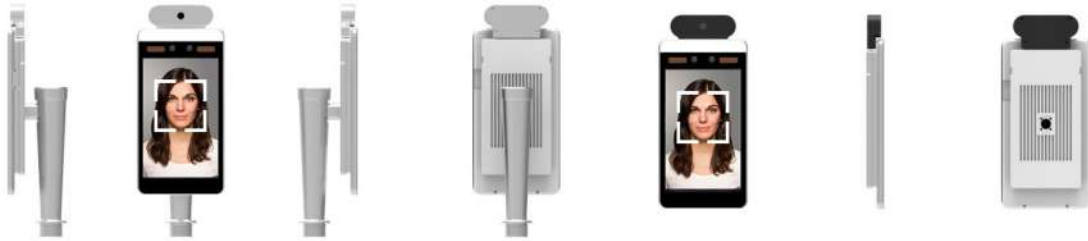


Face Recognition Intelligent Temperature Detection Series

Make Temperature Measurement & Epidemic Data More Intelligent



Floor-standing Face Recognition Temperature Measuring System SE-20102



(Walkthrough Face Recognition Temperature Measuring Metal DetectorSE-20103



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Product Description

Face recognition intelligent temperature measurement series is a temperature detection terminal for non-inductive body temperature measurement. It uses infrared thermal imaging technology to detect the temperature of passing people, at the same time, performs face recognition snapping and comparison of the detected persons and the body temperature status. Abnormal temperature will warn the staff to intervene and establish the first line of safety defense when passing.

The core equipment adopts a vertical structure display screen for measuring temperature, and a built-in high-precision infrared temperature probe, which can directly display the temperature value of the human face while measuring the temperature. Imported Germany Hyman temperature probes can be used in the recognition area with fast temperature measurement to ensure accurate and efficient measurement.

Face recognition is one of the most widely used technologies in the field of computer vision and is the core technology of this series of products. The whole set of technology starts with face detection, determines whether there is a face in the input image, and obtains preliminary information such as the position and size of the face. In order to improve the recognition rate, then image preprocessing is needed, and gray correction and noise reduction are used to improve the image quality and provides a better data foundation for subsequent operations. Then, it extracts face features and matches them with a large number of face samples in the database to finally generate target recognition results. For some higher security requirements, it is also necessary to determine whether the face target in the image is the user's real person through live detection technology .

The face recognition temperature measurement system expands the combination of body temperature detection and face recognition system, effectively reducing the cost investment of medical, educational institutions, government units, enterprise parks and other institutions. At the same time, it can be linked with related equipment and systems such as smart gates and epidemic intelligent management systems to seamlessly connect with the guest machine system, and synchronize the person's temperature and disease information through face recognition to establish data information related to temperature detection. It is helpful to analyze the rules of fever epidemic in depth, assist in researching and judging the trend of fever epidemic, and to achieve immediate detection and control, accurately lock out severe areas / units, and effectively monitor the implementation of epidemic prevention and control.

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Product Advantage

★ Wide Using Application

Suitable for schools, hospitals, communities, office buildings, shopping malls, public service hotels, access gates and other places that need to measure human temperature and need to effectively collect and analyze temperature measurement data.

★ Non-contact Temperature Measuring, More Efficiency

Non-contact temperature measurement, through infrared thermal imaging probe can quickly screen abnormal body temperature targets, screening accuracy is high, rapid differentiation.

★ Body Temperature Threshold Setting for Increase Safety Level

Supports body temperature screening. The terminal can set the safety threshold for temperature detection. When the safety threshold is exceeded, the sound and light alarm function of the temperature measurement device can be triggered.

★ Long-distance Detection

Super recognition algorithm, support face recognition and temperature detection distance of 0.2 meters to 3 meters.

★ Multiple Installation Method to Meet Different Scenarios

For the temperature measurement scenarios required in different places, the diversity of this series of products can satisfy more customer use scenarios and play the greatest role with less space.

★ Data Statistics

Real-time automatic record alarm times and the number of people passing, and send to the background management system;At the same time, the temperature detection data can be matched with the face and stored, synchronously transmitted to the background, to achieve the data summary and statistics.

★ Alarm Function

When abnormal temperature detection, support alarm light and sound, arbitrary adjustment Settings.

★ Software Platform Connect to Big Data

Support the platform data docking of various customers such as schools, government departments, enterprises and public institutions, support the multi-port data sharing, support the customized software personality development, can meet the requirements of more customers for data processing.

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Product Parameter

Product Model	Category	Feature
Camera	Resolution	200W
	Type	RGB+Infrared Sensor
	Aperture	4.0mm
	Focal Length	0-2M
	White Balance	auto
Screen	Size	8-inch, full-view IPS LCD screen
	Resolution	1280*800,brightness 400cd
Processor	CPU	4 core RK3299
RAM	DDR3	4GB
ISP	Image Processing	Built-in dual ISP
Local Storage	TF card	32GB
Accessory	Temperature Measurement	Thermal imaging temperature detection module (Hyman, Germany)
	Fill light	Infrared, LED fill light
	Card Reader Module (reserved)	IC/ID card reader, QR code reader,
	Network module	Support wired networking, 2.4G wifi, 4G network card
Port	Audio	All the way audio line out
	USB port	USB2.0 micro 2pcs
	Serial 232	2 RS232 interfaces, 1 WG input, 1 WG output
	Wiegand interface	2.5mmX2PIN
	Reset Interface	Side holes, external buttons
	OTG interface	1 way
Function	Temperature Measure Distance	0.2-2M
	Temperature Measurement Accuracy	±0.3℃
	Face Recognition Algorithm	Deepse
	Local (offline use)	Local 20000 face database
	Face Detection	Support simultaneous detection and tracking of 5 people
	1:N Face Recognition	Support 1 in 10,000 mis-recognition rate, 99% pass rate
	1:1	Support card authentication module (optional), ID card module can achieve 1: 1 face comparison
	Stranger Detection	support
	Distance Recognition	support
	Equipment (remote upgrade)	support
	Device Interface	Equipment management, rights management, personnel / photo management, record query, etc.
		IP level
Power supply		DC12V
Working Temperature		-10°—60°

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General Parameters	Working Humidity	10%—90%
	Static electricity	4K/8K
	Power consumption	5W MAX
	Installation method	Wall mount, desktop stand, gate installation, floor stand

Product Specification

Module	Function	Brief Introduction
Display Interface	Boot interface	neutral (can be customized)
	Verification Interface	Including display (please check in) prompts, network signals (whether bound / connected to the Internet), time, date, week. Pop-up prompts for abnormal network connection, notification display, ID information, and prompts for successful or failed authentication can be customized. Version number, number of people, number of base library pictures.
	Menu Interface	Menu style and human-computer interaction, how to enter other modules, management, etc.
User Management	User Adding	Add people on local apps
	User Delete	Delete people on local app
	Unlock Rules	Opening time after verification is passed
Device Management	Wigan / RS232	Wigan format 26/34, RS232
	Language Setting	Simplified
	Network Setting	Wired, wireless, 4G
	Time Setting	Time, date, time zone, settings (manual setting or server synchronization)
	Voice Setting	0-10 (0 is mute, default is 5)
	Brightness Adjustment	1-10 (Default is 5)
About the Device	Date of Manufacture	Device manufacture time
	Serial Number	Device serial number
	Manufacturer	Manufacturer name
	Device Model	Device model
	Hardware Version	Current hardware version
	Detection Upgrade	(reserved)
	Help	Help-Documentation
Others	Else Function	can be customized
Remarks	Column Type、Metal Detect Type(Please refer to product sheet for detailed parameters)	

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Back-End Management Platform

For management operators and companies using face recognition temperature measurement systems, they can manage their deployed projects, callbacks, access control equipment, personnel, identification records, temperature measurement records, etc. through the platform to ensure that the face recognition temperature measurement system can work normally And flexible configuration, enterprises can centrally manage projects, personnel, etc.

No.	Module	Function	Brief Introduction
1	Project Management	/	Provides functions for project creation, detailed viewing, editing, and deletion.
2	Callback Management	/	Provide callback add, detail view, edit, delete, search and other functions.
3	Device Management	Device List	Equipment addition, detail view, parameter setting ,settings, edit, delete,query, etc.
		Device	New equipment group, detail, view, editing, collection, deletion, personnel synchronization, personnel synchronization history, query,etc.
		General Rules	Provide functions for creating, editing, deleting, and querying traffic rules.
4	Personal Management	/	Provide personnel add, view details, edit, delete, query, etc.
5	Identification Record	Access record	Provides viewing and checking of successful face recognition records, Inquiry,etc.
		Stranger Recognition	Provides viewing and checking of face matching failure records, Inquiry,etc.
6	Personal Center	/	Provides access to personal account information and password modification,etc.

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System Platform Operation Interface

The screenshot displays the 'FaceOpen Face recognition system' interface. At the top, a navigation bar includes 'Function navigation', 'Record query', and 'Personnel management'. The main content area features a grid of icons representing various system functions:

- Staff structure**: Organizational structure, personnel information, face photos and other information maintenance.
- Access control**: Access control period, access permission setting and other related operations.
- Attendance Management**: Shift setting, layout, attendance details, attendance statistics.
- User Management**: System users, role permissions management.
- System Configuration**: System parameter configuration.
- Equipment management**: Face machine, device parameter configuration.
- Record query**: Face recognition, witness comparison query.
- Consumption management**: Consumption period setting, consumption records, consumption details, consumption statistics query.
- Visitors management**: Visit login, visit record query.
- System Log**: System operation log.

The interface is branded with 'FaceOpen' and 'Face recognition system' in the top right corner. The user 'admin' is logged in, as indicated by the name in the bottom right corner.

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Function navigation: record query, personal management, visitors management

admin

printing

1 Face photo registration

2 visiting information records

3 Device authorization

Validity: 2020-03-05 12:50:34 --- 2020-03-05 12:59:59

Device name

Device authorization

confirm

connect camera

Serial number: COM1

Identity read connection failed

visit date: 2020-03-05

today visit 0

operation name	ID Card number	company	interviewee	visit date	departure time	status	reservation

no date

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function navigation

record query

personal management

personal management

Cancel/ation of personnel Classification management

department sheet

Shenahenlonghua * middle school

- Junior high school
 - first grade
 - class 1
 - class 2
 - class 9
 - second grade
 - class 1
 - class 2
 - class 9
- Senior high school
 - senior one
 - class 1
 - class 2
 - class 3
 - senior two
 - senior three
- Academic Office
- Teacher Group
- Administration Section
- foreign teacher group
- Logistics office
- Bank office
- Purchasing Department
- Security office
- Security Team
- Temp team
- Department user not assigned

personal ID personal Name card num. Photo registration department position Group ID card num. gender class Education Hometown address Tel Date of entry

research export print

工号、姓名、卡号、身份证号、部门名称

No data

activation windows transfer the setting to activation windows