Guide sensmart



Deep learning algorithm based on neural network
Higher accuracy on temperature detection

IR236

IR FEVER WARNING SYSTEM

Product Advantages

Higher efficiency on temperature detection

Temperature screening for multiple people at the same time, no need to stop.



More safe, temperature screening from 2~8 meters away

Thermal imaging for long-range temperature detection up to 8 meters away, no risk of infection caused by close contact (the picture below shows the comparison of the IR thermometer gun and GUIDE infrared fever screening system)



Automatic warning, photo capturing for storage when people with fevers are identified

Automatic warning, photo capturing for storage when people with fevers are identified, greatly reducing the workload of the operator. And historical data can be checked repeatedly for easy recording and tracking



AI algorithm, no false warning

Thanks to deep learning algorithm based on neural network, and a large number of practical application cases in the past 20 years, ensure fast and accurate temperature detection without false and missing warning

Intelligent, automatically detect faces

AI face detection algorithm, which can recognize even when wearing a mask, can accurately measure forehead temperature without interference from other high temperature objects



WHY CHOOSE GUIDE

Guide Infrared—Leader in infrared thermal imaging industry

Guide Infrared Company has a market value of nearly 40 billion RMB, an industrial park covering 200 acres and 3,000 employees

20 years' experience in the field of infrared thermography temperature screening

In 2003, GUIDE supplied the thermal imaging system to prevent the spread of SARS. In the past 20 years, based on a large number of practical application cases, we continuously optimize algorithms and upgrade software and hardware to achieve fast and accurate temperature detection. As a quick non-contact temperature detection equipment, GUIDE IR Fever Warning Systems are not only applied at transportation hubs such as airports, railway stations, subway stations, but also hospitals, banks, large factories, office buildings, schools, supermarkets, residents Community and other gathering public places.

APPLICATION CASES


DAXING AIRPORT


SUBWAY STATION


CHENGDU AIRPORT


TAIYUAN RAILWAY


LEISHENSHAN HOSPITAL


FOXCONN


HUAWEI


TENCENT


WUHAN COMMITTEE


HANKOU BANK


WUHAN RAILWAY


HANKOU RAILWAY

AI

IR236 IR Fever Warning System

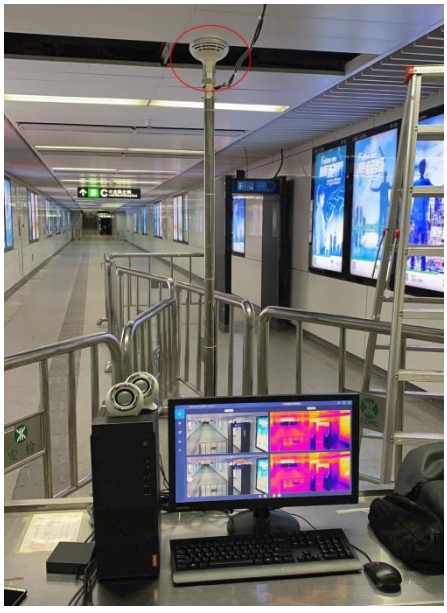




Compete System

GUIDE IR236 IR Fever Warning System can be applied to mass fever screening in crowded public places, which help to detect people with a potential fever and may contain or limit the spread of the Coronavirus through identification of infected individuals showing fever symptoms. GUIDE IR236 combines advanced technology such as thermography human temperature detection algorithm and AI intelligent face tracking to make the equipment accurate and easy to use.

The IR236 equipped with various powerful functions. Multi-target tracking can ensure that no targets are missed. Custom warning zones and high-temperature shielding settings can avoid interference from other high-temperature objects. When detect the febrile people, it supports automatic warning, tracking and photo taking for storage. Support video recording. Convenient to query and classify management. GUIDE IR236 is the ideal equipment for epidemic prevention in public places such as airports, stations, factories, schools, commercial centers and more.



Features

- Adopts 400x300 infrared uncooled Vox detector
- Automatically focus on a passenger's face and sound an warning when a person with a fever is identified
- Accurate single-point and multi-point high temperature tracking and warning
- AI deep learning algorithm based on neural network, more accurate temperature detection and lower false warning rate
- Equipped with black body, real-time temperature calibration, higher accuracy
- Stand-type, easy to deploy, standard PC with powerful analysis software

Application

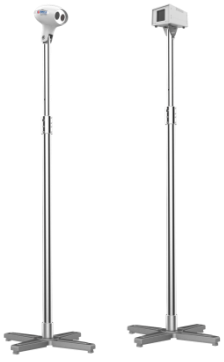
Large-scale temperature screening of airports, railway stations and more. to control and reduce the spread of virus with fever symptom, such as Novel Coronavirus , Ebola, SARS and Zika, …

IR236		
Category	Item	Specification
IR detector	IR resolution	400×300
	Pixel size	17μm
	NETD	≤40mK
	Focal Length	9.7mm
	FOV	38°*28°
	Frame Rate	25Hz
Visible Camera	Resolution	2 million pixels
	Frame Rate	25Hz
Temperature Measurement	Range	-10℃~50℃
	Accuracy	≤ ± 0.3 ℃ (ambient temperature 16 ~ 32 ℃)
	Calibration	Built-in shutter and external black body, automatic calibration after selecting mode
Software 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, Supported from V1.0.9.0
	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 people with fevers are identified; Warning while the Black Body is blocked.
	Historical records	Support query, classification and deletion of historical warning screenshots
	Video recording	Support. The software needs to be upgraded to V1.1.0.9, and equipped with NVR (NVR standard 4T hard disk), support GB28181 protocol to access third-party platforms
	Network communication protocol	HTTP、RTSP
Environmental adaptability	Work Temperature	-10 ~ 50 ℃ (ambient temperature 16 ~ 32 ℃)
	Storage Temperature	-20 ℃ ~ 60 ℃
	Work Humidity	<90% (non-condensing)
	Shock	30g 11ms, IEC60068-2-27
	Vibration	10HZ ~ 150Hz ~ 10Hz 0.15mm, IEC60068-2-6
Black body	Blackbody target surface uniformity	≤0.1 ℃
	Temperature stability accuracy	≤ ± 0.2 ℃ (single point)
Camera head interface	Network interface	Two-way, visible light 100M, infrared 1000M
Camera head power	Input voltage	DC 12V
	input power	≤12W
Packaging specifications	Camera head size	173mm×184mm×212mm
	Total height (incl. stand)	2200mm
	Camera head package	510mm× 440mm × 270mm (subject to actual delivery)
	Total weight	≤45kg (subject to actual delivery)

Standard

Camera head + stand
Black body + stand
Switch
PC Kit





*Note: The temperature measurement accuracy is a typical value under the specified mode and application conditions. The final interpretation right belongs to our company.

Applications

Airports, railway stations, subway stations, hospitals, supermarkets, factories, schools and other places with large flow of people suggested channel width is 3~5 meters, orderly pass-by.

Suggested distance: 2 ~ 8 meters



ABOUT GUIDE

GUIDE SENSMART is the subsidiary of GUIDE INFRARED, focusing on R&D, manufacturing and marketing for commercial infrared thermal imaging products for masses market since 2016. **GUIDE INFRARED** was founded in 1999, and takes the lead in R&D, production and sales of infrared thermal imaging system and large-scale optoelectronic system. At present, GUIDE Group has a market value of nearly 40 billion RMB, and has more than 3,000 high-tech talents.

In the past 20 years, GUIDE, who has worked hard in the field of thermography human temperature detection, has accumulated a large number of real and reliable samples and numerous application scenarios, forming a large scientific database. Through constant algorithm optimization coupled with software and hardware upgrades, especially in the deep learning algorithm based on neural network, which makes temperature detection faster and more accurate.



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*Technical parameters are subject to change without notice. For the latest information, please visit our website.