8 inch Facial Recognition Terminal For Turnstile Access Control

Size: 8"

8" face recognition device designed according to the ergonomics principle, with safe, reliable, elegant appearance and structure. Equipped with a self-developed industrial Android mainboard, achieving 7/24 uninterrupted service. Face recognition can be realized quickly and accurately by the integration of hardware, software, and system.

8" Intelligent Face Recognition Terminals For Access Control Solutions

Model:
Capacitive touch screen: SD080-AF011
Non-touchscreen: SD080-AF001

This face recognition machine is equipped with an industrial-grade Android RK3288 chip onboard, supports 7*24 hours uninterrupted stable running, binocular 200W wide dynamic camera is available. It can quickly collect and identify the face information of people when entering and leaving, providing high-security level and traffic efficiency for the access control systems.

Product Features

- 8-inch display screen, 1280*800
- Multi-modal biometric recognition, 200W pixel high-definition camera
- Hybrid spectroscopy technology, industrial-grade camera, real-time capture without delay
- A binocular high-definition infrared camera can accurately identify objects during the night
- Infrared sensor module controls standby and work status
- Built-in NFC module, dual identification, enhanced security level
- Compliance with the ergonomic design principle, equipped with industrial-grade LED intelligent fill light

SD-OMEGA Face Recognition Terminal	
Screen	
Size	8 inch
Panel Type	Industrial LCD panel A/A+ grade
Aspect Ratio	16:10
Resolution	1280*800
Contrast	800:1
Luminance	500cd/m2
Response time	5ms
Active Area (mm)	107.64×172.22 mm
Display colors	16.7M
View angle	85°/85°/85°/85° (L/R/U/D;)
Touch screen type	Capacitive touch screen / Non-touch (mouse control)
Touchpoints	Ten-point / five-point
Input mode	Fingers/capacitance pen

Surface hardness	＞6H
Configuration	
CPU	RK3288, Cortex-A17 quad-core, 32 bits 1.8GHz
GPU	Mail-400 533MHz
Inner memory	DDR3 2GB (8GB optional)
Storage	eMMC 16GB (32/64GB optional)
OS	Android 7.1/10.0
WIFI	2.4G
Bluetooth	BT4.1
MIC	Available
RTC	Available
LED supplemental lighting	White light, RGB camera light source, control interface in SDK
Speaker	Two-channel, 8Ω/2W
Timing turn on/off	Available
System upgrade	Support local USB upgrade
Interfaces	
DC port	1*DC 2.1
USB-OTG	1*typeA
Wiegand output	1-channel (support the Wiegand interface in 26-bit and 34-bit formats)
RJ45 Ethernet	1-channel, 10M/100M Ethernet
Relay terminal	1-channel
RS485	1*RS485 (Two-way alternating communication, the transmission distance is more than 100M)
Proximity sensor	Effective recognition of linear distance for 1M, support automatic sleep
Card reader	13.56MHz, IC card reader (ISO14443-A, ISO14443-B)
Product Reliability	
Working temperature	-10°C to 60°C
Storage temperature	-20°C to 70°C
Working humidity	20%-95%, Non-Condensing
MTBF	7*24H
Power Supply	
Power consumption (Max)	15W
Power input	AC100-240V 50/60Hz; CC, CE approved
Power output	DC12V/4A
Face Recognition Parameters	
Camera	200W pixel wide dynamic binocular camera

	(monocular camera optional)
Recognition distance	0.3M-1M
Face liveness detection	Available
The storage capacity of face picture	≤180KB
Verification time	The verification time for 1000 pcs face image is less than 1 second.
Face verification accuracy rate	＞99%
Other	
Material	Aluminum alloy enclosure
IP rating	IP66 for the front panel
Color	Silver/black (other colors can be customized)
Installation method	VESA, Embedded, Wall Mount, Desktop
Certificates	CE, CCC, ISO, FCC, ROHS
Packaging	EPE+Carton (wooden crate for mass order)