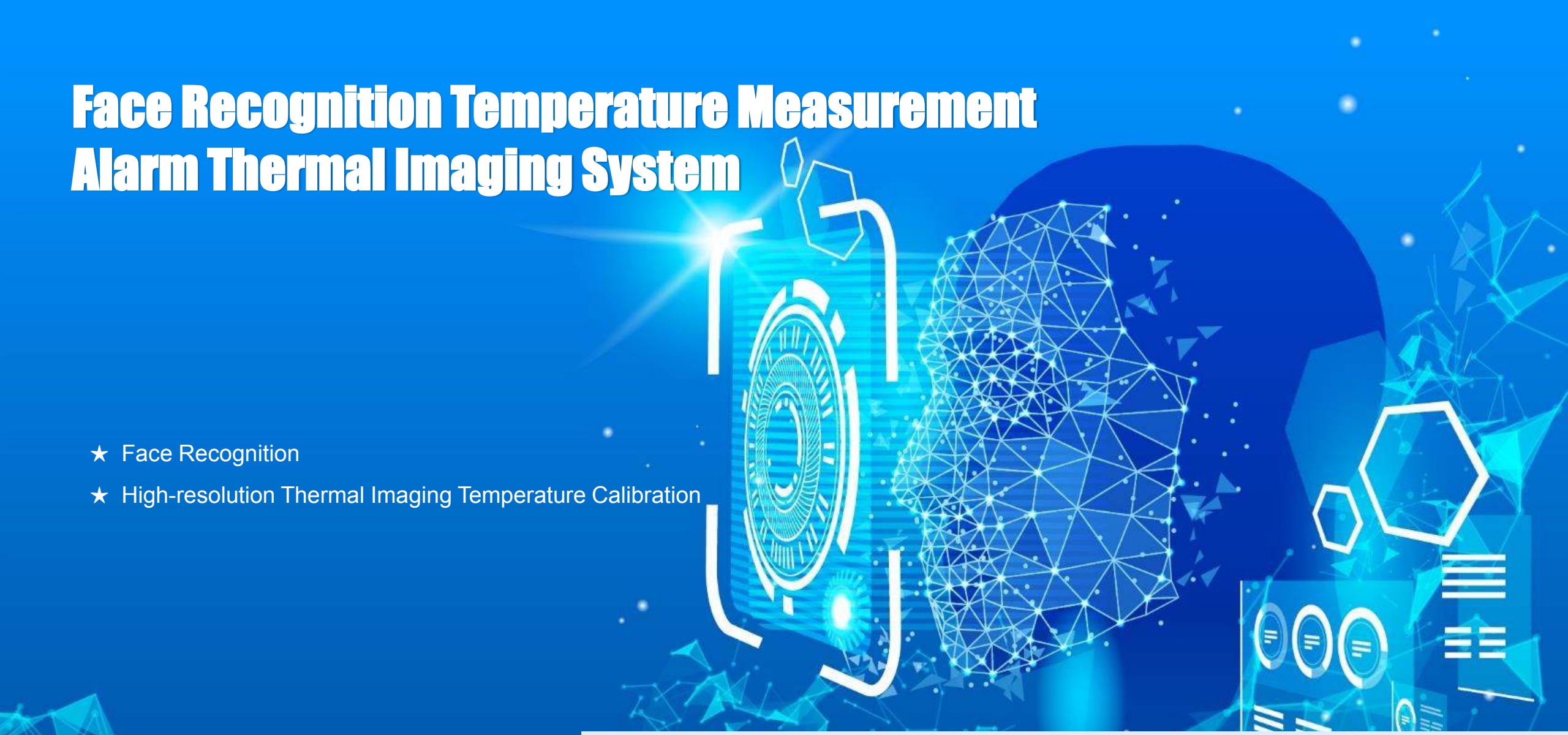
Face Recognition Temperature Measurement Alarm Thermal Imaging System



★ Face Recognition

★ High-resolution Thermal Imaging Temperature Calibration

DGATE™

www.turnstilecenter.com

Are you still using a temperature measuring device without a data platform?

At present, the market is full of infrared single-point temperature measurement equipment, forehead measurement, wrist measurement, and other methods. Such temperature measurement methods cannot meet the import and output of data. Statistics and analysis of individual measured temperatures.

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Our Product

Our Products

Multi-port Data Input and Output

10/100M, USB interface, serial port 232, Wiegand interface, reset interface, OTG interface, adaptive Ethernet RJ45 network port.

Platform Support

Face collection and comparison, support data analysis, statistics, classification, and query data functions for face comparison results and temperature monitoring.

Big Data Statistics and Traceability

Perform statistical analysis on the body temperature data of the personnel, trace the source of the body temperature data to the personnel with abnormal body temperature, and trace the nodes with abnormal body temperature.

Data Matching and Storage

Face recognition and temperature measurement results are automatically matched and stored.

Product Display

Facial Recognition Type

Model: **ACS-FR-HG08B**

Floor-standing Type

Model: ACS-FR-HG08B

Metal Detector+Face Type

Model: ACS-FR-HG09

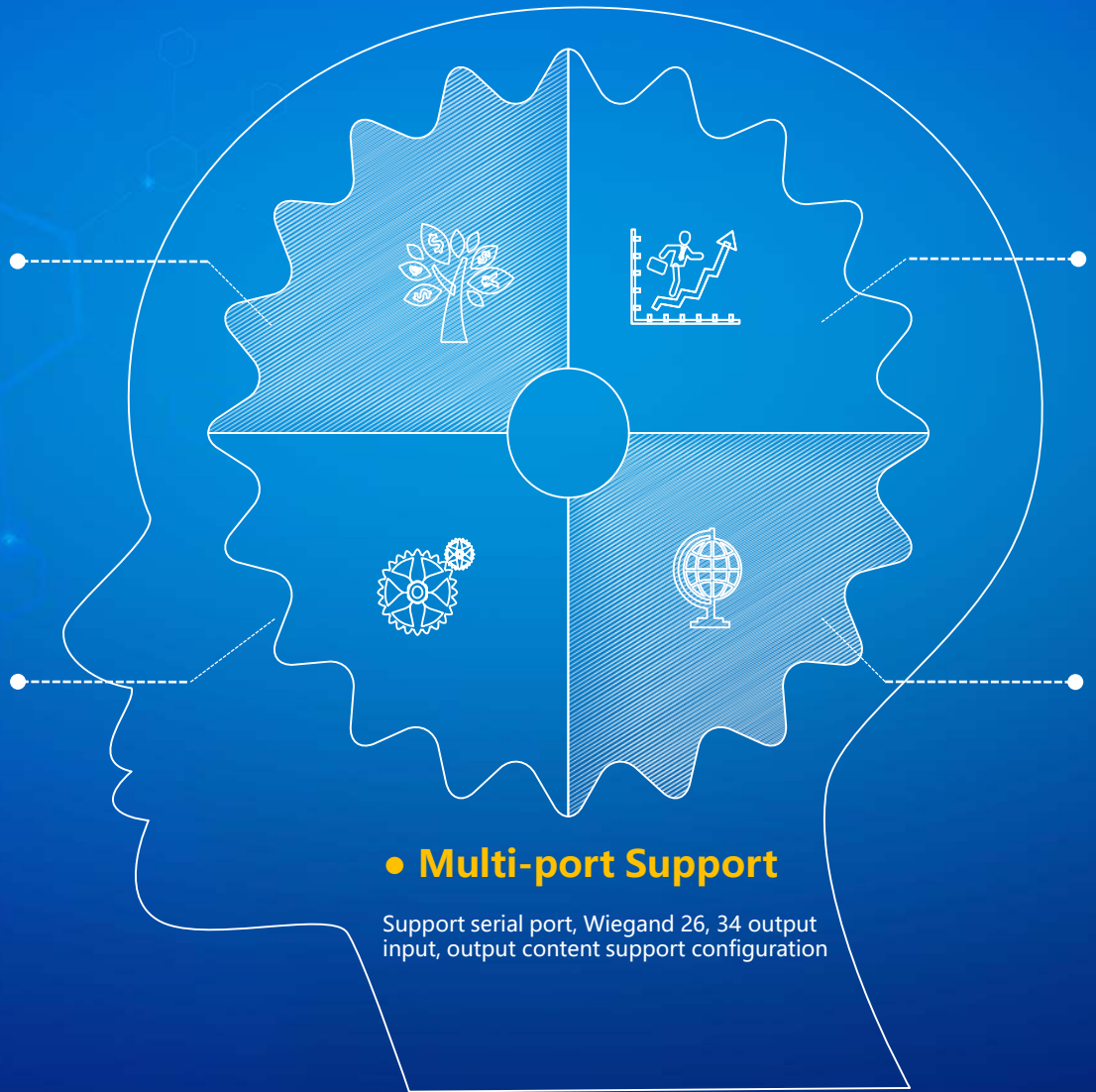
Product Functions

• Infrared Temperature Measurement

100MS temp measurement (within 0.7 m), ± 0.3 ℃ temperature measurement accuracy, suitable for indoor windless environment

• Face Recognition

100MS accurately recognizes human faces, 20,000 face libraries, can resist non-living attacks such as mobile phones, computer photos, videos, black and white, color photos



• High Temperature Alarm

Real-time audible and visual alarm for abnormal temperature, dual authorization for face + temperature measurement, fast passage control

• Web Management

Upload the temperature identity information in time, the temperature data can be checked and traceable

• Multi-port Support

Support serial port, Wiegand 26, 34 output input, output content support configuration

Software Algorithms-Despise

1： N Face Recognition, face database supports 2W faces, top1 hit rate is 99.99%

1: 1 Authentication comparison accuracy rate is more than 99%

Fast Recognition Speed:

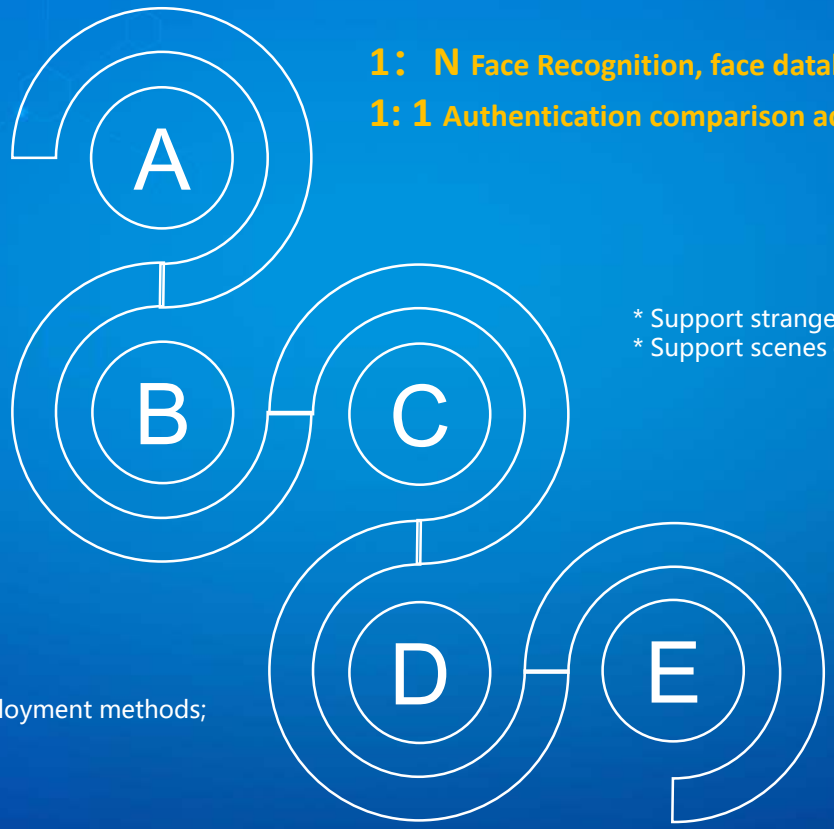
(A) Face tracking and detection takes about 20ms

(B) Face feature extraction takes about 200ms

(C) The time required for living face detection is 0.2ms;

Feature comparison takes 0.5ms

(10,000 face database, multiple recognition and average)

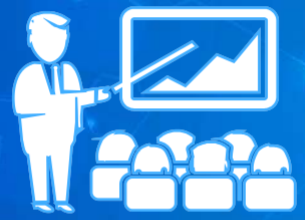


* Support stranger detection, stranger level configurable;
* Support scenes during face recognition or stranger detection photo save

* Support screen display content configuration;
* Support identification distance configuration

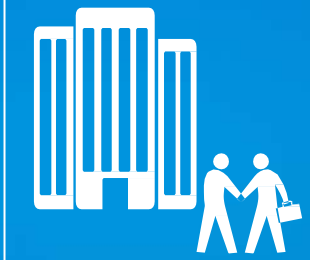
* Support public network and local area network deployment methods;
* Support HTTP, TCP interface connection

Application



School

Community



Office Building

Hotel

Hospital

Widely used in various public places and various places where face access control is required

Product Superiority

Integrated the terminal equipment & non-contact disinfection device as a whole set, the overall appearance is elegant, high practicality; easy plug-and-play, which is very convenient and flexible for installation; reserved data interface location, convenient for data import and output.

Floor -standing Type

Improved the facial recognitioin temperature measure system more perfectly and systematically. Both hardware and software effectively integrated with security-check equipment.

Metal Detector+Face Type

Product Superiority

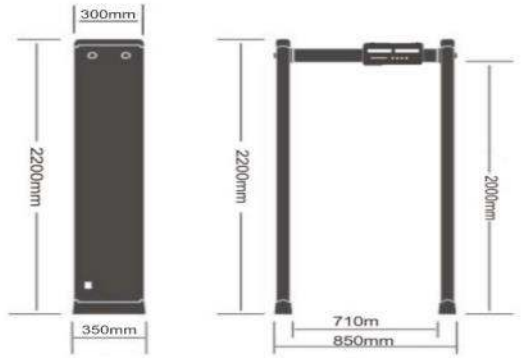
Pass Through Type

Pass+Metal Detector Type

Product Function

Product Size

Product Size



Packing Size

N.W./G.W.: 30KG/35KG
Size (Carton Box): 2300*325*460mm/ctn
Volume: 0.34m³/ctn
Wooden box (optional)

Specification Sheet

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	Despise
	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.
General Parameters	IP level	IP64,support waterproof & dustproof & outdoor use
	Power supply	DC12V
	Working Temperature	-10°—60°
	Working Humidity	10%—90%
	Static electricity	4K/8K
	Power consumption	5W MAX
	Installation method	Wall mount, desktop stand, gate installation, floor stand

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)	