

# ANOMALY



Temperature  
Detection



Protect Public  
Health

Market  
leading  
accuracy  
 $\pm 0.3^{\circ}\text{C}$

## Anomaly Hi-Vis IR36 Automated Fever Scanning System

 UK APPOINTED DISTRIBUTOR



## Application

- Government Ministries
- Hospitals
- Underground Stations
- Sporting Events & Stadia
- Airports
- Hotels
- Construction Sites
- Shopping Centres
- Sea Ports
- Prisons
- Service Stations
- Warehouses & Distribution Centres
- Rail Networks
- Factories
- Office Buildings
- Restaurants

## System Accuracy

The IR36's temperature accuracy is achieved by taking 5 simultaneous readings across each individuals forehead including the canthi area. Using artificial intelligence, the camera's readings are then referenced in real time across a database of aligned external and internal core temperature readings, enabling an assessment of the individuals core temperature. As far as is possible this eliminates false negatives delivering market leading accuracy of  $\pm 0.3^{\circ}\text{C}$ .



## System Information



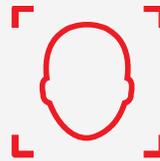
### Temperature Detection

The system enables the customer to carry out early stage mass multi-target temperature fever screening in crowded places delivering market leading accuracy of  $\pm 0.3^{\circ}\text{C}$ .



### Multi-targeting

It operates accurately at a distance of between 2 to 8 metres on individuals at walking pace, detecting and identifying those with an above normal temperature or a systemic fever.



### Facial Recognition

Each person's skin temperature is measured against an average set temperature, using a thermography measurement algorithm which works alongside Artificial Intelligent facial recognition, ensuring accurate identification of those at risk.



### Easy to use

Designed to be installed by the customer and easy to use, the system can be incorporated into both public and private sector environments.



## System Advantages

- Enables organisations to screen employees, contractors and visitors and identify those with fever symptoms before they enter their premises
- Provides a starting point to develop a process for further screening and potential removal of sick individuals
- Deters employees, visitors, or contractors who have a fever and decide to go to work, as they know they will be screened and turned away
- Real time multiple screening avoids queues
- Stand-alone fully integrated system
- Quick to deploy and simple user interface



## Hardware

- Camera head (including stand)
- Black body (including stand)
- Switch
- PC set

## Features

- AI enhanced facial recognition software enables the system to recognise people wearing masks or scarves
- Multi-Target tracking ensures no person is missed from screening
- Each person's skin temperature is measured against a predetermined set temperature - password protected
- Image capture (SD memory card compatible, save up to 100,000 image readings)
- Custom warning zones and high temperature shielding settings avoid interference from other high temperature objects
- Certification: CE - European Union Declaration of Conformity & CUC - China United Calibration Service. (Details available upon request)

## About Us

**Committed to delivering innovation where it matters.**

Anomaly Group have partnered with a leading Chinese technology company, and the global market leader in Artificial Intelligence enhanced temperature and facial recognition systems. The manufacturer developed their system in response to the 2003 SARS virus outbreak and since deployed over 30,000 units globally.

They are the 4th largest technology company by market capital on the Shenzhen exchange.

Anomaly Group, through their subsidiary Anomaly Interactive Ltd., are the UK's largest provider of advanced screen-based health & safety and communications systems to UK State Schools, Prisons, Hospitals, Doctors Surgeries, Construction, Manufacturing, Transport and Utility Companies.

# Specifications

## Anomaly Hi-Vis IR36

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°C~50°C
	Accuracy	≤ ± 0.3°C (ambient temperature 16 ~ 32°C)
	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
	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	The software needs to be upgraded to V1.1.0.9, & equipped with NVR (NVR standard 4T hard disk), support GB28181 protocol to access 3rd party platforms
	Network Communication Protocol	HTTP, RTSP
Environmental Adaptability	Work Temperature	-10 ~ 50°C (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	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)

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