

Portable high precision human thermal terminal

Model: DM100



Product features

1. High sensitivity infrared camera
2. High-definition visible light camera
3. Used for long-distance human body temperature detection of 1m to 5m
4. Camera + embedded motherboard + black body screen integrated structure, smaller volume, lighter weight
5. It comes with a 10.1-inch high brightness LCD screen, which can be used directly without external display or HDMI external large screen
6. Built-in black body, automatic correction, without fear of environmental temperature changes on thermal imaging
7. Accurate forehead temperature algorithm measurement, filtering background high temperature effect
8. Support mask identification, abnormal temperature, instant light alarm
9. Real-time capture, optional network server, connected to cloud for data analysis

Artificial intelligence temperature measurement and detection system

The product integrates high sensitivity infrared camera, high definition visible light camera, high precision black body, high performance temperature measurement engine, non-medical, artificial intelligence drive, automatic alarm, visualization platform, high precision thermal imaging detection system.

Os-face-DM100 is based on artificial intelligence algorithm and infrared thermal imaging temperature measurement technology, can quickly detect and warn people with fever symptoms in the crowd, and accurately display the highest temperature value. The equipment is widely used in airports, stations, schools, hospitals, factories, shopping malls and other large public places.

The system is equipped with automatic face recognition and snapshot, and can quickly detect the forehead thermal temperature at the millisecond level. The thermal temperature measurement accuracy is 0.2°C .

At the same time OS-FACE-DM100 has automatic temperature algorithm based on artificial intelligence technology, without on-site manual intervention, can accurately identify and count the number of people passing by, and quickly analyze and display individual temperature.

Product advantage

◆ Quick test

Large numbers of people can be measured and detected within 0.1 seconds.

◆ High sensitivity

The precision error of thermal sensing temperature is less than $\pm 0.2^{\circ}\text{C}$, which is suitable for long-distance measurement with large flow and large area.

◆ non-inductive measurement

Measurements can be made without complete knowledge of what is being tested.

- ◆ Excellent user experience

The system has strong operability, flexibility, scientific and multi - platform control and display.

Specification

Visible Camera	
Image sensor	SONY IMX327
Resolution	2MP
Lens	6-8mm
Thermal Camera	
Detector Type	Uncooled infrared array sensor
Effective Pixels	160*120 Output (384*288)
Pixel pitch	17um
Working band	8 ~ 14 um
Probe NETD	≤60mK (F/1,300K, 50Hz)
Frame frequency	15 Hz
Output temperature	Full range temperature
Temperature range	20°C ~ 50°C
Field Angle (calculated value)	40° × 30°
Number of tests per minute	150~200
Black body	
Effective radiation area	20mm*30mm
Surface emissivity	0.96 ±0.02
Temperature range	(environment+5°C)~ (50°C)
Temperature resolution	0.01°C
Stable precision	Better than ±0.1°C
Heating up time	<2 minutes
Hardware	
CPU	High-performance dual-core CPU with built-in hardware-accelerated memory of 8GB
USB interface	USB2.0
HDMI	HDMI 1.4
Power supply	12V /3A
Network	RJ45 100M
Other	
IR-CUT auto switch , BLC , HLC , AWB	
Operating temperature	0°C~40°C

Interface	RJ45、USB、RS232
Installation environment	Indoor or semi-outdoor
Installation mode	Triangular bracket, wall mounting, hoisting