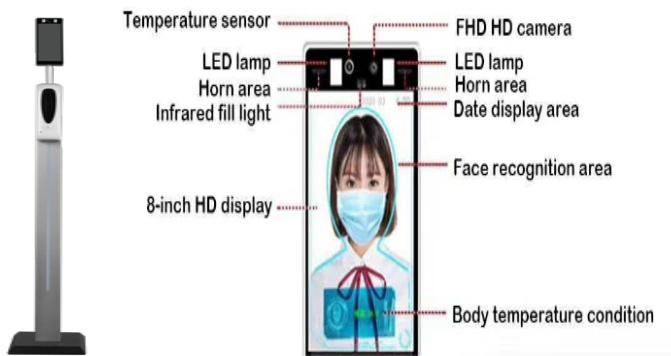# 8" LCD Smart Display

Functions:

- Face recognizes

- temperature detection attendance

- hand washing

- integrated terminal

- 8inch smart camera

- WI-FI

- Touch Android

Product photo

Product Features

1. Built-in non-contact high-precision thermal imaging module + live detection in one.

2. Temperature detection range 35℃~42℃，Precision±0.3℃.

3. Support human body temperature overlay、picture overlay.

4. Support body temperature detection.

5.Supports mask detection, detect if the person wear a mask.

6.Built-in FACE ++ deep learning face recognition algorithm，Stable and reliable.

7.Support 50,000 face database.

8.100 ms fast identification.

9.8inch HD LCD display.

10. Local alarm output after abnormal temperature.

11. Face recognition, temperature detection, and mask recognition, Freely configure multiple usage modes.

12. ultra-thin metal shell.

13. Can record identification information and temperature information, save traceability.

14. Excellent environmental adaptability, adapt to low light and strong backlight, support automatic face exposure.

15. Support Wigan protocol, can directly drive access control and control various gates.

16. Rich hardware interface, integrated 100M Ethernet interface, audio interface, Wiegand interface, relay interface, TF card, USB and other interfaces.

17. Use 1 / 2.8 *2 million-pixel progressive scan image sensor, excellent low light.

18. The maximum output resolution is 1920 × 1080 @ 30fps, the picture quality is delicated.

19. Support 2D, 3D digital noise reduction.

20. Support H.265 + /H.265 / H.264 / MJPEG video compression algorithm, support multi-level video quality configuration, encoding complexity settings.

21. Low power consumption, main board power consumption is as low as 5 watts.

22. Linux software architecture is stable and reliable, easy to expand.

23. Support the secondary development of device-side application software.

24. Support various software and hardware customized.

Detailed feature description：

1、Interface

NO	Name	Interface	Explanation
1	Power	12VDC	Power supply interface (supply adapter)
2	Network Interface	RJ45	For networking
3	Relay interface	+：NO　Normally open port -：COM Public end	With the gate or access control, if the temperature is normally, the gate or access is open, otherwise not open.
4	Wiegand interface	1：12VDC 2：Wiegand protocol data terminal □ D1 3：Wiegand protocol data terminal □ D0 4：Signal ground	Communication Interface. With the gate or access control, if the temperature is normally, then open, otherwise not open

2、Face recognition snapshot：

After detecting a face, take a snapshot and record the relevant information immediately, and the information such as the snapshot of the visitor's picture and temperature can be exported in batches：

3、Face recognition temperature measurement：

After detecting a face, temperature is measured immediately, and the temperature is reported. The body temperature threshold can be set by itself. The default is 37.3 degrees Celsius

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Name	Date	time	Temperature	Ware a mask or not	Capture photo
visitor	2020/5/6	15:52:49	36.0	yes	
visitor	2020/5/6	15:30:05	36.1	yes	
visitor	2020/5/6	15:30:01	36.6	yes	

4. Detect if you are wearing a mask：

Mask detection can be turned on or off. After opening, if it is detected that no mask is worn, it will broadcast: Please wear a mask.

Mask detection can be set：

    1、Whether the relay is associated: if the relay is associated, the gate shutter if not wear the mask.

    2、Broadcast settings: no broadcast or only broadcast the abnormal.
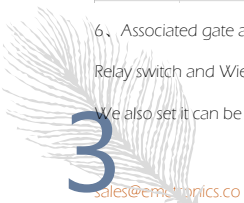

5、Time and attendance function：

After adding face data in advance, you can directly brush face for attendance, and attendance records can be exported to Excel format.

	A	B	C	D	E	F	G	H
	Name	Date	Work today	Temperature at work	Wear mask at work	Off duty today	Off duty temperature	Off duty with mask
	Hello Amy	3-Mar-20	08:29:50	35.9	yes	08:29:50	35.9	yes
	Hello Amy	4-Mar-20	NULL	NULL	NULL	10:04:39	14:24:00	yes

6、Associated gate and access control：

Relay switch and Wiegand interface can be connected to gate and access control to manage the access.

We also set it can be release when detect temperature and mask are worn normally together, if the temperature and mask are not worn normally, the door will not be opened, and

the machine broadcasts abnormally.

7、You can choose 2 types of liquid drop and spray for mobile phone washing, and need to change the nozzle: (default 1 type)
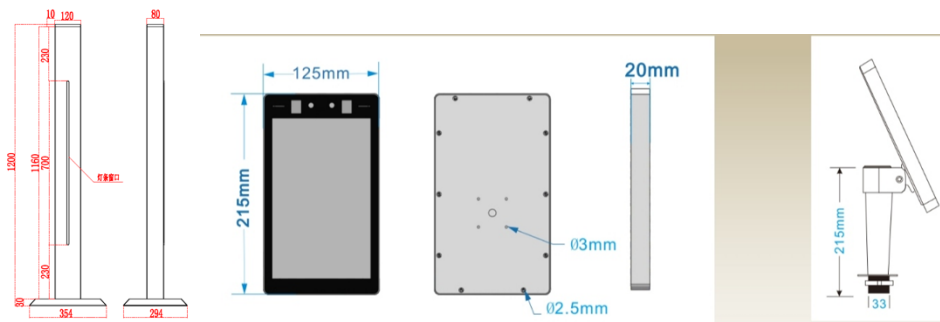
Support drip：Gel hand sanitizer

Spray：Disinfection Alcohol.

Tech specifications：

Display		8inch LCD
Thermal	Sensor	Thermal imaging infrared temperature sensor
	Temperature measurement	Range：35~42℃， Precision： ±0.3℃
	Detect distance	0.4m~0.7m
Visible parameters	Lens	focal length 1.8mm， Field of View：118°
	Mini illum	0.01Lux@F1.2 color mode
	Dynamic Range	≥120dB
	S/N Ratio	≥43dB（AGC OFF）
	Exposure mode	Program mode (customizable shutter interval), shutter mode（1/5 - 1/20,000s）support for slow shutter
	White balance	Auto, indoor, outdoor, sodium lamp mode, manual
	Digital noise reduction	Support DNR,3DNR
	Day and night mode	Fixed color
Image and compression	Video compression	H.265 Main Profile / H.264 High profile / M-JPEG
	Max resolution	1920x1080@30fps
	Resolution	Main-stream	1920x1080、1280x960、1280x720、720x576
		Sub-stream	640x480、352x288、320x240、176x144
		MJPEG	1920x1080、1280x720、closed
	Output bit rate	（CBR or VBR), Bitstream setting range：32Kbps~10Mbps
	Audio compression	G711，PCM
	Character overlay	Support channel name, date and time overlay, adjustable overlay position;
AI	Number of face bases	50,000 sheets
	Recognition speed	≤300ms
	Live detection	support
	Mask detection	support
	Body temperature alarm	support
interface	power	DC12V
	network	1ch10/100BaseT Ethernet RJ45 interface
	Wiegand	1ch Wiegand output interface

	Switch	1ch relay output
	SD card	Up to 128G
	MIC	Built-in
	Audio	Built-in 2ch audio output
Physical Characteris tics	Working Humidity	-10℃ ~50℃
	Working Humidity	0%-90% RH
	Power Consumption	5W
	size	215x125x20mm
	weight	＜1kg

Dimension：

Applications：

Disclaimer: All product pictures and function introductions are for reference only, please refer to the instruction manual and physical packaging for details. The company reserves the right of final interpretation.