Fever warning system

KT-800M

index: WMGBKT800M

Blackbody

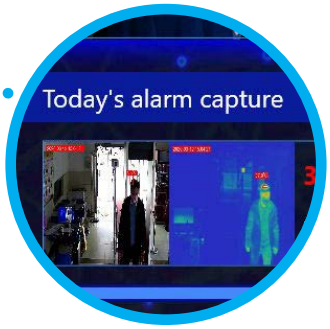
Real-time temperature calibration

Dedicated PC

Supervision on the post

Tripod

Stable position at all times



Alarm database

Spot-and-save

Mass fever screening

Overview

Sonel KT-800M IR Fever Warning System can be applied to mass fever screening in crowded public places, which helps detect people with potential fever. It may contain or limit the spread of diseases through identification of infected individuals showing fever symptoms. Sonel KT-800M combines advanced technology such as thermographic human temperature detection and AI intelligent face tracking which makes the equipment accurate and easy to use.

Sonel KT-800M is equipped with various powerful functions. Multi-target tracking ensures that no target is missed. Custom warning zones and high-temperature shielding settings help avoiding interference from other high-temperature objects. When a feverish person is detected, the system supports automatic warning, tracking and photo taking for storage. It also supports video recording. Convenient for query and classify management.

Application

Large-scale temperature screening at airports, railway stations, subway stations, hospitals, supermarkets, factories, schools and other places with large flow of people to control and reduce the spread of diseases with fever symptom, such as Novel Coronavirus, Ebola, SARS or Zika.

Features

- 400 x 300 px infrared uncooled Vox detector
- Automatic focus on a person's face
- Warning sound alarm when a person with fever is detected
- Accurate single-point and multi-point high temperature tracking and warning
- AI deep learning algorithm based on neural network provides more accurate temperature detection and lower false warning rate
- Real-time temperature calibration with blackbody ensures high accuracy
- Stand-type, easy to deploy, equipped with PC with powerful analysis software

Specifications

Thermal imager	
Detector resolution	400 x 300
Detector	17 µm
Frame rate	25 Hz
Sensitivity	≤40 mK
Lens (field of view / focal distance)	38° x 28° / 9.7 mm
Accuracy	≤ ±0.3°C | 0.5°F (ambient temperature 16...32°C)
Measurement range	-10...+50°C | 14...122°F
Calibration	Built-in shutter and external black body, automatic calibration mode
Visual camera	
Resolution	2 MPix
Frame rate	25 Hz
Functions	
Parameter settings	Warning switch and warning threshold value, number of warning targets, warning photos automatic clearing, shielding fixed high temperature objects
Face tracking	Intelligent face tracking
Real-time preview	Real-time preview of visible and thermal image
Real-time spot temperature detection	Real-time temperature monitoring at any point in the field of view
Automatic tracking	Support automatic tracking for elevated temperatures
Automatic warning	Automatic tracking, warning and photo capturing for storage when person with fever is detected. Warning while the blackbody is blocked
Historical records	Support query, classification and deletion of historical warning screenshots
Video recording	Supported. The software needs to be upgraded to V1.1.0.9, and equipped with NVR (NVR standard 4T hard disk). Supports GB28181 protocol to access third-party platforms
Network communication protocol	HTTP, RTSP
Environmental conditions	
Operating temperature	-10...+50°C | 14...122°F (ambient temperature 16...32°C)
Storage temperature	-20...+60°C | -4...140°F
Humidity	<90% (non-condensing)
Shock	30g 11 ms, IEC60068-2-27
Vibration	10 Hz ~ 150 Hz ~ 10 Hz 0.15 mm, IEC60068-2-6
Black body	
Blackbody target surface uniformity	≤0.1°C | 0.2°F
Temperature stability	≤ ±0.2°C | ±0.4°F (single point)
Camera head interface	
Network interface	Two-way, visible light 100M, infrared 1000M
Camera head power	
Input voltage	DC 12 V
Input power	≤12 W
Camera head size	173 x 184 x 212 mm | 6.8" x 7.2" x 8.3 mm
Total height (incl. stand)	2200 mm | 86.6"