VIKVIZ Wi-Fi Face Recognition Body Temperature Measurement System User Manual

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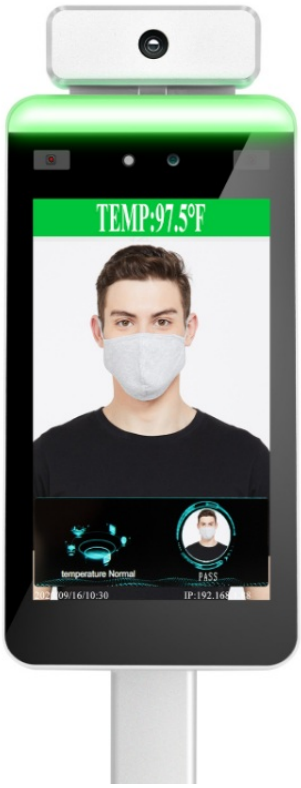


Product Specification

Appearance

Application scenarios

It is suitable for office areas, hotels, access gates, office buildings, schools, shopping malls, shops, communities, public services and management projects and other places where human faces and temperature measurement access control are required.

Product Features

1. Support the camera to capture the face to activate the device;
2. Adopt dynamic face detection and tracking recognition algorithm based on video stream;
3. Support local storage of 10,000 face libraries on the device;
4. When the face database is 3000, the accuracy of 1:N recognition is 99.7% under the condition that the false recognition rate is three out of ten thousand;
5. Fast recognition speed:
    - Face tracking and detection take about 20ms
    - Face feature extraction takes about 200ms
    - Face comparison takes 0.2ms (1000 people base, multiple recognition takes the average), 0.5ms (10000 people base, multiple recognition takes the average);
6. Binocular with the infrared light camera;
7. Support for saving on-site photos during face recognition or stranger detection;
8. Support interface docking in HTTP mode;
9. Support the deployment method of public network and local area network;
10. Support the comparison function of strangers' personal certificates;
11. Support human body temperature detection, support human body temperature measurement under indoor conditions;
12. Support external QR code; Precautions for use: The temperature measurement environmenttemperature is between 0 degrees and 35 degrees. This product is not used as a medical device!

Product Specification Sheet

MFD Flat face recognition terminal		
Product number		MFD-10S-U
Screen	Size	8 inch IPS LCD screen
	Brightness	500 LU
	Resolution	800*1280 HD screen
Camera	Resolution	200W*200W
	Number of cameras	2
	Type	RGB camera
	Aperture	F2.0
	Focal length	4.3mm
	White balance	Auto
	Wide dynamic	Support
	Vertical wide angle	52°
	Horizontal angle	29°
Core parameter	CPU	4 Nuclear 1.8GHz
	Device interface	Memory 2GB, storage 8GB
	Audio	1 channel audio output line out

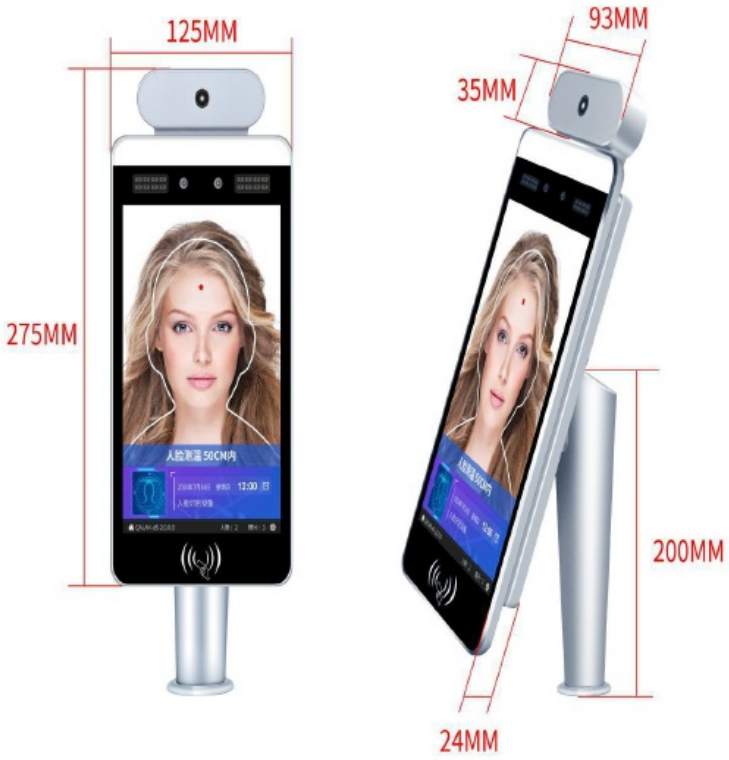
	Video	HDMI2.0 Type-A interface 1
	Relay output	1 relay interface
	Network Interface	1 RJ45 10M/100M adaptive Ethernet port WIFI

Features	Face Detection	Support detection and tracking of 5 people at the same time
	1 N Face recognition	Under the condition that the false recognition rate is three out of ten thousand, the recognition accuracy rate is 99.7%
	Stranger detection	Support
	Recognition distance configuration	Support
	Live detection	Support
	UI interface configuration	Support
	Remote upgrade of equipment	Support
	Deployment method	Support public network and local area network use
	Personal identification	Support(Purchase ID card reader separately)
	Human body temperature detection	Support
	Temperature detection distance	Within 1 meter
	Temperature measurement accuracy	≤ ±0.3℃
	Temperature range	30℃~42.5℃
	Temperature range	Yes

	The visitor’s temperature is normal and let go	Support
	Body temperature alarm value can be set	Support
	Mask recognize	Support

	High temperature alarm	Support
	QR code recognition	Support
	Second-generation ID card recognition	Support
Touch screen function	Touch screen function	Partial model support
General parameters	Protection level	IP42 Certain dust and water resistance
	Power supply	DC12V ±10%
	Operating temperature	-10℃ 60℃
	Working humidity	10% 90 %
	Power consumption	10W MAX
	Size	275*125*24 mm
	Weight	≈2kg

Size description



Interface Description

Power connector

In the tail line of the device  is the power inputinterface. The detailed description is as follows:

Signal name	Signal direction	Function description
12V	Uchimas a	12VDC±10% DC input
GND	Negative	Power ground

The internal power input of the equipment has reverse polarity protection and surge protection.

Relay output

The alarm output is a passive relay switch output, the contact voltage capacity is: 220V DC, 250V AC; the contact current capacity is 1 A; the power capacity is 30W.

WG input and WG output

Wiegand input can be connected to Wiegand reading head, used for swiping card to open the gate. Wiegand output can be used to output recognition results, connect to other WG input devices, access control panels, etc.

Ethernet interface

The device tail line indicates that the network interface is the face device Ethernet interface, and the user can configure the face device parameters through the configuration tool.

USB interface
Two USB ports can be used to connect USB devices such as ID card readers.

Audio output
Can be connected to an external power amplifier to output audio.

232 serial port
Used for communication between face machine and external equipment, output card number, ID number, and personnel ID number.

Documents / Resources

 face recognition terminal Product Specification 1.Appearance 2.Application scenarios	VIKVIZ Wi-Fi Face Recognition Body Temperature Measurement System [pdf] User Manual Wi-Fi Face Recognition Body Temperature Measurement System