



EFFICIENCY, ACCURACY, CONVENIENCE & SECURITY

Dahua Access Control and Time Attendance
Product & Solutions

ABOUT DAHUA



7

Continents (Operation Coverage)

Asia / Europe / Africa / North America / South America / Oceania / Antarctica



5

R&D Centers

Hangzhou, China / Xi'an, China / Chengdu, China / Poland / Mexico



3

Manufacturing and Supply Centers

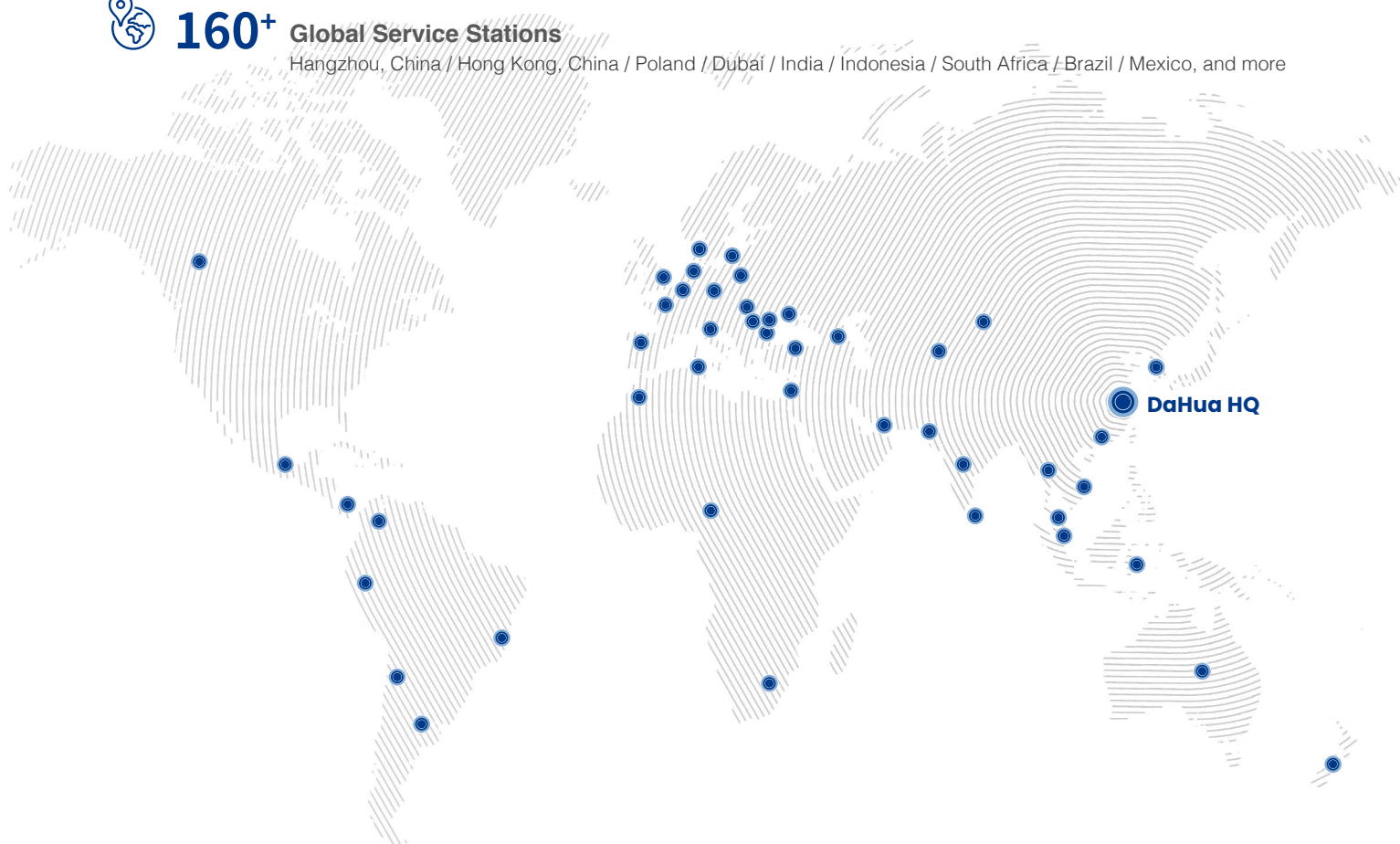
Hangzhou, China / Changsha, China / Vietnam



160+

Global Service Stations

Hangzhou, China / Hong Kong, China / Poland / Dubai / India / Indonesia / South Africa / Brazil / Mexico, and more



- 2024 Operating Revenue: **RMB 32.181B**
- 2024 R&D Investment: **RMB 4.213B (13.09% of revenue)**
Cumulative R&D investment since IPO: **RMB 29.632B**
- Compound Annual Growth Rate (CAGR) since establishment: **revenue 42.23%, net profit 42.60%**

HISTORY



2001

Founding of Dahua Technology, entering the field of video surveillance



2002

Dahua Technology releases the world's first 8-channel real-time embedded DVR



2003

Dahua Technology begins expansion to the overseas market



2007

Dahua Technology releases embedded intelligent All-in-One Traffic Camera, leading the domestic standards for intelligent traffic management.



2008

IPO on the Shenzhen Stock Exchange on May 20th, 2008



2010

- Dahua Technology adopts CMOS technology and releases HD high zoom ratio camera module
- Establishes the first national post-doctoral research station in China security industry
- Establishes CMS security service company



2012

Dahua Technology launches its in-house HDCVI technology, which is adopted by the HDcctv Alliance and becomes the first international standard in the domestic industry



2013

Dahua Technology develops hardware-software integrated embedded surveillance management platform, considerably simplifying the deployment and maintenance of surveillance systems



2014

- Dahua Technology adopts cloud technology
- Enters the consumer security market by establishing the Imou brand
- Founding of its first overseas subsidiary



2016

Dahua Technology obtains CMMI Level 5 certification, solidifying a world-leading position in software development capabilities



2017

Dahua AIoT Industrial Park begins production



2018

- Dahua Technology releases new smart city framework
- Europe supply center begins operations



2019

- Dahua Technology releases AIoT and SDTV strategies
- Dahua Technology launches GAIA Big Data Platform



2020

- Set up 8 domestic regional software development centers to accelerate software development and implementation



2021

- Released Dahua Think# corporate strategy
- Received Zhejiang Province Quality Award



2022

- Successfully held "A Digital Future Connected Through The Cloud" summit



2023

- Released Dahua Think# 2.0 corporate strategy
- Released the Dahua Xinghan Foundation Model
- Released new corporate mission

2024

- Accelerated globalization with overseas revenue exceeding 50%
- Dahua Xinghan Foundation Model deployed across multiple industries



Future

- Committed to becoming the "preferred AIoT brand"
- Fulfill the mission of "Enabling a smarter society and better living"

CONTENTS

01 Overview

02 Key Technology

Biometric Identification

Mobile Access

RFID

Cyber Security

12 Solution Parts

Access Control

Time Attendance

28 Third-party Integration

30 Product Selection

Face Recognition Standalone

Access Control Standalone

Access Controller

Card Readers

Time Attendance

Accessories

Overview

Dahua Access Control & Time Attendance products aim to help users achieve convenient and safe access and enterprise management. From hardware products to mobile apps, tools, and comprehensive management platforms, we have multiple mature solutions. With more than 10 years of developing experience, we attach great importance to the innovation and exploration, with a research and development team of over 300 engineers. Our products have been sold to over 160 countries, and are popular in Brazil, the Middle East, North Africa, India, Mexico and other regions.

Dahua Developing Trend



Biometric Identification



Mobile Access



RFID



Cyber Security



Key Technology

Biometric Identification

Face, palm vein and fingerprints are the unique biological characteristics of individuals to verify their identity. These methods bring quick access for users and are common features of our products.





1. Face Recognition Technology

Contactless access brings safe and convenient passage. Dahua's face recognition products support advanced anti-spoofing feature that uses 2MP dual-CMOS camera to prevent unauthorized access through photo or video attacks. It also supports accurate recognition through automatic infrared in dark environments without irritating the user's eyes.



Fast

Provides a face recognition speed of less than 0.2 second per person.



Accurate

Offers 99.9% accuracy and strong adaptability to harsh environments.



Convenient

Offers touchless access, diverse installation options and multiple management interfaces.



Trustworthy

Equipped with anti-spoofing algorithm against photo and video attack.

Key Technology

Biometric Identification



2. Palm Vein Recognition

Dahua's palm vein algorithm boasts an impressive recognition speed of 0.5 seconds, ensuring a seamless and efficient user experience. This cutting-edge technology relies solely on pure vein recognition, eliminating the need for palm print feature information, thus guaranteeing top-notch security that cannot be forged or replicated.

Furthermore, the palm vein texture persists unaltered and steadfast throughout an individual's entire lifetime, with an incredibly low False Acceptance Rate of only 0.001%.

3. Fingerprint

Dahua's fingerprint recognition technology has fast recognition speed, convenient and easy operation, as well as robust and user-friendly design. The capacitive fingerprint module is used in some access standalone devices and card readers, which is more accurate in terms of recognition and offers good anti-counterfeiting performance.



Key Technology

Mobile Access

Dahua's mobile authentication greatly improves convenience while ensuring security and data privacy. There are mainly two methods: QR code and Bluetooth authentication. Users do not need to carry any physical cards and can pass through using their mobile phones.





1. QR Code

The QR code recognition technology offered by Dahua has several key features that make it a convenient and efficient option.



Easy to Use

Eliminates the need for any physical contact.



Fast and Efficient

Allows for quick and hassle-free scanning.



Security

With DSS Pro visitor management module, only authorized individuals can access the door in a limited time duration.

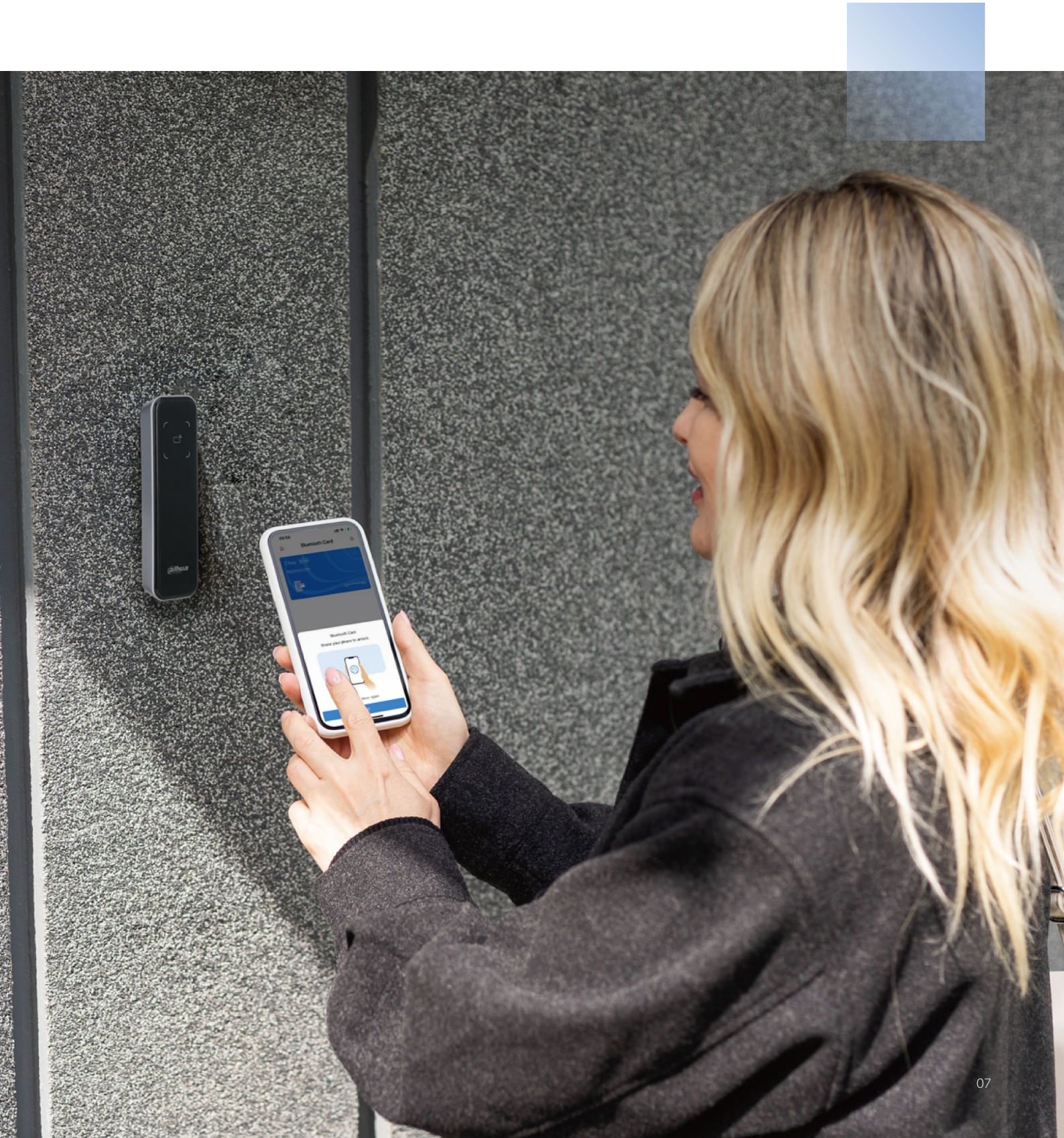


Strong flexibility

Supports both electronic and paper-based QR codes, making it a user-friendly and accessible option.

2. Bluetooth

Dahua's Bluetooth technology offers users a touchless access experience, while maintaining door security through replay attack prevention and AK/SK Technology. Additionally, it offers strong flexibility, 2 trigger modes (normal or shake) and 3 different distances (short, mid, long) making it adaptable to different scenarios and requirements.



Key Technology

RFID

Dahua provides professional RFID solutions including RFID cards, readers, and backend system. It plays a significant role in various industries



RFID Technology

Dahua's access control standalones and card readers support RFID technology, and are compatible with various types of cards, including Mifare, DESFire, EM, etc.



Simple

The recognition can be done by simply placing the card close to the card reader.



Flexible

The appearance of standalones and card readers is diverse, and some models support dual frequency function to meet multiple kinds of scenarios.



Secure

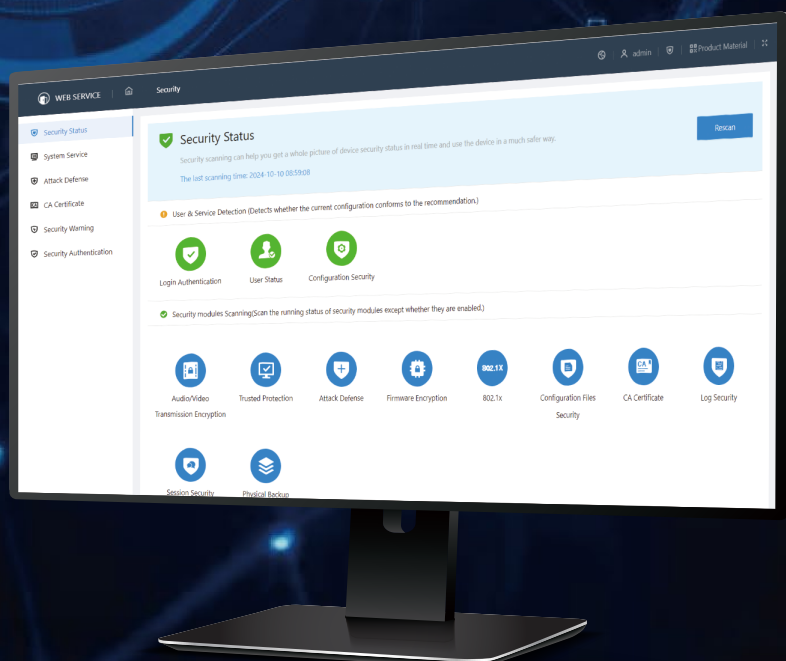
DESFire cards use encryption algorithms such as DES/3DES and AES to protect data security, making them difficult to be cracked.



Key Technology

Cybersecurity

Dahua's self-developed cyber security frame implements encryption protection from front-end collection to back-end storage. It also has a dedicated product security incident response team responsible for monitoring and handling cyber security and privacy protection incidents, helping users better meet data security and privacy protection requirements.



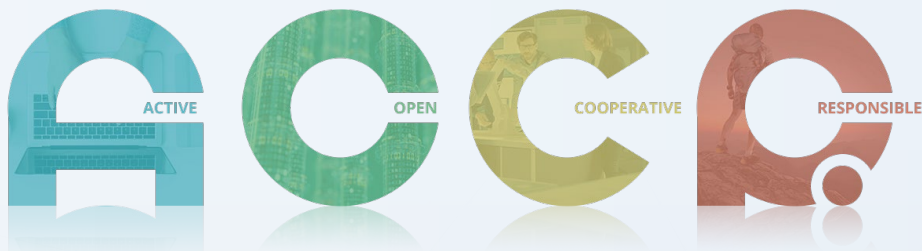
Trust Us

Secure Products and Services



As a CVE Numbering Authority (CNAs) member, Dahua PSIRT (The Dahua Product Security Incident Response Team) follows ISO/IEC 30111, ISO/IEC 29147 standards to fix discovered vulnerabilities in a timely manner.

Open Cyber ECOSystem



Under the leadership of the Cybersecurity Committee, we set up a team with representatives and experts in data protection, network security, legal affairs, etc. Dahua also conducts standard research and third-party audit to ensure compliance, while helping customers better comply with regulations.

Privacy Protection



We attach great importance to customer's personal data and privacy protection. We follow international and domestic standards such as ISO/IEC 29134 and GB/T 39335-2020 to identify the potential impacts to reduce privacy risks.



Meeting
room

2

Solution Parts

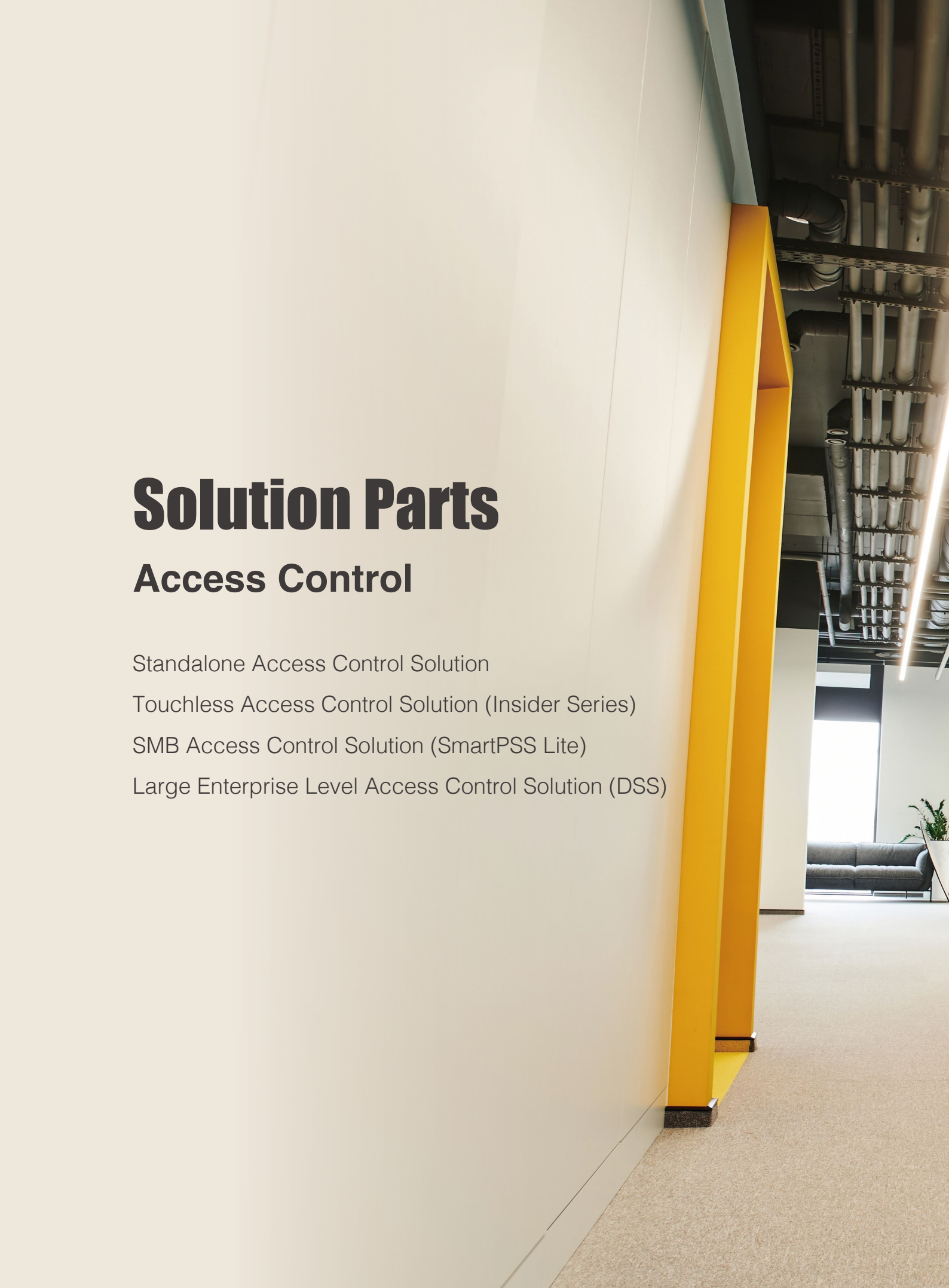
Access Control

Standalone Access Control Solution

Touchless Access Control Solution (Insider Series)

SMB Access Control Solution (SmartPSS Lite)

Large Enterprise Level Access Control Solution (DSS)



Access Control

Standalone Access Control Solution



Contactless Access

AI technology enables contactless recognition to improve user traffic efficiency.



Intercom Integration

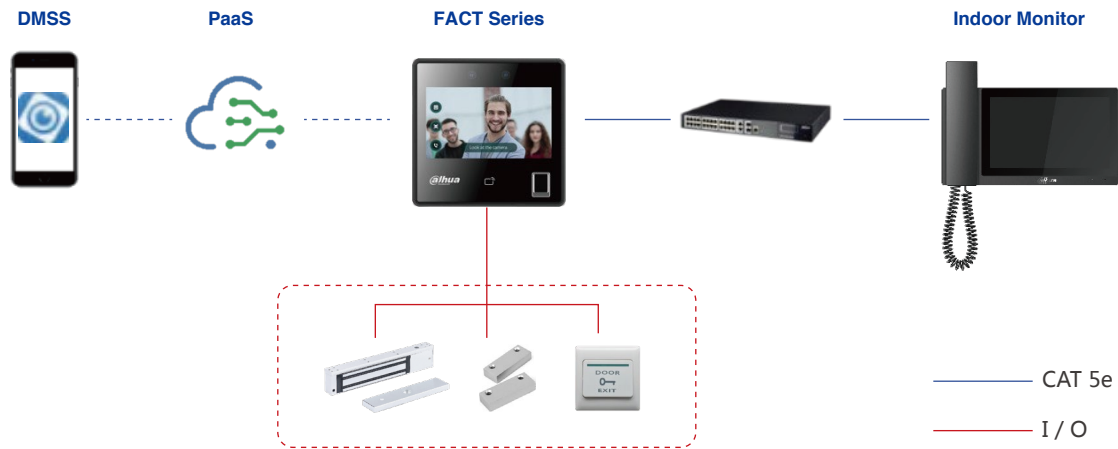
Offers integrated video intercom function suitable for visitor management scenarios.



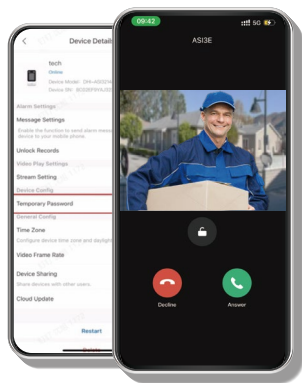
Remote Control

Provides intelligent features including remote unlocking, alarm info push notification, incoming call push notification and temporary password setting.

Topology



Mobile App: DMSS



Live View and Playback

Playback of audio and video content obtained during monitoring



Real-time Event Report

Real-time event report is supported via P2P/PAAS



Call Push

Push video & audio call to DMSS in the "One-click Call" Mode



Remote Door Opening

Remote door opening is supported via P2P/PAAS



Temporary Password

Set temporary password for visitor and short-term rental house



Access Control

Touchless Access Control Solution (Insider Series)



Touchless Access

Use a mobile device to conveniently and securely gain door access via Bluetooth.



Lightweight System

Offers web-centric operation, eliminating configuration of additional platform.

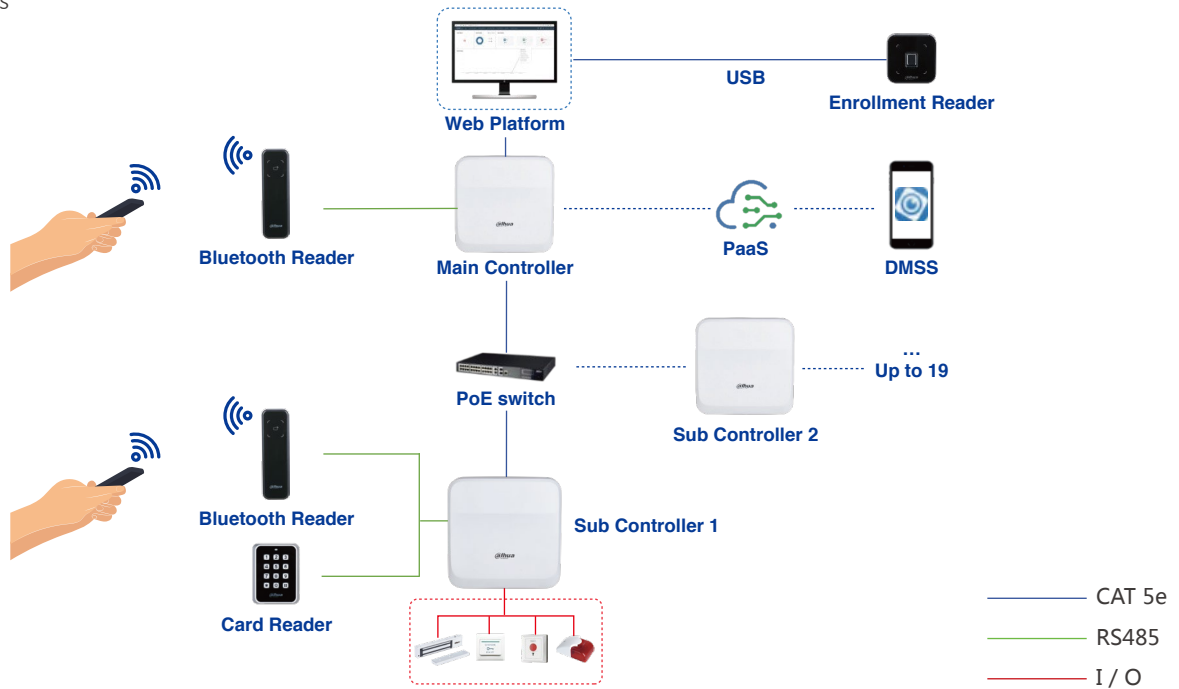


Simplified Installation

Supports PoE and provides power to the lock, reducing construction costs.

Topology

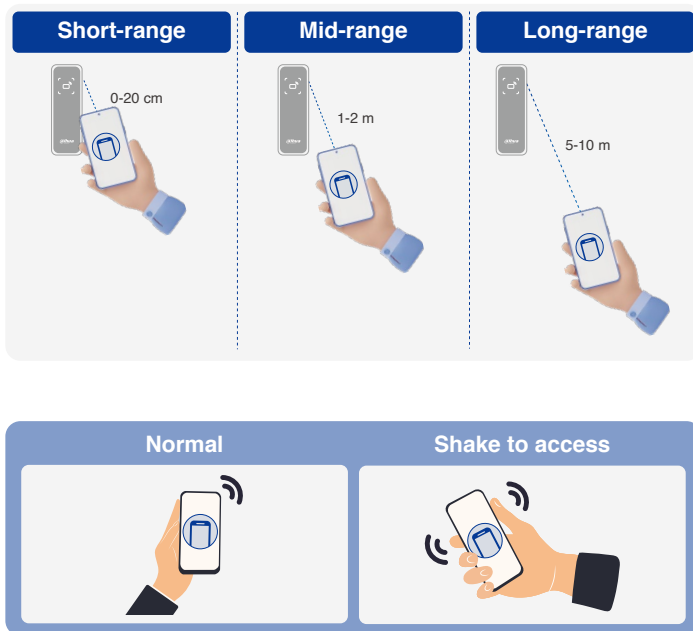
- 1 Main Controller + 19 Sub Controllers
- Up to 40 doors



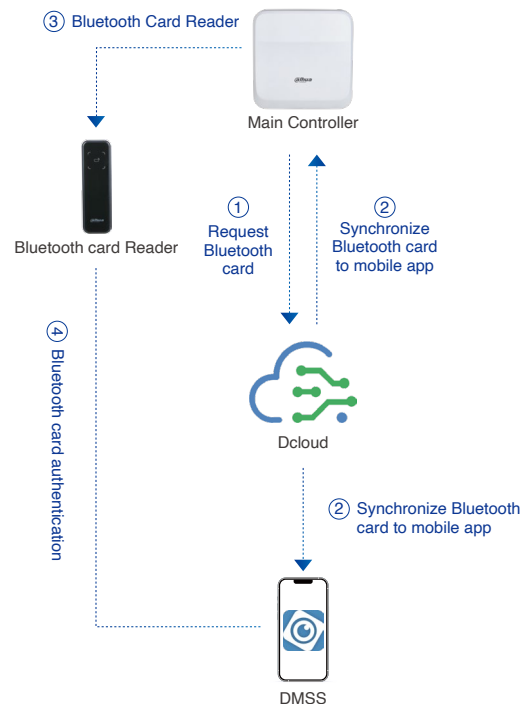
Bluetooth Configuration

Flexible Application Modes

3 distance modes and 2 trigger modes can be configured for different scenarios.



Convenient Configuration Process



Access Control

SMB Access Control Solution (SmartPSS Lite)



Central Management

Unified building management platform, integrating CCTV, access control, attendance, and intercom systems.



Complete Access Control

Offers user management, access control management, advanced rule configuration, and event linkage with CCTV.

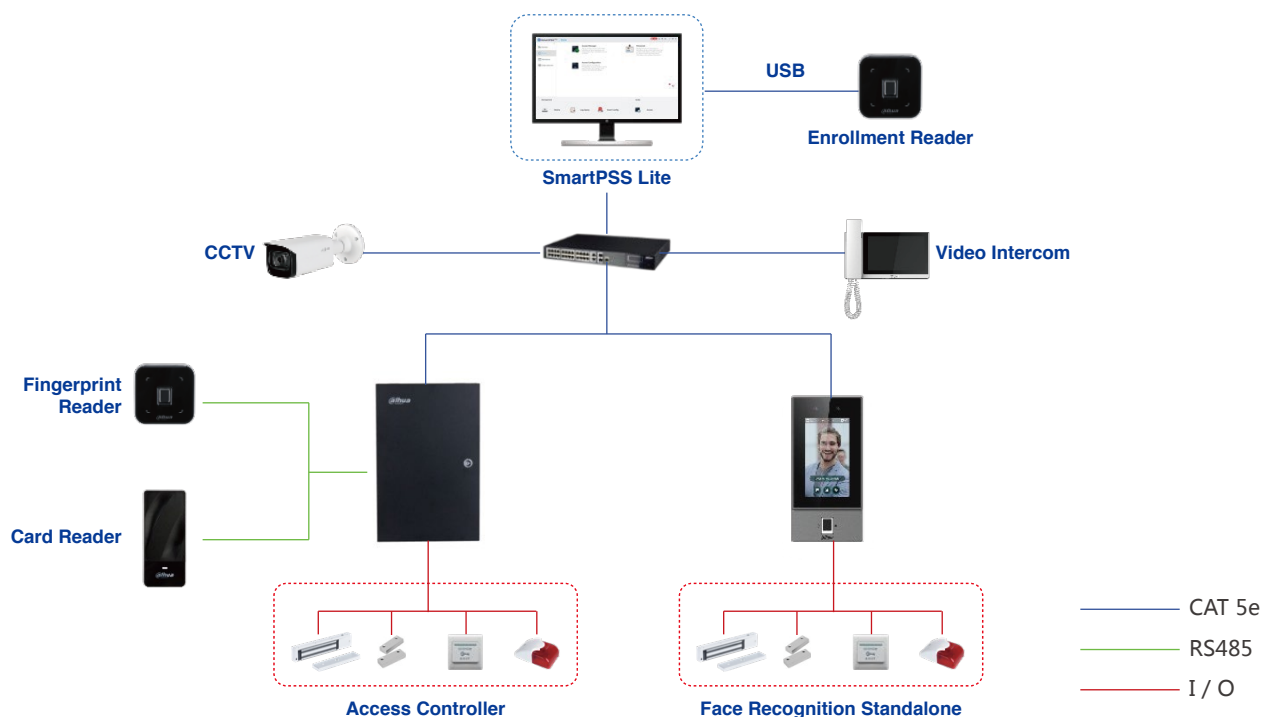


Free Platform

Use for free, SmartPSS Lite platform can max manage 64 devices/ 64 doors.

Topology

- Up to 64 devices / 64 doors



Platform: SmartPSS Lite



SmartPSS Lite is a lightweight platform that plays a core role in business and security for small and medium-sized businesses (SMB).

It offers video surveillance, video intercom, access control and various attendance functions.

System Requirements

CPU: i5-6500 and above

Memory: 8GB

HDD: 256GB

Resolution: 1280×800 and above

Operating system: Windows 7/8/10/11

	CCTV	Access Control	Attendance	Video Intercom
Capacity	Personnel Capacity	2,000		
	Video Channels	64		
	Access Channels	64 (Time attendance and doors)		
	Video Intercom	VTO+VTH+VTS = 512		
	Device Management	√		
General	Personnel Management	√		
	Access Control Management	√		
	Attendance Management	√		
	CCTV Management	√		
	Video Linkage	√		
	Event Linkage	√		

Access Control

Large Enterprise Level Access Control Solution (DSS)



Comprehensive Management

As a unified security platform designed for large scale projects, it supports video monitoring, access control, video intercom, alarm, AI features and more.



Complete Access Control

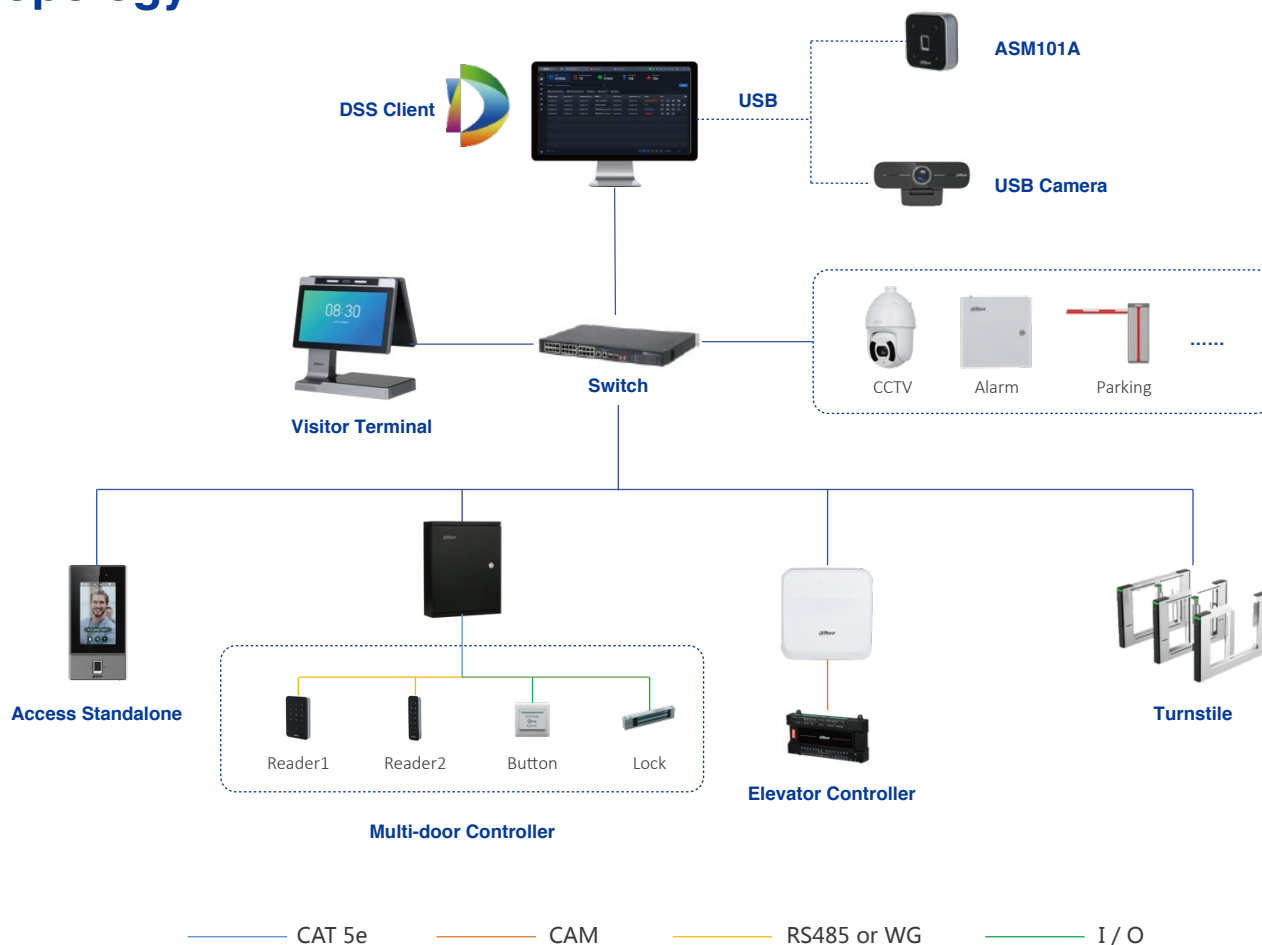
Offers user management, device management, advanced access control functions, and event linkage with CCTV systems.



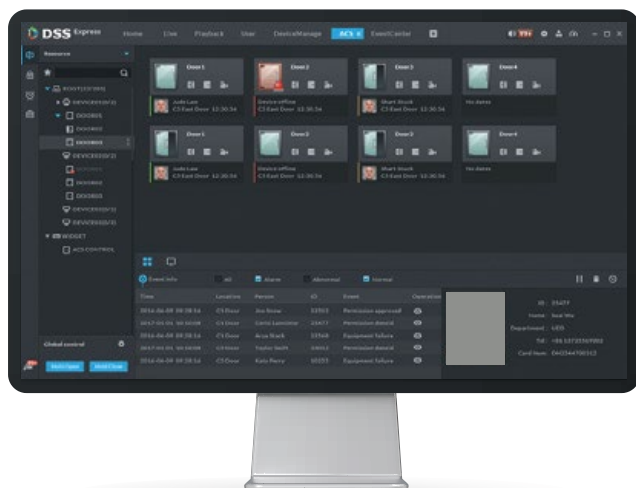
Visitor Management

Supports visitor QR code function to manage visitor's temporary access and ensure safety.

Topology



Platform



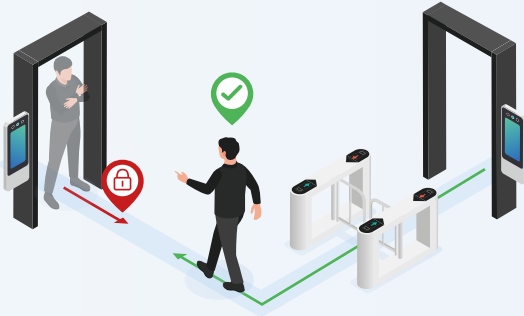
- Supports up to 500 terminals
- Video linkup
- Data import and export
- Attendance functionality
- Visitor Management

System Requirements (PC Client)

- CPU: Intel® Core i5-9500 @3.00 GHz
- Memory: 16GB
- Storage Disk: 100 GB free space for DSS Client
- Graphics Card: Intel® UHD Graphics 630
- Ethernet Port: 1000 Mbps
- Operating System: Microsoft® Windows 10 20H2 Pro (32-bit) and above

Advanced Access Control Functions

Anti-passback



Each user can only enter and exit the controlled area according to the prescribed path, avoiding unauthorized repeated entry or trailing entry.

Local

- 01** The access points are from 1 single access controller
- 02** Max. 16 anti-passback routes, each route can have 2 groups
- 03** Reset Time: 0-24hr

Global

- 01** The access points can be from multiple different controllers
- 02** Max. 16 anti-passback routes, each route can have 2-4 groups
- 03** Reset Time: 0-24hr

Multi-door Interlock

Only one door is open at a time to prevent unauthorized personnel from following or illegally entering high security areas.



Local

Doors in the same controller are interlocked

Global (within the group)

Doors in the same group are interlocked

Global (between the groups)

Doors interlock between different groups

Regional Person Statistics



It supports setting access point as a boundary to determine the scope of the area, enabling real-time monitoring and improving security and management efficiency.

Supports 3 categories of counting the number of people:

01 Person Entered

02 Person Exited

03 Persons Who Stayed in the Zone

Visitor Management

DSS provides a smooth, convenient and professional visitor management solution.



Appointment & Approval

Visitors can make an appointment by themselves or be invited by the house owner or by the administrator.



Arrival

Visitors gain access permissions automatically for door entrance, lift, parking lot and so on.



Leave

The platform will check access records, detect overstayed people and send notifications to them.

Solution Parts

Time Attendance

Standalone Time Attendance Solution

Network Time Attendance Solution (SmartPSS Lite)



Time Attendance

Standalone Time Attendance Solution



Easy Configuration by Web

For ASA2&3 series, there is a built-in webpage that can be accessed by PC and mobile phone.



Easy Usage by USB

Imports and exports data from the USB flash drive, such as personnel data, fingerprints, attendance and configurations.



High Reliability

The built-in battery can last up to 3 hours when it is fully charged (for GL model), in case of power outage.

Topology



Product Highlights

Easy Configuration on the Standalone

Method 1

Local Device

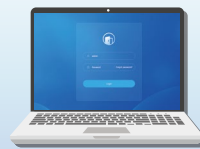
A series of configurations including personnel management, attendance rules, and access management can be done through the keypad.



Method 2

PC Web

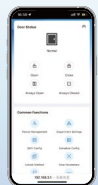
Users' info, time attendance rules, etc. can be directly managed on the product's PC web platform without installing additional software.



Method 3

Mobile Web

Supports enabling of Wi-Fi hotspot. Users can type the product IP in the mobile phone and log in to the web platform without using a laptop.



Multiple Attendance Methods

Supports password, fingerprint, IC card, and ID card options to meet various needs.



Easy Integration with Third Parties

Linux operating system. It supports API and SDK for convenient connection with third-party platforms.



Built-in Battery

The storage battery (available for -GL series) can support up to three hours of operation in the event of a power outage.



Easy Usage (USB)

Supports import/export of user information and time attendance records via USB, as well as upgrading of the firmware.

Time Attendance

Network Time Attendance Solution (SmartPSS Lite)



Central Management

Offers a unified building management platform that integrates CCTV, access control, attendance, and intercom systems, making it ideal for SMB scenarios.



Complete Time Attendance

Equipped with complete attendance function that supports fixed/flexible attendance, multiple report formats, and user customizations.

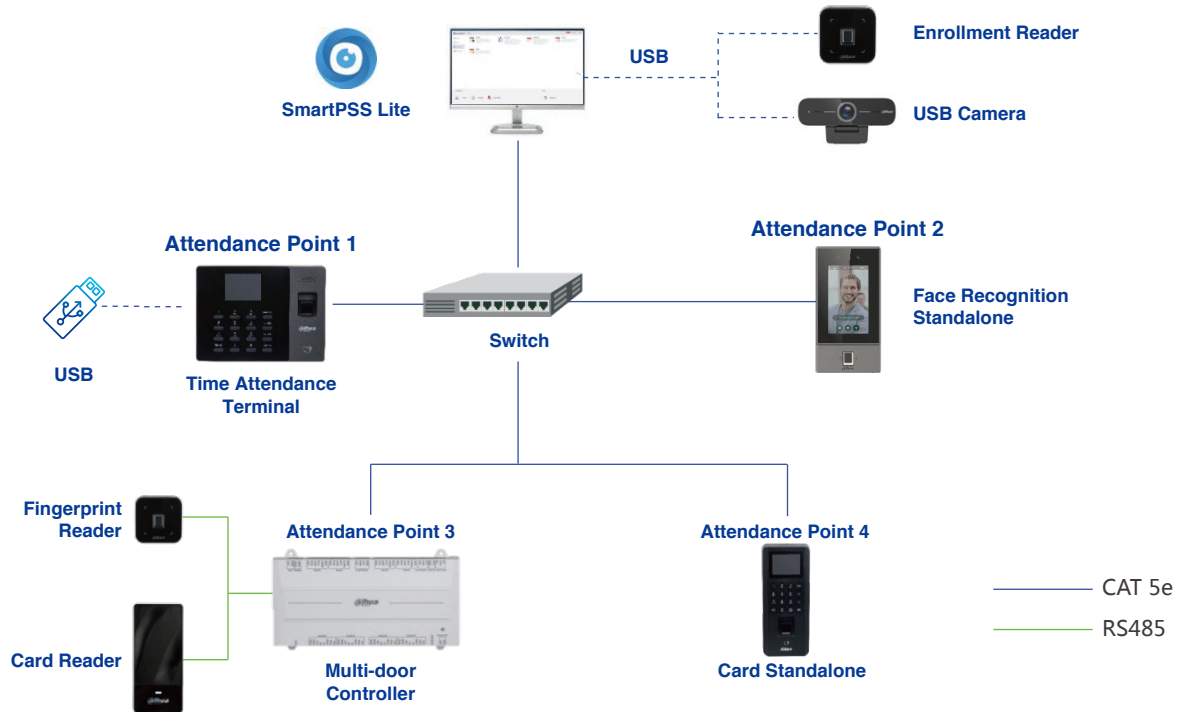


Free Platform

The SmartPSS Lite platform can manage up to 64 devices/64 doors, free of charge.

Topology

- Up to 64 devices / 64 doors



Platform: SmartPSS Lite Attendance Function



- Supported access and attendance channels: 64
- Supported number of people attendance: 2,000
- Supported languages: 20
- Attendance modes: Fixed & Flexible
- 32 number of attendance periods; 32 shifts; 32 schedules; 19 reports
- Database types: SQLite, MySQL, SQL Server, Oracle
- Free of charge

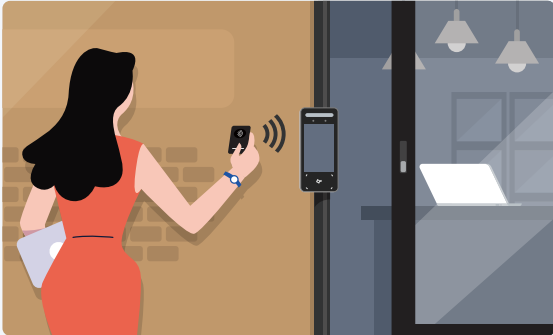
System Requirements

CPU: i5-6500 and above
 Memory: 8GB
 Resolution: 1280×800 and above
 Operating system: Windows 7/8/10/11
 HDD: 256GB

Solution Parts

Network Time Attendance Solution (SmartPSS Lite)

Attendance Modes



SmartPSS Lite supports 2 different attendance modes, meeting the needs of different companies and industries.

01. Fixed Attendance

Specific check in & check out time (e.g. 9am to 5pm).

02. Flexible Attendance

Flexible clock in time, as long as it meets the required working hours.

Custom Attendance Report

SmartPSS Lite supports 19 types of report templates, enabling users to customize the report according to their personalized needs.

1. Fields

Person Name	Date	Shift Name	Check In
Break Period	Actual Work	Valid Work	

2. Paper Type

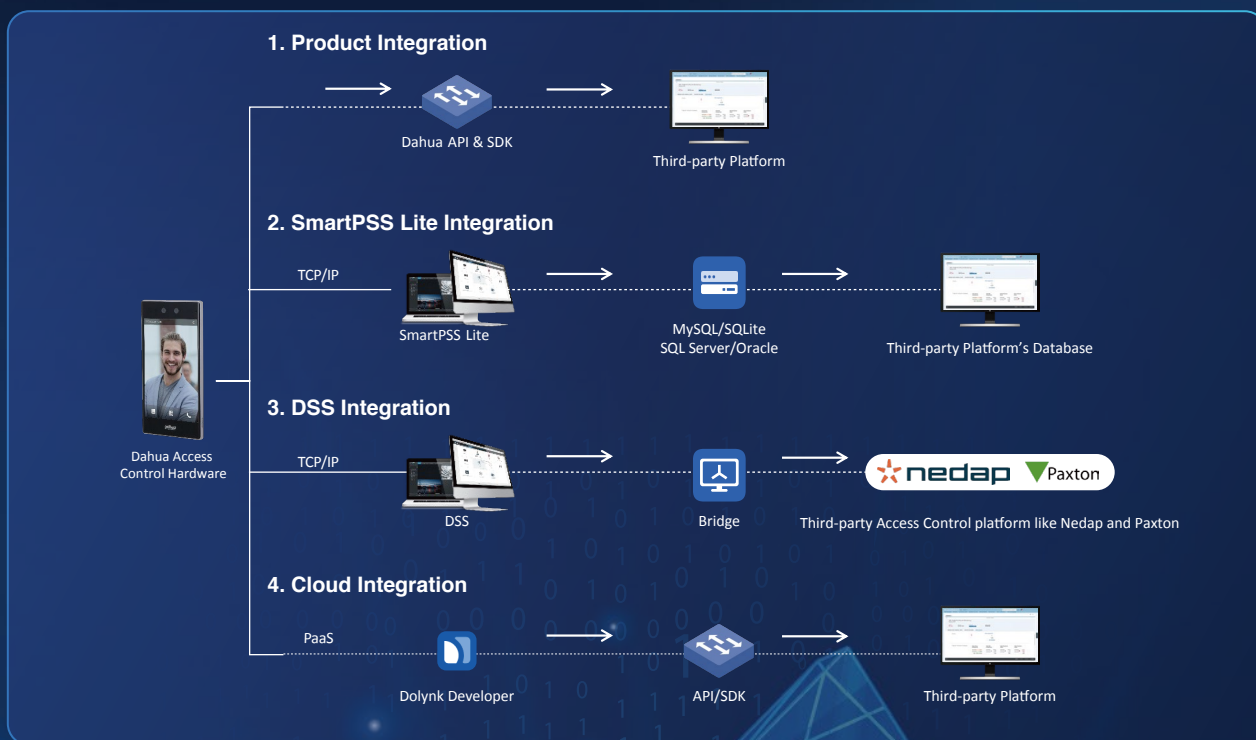
A1	A3	A4
----	----	----

3. Page Header

4. Page Footer

Third-party Integration

Dahua Access Control & Time Attendance terminals support integration with local third-party HR/payroll/comprehensive management systems around the world, providing multiple integration methods that can flexibly respond to the needs of different enterprises.



Product Selection

Face Recognition Standalone





Product Selection

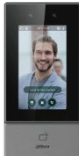
Face Recognition Standalone

Model	ASI3203E	ASI3203E-W	ASI3203E-DW	ASI3204E
Appearance				
Screen	2.4-inch display screen	2.4-inch display screen	2.4-inch display screen	2.4-inch display screen
Camera	2 MP CMOS Dual Cameras	2 MP CMOS Dual Cameras	2 MP CMOS Dual Cameras	2 MP CMOS Dual Cameras
Card Type	13.56 MHz Mifare Classic	13.56 MHz Mifare Classic	125 KHz ID card	13.56 MHz Mifare Classic
Communication	RS485 Or Wiegand Input/Output (26/34/66 bits)			
USB Port	USB 2.0	USB 2.0	USB 2.0	USB 2.0
Alarm in/out	—	—	—	—
User	1,000	1,000	1,000	1,000
Face Image	1,000	1,000	1,000	1,000
Fingerprint	—	—	—	3,000
Card	3,000	3,000	3,000	3,000
Password	1,000	1,000	1,000	1,000
Record	100,000	100,000	100,000	100,000
Recognition Speed	0.2S	0.2S	0.2S	0.2S
User Types	Common users, VIP users, patrol users, visitor users, blocklist users, other users, custom users 1 and custom users 2			
Time Period	128	128	128	128
Ethernet	TCP/IP	TCP/IP, Wi-Fi	TCP/IP, Wi-Fi	TCP/IP
Protection Level	—	—	—	—
Working Temperature	−10 °C to +45 °C	−10 °C to +45 °C	−10 °C to +45 °C	−10 °C to +45 °C
Power Supply	12V 2A	12V 2A	12V 2A	12V 2A

ASI3204E-W	ASI3204E-DW	ASI3213A-W	ASI3214A-W
		 	 
2.4-inch display screen	2.4-inch display screen	4.3-inch display screen	4.3-inch display screen
2 MP CMOS Dual Cameras	2 MP CMOS Dual Cameras	2 MP CMOS Dual Cameras	2 MP CMOS Dual Cameras
13.56 MHz Mifare Classic	125 KHz ID card	13.56 MHz Mifare Classic	13.56 MHz Mifare Classic
RS485 Or Wiegand Input/Output (26/34/66 bits)			
USB 2.0	USB 2.0	USB 2.0	USB 2.0
—	—	—	—
1,000	1,000	3,000	3,000
1,000	1,000	3,000	3,000
3,000	3,000	—	5,000
3,000	3,000	5,000	5,000
1,000	1,000	3,000	3,000
100,000	100,000	300,000	300,000
0.2S	0.2S	0.2S	0.2S
Common users, VIP users, patrol users, visitor users, blocklist users, other users, custom users 1 and custom users 2			
128	128	128	128
TCP/IP, Wi-Fi	TCP/IP, Wi-Fi	TCP/IP, Wi-Fi	TCP/IP, Wi-Fi
—	—	—	—
−10 °C to +45 °C	−10 °C to +45 °C	−10 °C to +40 °C	−10 °C to +40 °C
12V 2A	12V 2A	12V 1.5A	12V 1.5A

Product Selection

Face Recognition Standalone

Model	ASI3223A	ASI6213S	ASI6213S-D	ASI6213S-PW	ASI6213S-PW-V1
Appearance	    				
Screen	4.3" LCD touchscreen, 480 × 272				4.3" LCD touchscreen, 480 × 800
Camera	2-MP CMOS HD dual-lens camera				
Card Type	—	13.56 MHz Mifare Classic	125KHz ID card	13,56 MHz Mifare Classic(IC)	13,56 MHz Mifare Classic (IC)
Communication	RS485 Or Wiegand Input/Output (26/34/66 bits)				
USB Port	USB 2.0	USB 2.0	USB 2.0	USB 2.0	USB 2.0
Alarm in/out	—	1/1	1/1	1/1	1/1
User	2,000	6,000	6,000	6,000	6,000
Face Image	2,000	6,000	6,000	6,000	6,000
Fingerprint	—	—	—	—	—
Card	—	10,000	10,000	10,000	10,000
Password	2,000	6,000	6,000	6,000	6,000
Record	300,000	300,000	300,000	300,000	300,000
Recognition Speed	0.2S	0.2S	0.2S	0.2S	0.2S
User Types	Common users, VIP users, patrol users, visitor users , blocklist users, other users, custom users 1 and custom users 2				
Time Period	128	128	128	128	128
Ethernet	TCP/IP	TCP/IP	TCP/IP	TCP/IP, Wi-Fi	TCP/IP, Wi-Fi
Protection Level	—	IP65	IP65	IP65	IP65
Working Temperature	-10°C~+40°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C
Power Supply	12V 1.5A	12V 1.5A	12V 1.5A	12V 1.5A; POE	12V 2A; POE

ASI6214S	ASI6214S-D	ASI6214S-PW	ASI6213J-MW-V1
			
			
4.3" LCD touchscreen, 480 × 272	4.3" LCD touchscreen, 480 × 272	4.3" LCD touchscreen, 480 × 272	4.3" LCD touchscreen, 480 × 272
2-MP CMOS HD dual-lens camera	2-MP CMOS HD dual-lens camera	2-MP CMOS HD dual-lens camera	2MP CMOS high definition camera
13.56 MHz Mifare Classic	125 KHz ID card	13.56 MHz Mifare Classic	13.56 MHz Mifare Classic
RS485 Or Wiegand Input/Output (26/34/66 bits)			
USB 2.0	USB 2.0	USB 2.0	USB 2.0
1/1	1/1	1/1	1/1
6,000	6,000	6,000	20,000
6,000	6,000	10,000	20,000
6,000	—	6000	—
10,000	10,000	10,000	50,000
6,000	6,000	6,000	20,000
300,000	300,000	300,000	300,000
0.2S	0.2S	0.2S	0.2S
Common users, VIP users, patrol users, visitor users, blocklist users, other users, custom users 1 and custom users 2			
128	128	128	128
TCP/IP	TCP/IP	TCP/IP, Wi-Fi	TCP/IP, Wi-Fi
IP65	IP65	IP65	IP65
-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C
12V 1.5A	12V 1.5A	12V 1.5A; POE	12V 1.5A

Product Selection

Face Recognition Standalone

Model	ASI6214J-MFW-V1	ASI7213S-W	ASI7214S-W	ASI7213K-W
Appearance				
Screen	4.3" LCD touchscreen, 480 × 272	7" touchscreen, 1024x600	7" touchscreen, 1024x600	7" touchscreen, 1024x600
Camera	2MP CMOS high definition camera	2-MP dual-lens CMOS camera	2-MP dual-lens CMOS camera	2-MP CMOS HD dual-lens camera
Card Type	13.56 MHz Mifare Classic	13.56 MHz Mifare Classic	13.56 MHz Mifare Classic	13.56 MHz Mifare Classic
Communication	RS485, RS232 Wiegand Input/Output (26/34/66 bits)			
USB Port	USB 2.0	USB 2.0	USB 2.0	USB 2.0
Alarm in/out	1/1	2/1	2/1	1/1
User	20,000	50,000	50,000	50,000
Face Image	20,000	50,000	50,000	50,000
Fingerprint	10,000	—	10,000	—
Card	50,000	100,000	100,000	100,000
Password	20,000	50,000	50,000	50,000
Palm Veins	—	—	—	—
Record	300,000	300,000	300,000	300,000
Recognition Speed	0.2S	0.2S	0.2S	0.2S
User Types	Common users, VIP users, patrol users, visitor users, blocklist users, other users, custom users 1 and custom users 2			
Time Period	128	128	128	128
Ethernet	TCP/IP, Wi-Fi	TCP/IP, Wi-Fi	TCP/IP, Wi-Fi	TCP/IP, Wi-Fi
Protection Level	IP65	—	—	IP65
Working Temperature	-30 °C ~ +60 °C	-20°C~+55°C	-20°C~+55°C	-30 °C ~ +60 °C
Power Supply	12V 1.5A	12V 2A	12V 2A	12V 2A

ASI8213S-W-V1	ASI8214S-W-V1	ASI8213SA-W	ASI8216DA-W
			
8" touchscreen, 1280x800	8" touchscreen, 1280x800	8" touchscreen, 1280x800	8" touchscreen, 1280x800
2MP CMOS HD camera with WDR	2MP CMOS HD camera with WDR	2MP CMOS HD camera with WDR	2MP CMOS HD camera with WDR
13.56 MHz Mifare Classic	13.56 MHz Mifare Classic	13.56 MHz Mifare Classic	13.56 MHz Mifare Classic
RS485, RS232 Wiegand Input/Output (26/34/66 bits)			
USB 2.0	USB 2.0	USB 2.0	USB2.0 (Type-C)
2/2	2/2	2/2	2/2
100,000	100,000	100,000	100,000
100,000	100,000	100,000	100,000
—	10,000	—	—
500,000	500,000	500,000	500,000
100,000	100,000	100,000	100,000
—	—	—	20,000
300,000	300,000	300,000	300,000
0.2S	0.2S	0.2S	0.2S
Normal, VIP, patrol, guest, customized user 1, customized user 2 and more			
128	128	128	128
TCP/IP, Wi-Fi	TCP/IP, Wi-Fi	TCP/IP, Wi-Fi	TCP/IP, Wi-Fi
IP65	IP65	IP65	IP65
-30 °C ~ +60 °C	-30 °C ~ +60 °C	-30 °C ~ +60 °C	-30 °C ~ +60 °C
12V 2A	12V 2A	12V 2A	12V 2A

Product Selection

Access Control Standalone





Product Selection

Access Control Standalone

Model	ASI1201BL	ASI1201BL-D	ASI1201A-ME
Appearance			
Screen	—	—	STN display screen, 123 × 32
Casing Material	ABS	ABS	PC and ABS
Reader Format	13.56 MHz Mifare Classic	125 KHz ID card	125 KHz ID card; 13.56 MHz Mifare Classic
Communication	—	—	RS485 or Wiegand Input /Output (26/34/66 bits)
USB Port	—	—	—
Alarm In/Out	—	—	1/1
Users	3,000	3,000	30,000
Card Capacity	3,000	3,000	30,000
Fingerprint	—	—	—
Password	30,500 (500 public passwords)	30,500 (500 public passwords)	30,500 (500 public passwords)
Record Capacity	—	—	150,000
Card Reading Distance	0 cm–5 cm	0 cm–5 cm	IC card: 0 cm–6 cm ID card: 0 cm–3 cm
Users Roles	General card	General card	Normal user
Time Plans	—	—	128
Ethernet	—	—	TCP/IP
Mobile Web	—	—	—
Ingress Protection	—	—	—
Working Temperature	-30°C to +60°C	-30°C to +60°C	-10 °C to +55 °C
Power Supply	DC 12 V 2 A	DC 12 V 2 A	DC 12 V 2 A

ASI1201E-V1	ASI1201E-D-V1	ASI1212F
		
—	—	2.8 inch TFT touch screen, 240 × 320
PC	PC	PC+ABS
13.56 MHz Mifare Classic	125 KHz ID card	13.56 MHz Mifare Classic
RS485 Or Wiegand Input/Output (26/34/66 bits)		
—	—	USB 2.0
—	—	1/1
30,000	30,000	30,000
30,000	30,000	30,000
—	—	3,000
30,500 (500 public passwords)	30,500 (500 public passwords)	—
600,000	600,000	15,000
0 cm–6 cm	0 cm–6 cm	1–3cm
Normal user	Normal user	General user/VIP/patrol user /guest/blocklist user/special user
128	128	128
TCP/IP	TCP/IP	TCP/IP, Wi-Fi
—	—	—
—	—	—
-30°C to +60°C	-30°C to +60°C	-10°C to +45°C
DC 12 V 2 A	DC 12 V 2 A	12V 1A

Product Selection

Access Control Standalone

Model	ASI1212F-D	ASI1201M-ME	ASI1201M-MEW	ASI1201M-MEP
Appearance				
Screen	2.8 inch TFT touch screen, 240 × 320	—	—	—
Casing Material	PC+ABS	PC and zinc alloy	PC and zinc alloy	PC and zinc alloy
Reader Format	125 KHz ID card	125 KHz ID card; 13.56 MHz Mifare Classic	125 KHz ID card; 13.56 MHz Mifare Classic	125 KHz ID card; 13.56 MHz Mifare Classic
Communication	RS485 Or Wiegand Input/Output (26/34/66 bits)			
USB Port	USB 2.0	—	—	—
Alarm In/Out	1/1	2/1	2/1	2/1
Users	30,000	10,000	10,000	10,000
Card Capacity	30,000	10,000	10,000	10,000
Fingerprint	3,000	—	—	—
Password	—	10,000	10,000	10,000
Record Capacity	15,000	100,000	100,000	100,000
Card Reading Distance	1–3cm	0–3 cm	0–3 cm	0–3 cm
Users Roles	Normal, VIP, patrol, guest, blocklist, and other users, custom user 1 and custom user 2			
Time Plans	128	128	128	128
Ethernet	TCP/IP, Wi-Fi	TCP/IP	TCP/IP, Wi-Fi	TCP/IP, Wi-Fi
Mobile Web	—	Support	Support	Support
Ingress Protection	—	IP65, IK08	IP65, IK08	IP65, IK08
Working Temperature	-10°C to +45°C	-30°C to +60°C	-30°C to +60°C	-30°C to +60°C
Power Supply	12V 1A	12V 1.5A	12V 1.5A	12V 1.5A

ASI1212M	ASI1212M-W	ASI1212M-DW	ASI1212M-P
			
—	—	—	—
PC and zinc alloy	PC and zinc alloy	PC and zinc alloy	PC and zinc alloy
13.56 MHz Mifare Classic	13.56 MHz Mifare Classic	125 KHz ID card	13.56 MHz Mifare Classic
RS485 Or Wiegand Input/Output (26/34/66 bits)			
—	—	—	—
2/1	2/1	2/1	2/1
10,000	10,000	10,000	10,000
10,000	10,000	10,000	10,000
3,000	3,000	3,000	3,000
10,000	10,000	10,000	10,000
100,000	100,000	100,000	100,000
0–3 cm	0–3cm	0–3cm	0–3cm
Normal, VIP, patrol, guest, blocklist, and other users, custom user 1 and custom user 2			
128	128	128	128
TCP/IP,	TCP/IP, Wi-Fi	TCP/IP, Wi-Fi	TCP/IP
Support	Support	Support	Support
IP65, IK08	IP65, IK08	IP65, IK08	IP65, IK08
-30°C to +60°C	-30°C to +60°C	-30°C to +60°C	-30°C to +60°C
12V 1.5A	12V 1.5A	12V 1.5A	12V 1.5A ,PoE

Product Selection

Access Control Standalone

Model	ASI2212J	ASI2212J-D	ASI2212J-PW	ASI2212J-DPW
Appearance				
Screen	2.4" LCD display screen, 240 × 320	2.4" LCD display screen, 240 × 320	2.4" LCD display screen, 240 × 320	2.4" LCD display screen, 240 × 320
Casing Material	PC+ABS	PC+ABS	PC+ABS	PC+ABS
Reader Format	13.56 MHz Mifare Classic	125 KHz ID card	13.56 MHz Mifare Classic	125 KHz ID card
Communication	RS485 Or Wiegand Input/Output (26/34/66 bits)			
USB Port	USB 2.0	USB 2.0	USB 2.0	USB 2.0
Alarm In/Out	1/1	1/1	2/2	2/2
Users	5,000	5,000	30,000	30,000
Card Capacity	5,000	5,000	30,000	30,000
Fingerprint	3,000	3,000	5,000	5,000
Password	5,000	5,000	30,000	30,000
Record Capacity	100,000	100,000	100,000	100,000
Card Reading Distance	0 cm–6 cm	0 cm–6 cm	0 cm–6 cm	0 cm–6 cm
Users Roles	General user, VIP user, patrol user, guest user, blocklist user and others			
Time Plans	128	128	128	128
Ethernet	TCP/IP	TCP/IP	TCP/IP, Wi-Fi	TCP/IP, Wi-Fi
Mobile Web	—	—	—	—
Ingress Protection	—	—	—	—
Working Temperature	–10 °C to +55 °C	–10 °C to +55 °C	–10 °C to +55 °C	–10 °C to +55 °C
Power Supply	12V	12V	12V, PoE	12V, PoE

ASI2201H-W	ASI2201H-DW	ASI2212H-W	ASI2212H-DW
			
2.4" LCD display screen, 240 × 320	2.4" LCD display screen, 240 × 320	2.4" LCD display screen, 240 × 320	2.4" LCD display screen, 240 × 320
PC + ABS/acrylic panel	PC + ABS/acrylic panel	PC + ABS	PC + ABS
13.56 MHz Mifare Classic	125 KHz ID card	13.56 MHz Mifare Classic	125 KHz ID card
RS485, RS232, Wiegand Input/Output (26/34/66 bits)			
USB 2.0	USB 2.0	USB 2.0	USB 2.0
2/1	2/1	2/1	2/1
30,000	30,000	30,000	30,000
30,000	30,000	30,000	30,000
—	—	3,000	3,000
30,000	30,000	30,000	30,000
150,000	150,000	150,000	150,000
0-5 cm	0-5 cm	0-5 cm	0-5 cm
General user, VIP user, patrol user, guest user, blocklist user and others			
128	128	128	128
TCP/IP, Wi-Fi	TCP/IP, Wi-Fi	TCP/IP, Wi-Fi	TCP/IP, Wi-Fi
—	—	—	—
IP65	IP65	IP65	IP65
−30 °C to +65 °C	−30 °C to +65 °C	−30 °C to +65 °C	−30 °C to +65 °C
12V 1A	12V 1A	12V 1A	12V 1A

Product Selection

Access Controller





Product Selection

Access Controller

Model	ASC2202B-S	ASC2202B-D	ASC2204B-S	ASC2202C-S
Appearance				
Control mode	2-door 1-way	2-door 2-way	4-door 1-way	2-door 1-way
Reader	2*RS-485 card readers 2*Wiegand card readers	4*RS-485 card readers 4*Wiegand card readers	4*RS-485 card readers 4*Wiegand card readers	2*RS-485 card reader 2*Wiegand card reader
Casing Material	PC+ABS	PC+ABS	PC+ABS	SECC steel board
Exit Buttons	2	2	4	2
Door Sensors	2	2	4	2
Alarm In/Out	2/2	4/4	1/1	2/2
Users	100,000	100,000	100,000	100,000
Record Capacity	500,000	500,000	500,000	500,000
User Roles	General user, VIP user, patrol user, guest user, blocklist user and others			
Time Plans	128	128	128	128
Holiday Schedules	128	128	128	128
Alarm Types	Door Time Out, Intrusion, Duress, Tamper, Anti-passback, Illegal Card Exceeding Threshold, Duress Fingerprint			
Ethernet	10/100Mbps	10/100Mbps	10/100Mbps	10/100Mbps
Platform	DSS Pro; SmartPSS Lite	DSS Pro; SmartPSS Lite	DSS Pro; SmartPSS Lite	DSS Pro; SmartPSS Lite
Accumulator Battery	—	—	—	Max. 12V/7Ah (Not included)
Built-in Web	—	—	—	—
Working Temperature	−30°C to +60°C	−30°C to +60°C	−30°C to +60°C	−30°C to +60°C
IP Rating	IP20, IK04	IP20, IK04	IP20, IK04	IP20, IK04
Power Supply	DC 12V, PoE	DC 12V, PoE	DC 12V, PoE	100-240 V AC

ASC2202C-D	ASC2204C-S	ASC2204C-D	ASC2208C-S
			
2-door 2-way	4-door 1-way	4-door 2-way	8-door 1-way
4*RS-485 card reader 4*Wiegand card reader	4*RS-485 card reader 4*Wiegand card reader	8*RS-485 card reader 8*Wiegand card reader	8*RS-485 card reader 8*Wiegand card reader
SECC steel board	SECC steel board	SECC steel board	SECC steel board
2	4	4	4
2	4	4	4
6/4	6/4	8/8	8/8
100,000	100,000	100,000	100,000
500,000	500,000	500,000	500,000
General user, VIP user, patrol user, guest user, blocklist user and others			
128	128	128	128
128	128	128	128
Door Time Out, Intrusion, Duress, Tamper, Anti-passback, Illegal Card Exceeding Threshold, Duress Fingerprint			
10/100Mbps	10/100Mbps	10/100Mbps	10/100Mbps
DSS Pro; SmartPSS Lite	DSS Pro; SmartPSS Lite	DSS Pro; SmartPSS Lite	DSS Pro; SmartPSS Lite
Max. 12V/7Ah (Not included)			
—	—	—	—
−30°C to +60°C	−30°C to +60°C	−30°C to +60°C	−30°C to +60°C
IP20, IK04	IP20, IK04	IP20, IK04	IP20, IK04
100-240 V AC	100-240 V AC	100-240 V AC	100-240 V AC

Product Selection

Access Controller

Model	ASC3202B	
Appearance	 	
Device	Main Controller	Sub Controller
Control mode	2-door 1-way or 1-door 2-way	
Reader	2*RS-485 card readers; 2*Wiegand card readers	
Casing Material	PC+ABS	
IP Rating	IK06	
Exit Buttons	2	
Door Sensors	2	
Alarm In/Out	2/2	
Users	1,000	10,000
Record Capacity	300,000	
User Roles	General, Patrol, Blocklist, VIP, Guest and other users	
Time Plans	128	
Holiday Schedules	128	
Alarm Types	Tamper, Duress, Door Sensor Time Out, Intrusion, Illegal Card Exceeding Threshold, Duress Fingerprint	
Ethernet	10/100Mbps	
Platform	Main Controller	DSS Pro; SmartPSS Lite; Main Controller
Accumulator Battery	—	
Built-in Web	Support	
Working Temperature	-10 °C to +55 °C	
Power Supply	DC 12V 2.5 A , PoE	

Model	ASC4201B-D	ASC4202B-D	ASC4204B-S	ASC4201C-D
Appearance				
Control mode	1-door 2-way	2-door 2-way	4-door 1-way	1-door 2-way
Reader	2*RS-485 card readers 2*Wiegand card readers	4*RS-485 card readers 4*Wiegand card readers	4*RS-485 card readers 4*Wiegand card reader	2*RS-485 card reader 2*Wiegand card reader
Casing Material	PC+ABS	PC+ABS	PC+ABS	SGCC galvanized
Exit Buttons	1	2	4	1
Door Sensors	1	2	4	1
Alarm In/Out	4/3	4/4	1/1	7/4
Users	100,000	100,000	100,000	100,000
Record Capacity	500,000	500,000	500,000	500,000
User Roles	General user, VIP user, patrol user, guest user, blocklist user, other users, custom user 1 and custom user 2			
Time Plans	128	128	128	128
Holiday Schedules	128	128	128	128
Alarm Types	Door Time Out, Intrusion, Duress, Tamper, Anti-passback, Illegal Card Exceeding Threshold, Duress Fingerprint			
Ethernet	10/100Mbps	10/100Mbps	10/100Mbps	10/100Mbps
Platform	DSS Pro; SmartPSS Lite	DSS Pro; SmartPSS Lite	DSS Pro; SmartPSS Lite	DSS Pro; SmartPSS Lite
Accumulator Battery	—	—	—	Max. 12V/7Ah (Not included)
Built-in Web	Yes	Yes	Yes	Yes
Working Temperature	−30°C to +60°C	−30°C to +60°C	−30°C to +60°C	−30°C to +60°C
IP Rating	—	—	—	IP20, IK04
Power Supply	DC 12V, PoE	DC 12V, PoE	DC 12V, PoE	100-240 V AC

Product Selection

Access Controller

Model	ASC4202C-D	ASC4204C-D
Appearance		
Control mode	2-door 2-way	4-door 2-way
Reader	2*RS-485 card readers; 2*Wiegand card readers	8*RS-485 card readers; 8*Wiegand card readers
Casing Material	SGCC galvanized	SGCC galvanized
Exit Buttons	2	4
Door Sensors	2	4
Alarm In/Out	7/4	5/4
Users	100,000	100,000
Record Capacity	500,000	500,000
User Roles	General user, VIP user, patrol user, guest user, blocklist user, other users, custom user 1 and custom user 2	
Time Plans	128	128
Holiday Schedules	128	128
Alarm Types	Door Time Out, Intrusion, Duress, Tamper, Anti-passback, Illegal Card Exceeding Threshold, Duress Fingerprint	
Ethernet	10/100Mbps	10/100Mbps
Platform	DSS Pro; SmartPSS Lite	DSS Pro; SmartPSS Lite
Accumulator Battery	Max. 12V/7Ah (Not included)	Max. 12V/7Ah (Not included)
Built-in Web	Yes	Yes
Working Temperature	-30°C to +60°C	-30°C to +60°C
IP Rating	—	—
Power Supply	100-240 V AC	100-240 V AC

Product Selection

Card Readers



Product Selection

Card Readers

Model	ASR1200E	ASR1200E-D	ASR1101M-V1	ASR1101M-D-V1
Appearance				
Size	97.0 mm × 44.0 mm × 17.0 mm		110 mm × 85 mm × 26 mm	
Casing Material	ABS		Zinc alloy	
Reader Format	13.56 MHz Mifare Classic	125 KHz ID card	13.56 MHz Mifare Classic	125 KHz ID card
Card Capacity	Supported		Supported	
Password Input	—		Supported	
Fingerprint Capacity	—		—	
QR Code Capacity	—		—	
Bluetooth Capacity	—		—	
Communication	RS485, Wiegand 34/26		RS485, Wiegand 34/26	
Alarm Types	Tamper		Tamper	
Keypad	—		Mechanical button	
Indications	Blue Backlight, Buzzer		Blue Backlight, Buzzer	
Card Reading Distance	0 cm–5 cm		0 cm–3 cm	
Ingress Protection	IP66		IK08	
Working Environment	-30°C~+65°C		-10 °C to +55 °C	
Power Supply	DC 12 V 0.5 A		DC 9–15 V 100 mA	

ASR1102A(V3)		ASR1102A-D(V3)		ASR1100B-V1		ASR1100B-D-V1	
							
165.5 mm × 56.6 mm × 29 mm		102 mm × 72 mm × 18 mm					
ABS		PC + ABS					
13.56 MHz Mifare Classic	125 KHz ID card	13.56 MHz Mifare Classic	125 KHz ID card	13.56 MHz Mifare Classic	125 KHz ID card	13.56 MHz Mifare Classic	125 KHz ID card
Supported		Supported					
—		—					
Supported		—					
—		—					
—		—					
RS485, Wiegand 34/26		RS485, Wiegand 34/26					
Tamper		Tamper					
—		—					
Blue Backlight, Buzzer		Blue Backlight, Buzzer					
0 cm–5 cm		0 cm–3 cm					
—		IP67					
–10 °C to +55 °C		–30 °C to +60 °C					
DC 9–15 V 100 mA		DC 9–15 V 100 mA					

Product Selection

Card Readers

Model	ASR2100H	ASR2100H-D	ASR2101H	ASR2101H-D
Appearance				
Size	127 mm × 46 mm × 20 mm		127 mm × 46 mm × 20 mm	
Casing Material	PC + ABS		PC + ABS	
Reader Format	13.56 MHz Mifare Classic	125 KHz ID card	13.56 MHz Mifare Classic	125 KHz ID card
Card Capacity	Supported		Supported	
Password Input	—		—	
Fingerprint Capacity	—		Supported	
QR Code Capacity	—		—	
Bluetooth Capacity	—		—	
Communication	RS485, Wiegand 34/26		RS485, Wiegand 34/26	
Alarm Types	Tamper		Tamper	
Keypad	—		Mechanical button	
Indications	Blue Backlight, Buzzer		Blue Backlight, Buzzer	
Card Reading Distance	0 cm—8 cm		0 cm—8 cm	
Ingress Protection	IP66		IP66	
Working Environment	−30 °C to +70 °C		−30 °C to +70 °C	
Power Supply	DC 12 V 0.5 A		DC 12 V 0.5 A	

ASR2200A	ASR2200A-D	ASR2200A-B	ASR2201A	ASR2201A-D
				
135 mm × 40 mm × 15 mm			135 mm × 40 mm × 15 mm	
Tempered glass/PC			Tempered glass/PC	
13.56 MHz Mifare Classic	125 KHz ID card	13.56 MHz Mifare Classic	13.56 MHz Mifare Classic	125 KHz ID card
Supported			Supported	
—			Supported	
—			—	
—			—	
—	—	Supported	—	
RS485, Wiegand 34/26			RS485, Wiegand 34/26	
Tamper			Tamper	
—			Touch keypad	
Blue Backlight, Buzzer			Blue Backlight, Buzzer	
0 cm–5 cm			0 cm–5 cm	
IP66			IP66	
–30 °C to +70 °C			–30 °C to +70 °C	
DC 12 V 0.5 A			DC 12 V 0.5 A	

Product Selection

Card Readers

Model	ASR2100A	ASR2100A-D	ASR2100A-ME
Appearance	  		
Size	123 mm × 86 mm × 15 mm		
Casing Material	PC/acrylic panel		
Reader Format	13.56 MHz Mifare Classic	125 KHz ID card	13.56 MHz Mifare Classic, 125 KHz ID card
Card Capacity	Supported		
Password Input	—		
Fingerprint Capacity	—		
QR Code Capacity	—		
Bluetooth Capacity	—		
Communication	RS485, Wiegand 34/26		
Alarm Types	Tamper		
Keypad	—		
Indications	Blue Backlight, Buzzer		
Card Reading Distance	0 cm–5 cm		
Ingress Protection	IP66		
Working Environment	–30 °C to +70 °C		
Power Supply	DC 12 V 0.5 A		

Model	ASR2101A	ASR2101A-D	ASR2101A-ME
Appearance	  		
Size	123 mm × 86 mm × 15 mm		
Casing Material	PC/acrylic panel		
Reader Format	13.56 MHz Mifare Classic	125 KHz ID card	13.56 MHz Mifare Classic, 125 KHz ID card
Card Capacity	Supported		
Password Input	Supported		
Fingerprint Capacity	—		
QR Code Capacity	—		
Bluetooth Capacity	—		
Communication	RS485, Wiegand 34/26		
Alarm Types	Tamper		
Keypad	Touch keypad		
Indications	Blue Backlight, Buzzer		
Card Reading Distance	0 cm–5 cm		
Ingress Protection	IP66		
Working Environment	–30 °C to +70 °C		
Power Supply	DC 12 V 0.5 A		

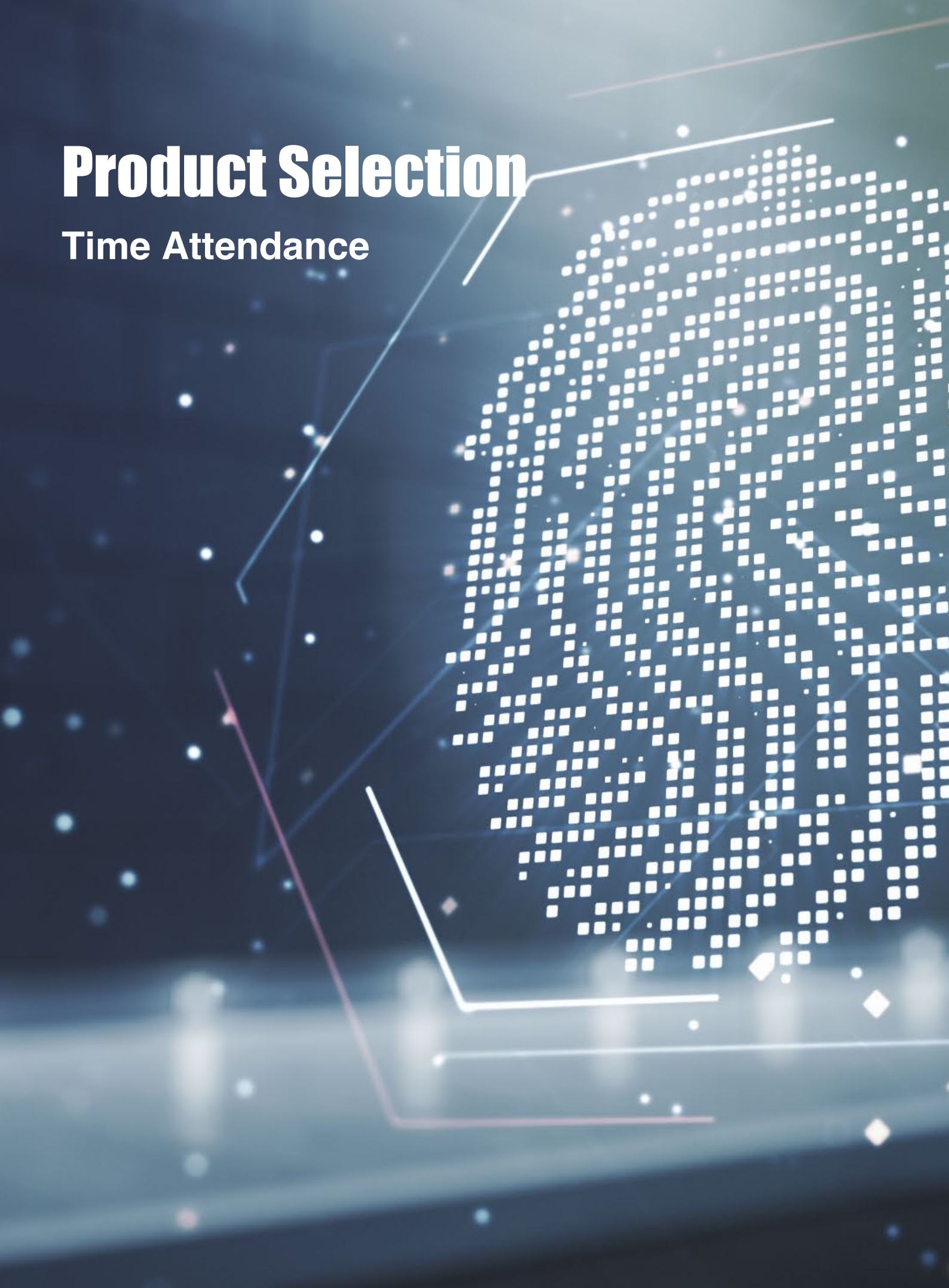
Product Selection

Card Readers

Model	ASR2102A	ASR2102A-D
Appearance		
Size	70 mm × 70 mm × 26 mm	70 mm × 70 mm × 26 mm
Casing Material	PC/acrylic panel	PC/acrylic panel
Reader Format	13.56 MHz Mifare Classic	125 KHz ID card
Card Capacity	Supported	Supported
Password Input	—	—
Fingerprint Capacity	3,000	3,000
QR Code Capacity	—	—
Bluetooth Capacity	—	—
Communication	RS485, Wiegand 34/26	RS485, Wiegand 34/26
Alarm Types	Tamper	Tamper
Keypad	—	—
Indications	Blue Backlight, Buzzer	Blue Backlight, Buzzer
Card Reading Distance	0 cm–3 cm	0 cm–3 cm
Ingress Protection	IP65	IP65
Working Environment	–20°C to +65°C	–20°C to +65°C
Power Supply	DC 12 V 0.5 A	DC 12 V 0.5 A

Product Selection

Time Attendance



Product Selection

Time Attendance

Model	ASA1222E	ASA1222E-S
Appearance		
Screen	2.4" TFT display screen, 320 × 240	2.4" TFT display screen, 320 × 240
Casing material	PC+ABS	PC+ABS
Camera	—	—
Reader Format	—	—
USB Port	USB 2.0	USB 2.0
Users	1,000	1,000
Card Capacity	—	—
Fingerprint	2,000	2,000
Password	1,000	1,000
Record Capacity	100,000	100,000
Door control	—	—
Card Reading Distance	—	—
Schedule Setting	24 shifts	24 shifts
Ethernet	—	TCP/IP
Battery	—	—
Working Temperature	−10 °C to +55 °C	−10 °C to +55 °C
Power Supply	DC 5V 1A	DC 5V 1A

ASA2212GL	ASA2212GL-D	ASA2212GL-MEW	ASA3223A-W
			
2.4" TFT display screen, 320 × 240	2.4" TFT display screen, 320 × 240	2.4" TFT display screen, 320 × 240	4.3" LCD Touchscreen, 480 × 272
PC+ABS	PC+ABS	PC+ABS	PC+ABS
—	—	—	2-MP CMOS HD dual-lens camera
13.56 MHz Mifare Classic	13.56 MHz Mifare Classic	13.56 MHz Mifare Classic	—
USB 2.0	USB 2.0	USB 2.0	USB 2.0
3,000	3,000	3,000	2,000
3,000	3,000	3,000	—
3,000	3,000	3,000	2,000
3,000	3,000	3,000	2,000
100,000	100,000	100,000	100,000
1 channel	1 channel	1 channel	1 channel
0 cm–3 cm	0 cm–3 cm	0 cm–3 cm	0 cm–5 cm
24 shifts	24 shifts	24 shifts	24 shifts
TCP/IP	TCP/IP	TCP/IP, Wi-Fi	TCP/IP, Wi-Fi
Lithium battery	Lithium battery	Lithium battery	—
–10 °C to +55 °C	–10 °C to +55 °C	–10 °C to +55 °C	–10 °C to +40 °C
DC 12 V 1A	DC 12 V 1A	DC 12 V 1A	DC 12 V 1.5A

Product Selection

Accessories



Model	ASF180A-V1	ASF180A-B-V1	ASF280A-V1	ASF280B-V1	ASF280A	ASF280B	ASF500A	ASF500B
Appearance								
Product Type	Magnetic lock							
Casing Material	Aluminum alloy							
Thickness	5 cm–15 cm	5 cm–15 cm	5 cm–15 cm	5 cm–15 cm	—	—	—	—
NO/NC	Power on-NC							
Door Status Detection	Single Door, Relay	Double Door, Relay	Single Door, Relay	Double Door, Relay	Single Door, Relay	Double Door, Relay	Single Door, Relay	Double Door, Relay
Max Tension	180 kg	180 kg	280 kg	280 kg	280 kg	280 kg	500 kg	500 kg
Power Supply	DC 12 V, 370 mA	DC 12 V, 370 mA	DC 12 V, 510 mA	DC 12 V, 510 mA	DC 12V /24V	DC 12V /24V	DC 12V /24V	DC 12V /24V

Model	DHI-ASF180L-V1	DHI-ASF180U-V1	DHI-ASF180ZL-V1	DHI-ASF280L-V1	DHI-ASF280U-V1	DHI-ASF280ZL-V1
Appearance						
Product Type	Magnetic Lock Bracket					
Note	For ASF180A-V1 or ASF180B-V1	For ASF180A-V1 or ASF180B-V1	For ASF180A-V1 or ASF180B-V1	For ASF180A-V1 or ASF180B-V1	For ASF280A-V1 or ASF280B-V1	For ASF280A-V1 or ASF280B-V1

Model	ASF280L	ASF280U	ASF280ZL	ASF280F	ASF500L	ASF500ZL
Appearance						
Product Type	Magnetic Lock Bracket					
Note	For ASF280A or ASF280B	For ASF280A or ASF280B	For ASF280A or ASF280B	For ASF280A or ASF280B	For ASF500A or ASF500B	For ASF500A or ASF500B

Product Selection

Accessories

Model	ASF802	ASF808	ASF601A	ASF702	ASF705	ASF102S
Appearance						
Product Type	Electric bolt		Mute Locks	Electric strike		Door Closers
Power On	NC	NC	NC	—	—	
Power Off	—	—	Off-Keep Status	locks door	locks door	
Door Thickness	>50mm	10-12mm	>35mm	—	—	
Power Supply	DC12V	DC12V	DC12V	DC12V	DC12V	

Model	ASF7K-F	ASF7K-Q	ASF7K-FQ	DEE1010B-S2	ASM101A	ASM202	ASM100/-D
Appearance							
Product Type	Fingerprint Access Control Extension Module	QR Code Access Control Extension Module	QR Code Fingerprint Access Control Extension Module	Access Control Security Module	Fingerprint Enrollment Reader	Fingerprint Enrollment Reader	Card Enrollment Reader
Casing Material	Metal; plastic; acrylic plate			—	PC/acrylic panel	—	—
Reader Format	—	—	—	—	13.56 MHz Mifare Classic, 125 KHz ID card	—	13.56 MHz Mifare Classic, 125 KHz ID card
Communication	Type-C port	Type-C port	Type-C port	RS-485 communication	USB communication	USB communication	USB communication
Working Temperature	−30 °C ~ +60 °C	−30 °C ~ +60 °C	−30 °C ~ +60 °C	−10 °C ~ +60 °C	−20°C ~ +65°C	0°C ~+55°C	−30°C ~ +60°C
Power Supply	5 VDC, 1 A	5 VDC, 1 A	5 VDC, 1 A	DC 12V 1A	DC 5V 0.5A	DC 3.8–7	DC 5V/100mA
Ingress Protection	IP65	IP65	IP65	—	—	—	—
Description	Work with ASI7213K-W			—	—	—	—

Model	IC-S50	IC-M1	IC-SM	IC-M1B	DF-EV3C	ID-EM	ID-SM	ID-M1B
Appearance								
Product Type	IC Card	IC Card	IC Card	IC Card	DESFire Card	ID Card	ID Card	ID Card
Card Reading Frequency	13.56 MHz	13.56 MHz	13.56 MHz	13.56 MHz	13.56 MHz	125 KHz	125 KHz	125 KHz
Size (mm)	86 × 54 × 1	85 × 55 × 1	40 × 32 × 3	32 × 32 × 3	85.5 × 54	86 × 54 × 1	40 × 32 × 3	32 × 32 × 3

Model	ASF900	ASF905	ASF908	ASF921
Appearance				
Product Type	Exit Button	Exit Button	Exit Button	Emergency Button
Casing Material	Plastic	Stainless steel	Stainless steel	Plastic
Size (mm)	86 × 86 × 25	91 × 28 × 25	86 × 86 × 25	86 × 86 × 50
Working Temperature	-30 °C to +60 °C	-30 °C to +60 °C	-30 °C to +60 °C	-20 °C~+55 °C

Model	ASF053-ZJ	ASF053-LD1A	ASF053H-ZM
Appearance			
Product Type	Turnstile Bracket	Ground Installation Bracket	Desktop Bracket
Compatible With	ASI621xS ASI621xJ & 6J-V1 ASI721xS ASI721xY ASI721xX ASI721xK ASI821xS	ASI621xS ASI621xJ & 6J-V1 ASI721xS ASI721xY ASI721xX ASI721xK ASI821xS	ASI621xS ASI621xJ & 6J-V1 ASI721xS ASI721xY ASI721xX ASI721xK ASI821xS

Model	ASB1C-B
Appearance	
Product Type	Access Controller Box
Casing Material	Galvanized steel plate
Size	455.5 mm × 355.5 mm × 109 mm
compatible with	ASC3202B/ASC2202B-S/ASC2202B-D/ASC2204B-S
Main Electricity Input	100–240 VAC, ≤1.5 A
Main Electricity Output	15 VDC, ≤4 A
Storage Battery	12 VDC, 7 AH (not included)

ENABLING A SMARTER SOCIETY AND BETTER LIVING

Dahua Technology Hungary Kft.
Tel: +36 17899852
Email: sales.hu@dahuatech.com

Dahua Technology Poland Sp. z o. o.
Tel: +48 223957400
Email: biuro.pl@dahuatech.com

Dahua Technology SRB d.o.o
Tel: +38 1 (11) 4429999
Email: dh.srb@dahuatech.com

Dahua Technology Israel Ltd.
Email: admin.il@dahuatech.com

Dahua Technology Bulgaria EDOO
Tel: +359876798929
Email: gergana.naydenova@dahuatech.com

Dahua Technology S.R.L
Email: marketing.ro@dahuatech.com

Dahua Technology Czech s.r.o
Tel: +420 225 986 001
Email: admin.cz@dahuatech.com

Dahua Güvenlik Teknolojileri Sanayi ve Ticaret A.S.
Email: sales.tr@dahuatech.com

Dahua Technology Denmark ApS
Email: Nordic.ne@dahuatech.com

Dahua Technology Mexico S.A. DE C.V.
Tel: +52 55 67231936
Technical Hotline: 525568269009
WhatsApp: +52 55 9337 2150
Email: Dahua.Mexico@dahuatech.com
Support: support.mx@dahuatech.com

Dahua Technology Colombia S.A.S.
Tel: +57 601 3106176
Technical Hotline: 578005190687
WhatsApp: +52 55 9337 2150
Email: marketing.co@dahuatech.com
Support: support.co@dahuatech.com

Dahua Technology India Private Limited
Tel: +91 124 4569100
Technical Hotline: 1800 1035719
WhatsApp: +91-8800012758
Email: sales.india@dahuatech.com

Dahua Technology Chile SpA
Technical Hotline: +56 2 26660989
WhatsApp: +56 9 89564372
Support: support.chile@dahuatech.com

Dahua Technology Perú S.A.C
Address: Av. Ricardo Rivera Navarrete #475 Int 1701 - San Isidro
Repair Center: Av. República de Panamá N 3531, Distrito San Isidro
Technical Hotline: 80056168
AI Customer Service: +52 1 55 9337 2150
WhatsApp: +52 55 9337 2150
Email: sales.pe@dahuatech.com
Support: support.pe@dahuatech.com

Dahua Technology Panama S.A.
Address: ciudad de Panamá, Punta Pacifica, torre de las Américas, torre C, oficina 2004
WhatsApp: +52 55 9337 2150

Dahua Brazil
Address: Rua George Ohm, 206 - Brooklin Novo, São Paulo - SP, 04576-020
Tel: +55 11 3251 1871
Technical Support for capitals (phone and WhatsApp): +55 11 4000 2984
Technical Support for other regions: +55 0800 000 4230
Email: comercial.br@dahuatech.com
Support: suporte.br@dahuatech.com
Press Inquiries: PR_Global@dahuatech.com

Dahua Iberia, S.L.
Tel: +34 917649862
Email: sales.iberia@dahuatech.com
Support: support.iberia@dahuatech.com

Dahua Technology Italy s.r.l.
Tel: +39 02 99912900
Email: info.italy@dahuatech.com
Support: support.italy@dahuatech.com

Dahua Technology Middle East FZE
Email: info.me@dahuatech.com
Sales.me@dahuatech.com; project.mena@dahuatech.com
Service Center Hotline & WhatsApp: +971 582464426
Support: support.mena@dahuatech.com

Dahua Technology GmbH
Tel: +49 211 2054 4120
Email: sales.de@dahuatech.com
Support: support.de@dahuatech.com

Dahua Technology Azerbaijan
Email: Dahua_Azerbaijan@dahuatech.com

DAHUA ARGENTINA S.A.
Address: Lola Mora 421 piso 9no oficina 901 - CABA
CUIT: 30-71548925-9
Email: ventas.ar@dahuatech.com
Support: +54 9 1134897566

Dahua Europe BV
Tel: +31 (0) 85-0715700
Email: sales.benelux@dahuatech.com
Support: support.benelux@dahuatech.com
Address: Houtsingel 19, 2719 EA, Zoetermeer, the Netherlands

Dahua Technology France
Tel: +33 (0) 1 48 53 70 53
Technical Hotline: 33176278451
Email: sales.france@dahuatech.com
Support: support.france@dahuatech.com

Dahua Singapore
Tel: +65 65380952
Technical Hotline: 65 31298008
WhatsApp: +60-11 56935900
Email: sales.sg@dahuatech.com

Dahua Malaysia
Tel: +60376620732
Technical Hotline: 60 1800813118
WhatsApp: +60-11 56935900 / +60-18 3022 135
Email: sales.my@dahuatech.com

Dahua Indonesia
Tel: +62 27893330
Technical Hotline: 78033218278
WhatsApp: +62 822-6124-4889/+62 811-1001-6201
Email: Sales.Indo@dahuatech.com
Support: support.id@dahuatech.com

Dahua Philippines
Tel: 1800 1550 0066
Technical Hotline: 1800 1550 0066 (Extension #2)
Viber Number: 0966 528 6548
Email: marketing.ph@dahuatech.com

Dahua Australia
Tel: +61 290306000
Technical Hotline: 1800 132 482
Email: sales.oc@dahuatech.com

Dahua New Zealand
Tel: +64 09 282347
Technical Hotline: +64 800 700 106
Email: dahua.nz@dahuatech.com

Dahua Uzbekistan (OOO "Dahua Vision")
Tel: +998 781488666

Dahua Kazakhstan (Dahua Technology Kazakhstan LLP)
Tel: +7 727 3110838
Email: sales.kz@dahuatech.com

Dahua Technology Ukraine Office
Tel: +380674011526
Technical Hotline: +44 1628 200880
Email: dahua.ukraine@dahuatech.com

Dahua Technology UK Limited
Address: 1st Floor, The Quantum, 60 Norden Road, Maidenhead, SL6 4AY
Sales: sales.uk@dahuatech.com
Marketing: marketing.uk@dahuatech.com
Technical Support: support.uk@dahuahelp.com
Contact Tel: +44(0)1628 200880 (Trade Only, UK & Ireland)
Press Enquiries: press.uk@dahuatech.com

Dahua Technology South Africa (Pty) Ltd | Head Office
Tel: +27 10 593 3242
WhatsApp Help-Line: +27 (0)87 250 2887
Toll-Free Help-Line: 080 099 0064
Email: sales.za@dahuatech.com
Support: support.za@dahuatech.com

Dahua Technology Kenya Representative Ltd
Email: Eastafrica@dahuatech.com
WhatsApp Help-Line: 0111055510
RMA: +254746261399

Dahua Technology Nigeria Representative Ltd.
Email: Westafrica@dahuatech.com
Support: rma.nigeria@dahuatech.com
Office Tel: +234 (0) 908 888 8582

Dahua Thailand
Tel: +66 2078 6969
Technical Hotline: +66 2171 2482
Line Official: @dahua_thailand
Email: info.th@dahuatech.com

Dahua Technology Korea
Tel: +82 2 6486 8889
Technical Hotline: +82 1899 0875
Email: sales.kr@dahuatech.com

Dahua Vietnam
Tel: +84 24 3202 6616
Technical Hotline: +84 1900 2620
Email: info.Dahuavietnam@dahuatech.com

Dahua Technology Japan
Tel: +81 3 6661 6818
Email: Sales.Japan@dahuatech.com
Technical Hotline: 0120 693 233

Ver. 1, Sept. 2025

DAHUA TECHNOLOGY

Add: No.1199 Bin'an Road, Binjiang District, Hangzhou, China. 310053
Email: overseas@dahuatech.com
Website: www.dahuasecurity.com

* Copyright Statement

Without the written permission of the original author and the Dahua brand, please do not reproduce, copy, modify, disseminate, or use for any commercial purposes that are not combined with the Dahua brand or Dahua products.

* Liability Disclaimer

The Dahua brand assumes no legal responsibility for any copyright disputes arising from your use of this material.



YouTube



LinkedIn



Partner App



Website