



# Face ACS 2025

Face Recognition Access Control System



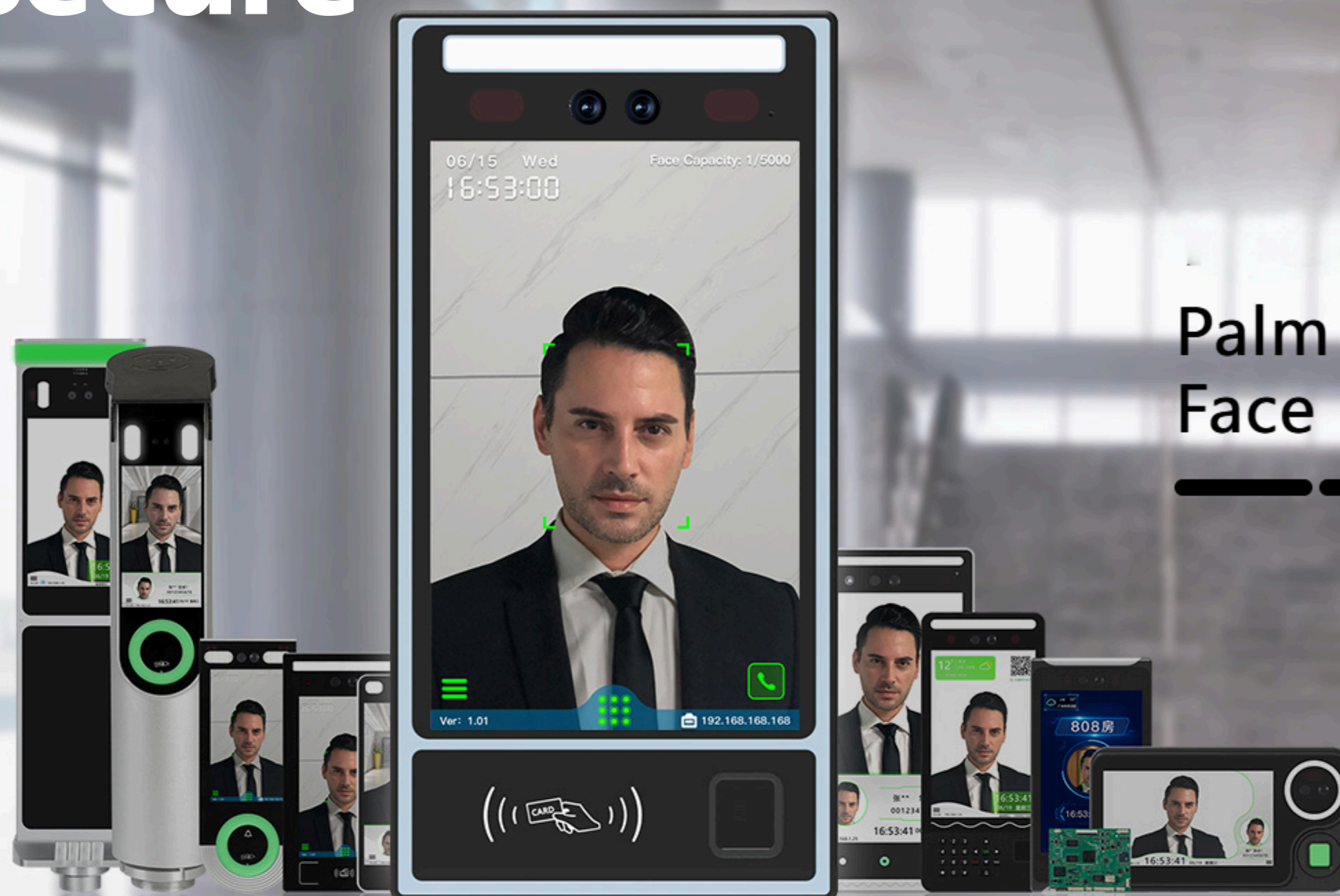
## Key Features

- Face recognition access control platform
- Palm recognition and multi-function terminal presentation
- Desktop software management shown in original document
- Cloud software supports computer, iPad, and mobile versions
- Access control, time attendance, elevator control, guard tour, meeting management, and visitor management referenced
- All original pages appended after the branded summary to preserve source content verbatim

Redesigned technical summary in Hikvision-style table layout. All original pages are appended after this branded section to preserve the exact original model numbers, specifications, diagrams, and descriptions.

## Technical Specifications

Category	Parameter	Value
<b>Product</b>	Document Reference	Face ACS 2025
<b>Platform</b>	System Type	Face Recognition Access Control
<b>Management</b>	Software	Desktop Software Management
	Functions	Personnel Management, Access Control, Time Attendance, Elevator Control, Guard To
<b>Deployment</b>	Cloud Support	Computer, iPad, and mobile versions
<b>Data</b>	Database Support	ACCESS and SQL Database



# 8890

## Palm Vein & Fingerprint & Face Recognition Access Control

### Multi-Function



High-definition Screen



High-definition Binocular Camera



20,000 Faces



1 Million Logs



LINUX System



Binocular Liveness Detection



1:N/1:1 Comparison



High Speed Recognition



Wide Dynamic Strong Light Recognition



Voice Remind



QR Code Recognition



Palms Recognition



Video Intercom



Lift Management



Cloud Management



Fingerprint Identification



Remote Upgrade



SDK Integration



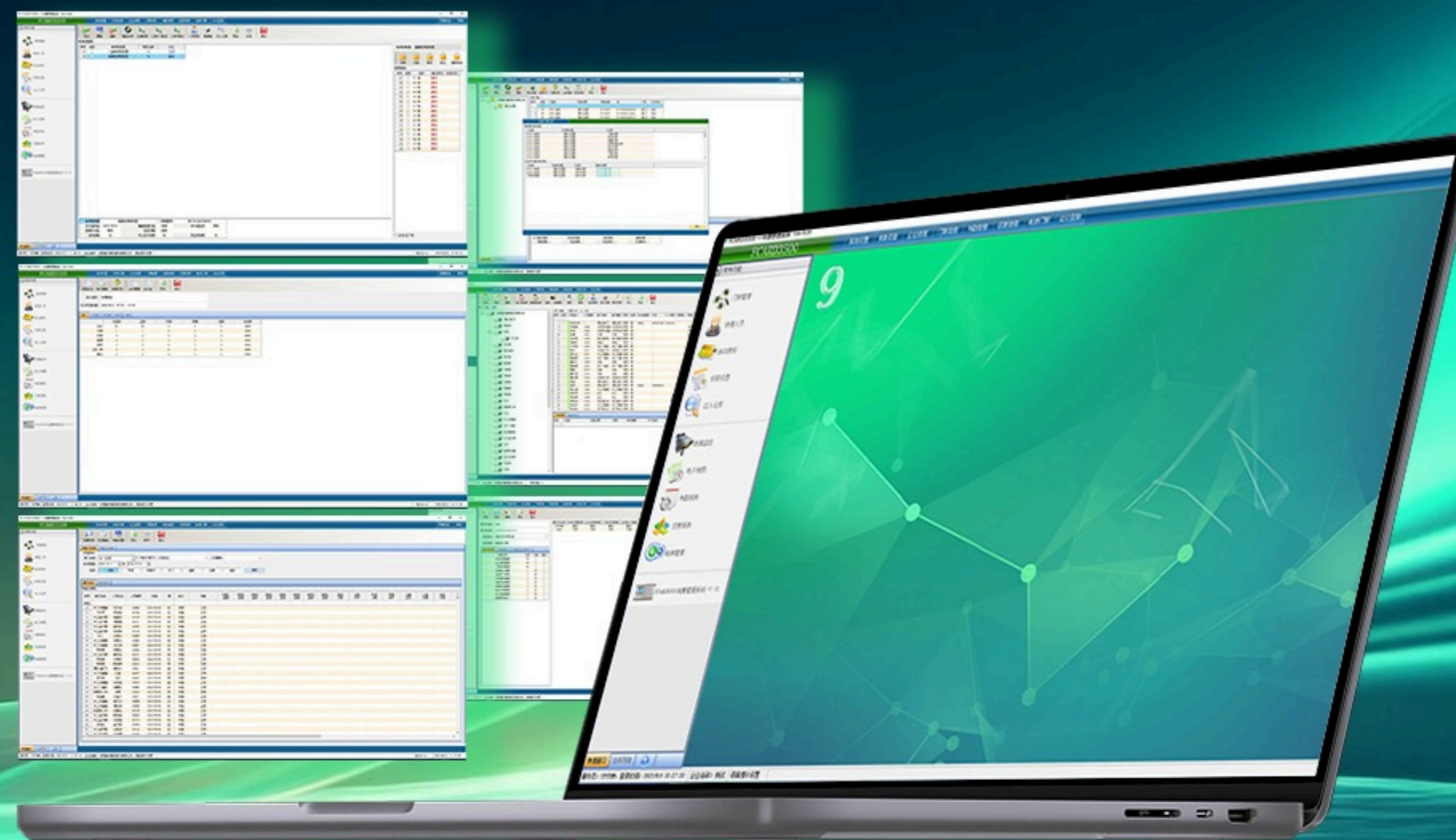
Multi-communication Mode



Free Docking to Other Platforms

## CS System

Desktop Software Management  
Support Personnel Management,  
Access Control, Time Attendance,  
Elevator Control, Guard Tour,  
Meeting Management, Vistor Management, etc



Support ACCESS and SQL Database

## BS System

Cloud Software Management  
Device actively communicates with the server

Our cloud software supports computer, iPad, and mobile versions. It can be used by installing apps or directly logging into the system through a browser





SV823 Series

# AI Facial Professional CPU

Supports Dual-Core 1.2GHz Main Frequency,  
1.0Tops NPU Built in 1G DDR3 Memory

Specialized AI Chips for Face, Fingerprint, Palm Vein,  
QR Code, Password, Mifare Card, Video Data, etc



Ultra-low  
Temperature



Super  
High Speed

## 8-inch HD Display Screen

Support 800x1280 ultra high definition resolution  
Provides 500 lumens of brightness, with true color LCD glass  
Images can be seen clearly both indoor and outdoor

Reading Card Function Can be Customized



8-inch Ultra  
HD Brightness Screen

8-inch HD Brightness Screen

Adopt professional glass green filter  
to make the color more outstanding



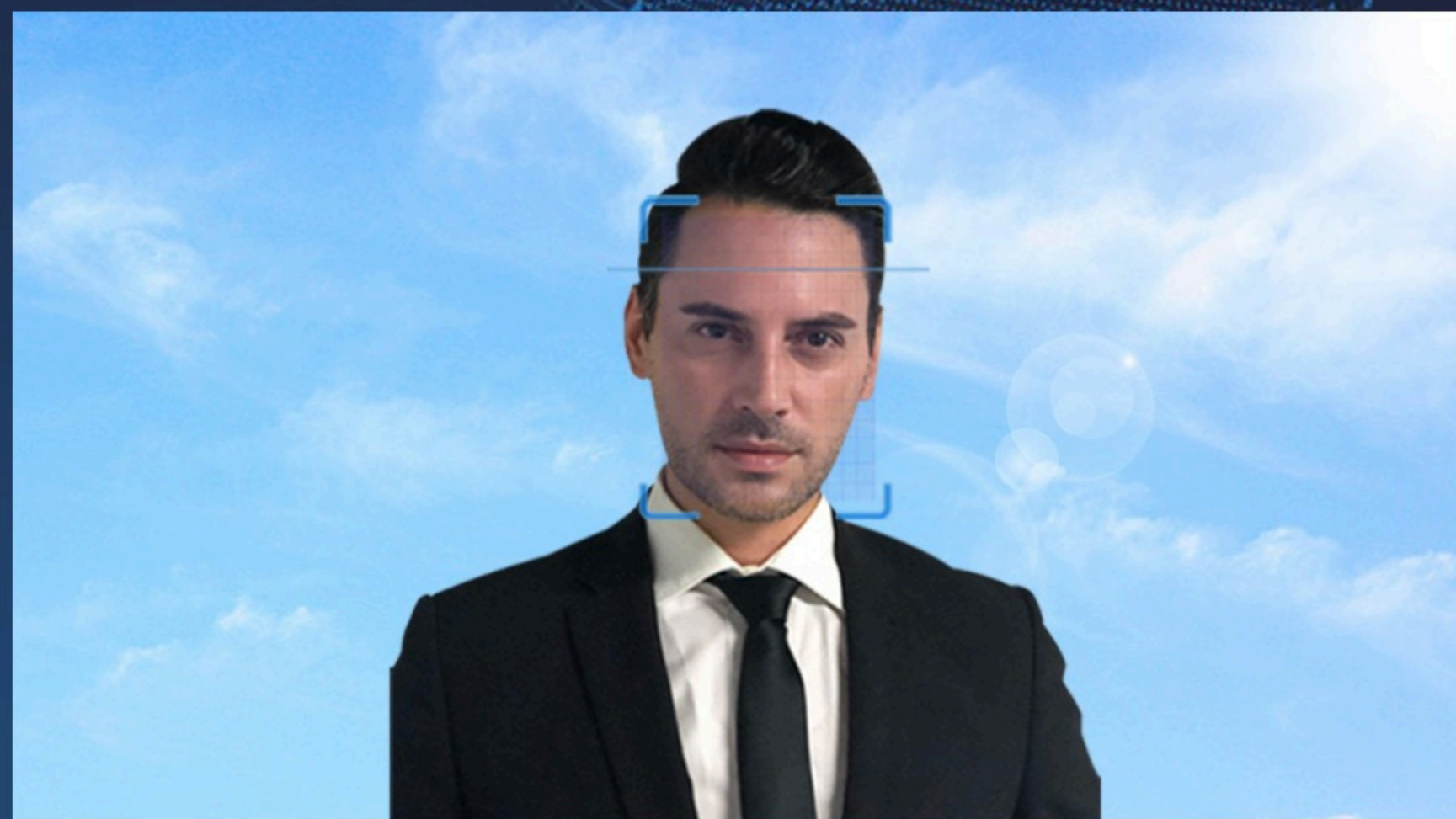
IMX307 + GC2145

## Binocular 2 Megapixel Camera

SONY IMX307 provides ultra clear color picture quality  
More outstanding in facial recognition, palm vein recognition,  
and QR code recognition, with faster speed and clearer and smoother images

## Wide Dynamic Strong Light Suppression Technology

Capable of adapting to various complex lighting  
environments such as backlight and strong light,  
to ensure high-precision facial recognition rates  
in different scenes and environments



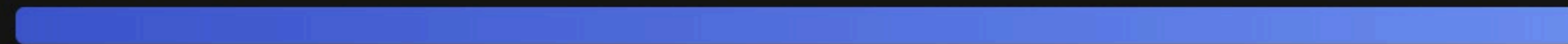
Support Wide Dynamic  
Technology at Night

Support Wide Dynamic  
Technology at Strong Light

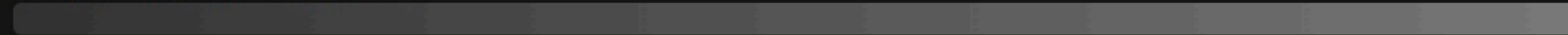
Not Support Wide  
Dynamic Technology

## Large Data Storage

**20,000 Users** 20,000 Faces, 10,000 Palm Veins, 20,000 Cards, 20,000 QR Codes, 20,000 Passwords



1 Million Access Records and Attendance Records



## TCP/IP+WIFI+4G (Optional) Three Communication Modes

**4G Communication Can be Customized**

The recommended communication distance between TCP/IP and the switch is within 80 meters, and the WIFI distance is within 20 meters.



HTTP+MQTT+WebSocket+TCP+UDP+WEB

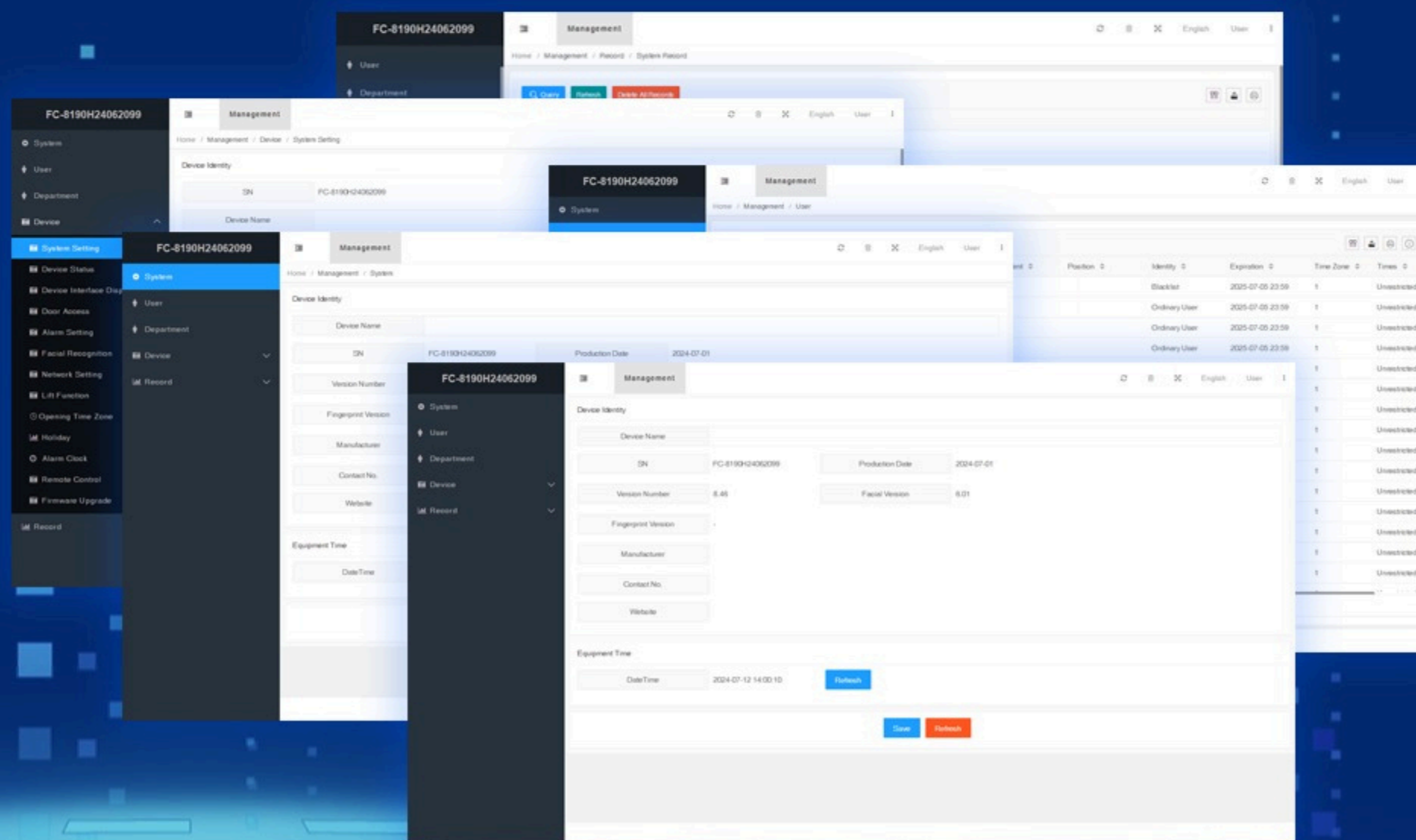
Multiple Communication Protocols

Support multiple communication protocols,  
including HTTP, MQTT, WebSocket, TCP, UDP and WEB



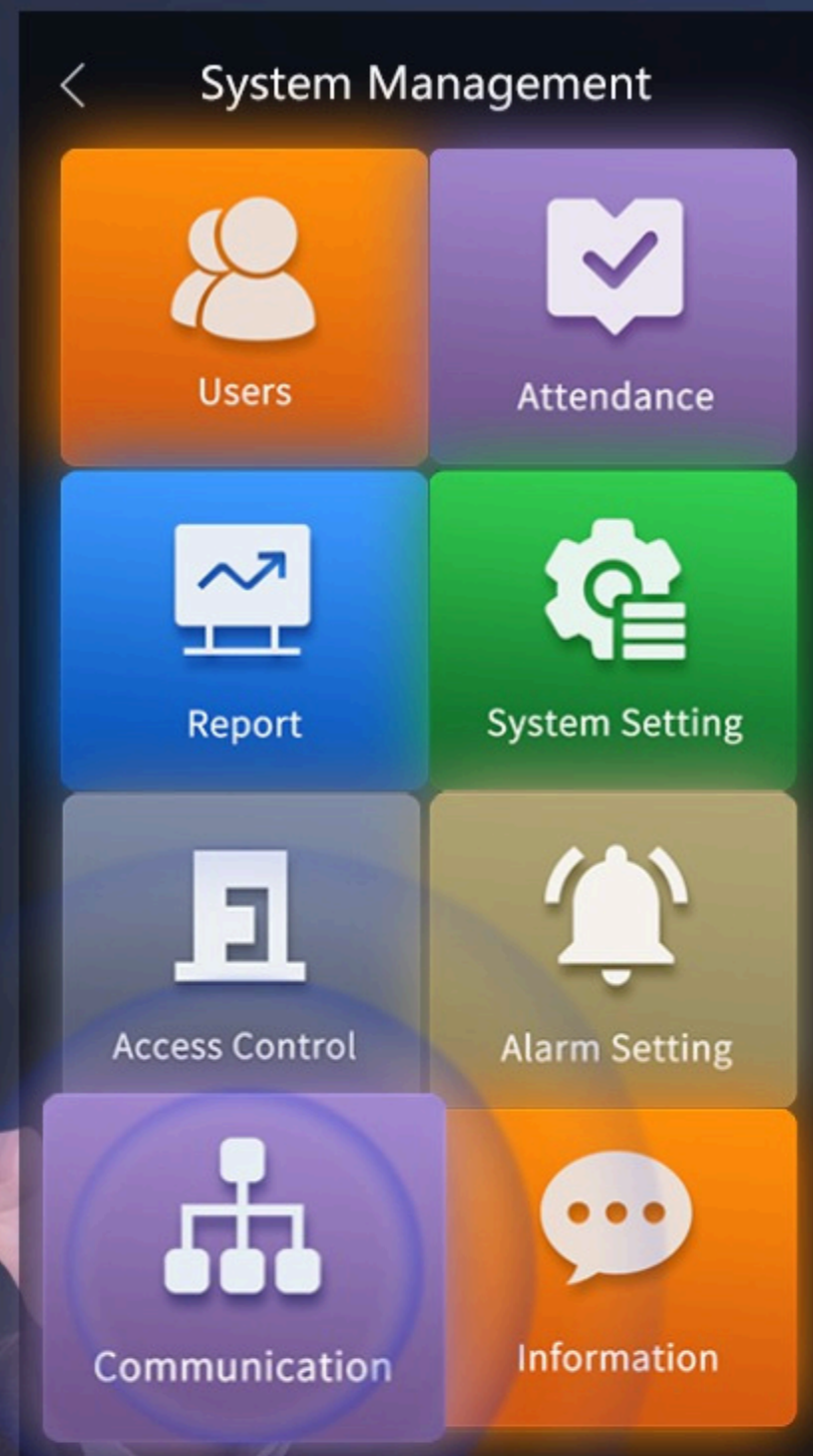
## Support WEB Management

Can directly open the WEB page through the IP address;  
support personnel, department, equipment parameters,  
record managements and other operation settings



## Touch Screen

When it is not convenient for users to manage their devices through a computer, the device provides a touch screen menu management function, which can directly authorize personnel for opening doors, time attendance, or taking elevator



## Reading Card Technology (Mifare Card)

13.56Mhz supports not only Mifare cards, but also NFC cards and CPU cards.

And also can set to support card types and whether encryption and card control technology is enabled



# Temperature Detection

Built In Facial Temperature Recognition Algorithm  
Using medical temperature sensor, high temperature  
detecting will alarm and not allowed to entry

This function can be customized



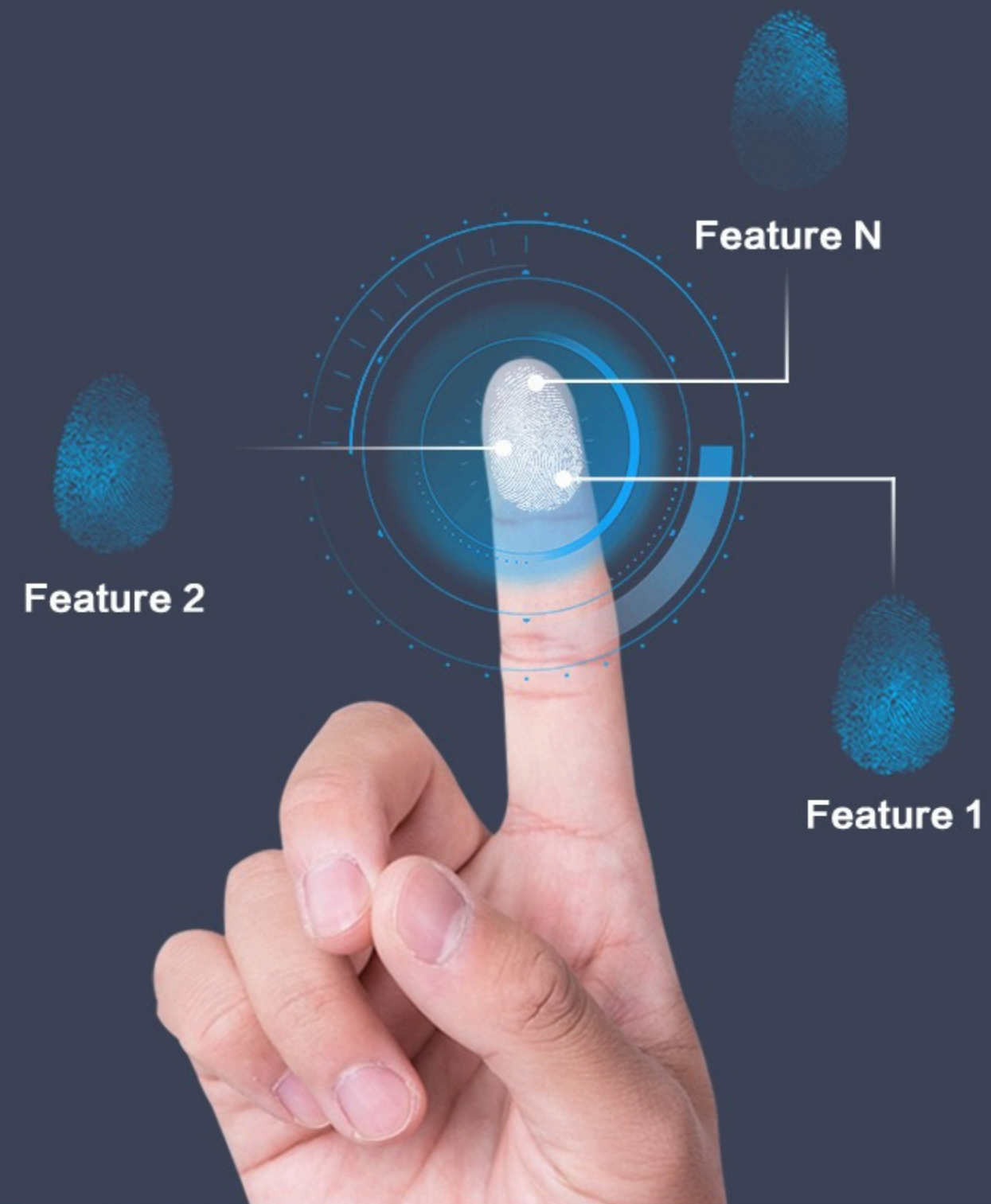
Tag Name	Door Name	Event Time	Event Type	Access Type	Site Picture	Site Temperature
默认位置	FC-8400722046015-1	2023-11-18 17:51:55	Face Identification	Entry		36.70°C
默认位置	FC-8400722046225-1	2023-11-18 17:51:40	Face Identification	Entry		36.40°C
默认位置	FC-8400722046021-1	2023-11-18 17:49:13	Face Identification	Exit		35.50°C
默认位置	FC-8400722046021-1	2023-11-18 17:49:07	Face Identification	Exit		35.40°C
默认位置	FC-8400722046015-1	2023-11-18 17:44:08	Face Identification	Entry		35.30°C
默认位置	FC-8400722046015-1	2023-11-18 17:43:45	Face Identification	Exit		35.30°C
默认位置	FC-8400722046015-1	2023-11-18 17:43:40	Face Identification	Exit		35.60°C
默认位置	FC-8400722046015-1	2023-11-18 17:43:27	Face Identification	Exit		35.50°C
默认位置	FC-8400722046015-1	2023-11-18 17:43:21	Face Identification	Exit		35.60°C
默认位置	FC-8400722046015-1	2023-11-18 17:43:09	Face Identification	Exit		36.40°C
默认位置	FC-8400722046015-1	2023-11-18 17:43:08	Face Identification	Entry		35.70°C
默认位置	FC-8400722046015-1	2023-11-18 17:43:03	Face Identification	Exit		35.70°C



## Fingerprint Identification

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Using High-resolution Texture Recognition Lenses  
Built in liveness detecting sensor, supports massive  
fingerprint authentication and liveness judgment



## Palm Vein Recognition

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Using 850nm light speed to determine the authenticity of palm veins  
Combining texture and palm shape for algorithmic operations  
Utilizing human biometrics to achieve personal identification

Less error rate, higher accuracy, faster speed, non-contact

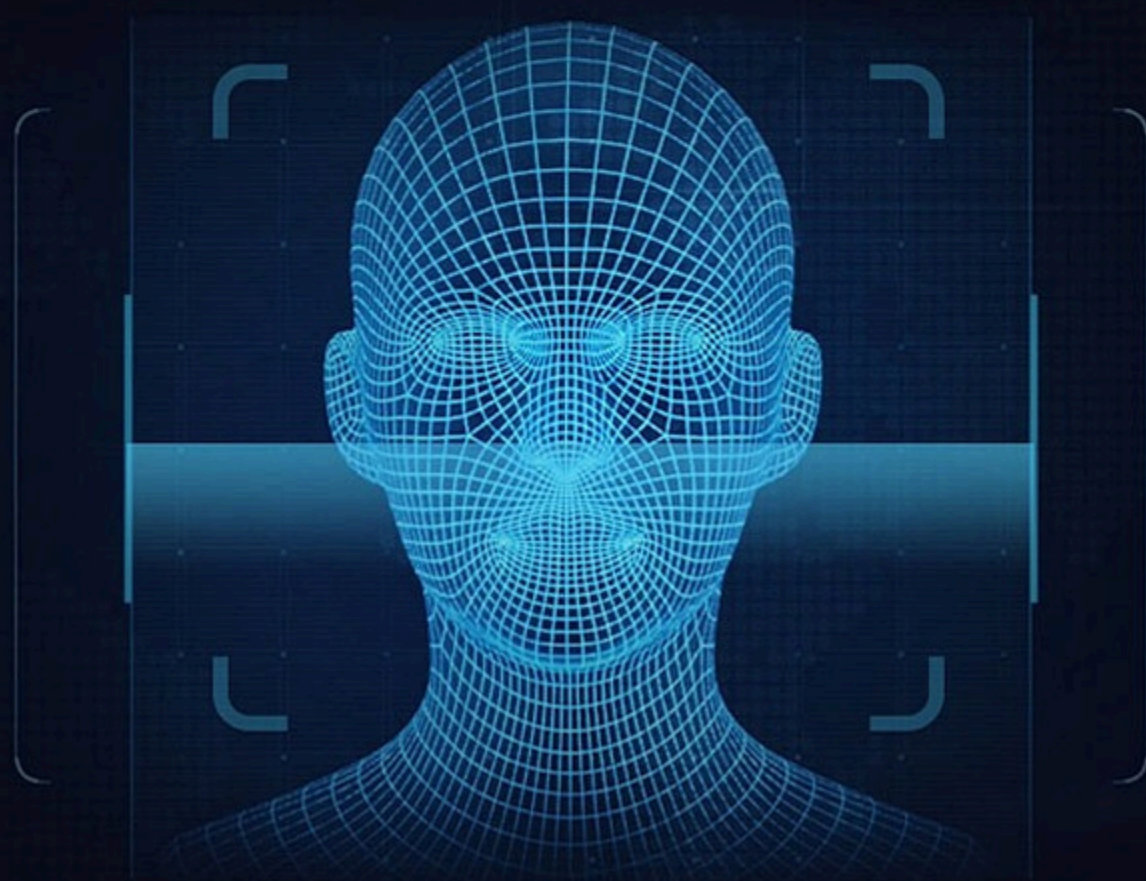
# QR Code Recognition

Utilizing existing color high-definition cameras combined with rolling QR code algorithms, to achieve QR code recognition and authentication

QR code door opening, QR code attendance, QR code visitor authentication and QR code to take elevator



# Face Recognition Technology



### Binocular Camera


Improve image clarity and depth perception  
Make image processing more accurate and efficient

A binocular camera module with two lenses and various electronic components.

### Prevent Photo&Video


### Liveness Detection

Real-time detection of faces through cameras  
To make sure the person being identified is real  
Quickly determine if a face is a real living thing

A diagram showing a wireframe face with a rectangular box around it, representing liveness detection.

### 0.3s Recognition Speed

Able to detect and recognize human bodies in images or video streams within 0.3s, enabling fast real-time applications

A graphic showing a circular timer with the text ≤0.3s inside.

# Video Intercom Support Direct Calling and Dial-up Calling Modes

Villa Mode

Residence  
Mode


Direct Calling Intercom  
Simple and Convenient



Calling the building  
indoor Unit of a  
certain building or room



Calling the indoor unit of  
a certain room in  
multiple buildings



# Standby Advertising Image Playback

Can be Used for Notification and Promotion  
Can switch wallpapers

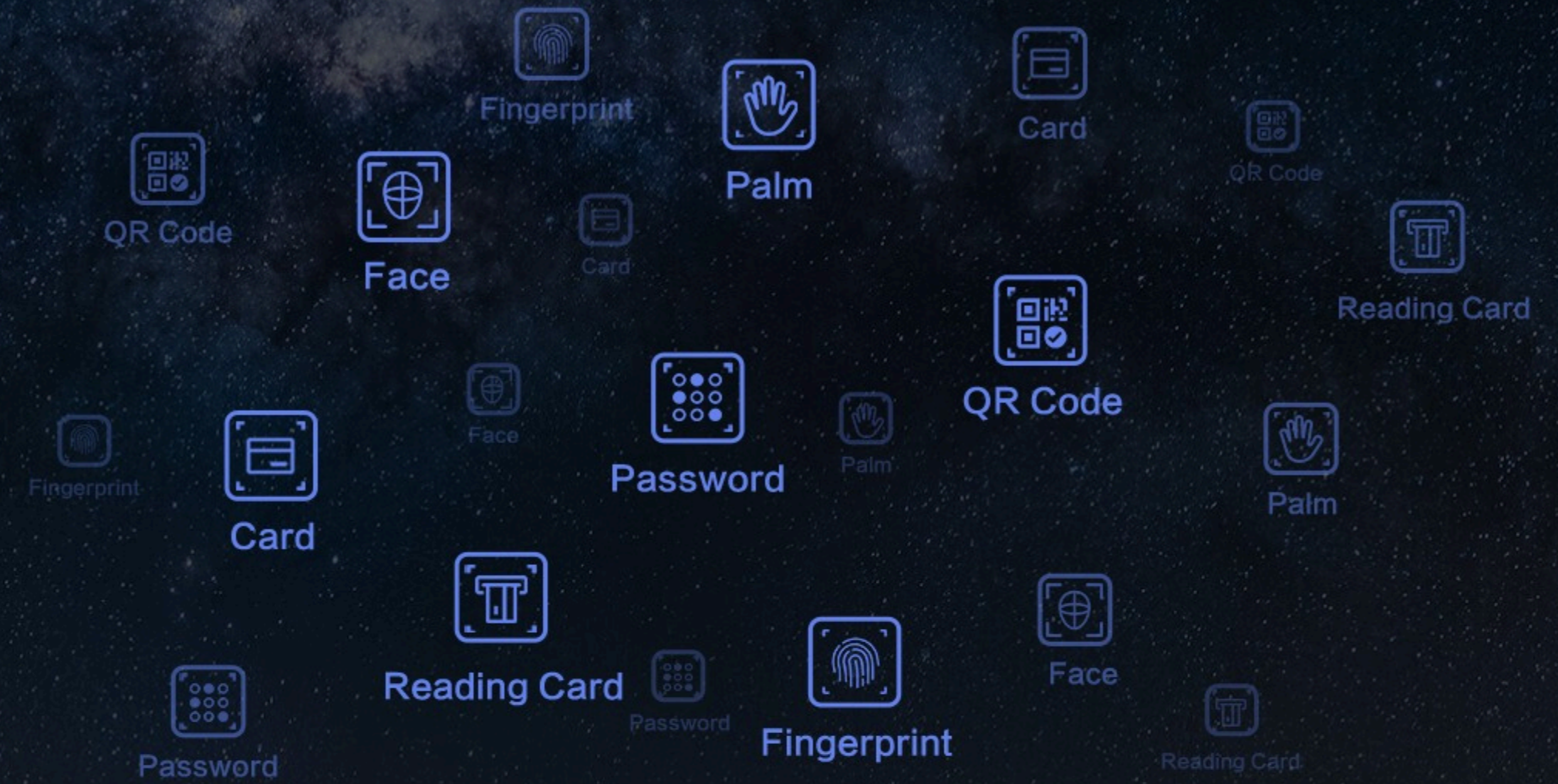
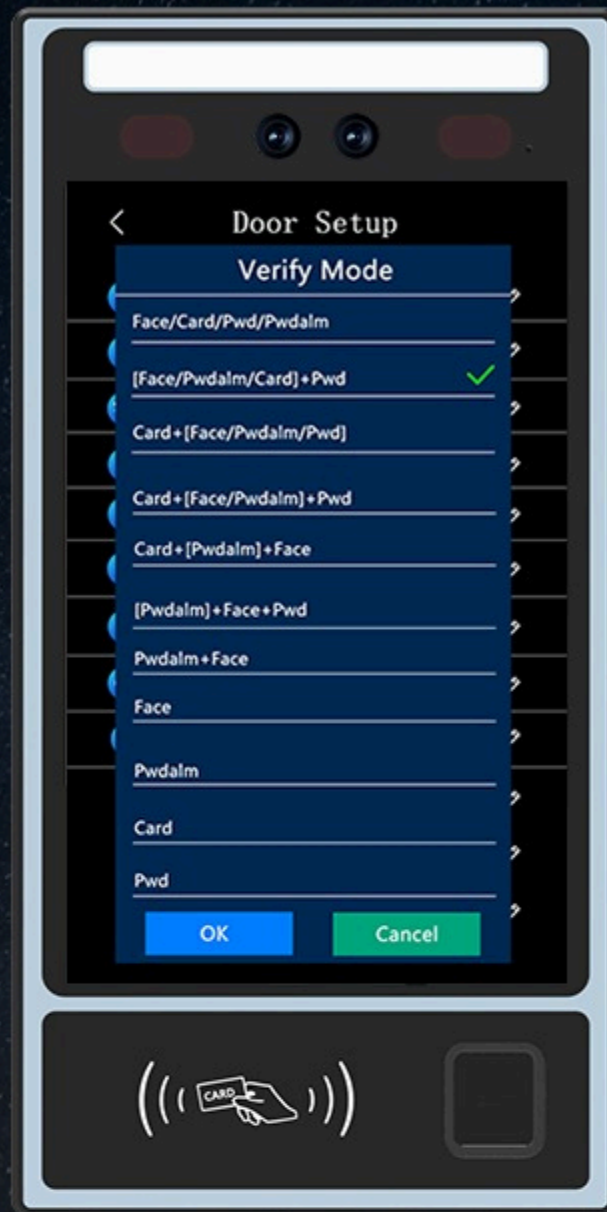
Some Models Support Advertising  
Images and Video Playback



Advertising Images Can  
Be Changed By Customers

# 13 Combination Authentication Modes

Selecting the Following Confirmation Modes As Needed



## Support Multiple National Languages

Built in Multi-national Voice

PR  secure



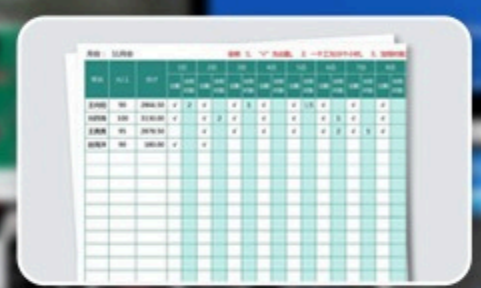


secure

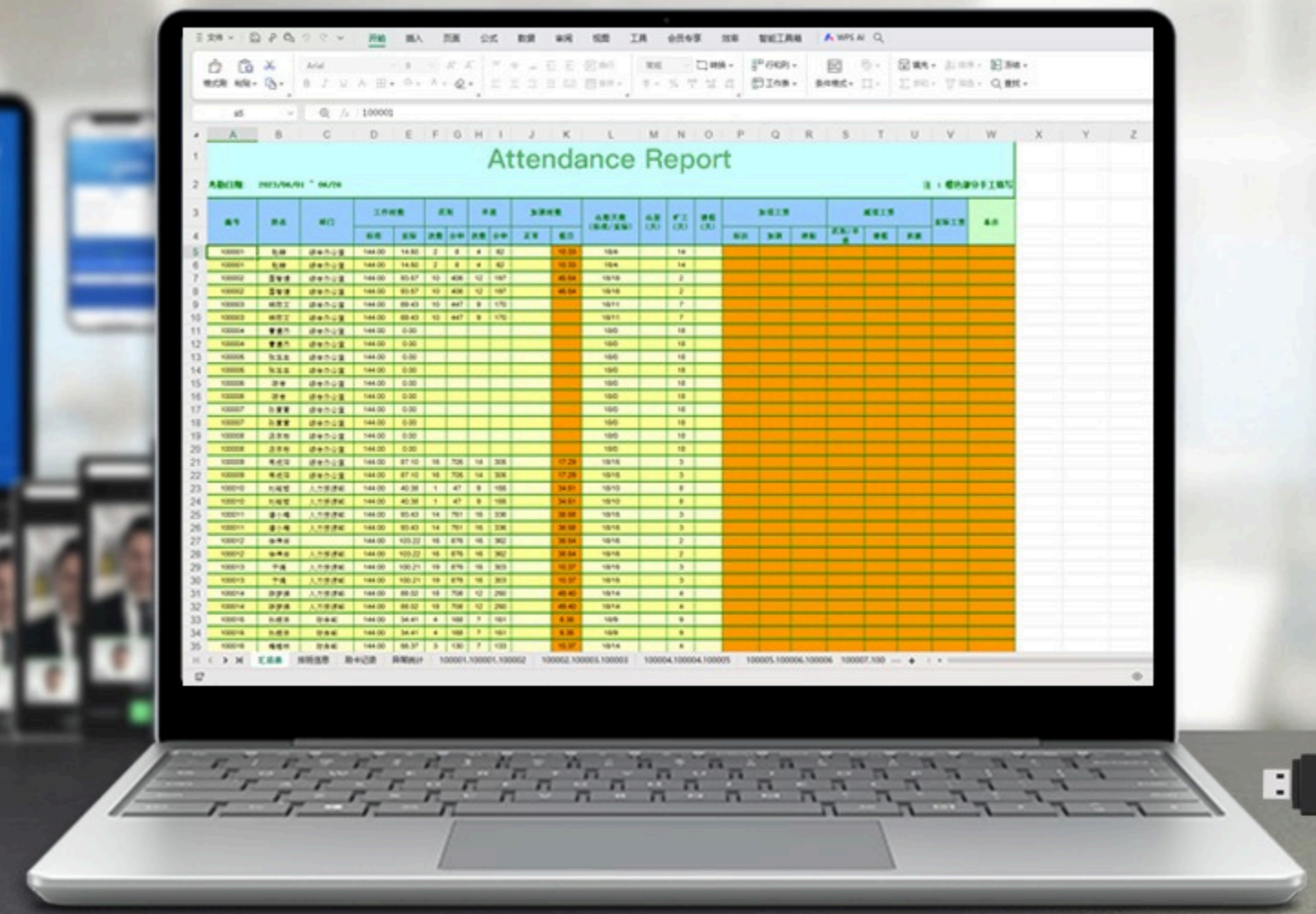
# USB Flash Drive to Download Report



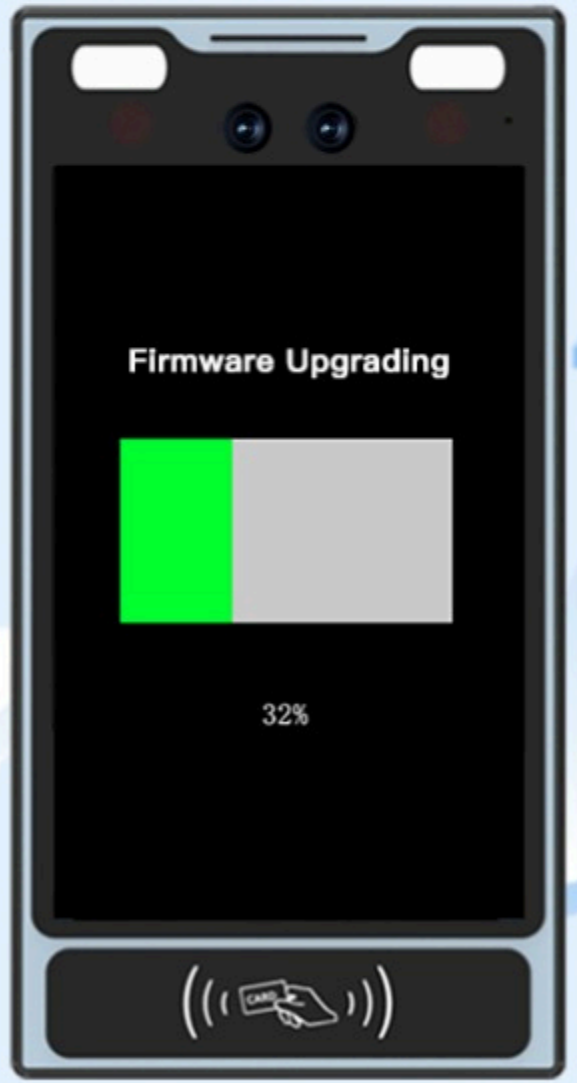
Attendance Schedule by USB drive



View Attendance Records



Support Independent Attendance  
Can Independently Complete Attendance Work and Output the Reports



Ver:1.0

Ver:2.0

Ver:5.0

Ver:3.0

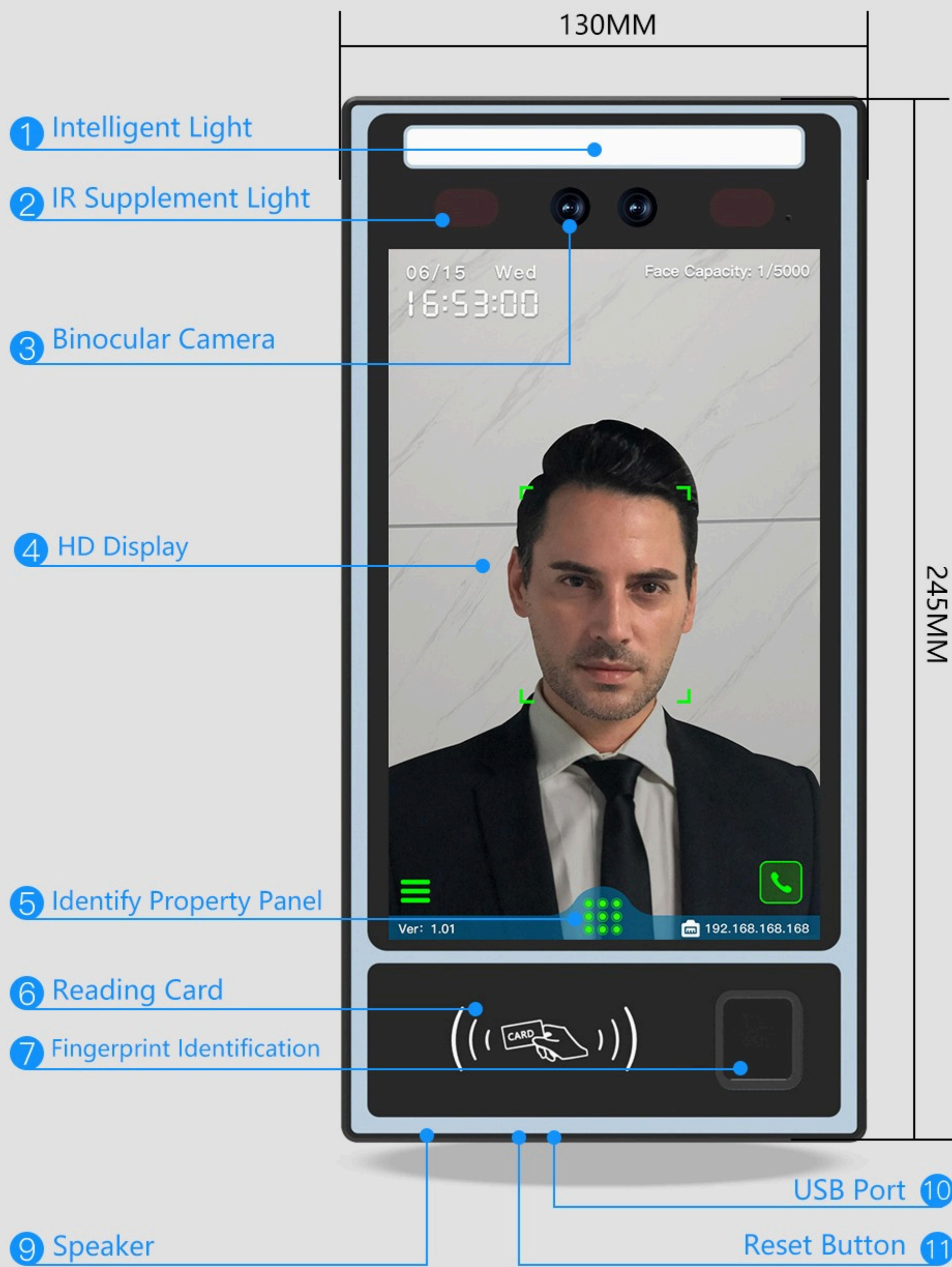
Ver:4.0

Ver:6.0

## Support OTA Upgrade and USB Flash Drive Upgrade

Device Continuously Upgrades to Enhance Application Value

# Appearance Diagram



## Technical Parameters

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**Main Uses:** Access Control, Time Attendance, Video Intercom, Elevator Control, Cabinet Lock

**Working Voltage:** DC12V (9 ~ 14V)

**Working Current:** <2000mA

**Working Environment:** Temperature: -30°C ~ 65°C;  
Humidity: 10 ~ 90%, RH

**Operating System:** LINUX System

**User Capacity:** 20,000 Faces; 20,000 QR Codes; 20,000 Cards;  
20,000 Passwords; 10,000 Fingerprints;

**Record Capacity:** 1 Million Records; 10,000 Recording Photos;  
10,000 System Records

**Recognition Distance:** 0.3m-3m

**Recognition Speed:** < 0.3S

**Material:** ABS Plastic Casing+Tempered Glass Panel

**Size:** 215×112×25mm

**Weight:** 0.6KG

**Elevator Expansion:** Support for Elevator and Cabinet Lock

**Algorithm:** Face Recognition, Fingerprint Identification,  
Palm Vein Recognition, QR Code Verification

**Management Mode:** Touch Screen, Desktop Software,  
Cloud Software, Mobile App

**Registration Methods:** Face, Fingerprint, Palm Vein, Password,  
Mifare Card, Dual Frequency Card Optional (ID Card and Mifare Card)

**Comparison Mode:** 1:N/1:1

**Firmware Upgrade:** Software OTA Upgrade or USB Flash Drive  
Upgrade

**Camera:** Wide Dynamic Binocular 2 Megapixel HD Camera

**Display Screen:** 8-inch ISP Full-view HD Screen

**Storage:** 256M DDR3 Memory, 8GB EMMC Storage

**Communication:** TCP/IP, WIFI, 4G(Customized),  
Wiegand26/34/66

**Other Interfaces:** Exit Button x1, Door Sensor x1, Fire Input x1,  
Alarm Output x1, Wiegand Output x1, Wiegand Input x1,  
Magnetic Lock Control x1, USB x1, RS485 x1

**Installation Ways:** Wall Mounted or Installed on the Turnstile

