

Face Recognition Infrared Temperature Thermometer

Product specification

Model No. VXHC-SJP08CW



Intelligent infrared thermal imaging face recognition is a kind of biometric technology based on human facial feature information for identity recognition, it is unique and not the good characteristics of being easily copied provide the necessary premise for identity authentication. The current temperature of the pedestrian is also a prerequisite for whether to open the gate. The face recognition pedestrian channel gate system is a combination of face recognition technology and the pedestrian channel system, through the recognition of the face as the key to open the pedestrian channel.

It not only saves you the trouble of forgetting to bring a key or a card but also saves a lot of costs because the face recognition walkway gate system does not need any medium to open the door. Just register the face information;

The face recognition pedestrian channel gate system has always been more advantageous than the IC card that "recognizes cards but not people" because of its simple, safe, convenient, and intelligent operation that can be used indoors or outdoors. In recent years, face recognition technology has been widely used in public security, customs, finance, military, airports, enterprises, and other fields.

An expert further pointed out that the era of full application of face recognition has arrived, and he will become an important technology that facilitates people's daily lives.

At present, the most entrances and exits of residential areas and factories are swipe card



Verification methods. The problem of no card is often encountered. Face recognition technology is applied. The entrance gate system is a safer authentication method. Our face recognition camera can be applied to the access control system and has a recognition rate. High, fast recognition speed can adapt to the high and low-temperature harsh environment and other advantages. After the face comparison is successful, the camera can directly output the switch signal to the gate and door Forbidden, advertising door, and other equipment to complete the door opening action.

Product introduction:

The temperature measuring face recognition integrated machine adopts the international advanced neural network algorithm (CNN), which is a product formed after tens of millions of algorithm trainings. The functions of image acquisition, face detection, face tracking, and face comparison not only have a high recognition rate but also a fast recognition speed.

Offline dynamic portrait recognition machine, there is no need for pedestrians to cooperate with direct recognition, no computer control, and pedestrians can be recognized in motion, which greatly improves the ease of use for portrait recognition.

Produce the product can be used in any channel gates (three roller gates, wing gates, swing gates, speed gates, etc.), access control and advertising doors that are commonly used in the market Gate signal and Wiegand signal; can be widely used in their own door, community access control, school entrance, and exit, road gate passage, office building, subway, airport, high-end Scenes such as iron.

Functions:

- Huawei HiSilicon industrial-grade AI chip, embedded system, cold, and heat resistant.
- Binocular live detection, to prevent fraud on mobile phone photos, etc.
- Breakpoint resume transmission function, when the network fails, the data of personnel entry and exit are stored in the face terminal, and the network is automatically uploaded to the management background
- Can be connected to the national real-name system platform, supporting LED and LCD expansion
- Temperature measurement function, face recognition and temperature measurement function in one, cloud platform data real-time monitoring

Product Features

- Face detection technology based on improved multi-task cascaded convolutional neural network reduces the requirements for picture quality and greatly improves face detection
- Measuring speed
- The latest processor is equipped with a high-performance processor, which improves performance by 5-10 times, bringing super computing power to complex mathematical and geometric calculations
- 2 million pixels, high-definition wide dynamic camera
- Support face recognition in complex light environment, backlight, all black, and other environments
- Support 1: 1 face recognition and witness comparison, 1: N face recognition
- Support real-time snapshot of face, real-time storage and upload of snapshot photos in the background
- All-in-one machine completes face capture and comparison functions
- Face recognition speed ≤ 0.3 seconds
- The product has built-in high color rendering LED fill light source, which can effectively ensure even light on the face and face
- Humanized voice prompt function, broadcast verification results, voice can be customized
- Customize screensaver, open UI interface, get local weather in real-time
- Front tempered glass panel, the overall appearance is textured
- Adopt distance management and control, within 0.5-5 meters, and the capture distance can be controlled
- Support external or built-in IC, ID reader, ID card reader, QR code reader, not just brush face
- Personal ID integration function, read ID card information to match the live face in real-time
- The product supports the output of digital signals, which can be seamlessly connected with the gate and magnetic lock
- Support output 485 and Wiegand signal input and output, can be seamlessly connected with various access control controllers, support WG26, WG34
- 8 inch HD display, resolution 800 * 1280
- Personnel attendance management function; blacklist / whitelist management, the custom setting of entry and exit directions
- Real-name management system on the construction site, supporting the expansion of LED screens, LCD screens, etc.
- It can run offline in-network disconnection mode, without relying on computer control
- Watchdog design, automatic fault recovery
- Temperature measurement mode, enable temperature measurement and epidemic prevention mode

Products Specification :

Model Number	HC-SJP08S-T
Hardware	
CPU	Hi3516DV300
Operation system	Embedded LINUX
Panel	8"HD, Resolution 800*1280
Speaker	Built-in stereo speakers
RAM	8G
Face recognition Height	1.2-2.2 meters
Face recognition distance	0.5-5 meters
Face Posture	vertical viewing 30°, horizontal viewing 30°;
Response Speed	≤0.3ms
Face database capacity	Max support 30,000 faces
Local Storage	5 million records storage capacity
Recognition Rate	99.99%
Body temperature detection	
Theory	infrared thermal imaging
Temperature measurement accuracy	0.1°C
Temperature measurement accuracy	≤±0.3°C
Temperature range	30-50°C
Temperature measurement response	2s
Temperature measuring distance	≤0.5 meters
Protection level	IP64
Interface	
	RJ45 10M/100M Network Adaptation
	ON /OFF
	RS485 interface
	Wiegand output/input interface
	USB slot
	Reset
	DC 12V
Camera	

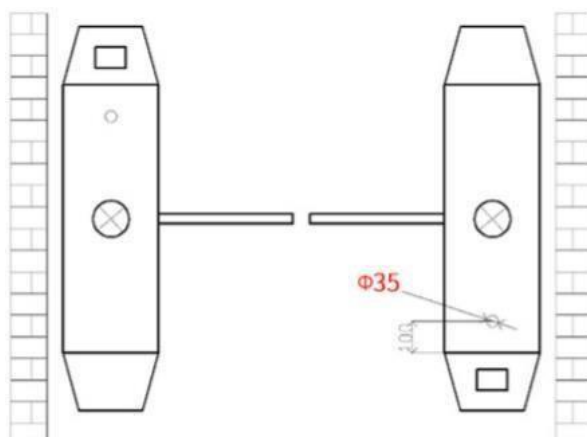
scanning frequency	25HZ
Sensor	1/1.8" SONY Starvis Back-illuminated CMOS sensor
Resolution	1928*1088
Signal to noise ratio	≥35dB
Range	≥105dB
Minimum illumination	≥0.01LUX at F1.2
Video compression standard	H.264/MJPEG
Video Stream	512KB~4Mbps
settings	Exposure (shutter), gain, contrast, saturation, brightness
Lens	CS lens
distortion	≤0.35%
Others	
Voltage	DC12V2A
Working humidity	5~90%relative humidity, no condensation
Operating temperature	-20°C~70°C
Size	242*135*25mm

Products size :



Opening size:

The opening diameter of the gate is 35mm (reserved without increasing the gap)



Interface:

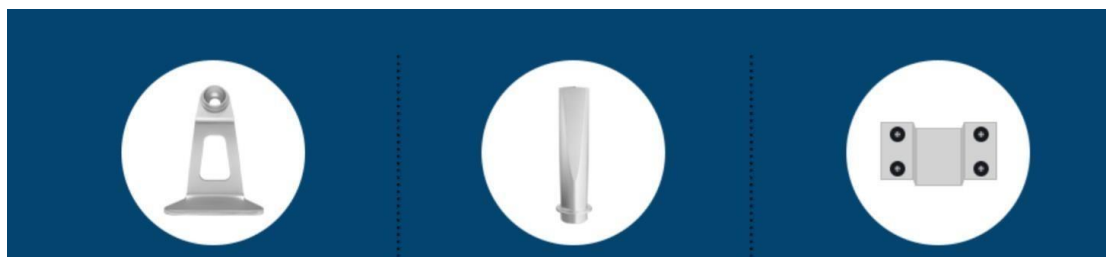


Three installation methods:

DesktopInstallation

FloorSupportInstallation

Wall-mounted



Accessories:

