palm Vein, 100 Fingerprint)
Corrosion Resistance: Passed 72-hour Neutral Salt Spray Test	Operating Humidity: 25%RH - 93%RH (No Condensation)
Number of Buttons: 12 Touch Buttons + 1 Lock / 1 Doorbell	Door Opening Record Query: Supported
Video Intercom: Supports Real-time Two-way Video Intercom	Low Battery Alarm: Triggers when battery voltage < 7.2V
Executive Standard: GA 374-2019 (Security Level B, Environmental Level II)	