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High Sensitivity Temperature Measuring Walkthrough Metal Detector (Upgrade)

Product Introduction

High Sensitivity Temperature Measuring Walkthrough Metal Detector (Upgrade)，Based on the traditional metal detection, the human body surface temperature is initially detected by a thermal imager (non-contact type) to find individuals with abnormal temperature. After the abnormal temperature target is found, professional temperature measurement is performed to effectively control the source of infection. Example: 100 people pass the screening and find that 20-30 people have abnormal temperature targets, and then use professional methods to measure and confirm, which can effectively reduce the testing workload and improve efficiency.

Product Features

- Screening of human body temperature through thermal imaging
- High detection accuracy, detecting people with abnormal body temperature, preset temperature threshold alarm
- Designed for crowded places to meet the needs of fast customs clearance
- Can be divided into up to 24 detection areas, each area sensitivity can be individually set up to 300 sensitivity calibration

Applications

Airports	Malls	Hotels
Hospital	School	Station
Customs	Highway	Venues
	Public space indoor	

Technology Data of Thermal Imaging

Detector type.......................Vanadium oxide uncooled infrared focal plane

Detector resolution.............256 x 192

Temperature measurement accuracy....... ± 0.3℃ (with black body)

Temperature measurement range............ 30 - 45℃

Spectral range........................... 8μm-14μm

Thermal imaging lens.........3.5mm/7mm(can choose)

Sensitivity................................<50mK

Visible light.............................1/2.8°CMOS,1080P Visible light lens....................4mm/8mm(can choose)

Sound and light aler..........Built-in white light warning light & horn

Technology Data of Walkthrough Metal Detector

Detection sensitivity.......................24 detecting area, with high-brightness LED alarm, Precise positioning the location of hiding contraband. Sensitivity Level..............................300 level adjustable for each detecting area

Detection area ....1-24 detection areas, the sensitivity distribution has no dead zone and is more uniform; the sensitivity of each area can be set independently from 0 to 300 levels

Frequency setting ....100 selectable working frequency bands

Audible alarm ....20 levels adjustable, 16 adjustable tones

Display ....Color LCD display, English menu, real-time display of background interference signals

Working mode presets ....Built-in 30 standard safety inspection programs, all detection program parameters can be set and modified Operation authorization ....Password protection, only authorized personnel are allowed to operate

Passed number of people ....100 person-times / min

Counting function ....Equipped with intelligent passenger flow and alarm counter, automatically display and record the number of alarms and the number of people entering and exiting in real time. Display and store the maximum count value of 100,000.

Energy-saving function ....The system will automatically enter the power saving mode if there is no detection within 5 minutes. Also will automatically wake up when there is an object passing through.

Monitoring of the surrounding environment interference:

Adopt DSP digital signal processing technology to automatically detect environmental interference and resist electromagnetic and mechanical interference; no periodic calibration is required to prevent false alarms caused by equipment vibration and shaking

 Anti-interference...........................Multiple devices between are side by side 50cm , they work without interference

Diagnostic functions ....Power-on self-diagnosis, fault display, all control information and settings can be operated on the selection menu and control panel

Built-in program ....Built-in computer programming controller, English program and modular structure

Safety ....No harm to pacemaker wearers, Pregnant woman and magnetic media.

Q&A

Q：What are the effects of thermal imaging human body temperature measurement?

A：Any object whose temperature is above absolute zero (-273.15 ° C) is constantly emitting infrared radiation (thermal radiation). Infrared radiation is an electromagnetic wave with a wavelength range of 0.7um ~ 1000um, which is invisible to the naked eye, and the wavelength of external radiation is different at different temperatures. After absorbing infrared radiation, the temperature of the heat-sensitive material will rise, and the thermal imaging camera then calculates the corresponding temperature information according to the corresponding temperature rise.

The temperature of a person's face will change due to the influence of sweat or wind. Therefore, the thermal imaging camera measures the temperature by detecting the heat radiation on the surface of the person. The temperature measurement results will fluctuate. In this case, it is recommended to repeat the measurement. For retesting, it is recommended to use an ear thermometer or a mercury thermometer to measure the temperature.

Installation Data

Size....................... 2310mm(L)*820mm(W)*580mm(H)

Tunnel Size.........................
2000mm(L)*700mm(W)*550mm(H)

Weight.................................... about 65KG

Power Supply.................. AC100-240V/50-60HZ(Using external power adapter)

Power Consumption.................................... < 15W

Working Temperature............................ -20℃~+50℃