Face Recognition Temperature Measurement Series

7-inch stand mounted thermal panel

7-inch stand mounted thermal panel, temperature measurement terminal integrates the industry-leading visible + NIR binocular camera, deep learning face recognition technology and high-accuracy infrared temperature measurement technology. On the basis of face recognition identity access authentication management, it supports non-touch temperature measurement, rapid screening, automatic alarm and automatic detection of mask wearing or not.

Ccompared with the problems of long temperature measurement time, low accuracy and complicated operation of the touch thermometer, this terminal measures the fixed point temperature of the forehead, obtains the human body temperature after infrared temperature correction algorithm and body temperature compensation algorithm, adopts high accuracy temperature measurement solution with average speed 500ms,±0.3℃ accuracy.

Recognition rate>99.5%   Best distance 40CM

Recognition rate>85%   High accuracy

Features:

●Face recognition

Binocular live body detection technology, effectively prevent the attacks such as photos, videos and models, etc. 99.5% recognition rate; Recognition speed<500ms; 2 face libraries, total support 50000 faces. Multiple arming periods settings;

●Temperature measurement:

High accuracy temperature measurement module; Measurement accuracy: ±0.3℃; Best distance:40CM; Abnormal temperature alarm (threshold adjustable)

●Face recognition + mask detection:

Face + mask recognition rate 85%, mask wearing tip;

●Voice broadcast: face recognition result, temperature normal or abnormal and mask wearing broadcast

●T Max.100000 records save or export

Product Name:

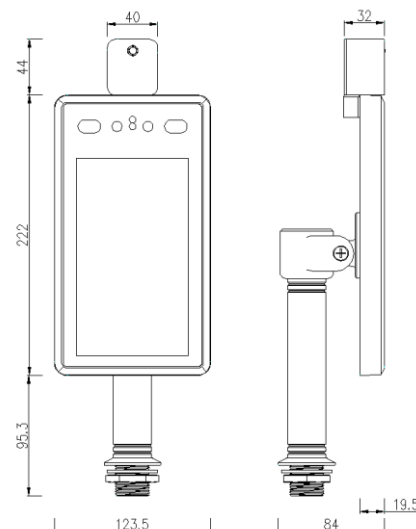7inch stand mounted face recognition thermal panel

Order model:

iHM42-2T07-T4-EN

Application:

Widely used in the high-traffic crowd entrances: community, hospital, enterprise, scenic area, stations, airport, school, shopping mall and hotels, etc.

Dimension

Specification:

Model	iHM42-2T07-T4-EN		
Smart Function	Face Recognition	Live body detection	Visible light + NIR binocular camera, accurate recognition. Live body detection and accurate recognition under various environments. Resist on the non-livings such as photos, videos and face models.
		Face comparison	Built-in database, supports face capture and real-time comparison with the local data, and create a comparison log
		Recognition accuracy	≥99.5%
		Recognition type	1: N
		Recognition speed	<500ms
		Recognition distance	0.5-2m
		Recognition Height	1.2-2.2m, angle adjustable
		Vertical angle	60°
		Horizontal angle	40°
		Multiple recognition mode	Face recognition, face recognition + temperature measurement, temperature measurement, Face recognition + mask detection + temperature detection and other recognition modes
		Face library	Supports max. 50000 pcs of faces
		Comparison records	Max.100000 records, export available
	Temperature measurement	Temperature measurement environment	10-35 (℃) (the best working temperature for body temperature measurement is 16~32℃), there is no wind in the room (see note for details)
		Accuracy	±0.3℃
		Range	30-45(℃)
		Temperature measurement method	Array
		Best distance	40CM
		Response time	＜300ms
		Alarm	Abnormal temperature alarm (threshold adjustable)
	Face + mask detection	Accuracy	≥85%
		Mask wearing alert	Voice broadcast

	Voice broadcast	Multiple mode	Face recognition authentication result broadcast, temperature normal or abnormal result broadcast and mask wearing or not alert broadcast
Hardware	Image sensor	Sensor type	1/2.8" Progressive Scan CMOS
		Effective resolution	2.0 mega-pixels, 1920*1080
		Min. Lux	Color 0.01Lux @F1.2(ICR); B/W 0.001Lux @F1.2
		SNR	≥50db(AGC OFF)
		WDR	≥80db
		Lens	Binocular camera: visible light lens + NIR lens
		Lens	4.5mm
	Screen	Size	7 inch
		Resolution	600*1024
		Display scale	16:9
	Audio	Speaker	2* (8Ω 1W)
	Interfaces	Network	RJ45 10M/100M self-adaptive Ethernet port
		Wiegand port	Wiegand input and output support, support standard 26bit/34bit format
		Alarm output	1ch
		USB port	1ch (connect the external ID identifier)
	Others	Power supply	DC12V±25%
		Power consumption	20W(MAX)
		Protective grade	IP34
		Working temperature	-20℃~60℃（Access control product）；10℃~35℃ （Temperature module）
		Working humidity	5~90%, no condensation
		Dimension	123.5(W) *84(T) *361.3(H)mm
		N. weight	1.4kg
		Stand diameter	27mm
		Remark	Default DC12V power adapter

Interfaces

NO.	Name	Mark	Instruction
J1	Wiegand output	WG OUT	Recognize the output result or connect other WG input devices
J2	Wiegand input	WG IN	Unavailable
J3	Alarm output	ALARM OUT	Switching alarm signal output
J4	USB		Connect the ID identifier or other USB devices
J5	DC12V power supply	DC12V	DC12V±25%power supply
J6	RJ45		10/100Mbps Ethernet port

Notices:

1. **Temperature measurement device should be operated indoor during 10℃-35℃. Please do not install it near the vent or the heat source**

2. **Staff from the outdoor cold environment will affect the temperature measurement accuracy, please stay indoor for a while then continue measurement.**

3. **Device measured the forecast temperature, when forecast is wet or covered by other goods, the measured Temperature will be lower than the actual one.**