

DHI SMB Pedestrian Access Solution

— Seamless access

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SMB

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Challenges and Requirements

Current Status



Unsafe

- Traditional IC card is easy to lose or be stolen.
- Strangers can easily enter and follow other people.
- It is difficult for security personnel to confirm the identity of visitors.



Inconvenient

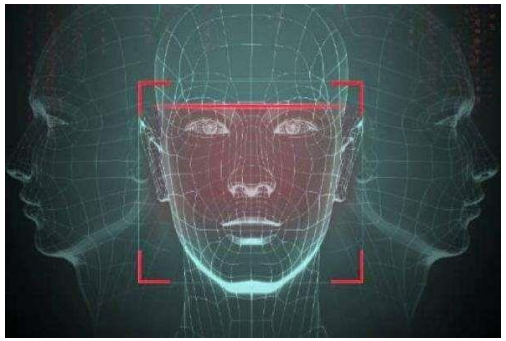
- It is easy to forget access card or password.
- Manual registration of information creates bad experience.
- It is very inconvenient to open the door during rainy days or when carrying heavy objects.



Inefficient

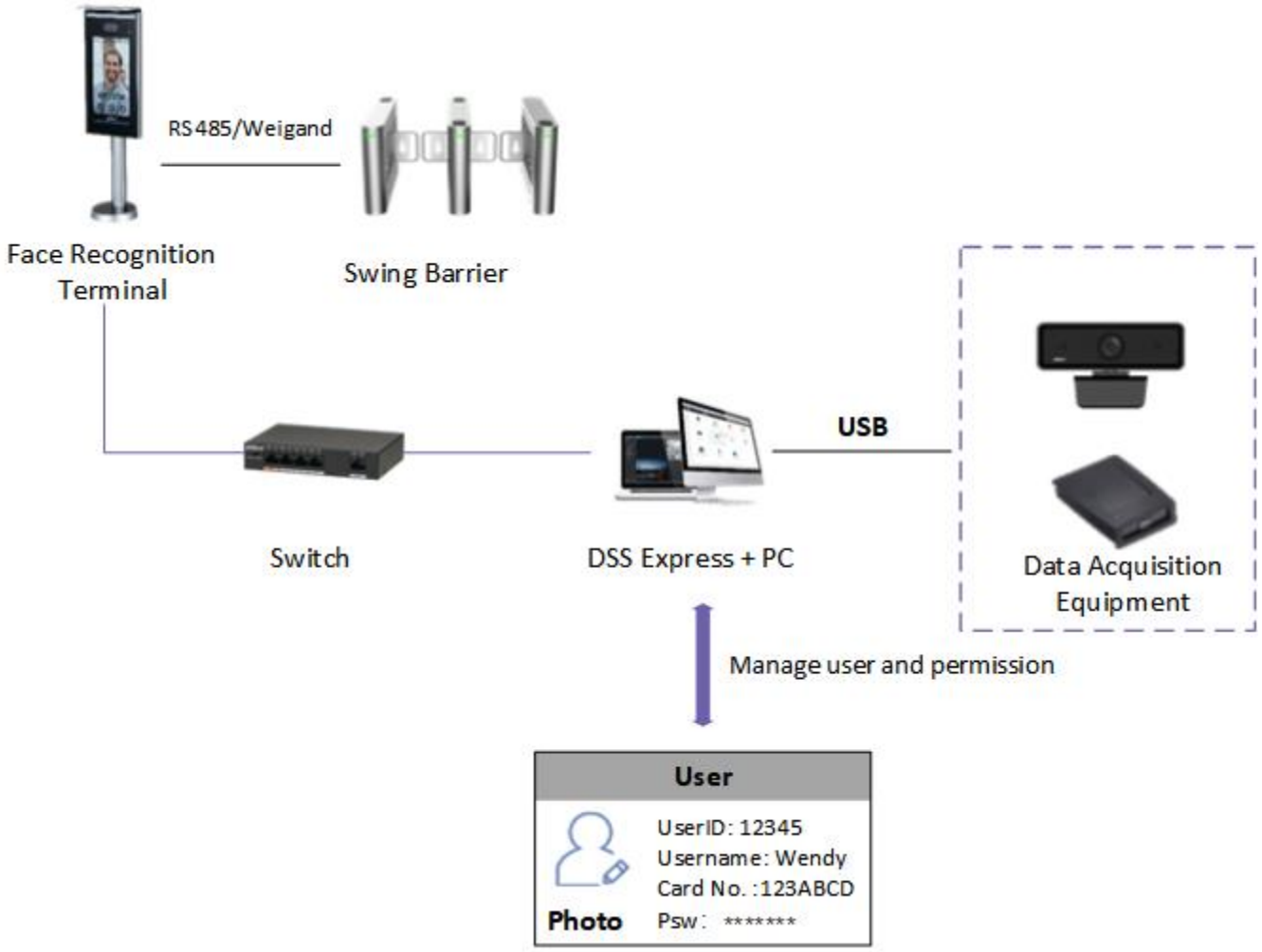
- Residents can't open the door automatically.
- Low passage efficiency.

Requirements



- Requires face recognition and liveness detection
- Needs high face recognition accuracy
- Needs quick recognition and passage
- Needs a simple and economical solution
- Requires anti-tailing function

Solution Overview



This solution adopts advanced AI algorithm and integrates face recognition technology into a well coordinated access control management system, enabling a safe working and learning environment.

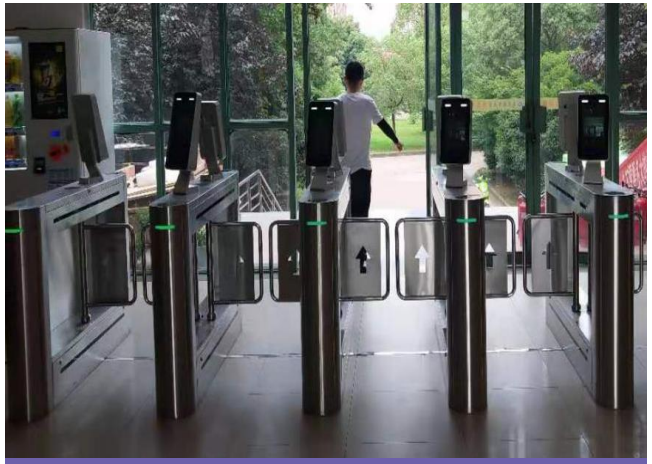
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Application Scenarios

alhua TECHNOLOGY



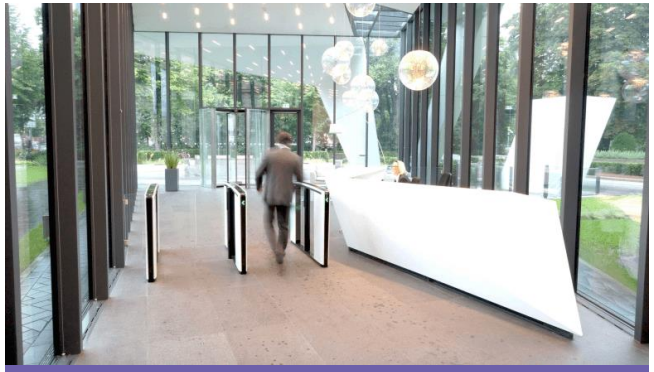
Residential Area Entrance



School Entrance



Factory Entrance



Office Building Entrance



Library Entrance



Gym Entrance

Solution Value



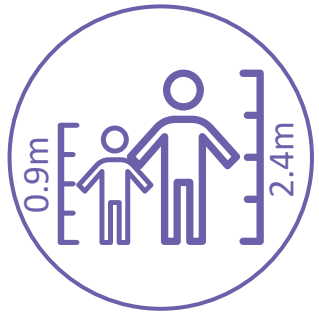
Face



Mifare Card



Anti-fake Algorithm



Wide Detection Area

Quick passage:

- Allows easy entrance using card or face image.
- People can open the door automatically through face recognition, significantly reducing passage time and increasing efficiency by 30%.
- Offers touchless passage with face recognition speed of less than 0.2s.

Safe:

- Features face recognition with 99% accuracy.
- It can keep strangers outside with the help of access control system.
- Features live face detection with advanced AI algorithm, eliminating fake face image from video or picture.
- Supports anti-pinching and anti-trailing.
- Supports alarm with light and sound.

Simple Solution:

- Does not affect the original system architecture and can be put into operation with simple debugging.
- Easy integration with third party barrier.

Product Selection

No.	Products	Models	Picture	Parameter	Remarks
1	Face Recognition Terminal	ASI7223Y-A-V3		> 7 inch IPS display >Auto/manual fill light >With face recognition algorithm, the terminal can recognize more than 360 positions on human face >50,000 face capacity >Face speed 0.35s >Face verification accuracy>99.5%	
2		ASI7223X-A		>7 Inch LCD display >Working temperature is -30°C to 60°C >IP65 (Silicone sealant is needed. For details, see the quick start guide.) >With face recognition algorithm, the terminal can recognize more than 360 positions on human face >Auto fill light >100,000 face capacity >Face speed 0.2s	
3	USB Face Capture Camera	HAC-UZ3-A		>USB Communication >Connect to PC to capture human face registration	
4	Card Issuer	ASM100		>Power supply by USB port >USB Communication >Support IC card (Mifare card) with frequency 13.56MHz	

Product Selection

No.	Products	Models	Picture	Parameter	Remarks
5	Swing barrier	ASGB511J-L（One hole）		>Full ground mounted, more stable >Use SUS304 stainless steel totally, 1.5mm thickness > Two-way or one-way card verification >Smooth and quiet operation >Protect trespassing people not to be injured >Arm length: 600mm >Indoor or Out door use >AC100-230V, 47-60 Hz Switch mode power supply , the internal voltage 24V Max >Working Temperature: -10°C~+60°C >Built-in controller and reader	One hole
		ASGB522J-D(Two holes)			Two holes, two-way face
		ASGB511J-R（One hole）			One hole
6	DSS Express	DHI-DSSExpress-Base-License		>Supports to backup system info manually and automatically >Integrates all the management operations in the client >Not costing a great deal, with 64 channels for free	
7	Monitor	LM32-F200			Optional

Successful Cases





UAE Sinopec • Entrance Gate Project

- **Backgound**

The UAE Sinopec Pedestrian Gate Project is a key project of Dahua Overseas Pedestrian Gates. It is mainly used in the entrance and exit management of petroleum construction sites. The site is subject to high wind and sand, and the high temperature has high requirements for the quality of pedestrian gates. The project mainly includes Dahua's pedestrian gates and video surveillance 。

- **Project**

The project integrates Dahua access control, pedestrian brakes, video surveillance, etc., and cooperates with the DSS-pro platform to achieve personnel management and statistics at the oil extraction site.

- **Value**

After installing systems such as face access control, face time and attendance, face barriers, face visitors, face consumption, face ladder control (cancel), and smart fire platform, the AI has fully entered the era of face brushing, which has solved customers' Defects in the old consumer system, face system, and access control system, and also resolved Party A's concerns about fire protection.

Thank you!

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