

8" Touch Screen Face Recognition Access Control Terminal

Model:

FA1023

Main Features:



- Support real time liveness detection
- Support tracking of personnel movements under strong backlight conditions
- Unique live face recognition algorithm to accurately recognize faces, face recognition time is less than 0.3s
- Using Linux operating system, better system stability
- The camera uses H.265 Main Profile encoding, compatible with NVR and other storage devices through the ONVIF protocol
- Mean time between failures MTBF>50000 H
- Support 24,000 face matching library and 160,000 face recognition records
- Rich interface protocol, support TCP/IP, UDP, RTP, RTSP, RTCP, HTTP, DNS, DDNS, DHCP, SMTP, UPNP, MQTT protocol, Windows/Linux
- From -20 °C to + 55 °C environment for long-term stable operation
- Support tamper alarm
- Support microphone input audio, speaker output audio
- Rich hardware interface (I/O, WG26, WG34, RJ45, Door sensor, Doorbell, Open door, Alarm, RS485)
- 8-inch touch screen, no streaking and delay
- Support automatic gain control and automatic white balance
- 3D noise reduction and fog-passing technology makes the monitoring picture under low illumination more clear and delicate
- Support code stream and I frame interval setting
- Support video area partial blocking
- Support ROI coding
- Support setting maximum exposure time

- Support 2D noise reduction, 3D noise reduction
- Support recording schedule time period and upload mode setting
- Support video brightness, contrast, hue, saturation, gamma adjustment
- Support setting the maximum auto exposure time
- Support face intelligent exposure, face smart enhancement settings

Specifications:

Hardware	
Processor	Dual Core Processor+ 1G memory + 16G flash
Operating system	Linux Operating system
Sensor	1/2.8" Progressive Scan CMOS
Lens	4.5mm
WiFi module	2.4GHz frequency band, IEEE802 b/g/n protocol; 5GHz frequency band, IEEE802 a/n/ac protocol
Bluetooth module	GFSK, DQPSK, 8DPSK, LE(1Mbps), 2LE(2Mbps)
Card type	Support reading 13.56MHz, 125KHz, 915MHz frequency band signals, the type of card reading includes Mifare, CPU card
Speaker	Voice playback content can be customized
Performance	
Recognition height	1.2~2.3 meters, angle adjustable
Recognition distance	0.5~2.5 meters, depends on lens
Recognition angle	Vertical viewing angle: 30°; Horizontal viewing angle: 30°
Recognition time	Less than 0.3 seconds
Storage capacity	160,000 capture records
Face capacity	24,000pcs
Interface	
Power out	DC12V/2A
Network interface	1 RJ45 10M / 100M adaptive Ethernet port, Gigabit Ethernet port can be customized
Wiegand interface	1ch Wiegand interface input/output
Alarm interface	1ch alarm interface
Door sensor interface	1ch magnetic interface
Open interface	1ch open door interface

Doorbell interface	1ch doorbell interface	
Lock interface	1ch lock interface	
Communication interface	1ch RS485 interface	
Camera		
Camera	Dual cameras, glass lens, visible light and near infrared, support liveness detection	
Effective pixels	2MP, 1920*1080	
Min Illumination	Color 0.01Lux @F1.2(ICR);B/W 0.001Lux @F1.2 (ICR)	
SNR	≥50db(AGC OFF)	
WDR	120db, ISP algorithm face partial exposure	
Image	Main Stream	50Hz: 25fps (1920×1080,1280×720)
		60Hz: 30fps (1920×1080,1280×720)
	Sub Stream	704*576, 25 frames/second, 640*480, 25 frames/second, 352*288, 25 frames/second
Function		
Web side configuration	support	
Remote upgrade	support	
Regular		
Operating temperature	-20℃ - +55℃	
Working humidity	0~90% relative humidity, no condensation	
Salt spray	level Rp6 or above	
Antistatic	contact ±6KV, air ±8KV	
Power	DC12V/2A	
Waterproof	IP42	
Power	20W(MAX)	
Equipment size	215.22 (L) * 130 (W) * 18 (T) mm	

Screen size	8 inches IPS HD screen
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Interface:

No.	Name	Quantity	Remark
①	Ground	1	Black and White:GND
②	Wiegand input/output	1	Orange:WGI_D0 Orange and white:WGI_D1 Brown:WGO_D0 Brown and white:WGO_D1
③	Fire in	1	Yellow:FIRE_ALM
④	Alarm out	1	Purple:NO Blue:COM White:NC
⑤	Doorbell	1	Light blue:BELL
⑥	Power	1	Red:WG_12V, Black:GND
⑦	Door sensor	1	Light green:DS
⑧	Open	1	Green:OPEN
⑨	Lock	1	Blue and white:NC Green and white:COM Grey:NO
⑩	RS485	1	Red:485+ Black:485-