



5" 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.

Main Feature



Store Up to 20,000 facial characteristic templates; Facial Recognition speed <math><0.5s</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/card (option);
3. Comparison of Face and card (facial characteristic templates was 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 events saved: facial recognition. Facial recognition failed events or unauthorized access detected; Facial recognition authorized access events.



Indication of Facial Matched and Access Granted separately.



Support light compensation: IR light compensation.



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



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

Technologies		Appearance and Functions	
	TH = Multi-technologies + 125Khz		F = Facial ONLY
			F = 5" SMARFID
			2 = Read UID / Card Number 3 = Sector / Content (13.56MHz Only)
			9 = Terminal Wiegand + RS485
			A = ReadSense

Model	DI-FF2-9A
Functions	
Configurable Functions:	
Reader Technology	125KHz, ISO14443A and ISO15693
Card Format	Support different formats
Access Modes	Facial / Facial + PIN / Facial + Card / PIN + Facial / Card + Facial / Card + PIN
Programming Mode	Login Card / Password
Reader Output	Wiegand / RS485(OSDP)
Hardware Output	Relay output 12Vdc@1A
Communication	Wifi /Ethernet Port
Technical Specifications:	
RAM	DDR3 2G
Flash	16GB
Touch Screen	5" LCD screen,Resolution:720X1280
Light Compensation	Infra-red wave for IR camera
Recognition Distance	Facial Recognition distance is around 0.3m to 1.5m
Camera	Dual camera: IR+RGB
Operation Specifications:	
Operating Voltage	10 - 15VDC
Operating Current	2A (max)
Operating Temperature	-20°C~ 55°C
Exterior Dimension	188(L)*106(W)*31(H)mm
Operating Humidity	10% - 90% (non-condensate)