

Ai08EV

Metal-Type Dynamic Face + Palm Vein Recognition Access Control & Time Attendance Terminal

Product Introduction:

The Ai08EV is equipped with an AI-accelerated CPU, powered by deep learning algorithms and running on the Linux operating system, featuring fast recognition speed and high accuracy.

Application Scenarios:

The Ai08EV is suitable for use as access control and time attendance devices in government agencies, smart buildings, office towers, high-end residential communities, colleges and universities, enterprises and public institutions, industrial and mining enterprises, and other premises.



Product Features:

- 2MP dual-eye recognition camera with WDR wide dynamic range; clear imaging under strong light, low light, and backlight conditions; supports liveness detection and dynamic dual-camera anti-spoofing; rejects fake faces and photos.
- 8-inch IPS HD touchscreen, resolution 800×1280
- Fast face recognition with speed less than 0.2s; supports on-site snapshot capture and portrait photo saving upon successful face recognition.
- Supports ID/IC dual-frequency card reading
- Multiple combination authentication methods: supports face, palm vein, card, and password verification; combination verification such as face + card; flexibly configurable per scenario.
- Supports TTS intelligent voice broadcast; announces personnel names by voice after successful recognition in Chinese or English; capable of broadcasting non-standard English names (e.g., Indonesian, Indian names).
- Supports 20 national languages including Chinese and English, with voice.
- Supports free switching between 26-key / 9-key keyboard input.
- Supports local face registration, photo registration via USB drive import, and photo registration via backend software import.
- Dual-mode report output: supports USB drive export of access data reports, backend desktop software, and cloud platform statistical data reports.
- Professional access control functions: 1 relay output, exit button, door sensor, Wiegand input/output, touch doorbell, alarm output, anti-passback.

Technical Specifications:

Model: Ai08EV	
Appearance	
Manufacturing Process	Precision CNC Machining
Housing Material	Aluminum Alloy
Hardware Parameters	
CPU	1.2GHz Dual-Core ARM Cortex-A7
NPU	0.8 TOPS
RAM	256MB DDR
ROM	4GB eMMC
Camera & Fill Light	2MP Color + 2MP IR HD Camera; Dual IR High-Power Fill Lights
Display	8-inch Touchscreen, Resolution 800×1280
Communication Interface	TCP/IP, USB Type-A Port; Wireless Wi-Fi (Optional)
FRR (False Rejection Rate)	$\leq 0.1\%$
FAR (False Acceptance Rate)	$\leq 0.001\%$
Power Supply	DC 12V, 2A
Operating Temperature	-15° C to 60° C
Dimensions	256mm×133mm×20mm
Firmware Parameters	
Operating System	Linux
Language / Voice	20 national languages including Chinese and English, with voice
User Capacity (persons)	10,000 standard; 80,000 (optional)

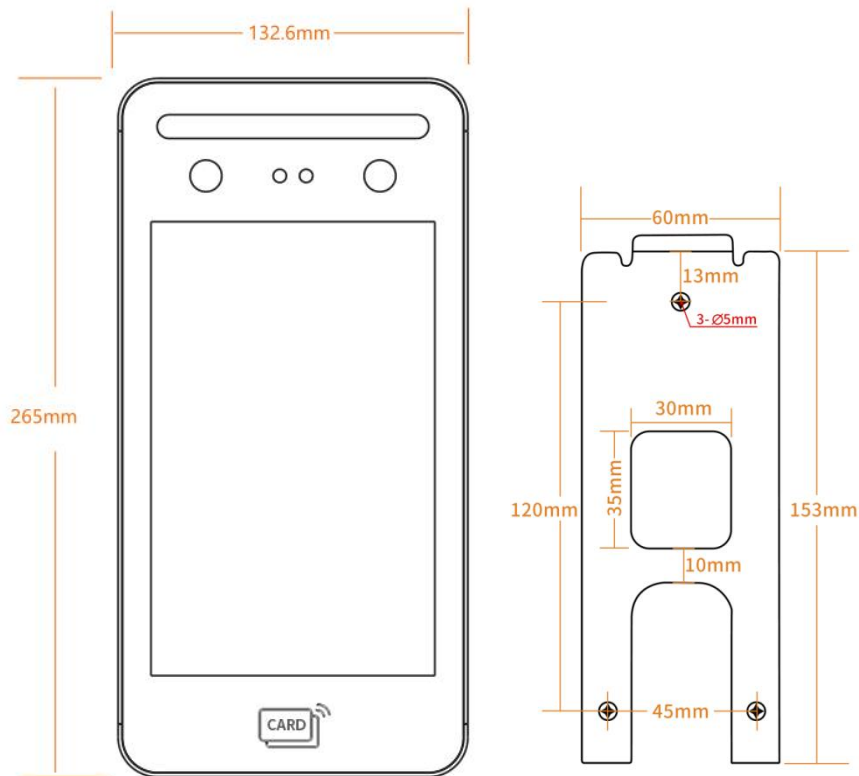
Dynamic Face Access Control & Time Attendance

Face Capacity (faces)	10,000 standard; 80,000 (optional)	
Palm Vein Capacity (templates)	20,000 standard; 160,000 (optional)	
Card Capacity (cards)	30,000 standard, ID/IC dual-frequency standard; 240,000 (optional)	
Password Capacity (passwords)	30,000 standard; 240,000 (optional)	
User Records (entries)	500,000	
Verification Methods	Dynamic face recognition, palm vein, card, password, and combinations such as face + card	
Recognition Mode	1:1, 1:N	
Recognition Display	Name, Employee ID	
Face Recognition Time	< 0.2s	
Liveness Detection	Dynamic dual-camera anti-spoofing; prevents spoofing via photos, videos, and face masks on all media types	
Recognition Distance	Pure dynamic face recognition	0.5 - 2.5m
	With liveness detection enabled	0.5 - 1.5m
Interface Parameters		
USB Output	1 channel (USB drive function)	
Relay Output	1 channel	
Wiegand Output	1 set WG26/34 output	
Wiegand Input	1 set WG26/34 input	
Alarm Output	Supported	
Reset Button	Supported	
Software		

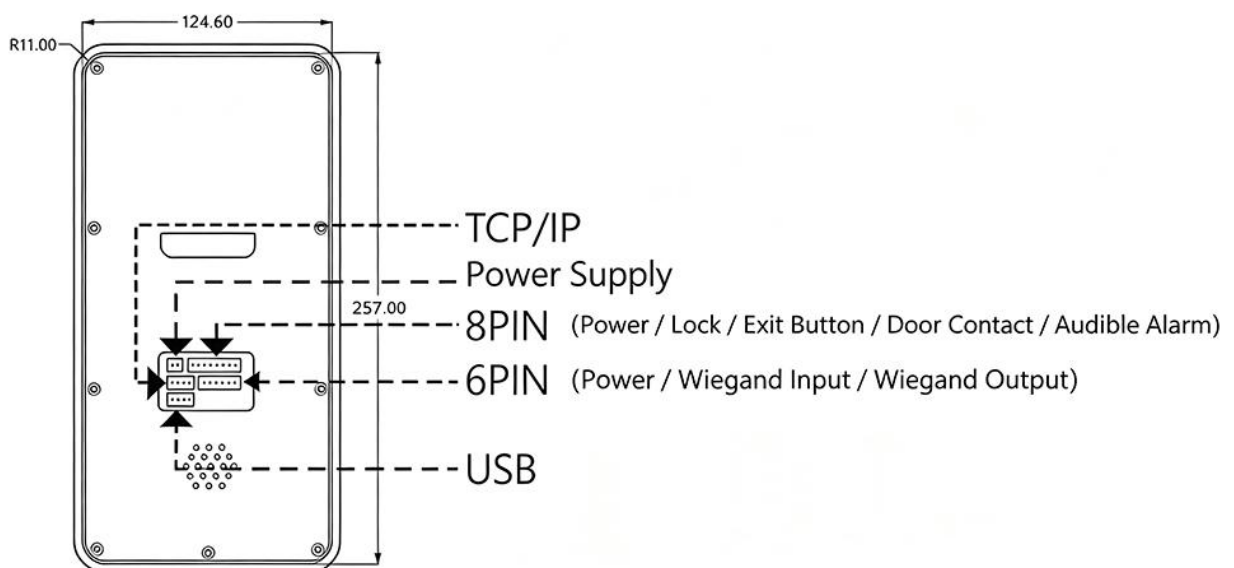
Dynamic Face Access Control & Time Attendance

Desktop Software	Free	The desktop software is a professional integrated solution for HR, time attendance, and access control. 1. Supports Microsoft Access and MS SQL databases; 2. User-friendly interface with simple operation; 3. Personnel photos can be added to the software and uploaded to the device; 4. Comprehensive access control functions (access time schedules, personnel grouping); 5. Snapshots captured during recognition are uploaded to the system in real time; 6. Comprehensive attendance functions suitable for small and medium-sized enterprises.
Public Cloud Platform	Free	The public cloud platform is a professional cloud platform integrating HR, time attendance, access control, and visitor management. 1. Alibaba Cloud servers deliver fast processing and high security; 2. Registration info and attendance data sync to the cloud in real time with no manual operation; 3. Multi-site device interconnection with unified headquarters management; 4. Employees can view their own attendance via the APP, and administrators can view all employee attendance; 5. Supports APP-based door unlocking.

Product Dimensions (unit: mm) Front / Side / Mounting Bracket



Rear View:



Wall Mounting:

Recommended mounting height: 1.5m from lens center to floor (appropriate height may be adjusted based on actual conditions).



Self-Service USB Report Export:

原始记录表

日期: 2022-9-1~2022-9-30

工号: 345 姓名: 测试试 部门: 班次: shift1															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
08:25															
12:00															
13:30															
18:00															
18:28															
21:00															
17	18	19	20	21	22	23	24	25	26	27	28	29	30		

考勤明细表

工号: 345		姓名: 测试试										
部门:		班次: shift1						日期: 2022-9-1~2022-9-30				
日期	周	班段1		班段2		班段3		出勤时数		加班时数	迟到分钟	早退分钟
		上班	下班	上班	下班	上班	下班	标准	实际			
09-01	周四	08:25	12:00	13:30	18:00	18:28	21:00	8.0	8.0	2.5	0	0
09-02	周五							8.0	0.0	0.0	0	0
...	...							8.0	0.0	0.0	0	0
09-29	周四							8.0	0.0	0.0	0	0
09-30	周五							8.0	0.0	0.0	0	0
总计:								240.0	8.0	2.5		

考勤汇总表

日期: 2022-9-1~2022-9-30

工号	姓名	部门	出勤时数		迟到分钟		早退分钟		加班时数		工作日数	旷工
			标准	实际	次	分	次	分	标准	实际		
345	测试试		240.0	8.0					75.0	2.5	30.0/1.0	29.0

Desktop Management Software:

Cloud Platform Management Software:

智慧科技

≡

人事档案管理

人员考勤管理

人员门禁管理

门禁时段设置

门禁周时段设置

门禁权限设置

门禁状态监控

门禁出入管理

手机开门权限

手机开门记录

门禁状态记录

系统功能设置

访客管理

门禁周时段设置

+

添加

编号	名称	星期天	星期一	星期二	星期三	星期四	星期五	星期六
1	白班	1	1	1	1	1	1	1