IPS LCD Screen Face Recognition Body Temperature IR detector

with Door Access Control system

SPECIFICATION

SW-1081D

Document modification history

Version	Revise contents	Revise	Audit	Date
V1.0	Initialized version			2020-03-05

Statement

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SW-1081D

IPS LCD Screen Face Recognition Body Temperature

IR detector with Door Access Control system





Standard

IC/ID CARD

Product introduction:

SW-1081D is a high-performance and highly reliable product. It adopted by Rockchip RK3288 / RK3399/ Qualcomm MSM8953 high performance hardware platform, equipped with industrial-grade binocular camera and face recognition technology, together with infrared human body temperature measurement module, It supports 1:1 and 1:N face comparison and retrieval, supports mask recognition, supports human body temperature detection, provide high temperature warning, and support id card reader, fingerprint, and other peripherals expansion. It can be applied to the entrance guard attendance, achieve safe and efficient access control.

Application:

It can be used in communities, office buildings, schools, hotels, scenic spots, transportation hubs and other public service places.



Features:

- Industrial appearance, waterproof, dustproof design, stable and reliable.
- ♦ 8 inch IPS full view LCD display.
- ◆ Support 3W face database. 1: 1comparative recognition rate is above 99.7%,1: N comparative recognition rate is above 96.7%@ False Accept Rate0.1%, Face recognition passes at a speed of less than 1 second.
- ◆ Supports accurate face recognition and comparison when wearing masks.
- ◆ Adopt industrial wide Angle binocular dynamic camera, infrared and LED double fill light night scene.
- ◆ Support optional Rockchip RK3288 quad-core processor, Rockchip RK3399 six-core processor and Qualcomm MSM8953 eight-core processor.
- lackloss Support human body temperature detection $\$ temperature display, optimal temperature detection distance is 0.5 meters, the farthest 1 meters, 0.2 $^{\circ}$ C error, support temperature abnormal automatic alarm, second detection speed, attendance temperature measurement data.
- ◆ Support ID card reader, fingerprint, IC card reader, QR-code card reader and other peripherals expansion.
- ◆ Support multiple API docking:system level, APP offline level, APP+ background network level, support secondary development.

Technical parameters

	Model	SW-1081D
	Resolution ratio	200W pixel
Camera	Туре	Double wide dynamic camera
	Aperture	F2.4
	Focal Length	50-150cm
	White Balance	Automatic
	Filling Light	LED and infrared double fill lights
	Size	8.0 inch LCD IPS
Screen	Resolution	800×1280
	Touch	Non (Optional support)
	CPU	RK3288 4 CORES (Optional support RK3399 6 cores.
CPU		MSM8953 8 cores)
	ROM	EMMC 8G
	Network Module	Support wired, wireless
	Audio	Support 2.5w /4R speakers
	USB Interface	1 OTG interface, 1 USB HOST standard port A
Interface	SCI	1 RS232
111011100	Relay Output	1路开门信号输出
	Wiegand Interface	Support Wiegand 26/34 input /output
	Upgrade button	Support Uboot upgrade button
	RJ45	YES
	Card Reader	Non(Optional IC card reader, ID card, ID card)
	Face Detection	Support detecting and tracking multi people at the same time
	Face database	3W max
	1: N Face Recognition	Support
	1:1Face Compare	Support
Function	Stranger detection	Support
Function	Recognize Distance	Support
	UI Interface configuration	Support
	Remote upgrade	Support
	Device interface	Interfaces include device management, people/photo management, record query, etc
	Deployment way	Support public cloud deployment, private deployment, LAN use, single use
Infrared thermal	Human body temperature detection	Support
imaging module	Temperature detection distance	1meter (Optimum distance 0.5meter)

	Temperature measurement accuracy	≤ ±0.2°C
	Temperature Range	25℃~45℃
	Thermal imaging field of view	32 X 32℃
	Vistor normothermia allow	Support
	overtemperature alarm	Support (Temperature alarm value can be set)
	Protection Level	IP65, certain dust proof and waterproof function
	Power Supply	DC12V (±10%)
	Operating Temperature	0℃~60℃
General	Storage Temperature	-20℃~60℃
Parameters	Power Consumption	13.5W (Max)
raiameteis	Installation Method	Wall mounted
	Device Size	Standard: 271.24*128*21.48 (mm)
		IC Version: 293.18*132.88*25 (mm)
	Weight	Standard: 1.05kg
Packing list	Complete machine *1, powe	r adapter *1, specification *1, certificate *1

Dimension

Standard:



IC card/ID card:

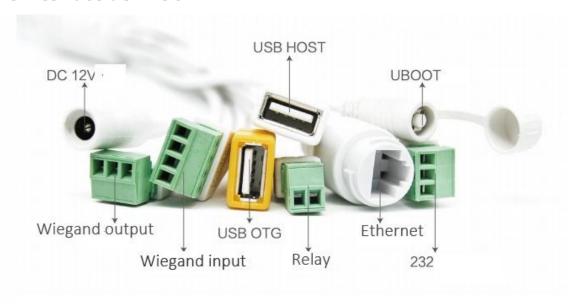


Mounting

- 1、 Fix the wall bracket with screws in the wall installation position specified by the device;
- 2. Fix the card slot on the top of the module equipment on the main hook of the wall bracket, and fix the hole position on the lower part of the device with the combination screw.



Wire interface definition



The interface of each terminal is defined as follows:

■ Relay

	Electrical definition of terminal	
Pin1	СОМ	
Pin2	NO	

■ Wiegand input

	Electrical definition of terminal
Pin1	D0_IN
Pin2	D1_IN
Pin3	12V
Pin4	GND

■ Wiegand output

	Electrical definition of terminal	
Pin1	D0_OUT	
Pin2	D1_OUT	
Pin3	GND	

■ 232 serial port

	Electrical definition of terminal	
Pin1	232_RX1	
Pin2	232_TX1	
Pin3	GND	