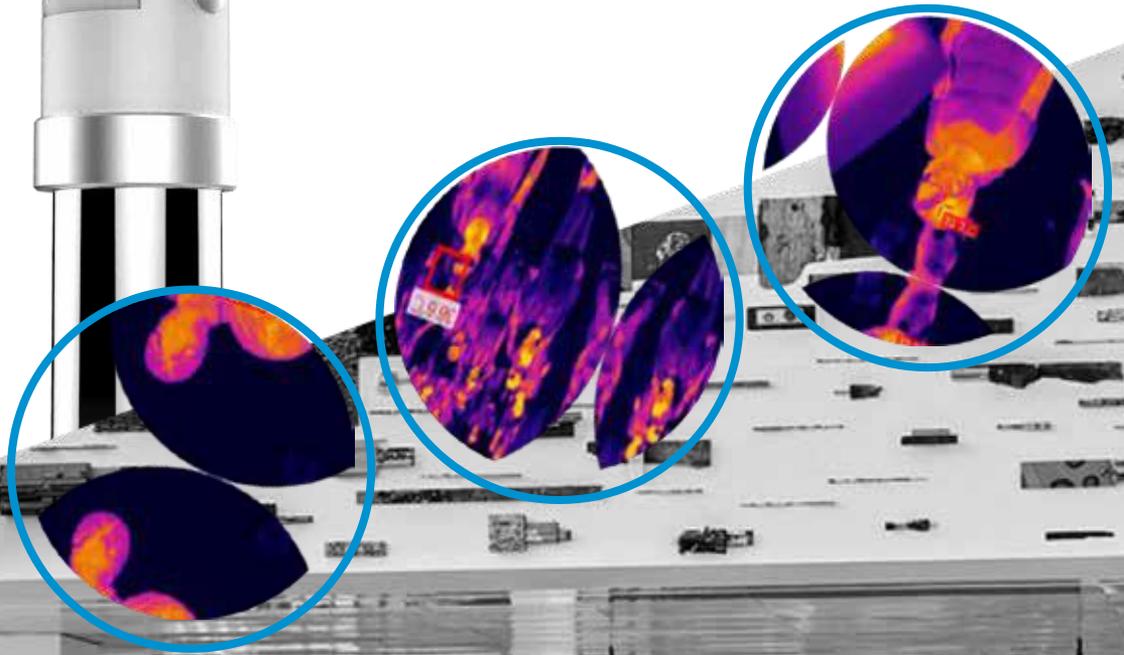




- Ability to measure temperature accurately in real time.
- Identify and track people with elevated body temperatures in crowds.
- Widely applicable to places such as universities, schools, dorms, offices, factories, hospitals, and transit centers.



IR FEVER WARNING SYSTEM



IR236 - FEVER WARNING SYSTEM



Complete System

The **IR236** Fever Warning System can be applied to mass fever screenings in crowded public places, which helps detect people with potential fever and may contain or limit the spread of the Coronavirus through the identification of infected individuals showing fever symptoms. **IR236** combines advanced technology such as thermography human temperature measurement algorithms and artificial intelligence (“AI”) face detection to make the equipment accurate and easy-to-use.

The **IR236** is equipped with a variety of useful and powerful functions. Multi-target tracking helps ensure that no targets are overlooked. Custom warning zones and high temperature shielding settings can avoid interference from other high-temperature objects. When detecting febrile individuals, the system supports automatic warning, tracking, and photo taking for storage as well as video recording. Conveniently query, classify, and manage results. **IR236** is the ideal solution for epidemic prevention in public places such as schools, universities, airports, stations, factories, commercial centers, and more.



Features

- ✔ Uses 400 x 300 infrared uncooled Vox detector.
- ✔ AI deep learning algorithm, more accurate temperature measurement, and lower false warning rate.
- ✔ Accurate single-point and multi-point high-temperature tracking and warning.
- ✔ Equipped with real-time temperature calibration sensor for increased accuracy.
- ✔ Face detection function.
- ✔ Stand-type, easy-to-move, standard PC with software.

Application

- ✔ Large-scale temperature screenings for schools and universities, airports, railway stations, supermarkets, cruise ships terminals, and more.
- ✔ Control and reduce the spread of viruses with fever symptoms, such as Ebola, SARS, Zika and Novel Coronavirus...

Higher efficiency with temperature detection

Temperature screening for multiple people simultaneously without delays or interruptions.



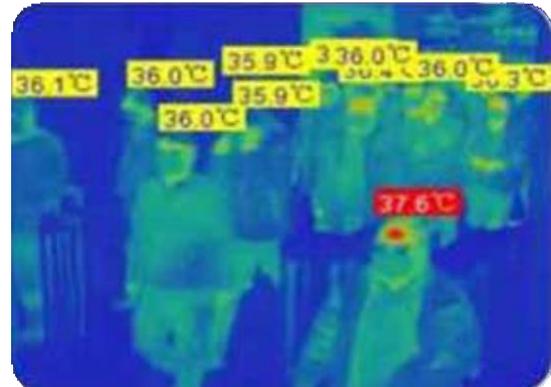
Safer temperature screenings from up to 26 feet away

Thermal imaging for long-range temperature detection up to 26 feet away removes the risk of possible infection caused by close contact (the picture below shows the comparison of an IR thermometer gun and FaceEx infrared fever screening system).



Automatic warnings, photo captures, and storage while detecting febrile individuals

Automatic warnings, photo captures, and storage while detecting febrile individuals greatly reduces the workload of the operator. Additionally, historical data can be checked repeatedly for easy recording and tracking.



AI algorithm eliminates false warnings

Thanks to the deep learning algorithm based on neural networks and large number of practical application cases in the past, the system ensures fast and accurate temperature detection without false or missing warnings.

Intelligent, automatic face detection

Our AI face detection algorithm, which even recognizes masked individuals, can accurately measure forehead temperatures without interference from other high-temperature objects.



IR236 FEVER WARNING SYSTEM		
Category	Item	Specification
IR detector	IR resolution	400x 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℃~50℃
	Accuracy	≤ ± 0.3 ℃ (ambient temperature 32 ~ 16 ℃)
	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 / support warning
	Historical record	Support historical warning image information query
	Temperature correction	Automatic correction of body surface temperature
Environmental adaptability	Work Temperature	-10 ~ 50℃ (suggested ambient temperature 32 ~ 16 ℃)
	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	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 Kit

*Note: The temperature measurement accuracy is a typical value under specified mode and application conditions. The final interpretation rights are proprietary to the manufacturer.

Applications

Schools, universities, airports, railway stations, subway stations, hospitals, supermarkets, factories, and other places with a large flow of people (the suggested channel width is 9~16 feet with an orderly pass-by).

Suggested distance: 6 ~ 26 feet



Why Choose IR 236?



IR 236 is a top product in the infrared thermal imaging industry.

The manufacturer has over 20 years of experience in the field of infrared thermography temperature screening.

In 2003, the manufacturer supplied the thermal imaging system to help prevent the spread of SARS. Over the past 20 years, based on a large number of practical application cases, there has been a continuous optimization and upgrade of all algorithms, software, and hardware to achieve fast and accurate temperature detection.

As quick, non-contact temperature detection solutions, IR236 Fever Warning Systems are not only practical at transportation hubs such as airports, rail and subway stations; they are also valuable at schools, universities, hospitals, banks, factories, office buildings, supermarkets, residential communities and other public places.

Application Cases





FaceEx

FaceEx is a revolutionary application of facial recognition technology. It was derived from a "Proof of Concept" meant to determine whether facial recognition could be used for Customs and Border Patrol to efficiently screen travelers entering and exiting the United States. FaceEx demonstrated tremendous reliability in this initial test after successfully matching over 97% of 4,600 travelers and staff in fewer than 3 hours, which translates to 1.6 seconds per match.

Today, FaceEx offers modern, fully integrated facial recognition solutions, which excel in the aspects of speed, accuracy, and data security that our customers value. FaceEx is fault-tolerant and performs at a high level even with low-quality images, elevates quickness and accuracy by using multi-dimensional reference models and advanced structural processing, and is massively scalable and enterprise-ready.

Contact: Joe Castelluccio, Business Development Manager, E&I, at jcastelluccio@eandi.org or your [Member Relations Representative](#).



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