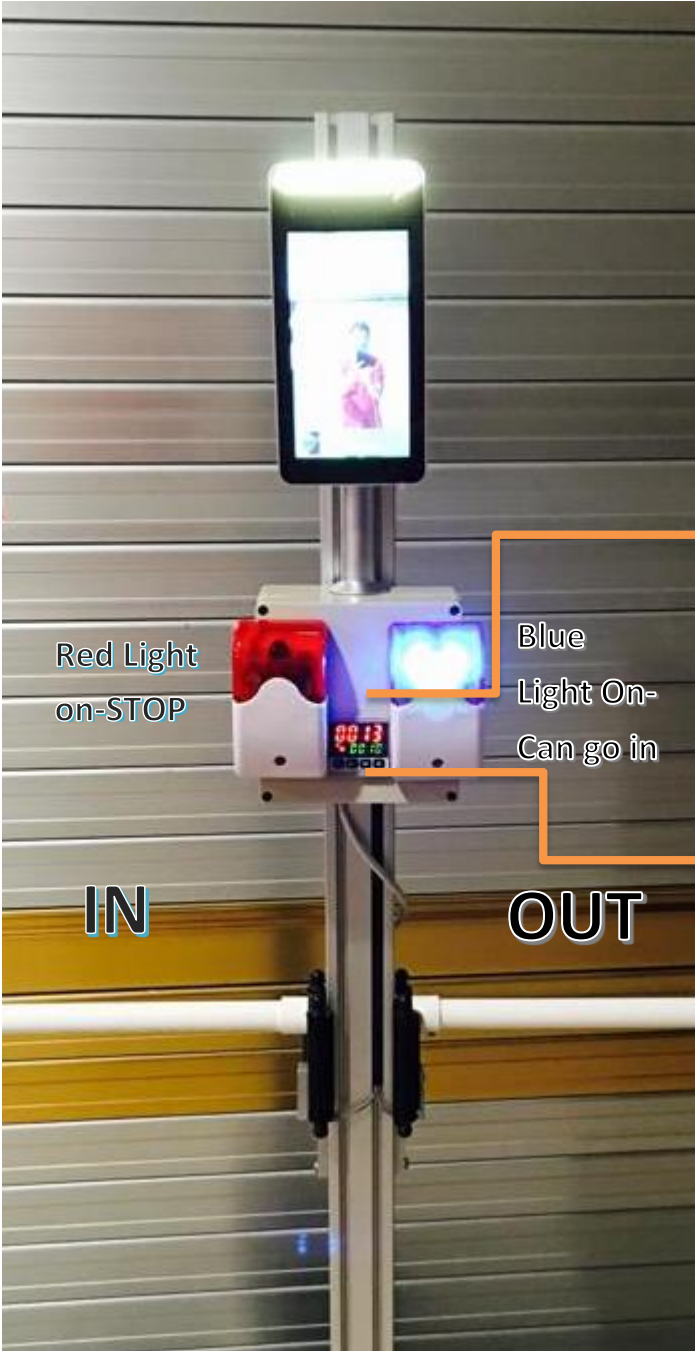


AI FACE RECOGNITION
Device guide



Model: F02GYW-10 10



+ - 0.3 Degree C

Standard System*

Visitor high from 1.4m to 1.9m. The temperature can be captured

Number of counts (people going inside) -after reduction of the people coming out.

Preset number of count inside. If same or above the count inside. Red light will turned on. If force to go in. Alarm sound.

1x Thermal imaging sensor

When the equipment is running, it detects the temperature difference and analyzes it. It will automatically warn when the detected temperature exceeds the set value.

2 x 2MP AI HD camera

The camera is analyzed by a database algorithm, Fast face recognition comparison, and judgment.

24 x LED white light

LED fill light can help camera system to shoot. Can fill the scene according to the actual situation.

2 x LED Infrared Light

Better capture of images at night to achieve more uniform light on the screen.

1.2 mm thick tempered glass

High-definition clear picture quality, no dropped frames,color balance.

7 inch IPS HD screen

Clear picture quality in HD No dropped frame color balance.

All aluminum body

Integrated aluminum alloy forming process to achieve uniform heat dissipation.



Product publicity effect

AI Ultra-precision Human Body Temperature Measurement Face Recognition Device

Assist in scientific epidemic prevention (FK02GYW)



Forehead temperature
measurement



Mask recognition



Identification



Fever warning



Data query



Functions and Features



Accurate Temperature Measurement

Error of plus or minus 0.3 °C



Two-eye recognition

Support two-eye live human face detection



Mask Detection

No need to remove the mask, automatically capture the face for identification



Fast recognition

200ms face recognition



30,000-Person Face

Support 30,000 local face storage



High Recognition Rate

Face recognition accuracy rate is as high as 99.5%



Fill-in light

Built-in fill-in light, low-light situations applicable



Embedded Systems

Low power consumption, high stability



Backstage Management

Abnormal records, equipment management, personnel management



Mobile APP


Visitor management, information push

Ensure safety during resumption of production

Combat the epidemic effectively

Temperature error range ± 0.3 °C


Detect body temperature accurately, intelligent warning in case of fever

Normal body temperature 

36.0°C-37.3°C

Hypothermia 

37.3°C-38.5°C

High body temperature 

More than 38.5°C



SECURITY

Eliminate the hidden danger of infection through traditional means of laissez-passer

 Traditional traffic	Vs	 Face traffic
Fingerprint identification, swiping the ID card		AI face recognition 0.5-1.3m can open the door
Direct contact, which poses a serious hidden danger of cross infection		On-contact, safe and reliable
		





EFFICIENT

Improve temperature measurement and disease prevention and control efficiency

 Manual temperature measurement	Vs	 Intelligent temperature measurement
Manual temperature measurement		Laissez-passer through face recognition Complete temperature measurement at the same time
Close distance when measuring temperature		No need for second manual intervention
		

INTELLIGENT

AI intelligent disease prevention and control, intelligent data analysis

 Manual prevention and control	VS	 Smart temperature measurement
Manual disease prevention and control, manual data analysis Labor-intensive and time-consuming, with possibilities of errors and missing out data.		Face recognition+temperature measurement dual identification Record entry and exit information and temperature information of entry and exit personnel quickly.
		

Application cenario



Product specification and parameters

System	
Main Processor	MX3520
Operating System	Embedded LINUX
RAM	DDR3 512MB
ROM	EMMC 8GB
Screen	
Dimensions	7 inch IPS HD LCD screen
Resolution	736*1280
Camera	
Type	2MP night vision living detection camera
Sensor	1/5" GC2145
Resolution	NIR 800*600 15fps
Lens	2.4mm
Camera	
Type	Daily camera
Sensor	1/2.8" SONY Starvis Back-illuminated CMOS sensor IMX307
Resolution	Color 1920*1080 30fps
Lens	4.5mm
Body temperature detection	
Measuring site	Forehead
Temperature range	36-42 °C
Temperature measuring distance	0.5-1.3m, 0.75m is the best
Temperature measurement accuracy	± 0.3°C
Temperature measurement response	Face library people: 1.5-2s, Strangers: 2.5-3s
Face recognition	
Detection Type	Support living detection, Mask detection
Face recognition distance	0.5-2.3m
Face database capacity	Max support 30,000 faces
Face Posture	(Daytime) vertical viewing 58°-60°, horizontal viewing 35°; (Living body) vertical viewing 48°-50°, horizontal viewing 36°
Occlusion	Ordinary glasses and short sea retention have no effect on recognition.

Real scenario solution case



Recommended solutions for public transportation

Contact-less induction

Fast face recognition

Highly-efficient laissez-passer

200ms fast identification

Intelligent fever warning

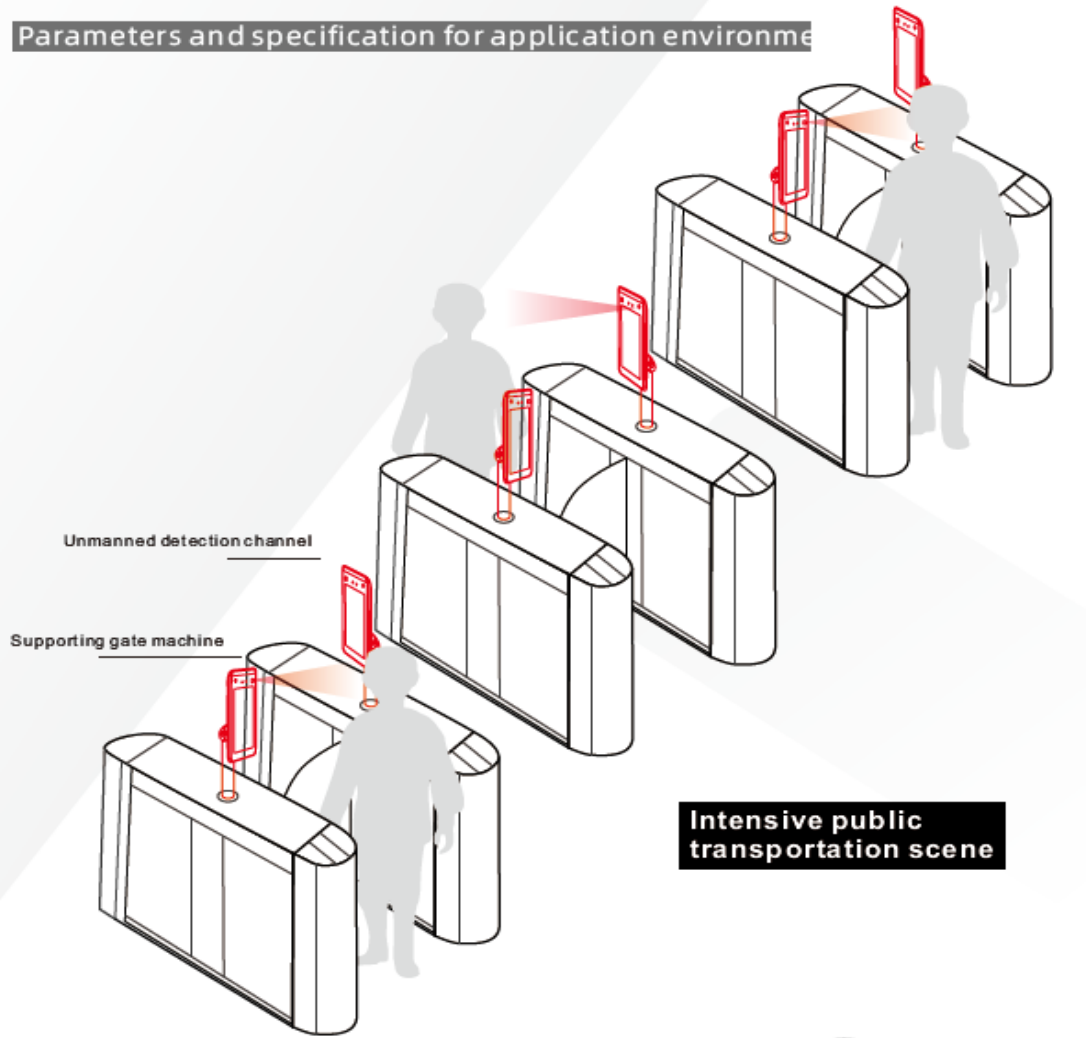
When the temperature exceeds the set value, the device voice broadcasts and abnormal

Statistics are recorded

When a person does not wear a facial mask, the device voice broadcasts and abnormal statistics are recorded



Parameters and specification for application environment



Intensive public transportation scene

