

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

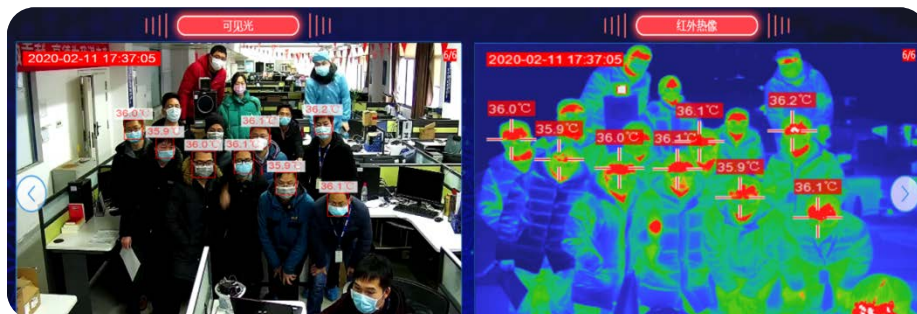
IR236

**IR FEVER
WARNING SYSTEM**

Product Advantages

Higher efficiency on temperature detection

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



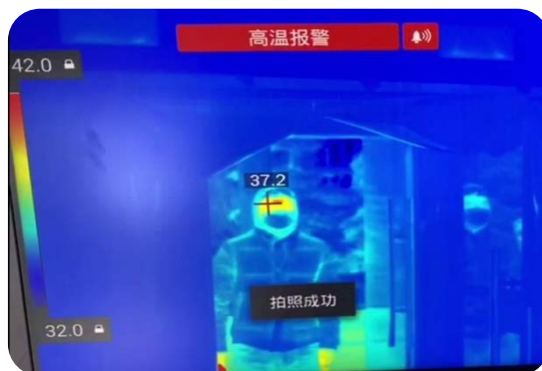
More safe, temperature screening from 2~8 meters away

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 and storage while detecting the fever people

Automatic warning, photo capturing and storage while detecting the fever people, 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

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



IR236 IR Fever Warning Systems



GUIDE IR236 IR Fever Warning Systems are applied for large-scale body temperature monitoring in crowded public places, such as rapid detection of human fever caused by the Novel Coronavirus, SARS, Zika, Ebola. IR236 are user-friendly and reliable. Various warning settings enable multi-point warning and tracking. Ensure no targets missed and also avoid the interference of other high temperature objects. Warning images and videos can also be uploaded to the monitoring center by the remote network for analysis and management. GUIDE IR236 is the ideal equipment to reduce and prevent the risk of virus transmission at the airport, railway stations and other public places.



Features

- Adopts 400x300 infrared uncooled Vox detector
- AI Deep learning algorithm based on neural network, more accurate temperature measurement and lower false warning rate
- Accurate single-point and multi-point high temperature auto tracking and warning
- Equipped with black body, real-time temperature calibration, higher accuracy
- Face recognition detection function, more intelligent
- Stand-type, easy to move, standard PC with powerful analysis software

Application

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

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
	Focal Length	2.8-12mm
	FOV	115° -33.8° (wide angle-telephoto)
	Frame Rate	25Hz
Temperature Measurement	Range	-10°C~50°C
	Accuracy	≤ ± 0.3 °C (ambient temperature 16 ~ 32 °C)
	Calibration	Built-in and external black body, auto calibration
Software functions	Parameter settings	Warning threshold setting
	Face recognition	Intelligent face recognition
	Temperature measurement	Face recognition area shows the highest temperature, infrared / visible light image temperature cursor overlay
	Warning	automatic warning/photo/storage, support image / sound warning
	Historical record	Support historical warning image information query
	Temperature correction	Automatic correction of body surface temperature
Environmental adaptability	Work Temperature	-10 ~ 50 °C (suggested ambient temperature 16 ~ 32 °C)
	Storage Temperature	-20 °C ~ 60 °C
	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 °C
	Temperature stability accuracy	≤ ± 0.2 °C (single point)
Camera head interface	Network interface	2 RJ45, visible light 100M, infrared 1000M
Camera head power	Input voltage	DC 12V
	input power	≤12W
Packaging specifications	Camera head size	174mm × 153mm × 81.5mm
	Total height (including stand)	2200mm
	Camera head packing box size	510mm × 440mm × 270mm (subject to actual delivery)
	Total weight	≤45kg (subject to actual delivery)

Standard

- Camera head + stand
- Black body + stand
- Switch
- PC Set



Pro

- Thermal camera set
- Black body + stand



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



WHY CHOOSE GUIDE

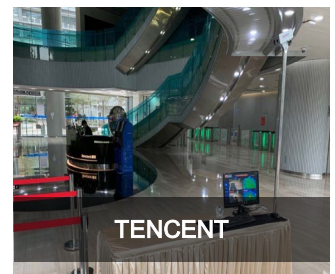
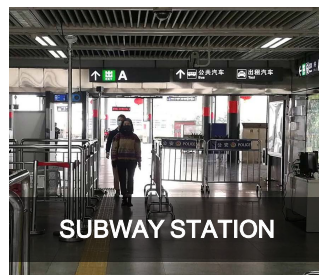
Guide Infrared—Leader in infrared thermal imaging industry

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 body 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 body 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



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 body temperature detection, has accumulated a large number of real and reliable samples and numerous application scenarios, forming a large scientific database. Through continuous optimization of algorithms and software and hardware upgrades, especially in the deep learning algorithm based on neural network, which makes body temperature measurement faster and more accurate.



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

