

SP-FE2-9A

8" Facial Recognition Reader



Design Background

Facial recognition is the advanced technology for biometric access. Its accuracy has been dramatically improved during the past few years. It can provide high accuracy of user identification with an additional card reader as an alternative way of identification, which meets the requirements for Access Control.

Description



Store Up to 20,000 facial characteristic templates; Facial Recognition speed <math><0.5\text{s}</math> & accuracy $\geq 99.8\%$;

Off-line management: management through setting card or password;



Setup menu: add/delete/modify facial information; Support Off-line synchronization of facial database (via TCP/IP).



1. Facial / Facial+Card / Facial+Pin / Card+Facial;
2. Card + Pin (option);
3. Comparison of Face and card (facial characteristic templates were write in the user card).



Support fire alarm input and indication of Escape Route.



Support external card reader connection (option);
Support relay output (option).



Scramble keypad.



Liveness detection:
Effectively prevent from photos and videos of non-liveness approach;



Store up to 20,000 off-line events;
Face images captured and saved failure events: Facial recognition failed events or unauthorized access detected; Facial recognition authorized access events.



Indicate of Facial Matched and Access status separately.



Support light compensation: White light & IR light compensation.



Support search function (personal information, off-line events).



Multiple interfaces and compatible with various controllers --- Wiegand & RS485 (OSDP).

SPECIFICATIONS

Model	SP-FE2-9A
Functions	
Configuration Functions:	
Reading Technology	125KHz, ISO14443A and ISO15693
Card Format	Support different card formats
Access Modes	Facial / Facial + PIN / Facial + Card / PIN + Facial / Card + Facial / Card + PIN
Management	Setting Card / Password
Reader Output	Wiegand / RS485(OSDP Option)
Hardware Output	Relay output 12Vdc@1A
Communication	WIFI / Ethernet Port
Technical Specifications:	
RAM	DDR3 4G
Flash	16GB
Touch Screen	8" LCD & capacitive touch screen, Resolution: 800 x 1280
Light Compensation	White light for RGB camera / Infra-red wave for IR camera
Recognition Distance	Facial Recognition distance is from 0.3m to 1.5 m
Camera	Dual camera: IR+RGB
Operation Specifications:	
Operating Voltage	10 - 15VDC
Operating Current	2A (max)
Operating Temperature	-20°C-55°C
Exterior Dimension	272*135*35mm
Operating Humidity	10% - 90% (non-condensate)

(Note: Wall & Desktop mounting bracket is optional)



Wall mount



Desktop mount