8 inch thermal imaging temperature measurement
Face recognition specifications

Product characteristics

AUTOMATIC DETECTION

MASK RECOGNITION

SMART VOICE

IDENTITY VERIFICATION

CROWD MONITORING

DATA MANAGEMENT

Product advantage

① Adopt high-performance intelligent processor, face recognition algorithm based on deep learning, greatly improve the rate of face capture.

② Support real-time temperature detection and high temperature alarm.

③ Support face optimization, face enhancement and face exposure to improve imaging quality.

④ Support live anti-counterfeiting, based on facial biometric recognition, can not be replaced and copied, to prevent counterfeiting operations.

Non touch temperature measurement is safer
Voice Announcements

Identify success

Warning of abnormal temperature

Usage scenarios

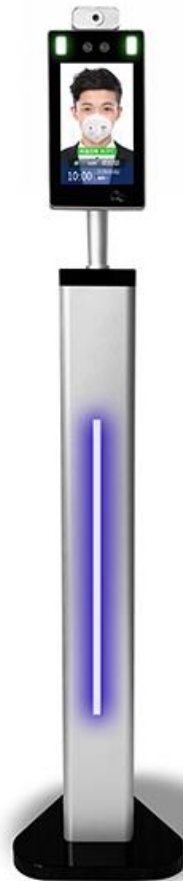| Entrance to campus community	Channel gate	Entrance guard	Detection pass
Campus community / Industrial Park	Office / site	Office area / company entrance	Entrance area detection

**Capture successful
Normal body temperature**
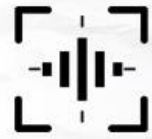
Normal body temperature/
Voice prompt/Face record

**Capture successful
Abnormal body temperature**

Abnormal body temperature/
Audible alert/Face record

Face recognition temperature measurement
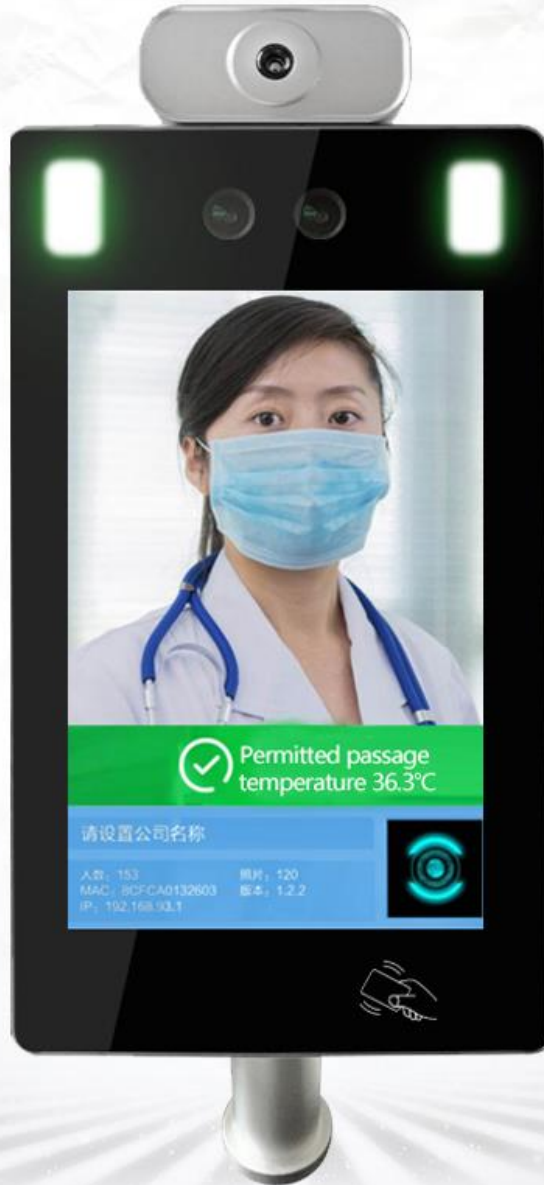

Face recognition
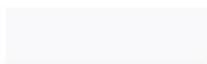
Fast recognition

Do not install software

Dynamic camera

Large recording capacity

Permitted passage temperature 36.3℃

Application scenario

With years of experience in the security industry and thermal imaging temperature measurement technology innovation, Sihovision has realized modern information technology as its support, and built a networked information system for human body temperature measurement that covers a variety of public places, including network interconnection, information resource sharing, and complete application functions. Combined with current biometric technology, thermal imaging temperature measurement technology, video intelligent analysis and other technical means, around "high precision, high efficiency, low cost, flexible deployment, safety and reliability", we will achieve "effective prevention, timely control and the grand construction goal of eliminating sudden public health incidents and their harm

Core Advantages

☐ Thermal imaging full-field temperature measurement characteristics, easy to screen abnormal temperature points in the area.

☐ Real-time temperature measurement response, real-time data analysis, improve temperature measurement efficiency

☐ Support compensation temperature and alarm temperature settings to improve monitoring efficiency

☐ The device satisfies face recognition, QR code recognition (optional), ID card recognition (optional), and swipe card recognition.

☐ Intelligent wide dynamic recognition camera.

☐ Multi-scenario application, which can realize multiple functions such as access control, education attendance, information release, recipe display, dish reservation, account recharge, videophone, public resource reservation, Classroom Internet & Etc.

Intelligent Features

☐ Adopt high-performance intelligent processor, face recognition algorithm based on deep learning, greatly improve the rate of face capture.

☐ Support real-time temperature detection and high temperature alarm.

☐ Support face optimization, face enhancement and face exposure to improve imaging quality.

☐ Support live anti-counterfeiting, based on facial biometric recognition, can not be replaced and copied, to prevent counterfeiting operations.

☐ Support multi-face recognition, multi-ethnic recognition, maximum face recognition mode, face recognition accuracy rate is at the forefront of the industry.

☐ Support multiple recognition methods such as swiping face and swiping card, swiping face or swiping card, face only, swiping card only.

☐ Support secondary development: open interface for face recognition algorithm manufacturers and software vendors to add value to applications.

Product Features

· List pre-authorization and self-authorization.

· The integrated design is adopted to ensure the safety and reliability of the equipment, and provide guarantee for the accuracy of identity verification.

· Support witness card identification and stranger warning function.

· The face recognition all-in-one machine supports personalized customization.

· Support cloud and local identification.

· Support to adjust the recognition distance.

· Equipped with offline and online 10,000 face database to support massive historical record storage.

· Fast and efficient, with high recognition accuracy and fast verification speed.

· Non-contact identification is completely different from fingerprints and punching methods, frees hands, and does not require special

cooperation to have a strong sense of experience.

・The situation of losing or forgetting to bring the identification card no longer occurs.

・The device will not be touched frequently, so the failure rate is low and the stability is high.

・Voice broadcast, user-friendly touch screen, simple and stylish interface.

・HD color screen and high resolution.

・Heat dissipation hole and speaker sound: The sound quality of the speaker is high, and the heat dissipation hole for the ventilation of machine temperature.

・Support Chinese and English switching, high-definition voice prompts.

・Support USB disk download and self-service report.

・Support multiple system functions such as access control, access and consumption.

・The Face Recognition Integrated System supports wall mounting and Standee Stand installation

Hardware & Technical Specifications	
Display	8 inches
Overall　Size	Length 284 * width 140 * height 29mm
Processor	High-performance 32-bit 4-core ARM chip
Flash	8GB
Measurement Mode	Thermographic temperature measurement
Measuring　Distance	0.3m - 0.8m (recommended 0.5m)
Communication Method	TTL
Temperature Measurement Accuracy	± 0.2 ℃ ~ ± 0.5 ℃
Operating　Temperature	-20 ~ 65 ℃ for
Storage　Temperature	-40 ~ 65 ℃ for
Power　Supply	3-5V
Electric　Current	3ma
Baud Rate	9600/115200
Default Automatic Output	14Hz

Frequency	
Wavelength Range	8 ~ 14μm
Temperature Output	Real-time parallel output
Temperature Correction	Manual and automatic calibration
Alarm Threshold	Adjustable
Wiegand Interface	Support Wiegand 26 Wiegand 34
Other Interface	232 TTL WIFI RJ45 USB
Style	Symmetrical design, can be hang horizontally and vertically
Camera	200w: USB connector, monocular wide dynamic, anti-glare
	Aperture 2.8, focal length 1.6mm, field angle 130 °, TV distortion <-5%, photosensitive area size 1 / 5-inch
	Pixel: According to customer requirements, ≥ 2 million pixels.
	Assembly angle: flat out
Image Sensor	6mm focal length, F2.4 aperture
Fill light	LED: white light, RGB camera fill light, a control interface in SDK
	NIR: 850nm infrared LED light, IR camera fill light source, with control interface in SDK
operating System	Android 5.1.1 or above
Input Power	DC 12V 2A
Backlight Recognition Iilluminance	<6000Lux
Effective Recognition Distance	0.5m-4m
Working Environment	Indoor and outdoor (with rainproof frame), 10 ~ 90% (non-condensing)
Operating Temperature	-20 ℃ ~ + 55 ℃
Card Reading Speed	0.2S
Matching	Matching
ID Card Reader	Support second-generation ID card recognition function, with control interface in SDK
LTE Function	Support 4G full Netcom Internet access function