

8-Inch Thin and Light Face Recognition Touch Screen Access Control Machine

Product Model

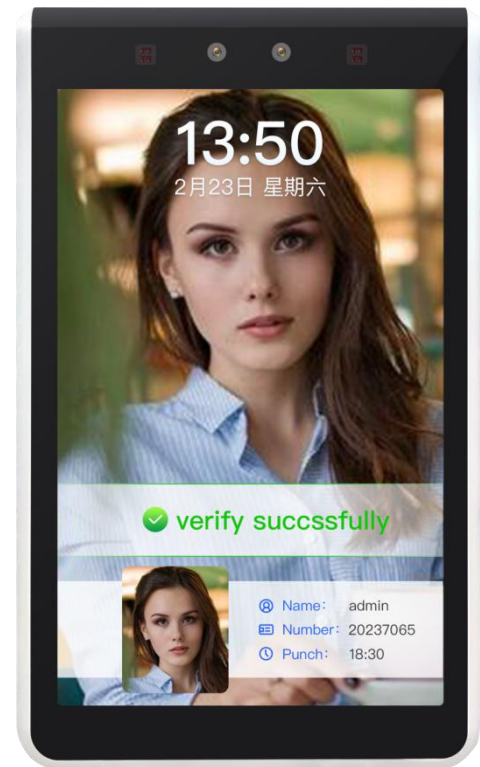
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Application scenarios

Office buildings, conference rooms, communities, factory parks, construction sites, hospitals, subway stations, etc.

Main Features

- Support binocular live identification
- Support dynamic face tracing exposure under strong backlighting condition
- Unique facial recognition algorithm to accurately recognize faces, facial recognition time < 0.3seconds
- Built-in Dual Core CPU
- The system is running stable which adopts LINUX OS.
- H.265 encoding format video streaming directly connects NVR etc storage devices by ONVIF and GB28181 protocol
- Support TF card local storage, image contiguous blocks of storage for 1 year, video contiguous blocks of storage for 1 month or more (related to optional TF card capacity)
- Average faultless runtime MTBF>50000H
- 240000+ face comparison library and 100,000 identification records
- Interface protocols are rich and support TCP/IP, UDP, RTP, RTP, RTP, RTCP, HTTP, DNS, DDNS, DHCP, SMTP, UPNP, MQTT protocols under various platforms such as Windows/Linux



- Working temperature :-10°C -55°C
- Support tamper alarm
- Supports MIC audio input, speaker output audio
- 8-inch IPS full-view HD display, no image slurs, no latency
- Automatic gain, automatic white balance, so that the real color of the image returned to the original condition
- Built-in black light sensor for video surveillance application, low illumination recognition is more accurate
- 3D noise reduction and through the fog technology make the monitoring image under low illumination more clear and delicate
- Support code stream and I frame interval setting
- Support partial shielding of video region
- Support ROI coding
- Automatic white balance, manual white balance
- Support maximum exposure time setting
- Support smart phone monitoring settings
- Support 2D noise reduction, 3D noise reduction
- Support video planning time periods and upload settings
- Support video brightness, contrast, tone, saturation, gamma adjustment
- Support the maximum autoexposure time
- Support intelligent face exposure, face smart enhancement settings

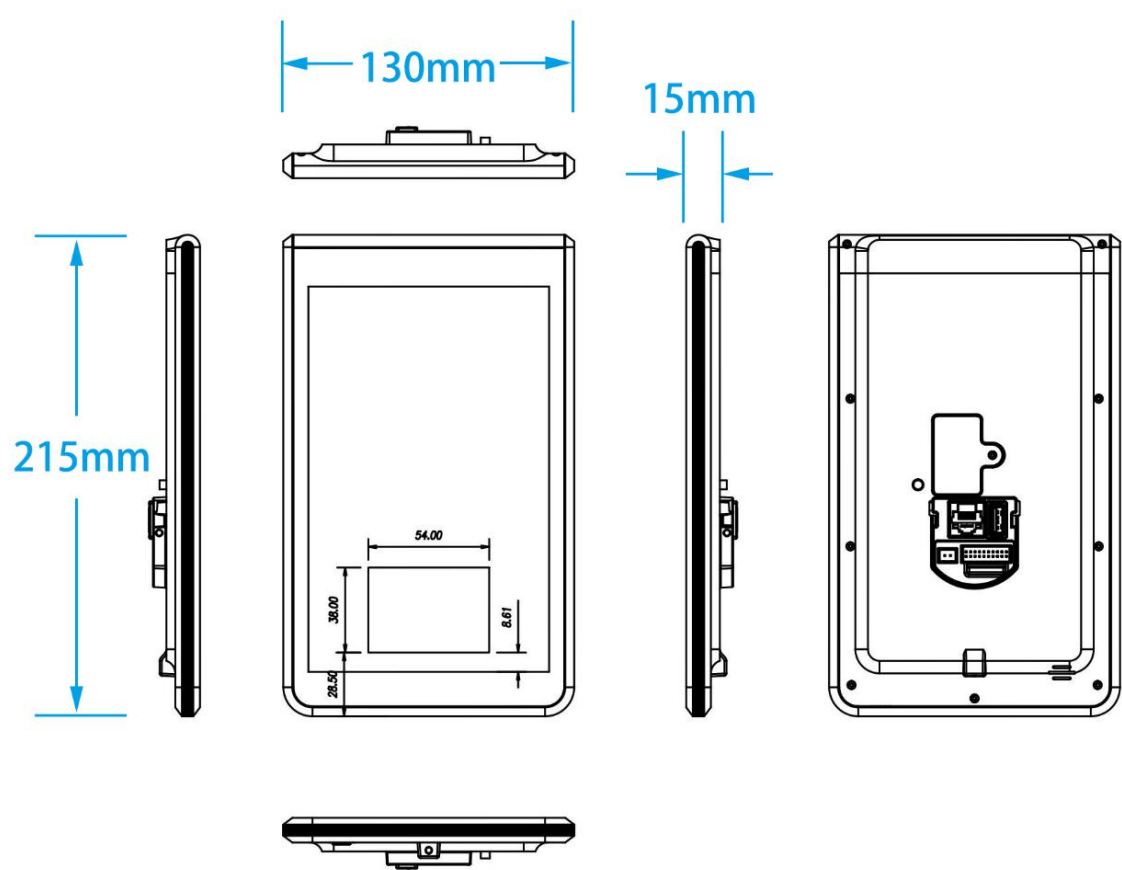
Specification Parameters

Hardware	
Processor	Dual Core Processor+1G Memory+16G EMMC
Operating system	Linux
Storage	Support for TF card storage (optional)
Imaging Device	1/2.8" Progressive scan CMOS
Lens	4.5mm
WiFi Module	2.4GHz, IEEE802 b/g/n; 5GHz, IEEE802 a/n/ac
4G Module (Optional)	Support LTE-FDD、LTE-TDD、DC-HSPA+、WCDMA、EDGE、GPRS
Bluetooth	GFSK、DQPSK、8DPSK、LE(1Mbps)、2LE(2Mbps)
Speakers	Standard, voice can be customized
Performance	
Recognition Height	1.2~2.3 meters, adjustable angle
Recognition distance	0.5~1.5m, variable depending on the lens
Face angle	30°left and right, 30°up and down
Recognition time	< 0.3 s
Record Storage	160,000 records
Face capacity	24000 pcs
IC card	Support 13. 56MHz、125KHz、915MHz; Mifare、CPU card
Interface	
Power Input	DC12V/2A
Network	1 RJ45 10M / 100M; 1000M (optional)

Wiegand	1 Wiegand Output, 1 Wiegand Input	
Alarm	1 Fire Alert Input, 1 Alarm Output	
Door sensor	1 door sensor interface input	
Door opening	1 door open interface input	
Doorbell	1 doorbell interface output	
Door lock	1 door lock interface output	
Communication Interface	1 RS485 communication interface	
USB	1 USB 2.0	
Camera Parameters		
Camera	Binocular camera, all-glass lens, visible and near-infrared, support for live detection	
Valid Pixels	2.1 million valid pixels, 1920*1080	
Minimum Lighting	color 0.01lux @F1 .2 (ICR); black-and-white 0.001lux @F1 .2 (ICR)	
Signal to noise	$\geq 50\text{db}$ (AGC OFF)	
Wide Dynamic	120db, ISP algorithm face partial exposure	
Video encoding	H.265 Main Profile Code/H.264 BP/MP/HPCode/MJPEGCODE	
Dual code stream resolution	Master Code Stream	50Hz: 25fps (1920 × 1080,1280 × 720)
		60Hz: 30fps (1920 × 1080,1280 × 720)
	Subcode Stream	720*576, 1-25 (30) frames/640*480, 1-25 (30) frames/sec 320*240, 1-25 (30) frames/sec
General parameters		
Operating temperature	-10℃ - 55℃	
Operating humidity	0 ~ 90%,non-condensing	
Consumption	20W(MAX)	
Salt spray	>Rp6	

grade	
Antistatic	Contact ± 6KV, air ± 8KV
Power supply	DC12V/2A
Protection rank	IP42
Screen specs	8" HD IPS Screen
Device Dimensions	215 (length) * 130 (width) *15 (thickness) mm

Size

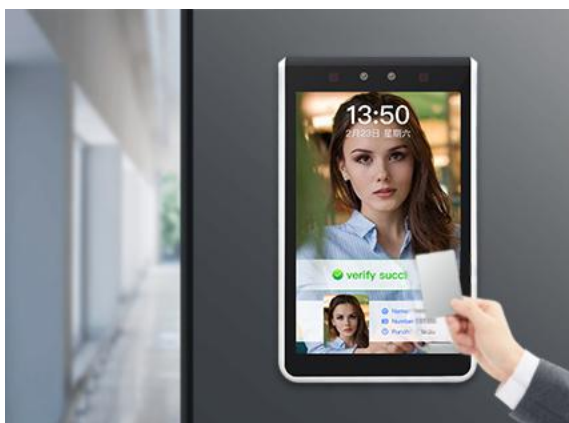


Interface Definition

Sequence	Names	Quantity	Remarks
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①	Ground	1	black-and-white: GND
②	Weigand input-output	1	Orange: WGI_D0, Orange White: WGI_D Brown: WGO_D0, Brown White: WGO_D1
③	Fire Alert Input	1	Yellow: FIR_ALM
④	Alarm Output	1	Purple: NO, Blue:COM, White
⑤	Doorbell	1	Light Blue: BELL
⑥	Power	1	Red: WG_12V, Black:GND
⑦	Door magnetic	1	Pale green:DS
⑧	Opening the door	1	Green: OPEN
⑨	Door lock	1	Blue and white: NC, green and white: COM Ash: NO
⑩	RS485	1	Red: 485+, Black: 485-

IC card access



Face Recognition Access

