

**Specification of 10.1 inch Thermal Imaging
Body Temperature Measurement
Face Recognition**





1. Product description

AI thermal imaging face temperature detection intelligent terminal (model YBAI-D4-2) is a face detection and temperature measurement product that integrates face contrast recognition heating imaging non-contact temperature measurement module. At this time, the surface temperature of the human body can be measured by thermal imaging. The entire face recognition measurement process is a non-contact experience, and it is accurate, reliable, and efficient without perception. When the temperature of the detected person exceeds a certain threshold, the terminal's signal light will issue an abnormal warning and give a voice reminder.

Product design follows economical, practical, safe and stable design ideas, and provides a complete set of high-quality, advanced face recognition infrared temperature detection management system for intelligent traffic. The system design uses mature technology, stable performance, simple and stylish attendance temperature detection equipment and stability Efficient attendance management, which can meet the current attendance and traffic management needs, and can detect abnormal body temperature

2. Application

Suitable for office areas, hotels, office buildings, schools, shopping malls, shops, communities, public services and management projects where face access is required

3. Product Features

- (1) Embedded face recognition detection and living body recognition algorithm based on deep learning, with a recognition speed of less than 300 seconds;
- (2) Built-in thermal imaging temperature measurement sensor module, which can quickly measure the temperature of the human face (± 0.3) °C);
- (3) The host runs the Android 7.1 operating system and uses the latest face detection and recognition models to quickly capture faces, intelligent face quality judgment, and accurate face comparison and recognition;
- (4) Using the latest technology to extract face features , To minimize the impact of the contrast of the face angle, light, expression and other adverse factors on the results.
- (5) Integrated design, easy to install, simple and reliable
- (6) Living body detection, anti-counterfeit photos, no space to drill.
- (7) Strong environmental adaptability, high stability, worry-free recognition during the day and night
- (8) Signal free breathing light, display light color according to human

temperature information

4. Product Specifications

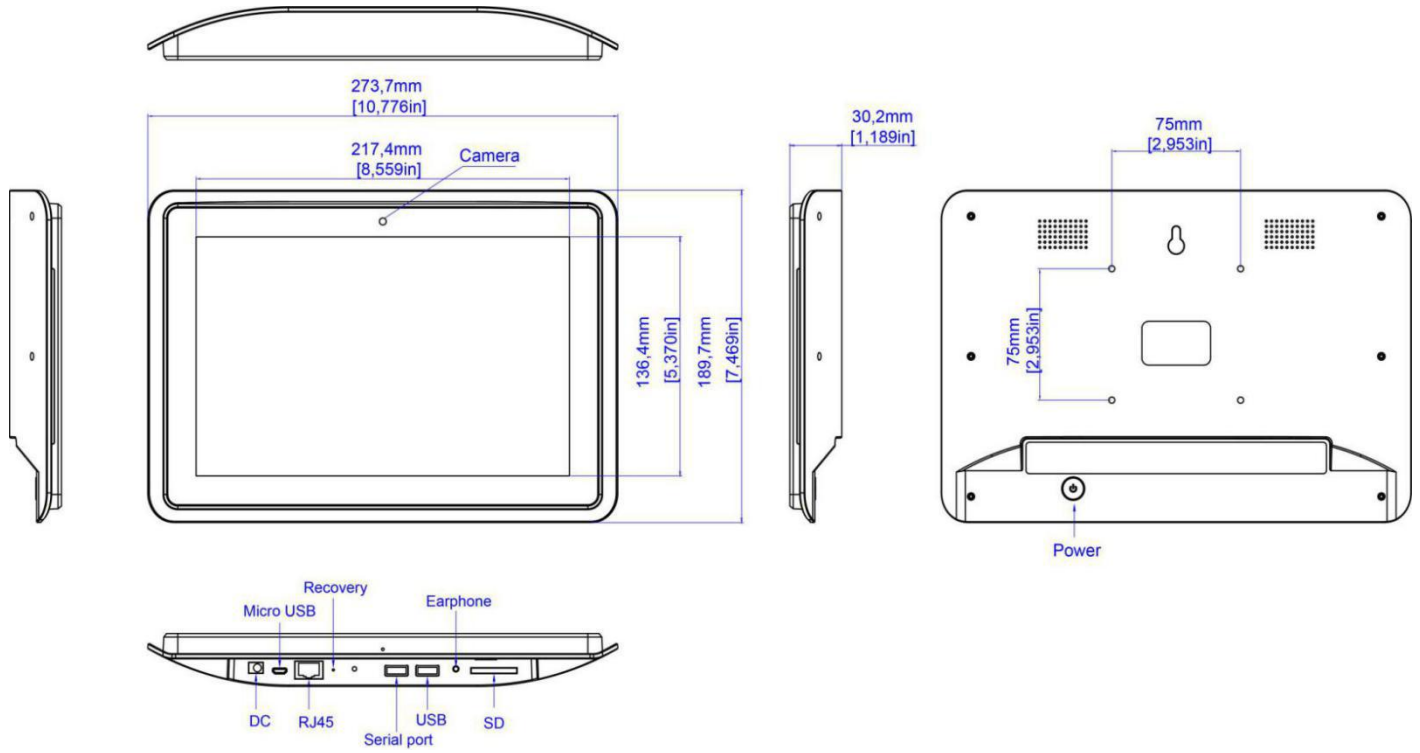
4.1 Specification Overview

Face recognition integrated terminal		
Product Model		HSD-F1-101
Screen Panel	Size	10.1inch, Full View, 170°IPS LCD scren
	Resolution	1280*800p
	Screen Area	216.96(H)x135.6mm(V)
	Display Mode	Usual Black, IPS
	Visual Angel	85/85/85/85
	Contrast	800
	Brightness	300cd/m2
	screen ratio	16: 10
System	CPU	RK3288,Quad-core,Cortex A17,1.8G
	RAM	2GB
	ROM	16GB
	OS	Android 5.1
	Touch Type	10 points capactive
Network	Wifi	802.11b/g/n
	Bluetooth	Bluetooth 4.0
	Ethernet	100M/1000M network port
Port	SD card	SD card
	USB	USB host
	Micro USB	Micro USB OTG
	USB	USB For serial
	RJ45	Ethernet Port(wuth POE functions)
	POE	IEEE802.3at/af
	DC	DC Power, 12V input
	Headset	3.5mm Stereo headphone output+speaker
Media Play	Video Format	MPEG-1,MPEG-2,MPEG-4,H.263,H.264,VC1,RV etc., The Max support reach to 4K video.

	Audio Format	MP3/WMA/AAC etc.
	Image format	J peg
Temperature measurement module	Thermal Imaging	0.2~0.5 meter
		0.1°
		Thermal imaging temperature measurement, deviation ± 0.3 °C, ranging 80-120cm. Imaging pixels: 32 x 32
Others	VESA	75x75mm
	Speaker	2*1.5W
	LED light bar	LED light bar
	Camera	Front built-in 200W
	Working Temperature	0--40 degree
	Certifications	CE/FCC/RoHS
	OSD Language	Chinese, English ect multi language OSD operation
	adaptor	Power Adaptor 12V/1.5A

5. Image of Terminal Type

PAD version



6.Appearance Gallery







10. Tips:

- This temperature measurement product cannot be used outdoors;
- This product is not waterproof;
- This product can only be used for intelligent body temperature screening, not for medical temperature measurement;
- This product needs to manually set the calibration under the environment of high temperature or low temperature difference.

11. Contact us

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