

AI intelligent temperature measuring robot SDM60-R



Product Features:

Medical-grade thermal imaging

Multi-person non-contact temperature measurement

High-level accurate monitoring

High-definition advertising information

Fast mobile deployment

Date management records

Non-contact automatic body temperature detection, high-precision infrared human body temperature collection while brushing the face, fast and efficient;

Used for long-distance human body temperature detection 2~5m

Accurate forehead temperature algorithm measurement, filtering the background high temperature influence

Automatically register and record information, avoid manual operation, improve efficiency and reduce missing information;

Support picture and video playback

All temperature measurement non-contact testing to avoid cross-infection

27-inch screen display: on-site judgment, display, voice guidance, easy to view
Voice and animation guidance throughout the temperature measurement process, intelligent prompt system
365 days × 24H

Artificial intelligence temperature measurement and detection system

The system is equipped with automatic face recognition and capture, and can detect the thermal temperature of the forehead in milliseconds. The thermal temperature measurement accuracy is $0.2\text{ }^{\circ}\text{C}$. At the same time, SDM60-R has an 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 the temperature of individual personnel. It can monitor a large range of people at the same time. At the same time, it supports temperature measurement of up to 20 people, with millisecond-level response, and quickly finds the higher body temperature in the crowd, marks them in red, and transmits them to the management platform in real time.

1. Medical-grade thermal imaging accurate temperature measurement

Imported infrared thermal imaging temperature measurement element, built-in patented black body real-time temperature calibration technology, the system has automatic face recognition and capture, fast millisecond level detection of forehead thermal temperature, thermal sensing temperature accuracy is medical grade $\pm 0.3\text{ }^{\circ}\text{C}$, the highest accuracy display The temperature value, quickly find out the person whose body temperature exceeds the standard, mark it in red, and transmit it to the management center in real time.

2. Simultaneous rapid temperature measurement by multiple people without sense

It can monitor the temperature of multiple human bodies in a large range of people at the same time, and use the face recognition system with professional optimization algorithms to accurately measure the temperature of multiple people at the same time even when the face is covered by a mask. Multi-person concurrent, high traffic efficiency, no congestion.

Date management records

With automatic face recognition and capture, it can accurately identify and count the number of people passing by, and at the same time quickly analyze the temperature of individual personnel in the background to achieve no sense of passage, Date recording, and well-documented.

Provide attendance data, face recognition, access settings, attendance records, and security monitoring.

Statistical analysis of data, visual display of the number of enterprise robots, knowledge base questions, VIP faces, and basic functions; the total number of robot answers, the number of voice interactions, and the number of basic functions; statistics on hot issues and unknown issues.

Product parameter	
Whole machine structure	
length	425.5mm
width	345mm
high	1300mm
Universal wheel	3.9in
Driving wheel	85in Rubber wheel
material	Steel
weight	21kg
Optimal weight	30kg
Sports mode	Push mode or independent automatic walking mode
Sensor	
Obstacle Avoidance Sensor	Ultrasonic module*5
IMU	Onboard: with MEMS gyroscope, 3-axis accelerometer
Lidar	EAI G4*2
Visible Camera	
Resolution	1920*1080(2 M>illion Pixels)
Imaging Device	1/2.7inch CMOS
Minimum Illuminance0.01	Lu (Color Mode), 0.001Lux(Black and White Mode)
Signal to Noise Ratio	>56dB
Resolution	1920*1080(2 M>illion Pixels)
Temperature Measurement	
Detector type	Uncooled infrared array sensor
Resolution	160X120(384*288)
Pixel Pitch	17μm
NETD	≤60mk (F/1,300K, 50Hz)
Frame Rate	15 Hz
Temperature Measurement Data Output	Full Range Temperature Output
People Per Second	200 people in one minute
Detector Type	Uncoiled Infrared Array Sensor
Resolution	160X120(384*288)
DC	5.5V 3A
Black body	
Effective radiation area	20mm*30mm

Effective emissivity	0.96 ±0.02
temperature range	(Ambient temperature+5°C)~(50°C)
Temperature resolution	0.01°C
Temperature stability	>±0.1°C/60min
Heating time	<2 minute
Screen	
Temperature measurement camera screen	15.6 inch
Advertising multi-function screen	27 inches (touch or non-touch)
Ad host	
CPU	RK3399, six-core Cortex-A17, frequency 1.8GHz
RAM	4GB
Working Environment	
Charging Temperature	0~45°C
Discharge temperature	-10~60°C
Working Humidity	30%~70%
Interface	
Power Connector	14V、12V
Hardware Interface	Network port, USB port
Software Interface	SDK development kit
Communication Method	
communication method	WiFi+4/5G