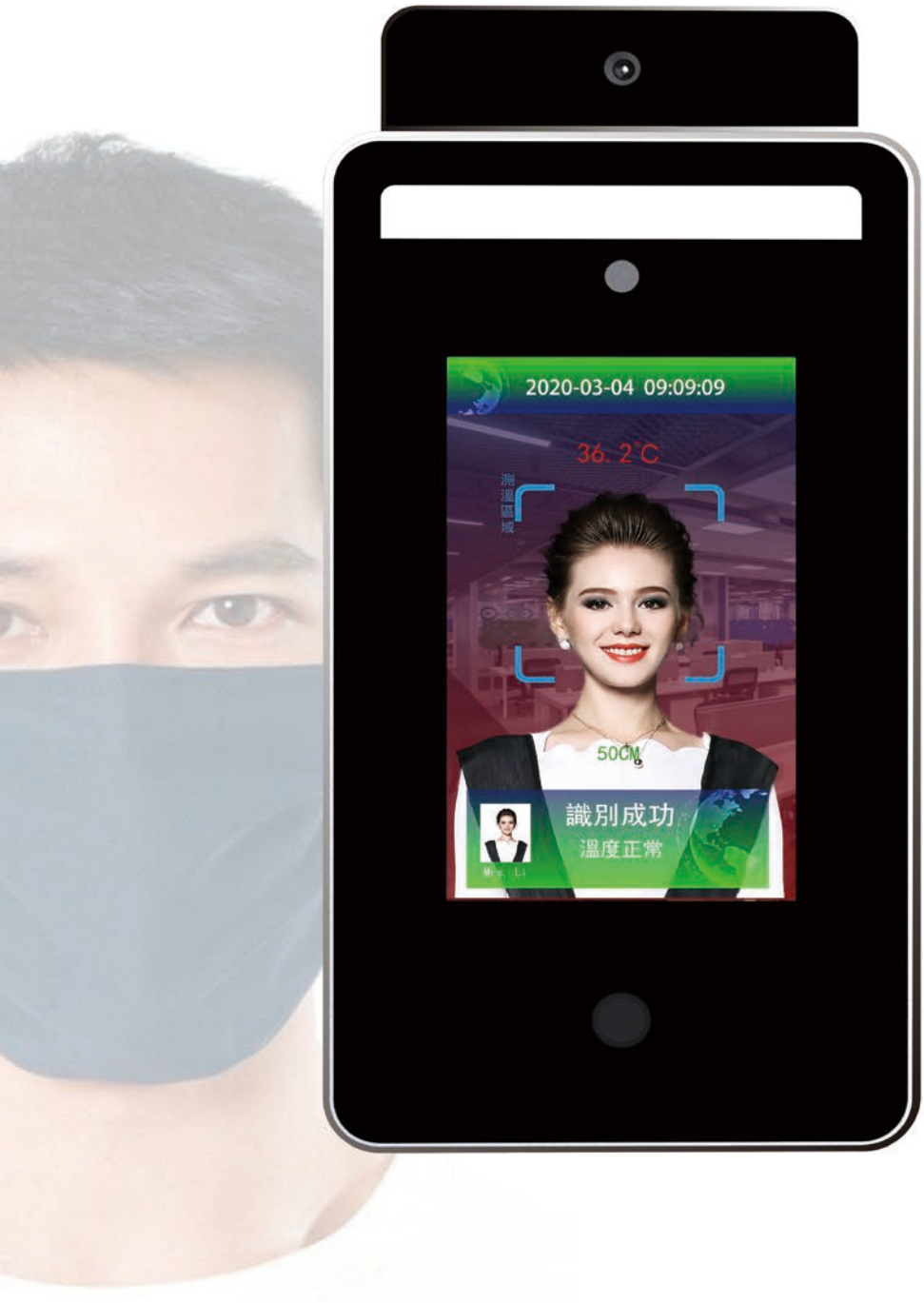
Face Recognition with Infrared Thermometer Sensor

7-Inch with infrared Thermometer and Distance sensor

YF120



1. Product introduction

YF120(7-Inch with infrared Thermometer and Distance sensor)

The system is built on face recognition algorithm and infrared temperature measurement algorithm. Its functions included living face recognition function, temperature display function, ultrasonic dynamic distance measurement function, and fever temperature alarm function. Forming a new "face comparison + temperature detection" biometric testing solution, which meets a variety of application scenarios. The device opens the interface to the customer for secondary development, which helps to meet different needs and to fight for the Corona-Virus and various fever and disease!

2. Product Features:

* Face Recognition: Adopts the global leading face recognition algorithm to detect human face,with adjustable thresholds, which can support face recognition with mask on.

* Temperature detection: is carried out by medical accuracy non-touch infrared body temperature detection module;

* Industry initiative: ultrasonic real-time dynamic distance sensor to ensure the most effective temperature capturing distance;

* High temperature alarm with adjustable safety temperature range: When the temperature is abnormal, the device automatically sounds the alarm and not trigger the door opening signal, also capturing the head image as evidence;

* Adopts the mature industrial graded Android RK3288 main board, a powerful platform to ensure stable operation of the device;

* Wide-range dynamic camera and LED flash light: ensure to capture a bright face in a gloomy environment;

* Provide SDK secondary development package (free of charge) and users can integrate the device into their own application;

* Support standard door opening output signal, including RS485, switching value, which can be used for communication with different gates and access control equipment;

* Support cloud and local identification;

* Support the storage of more than 10000 faces, support living detection, and recognition speed at 0.4s;

* Various installation scenarios: wall hanger, turnstile support, and free-standing support.

3.Function highlights

1. Medical- Grade Body Temperature Detection Module. Tolerance: ± 0.3℃
1. Highlighted LED supplementary Light
2. Anti-backlighting Wide Dynamic Camera, Read range: 2 meters
3. 10000+ date base, liveness Recognition Algorithm, Identity Speed: 0.4Sec
4. Custom Face Algorithm Calibration Threshold, Face with Mask Could be rececogzized.
5. Precision Distance Measuring Detector Bases On Ultrasonic Technology.
6. SDK interface

3.1 A alarm of abnormal temperature

Normal temperature

Abnormal temperature

4.Specifications

YARMEE Face Recognition System with Infrared Thermometer YF120		
Face Recognition		
System Specs	OS	Android 6.0
	CPU	RK3288
	RAM	DDR3 2GB
	Flash	EMMC 8GB
	Panel	7 Inch IPS 800x480 Solutions
	Touch Panel	G+G Capacitive touch panel
	Camera	Single Camera: at RGB 500 Megapixel, Supports wide range, dynamic capturing, dynamic range 115dB, Supports anti-bright lighting and Anti-backlighting
		Duo-biometric Cameras (optional)
		3D Structure Light (optional)
	Liveness Detection	Support
Back-up light	LED	White, RGB camera back-up light
Hardware Functions	WIFI	802.11b/g/n，2.4GHz
	Ethernet	10M/100M Self-adaption
Speaker	Speaker	4Ω/1W
Dimensions	External (mm)	153（W）x 284(H）x 31(D）
Working	Working Temperature	-20 ~ 55℃

Environment	Humidity	10 ~ 90% (Non-condensation)
Power Source	Power	12V/3A
	Adaptor	Input AC 220V， Output DC 12V/3A
Connectors	Power, Ethernet,USB, RS485	
Ultrasonic Detector		
Range	0.3-2.0M	
Precision	±1cm	
Speed	≦25ms	
Test Standard	Conform with IEC61000-4-2 Electrostatic Protection standard	
Infrared Thermometer		
Resolution	32*32	
View Angle	33°*33°	
Test Distance	0.5-1M（the best testing distance at 0.5m under 16℃-35℃ room temperature)	
Precision	±0.3℃	

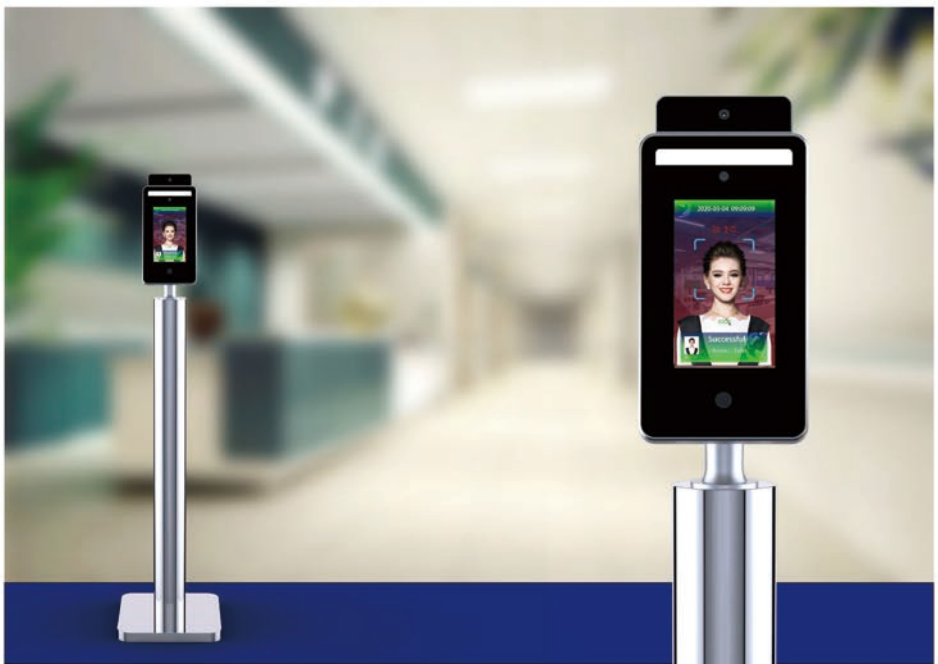
Option parts	
Supporting Brackets	Wall hanging bracket, Turnstile bracket, Freestanding bracket
Factory accessories	Speed gates, Tri-pod turnstile, Swing turnstile, and other factory accessories

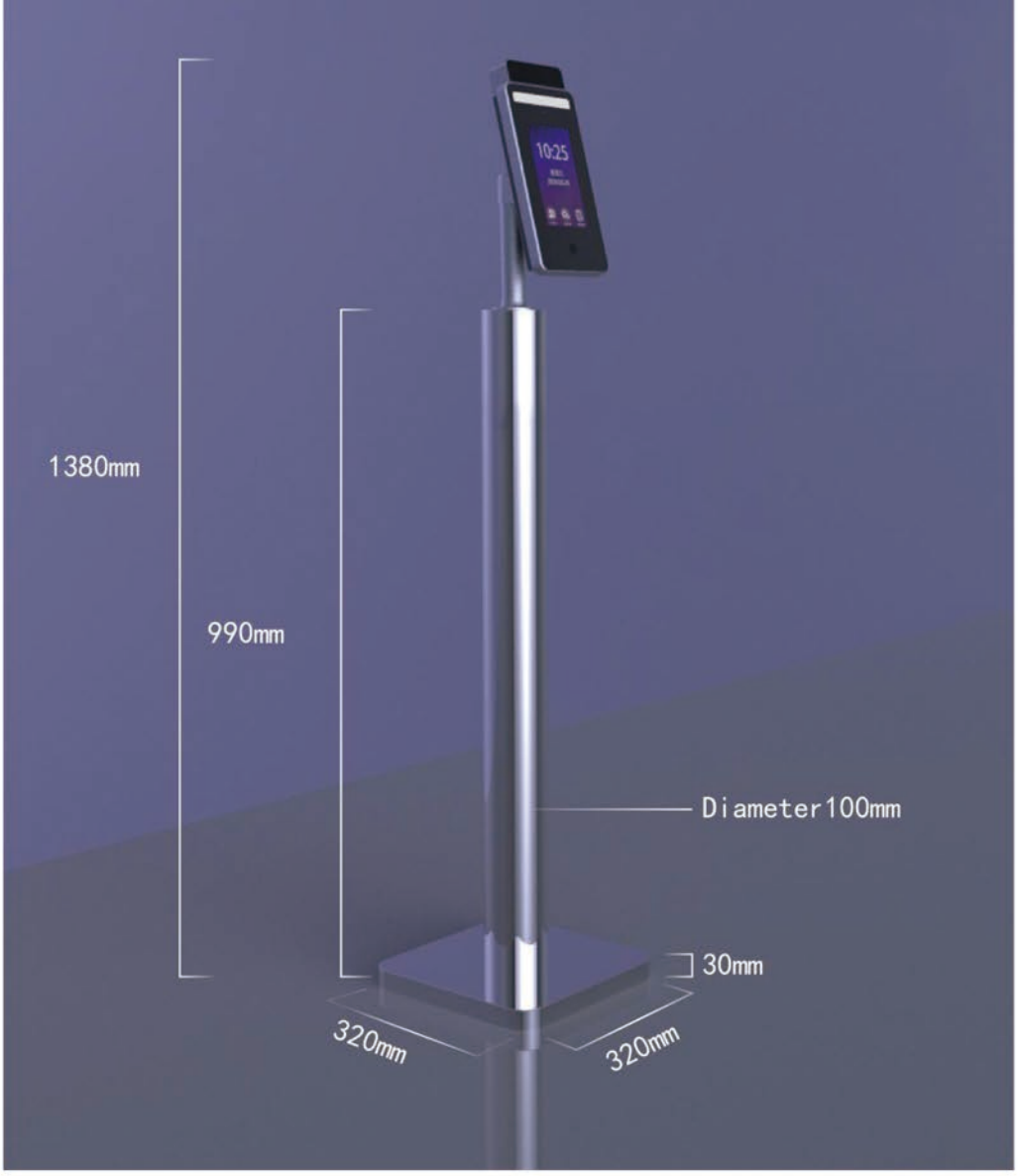
5. Applications

It is suitable for enterprises, factories, schools, communities, airports, hotels, hospitals and other public places where people gather. It can be used as a face recognition attendance machine, an entrance gate, and an access control device. It can be configured with a bracket and customized software according to the scene.

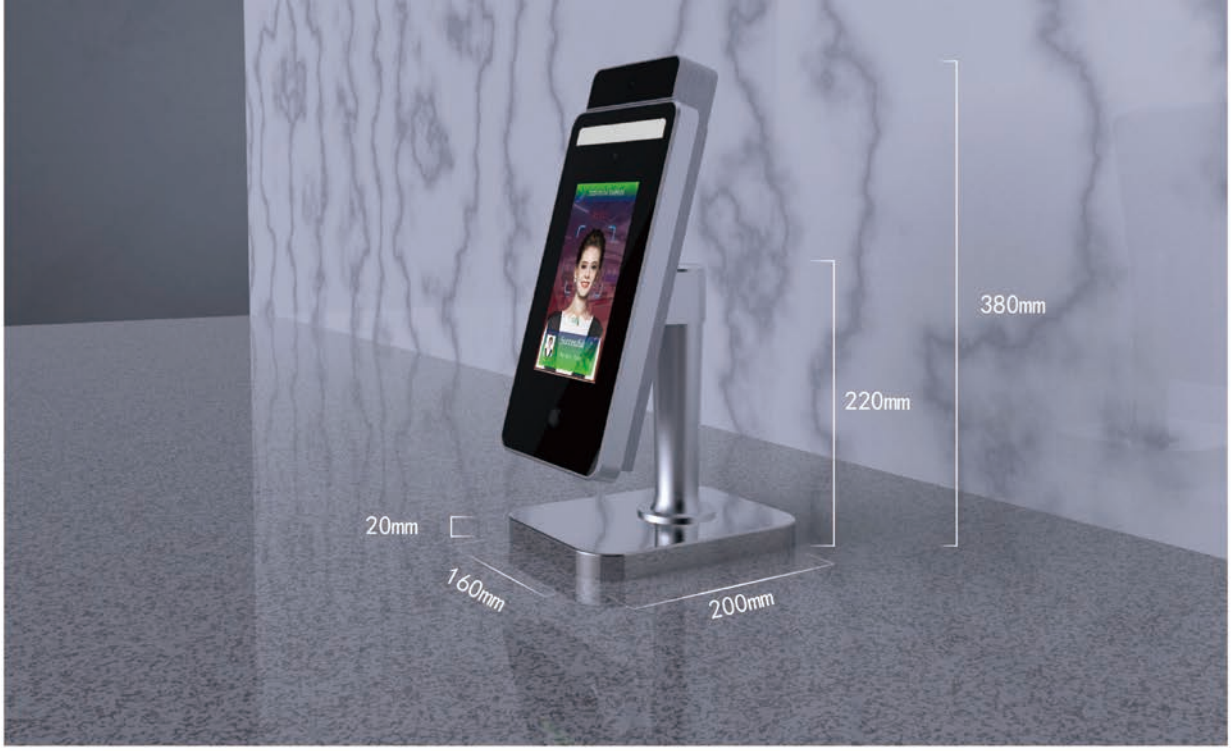
6. Supports 3 types stand

6.1 High column mounting bracket





6.2 Freestanding bracket



6.3 Wall hanging bracket