

# K209

**INTELLIGENT TEMPERATURE  
MEASUREMENT FACIAL RECOGNITION  
AND DISINFECTION CHANNEL**

**ALL-IN-ONE**



# K209



- A. Reduces the risk of infection in the workplace
- B. Ensures the safety of all employees and personnel entering the building
- C. Helps to prevent person-to person contamination
- D. Fast and easy entry and exit

The K209 is designed to provide security, quick and easy temperature measurement and disinfectant of personnel entering any public building.

# K209



## 1. Convenient and Quick

Comes pre-assembled and is easily moved from location to location

## 2. Highly-efficient Disinfection

K209 has a dual disinfection process including ultrasonic atomization disinfection plus UV physical sterilization. The level of disinfection is up to 99.99% as tested by SGS

## 3. Safe and Reliable

Disinfectant is a food-grade washing-free disinfectant plus a UV lamp treatment which is harmless to a human body

## 4. Intelligent Linkage

It can be started through intelligent induction, and personnel can carry out centralized management through data background

# K209



## Facial Recognition

It can record and form statistical data about personnel entering and going out



## Attendance Management

It can form statistical data about personnel's attendance



## Measurement of Body Temperature

It has accurate and efficient temperature measurement by utilizing German HEIMANN thermal imaging sensor



## Atomization Disinfection

It adopts food-grade washing-free disinfectant



## UV Sterilisation

It adopts UVA 395-405 lamp harmless to human body, which is safe and effective



## Alarm upon Abnormality

Give and audible and visual alarm when abnormal body temperature is found



# K209

## Product Design

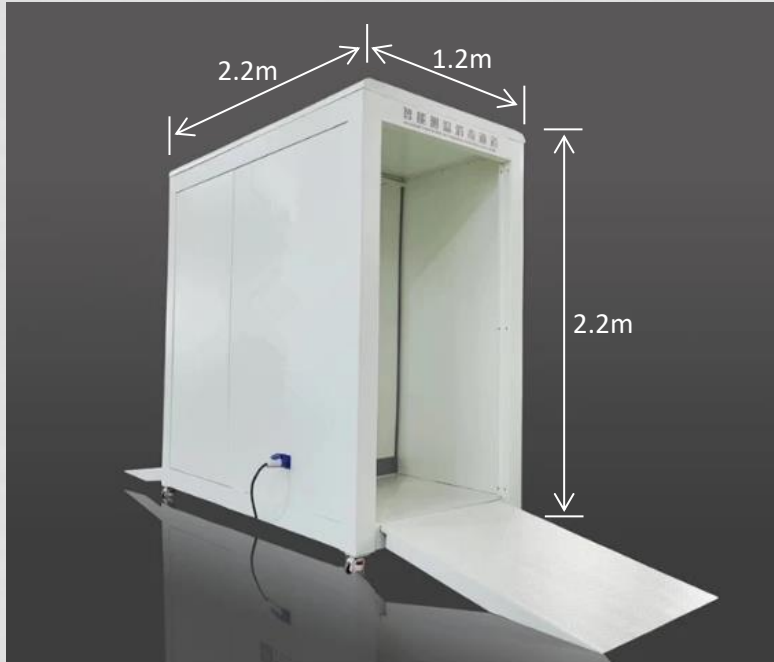


Following the principle of ergonomics when designing its form, it is convenient to measure and disinfect children, the elderly, the disabled, wheelchairs and pets. Adopting fully automatic intelligent control in its design, it greatly reduces manual operation and monitoring workload, thus decreasing security pressure.

- **Human Body Induction Mode:** human body infrared induction
- **Body Temperature Sensing Mode:** German HEIMANN thermal imaging
- **Body Temperature Collection Distance:** 30 to 100cm
- **Body Temperature Collection Accuracy:**  $\pm 0.2^{\circ}\text{C}$
- **Body Temperature Display Panel:** 5-inch HD touch screen
- **Body Temperature Detection Output:** alarms automatically when abnormal temperature is detected

# K209

## Product Design

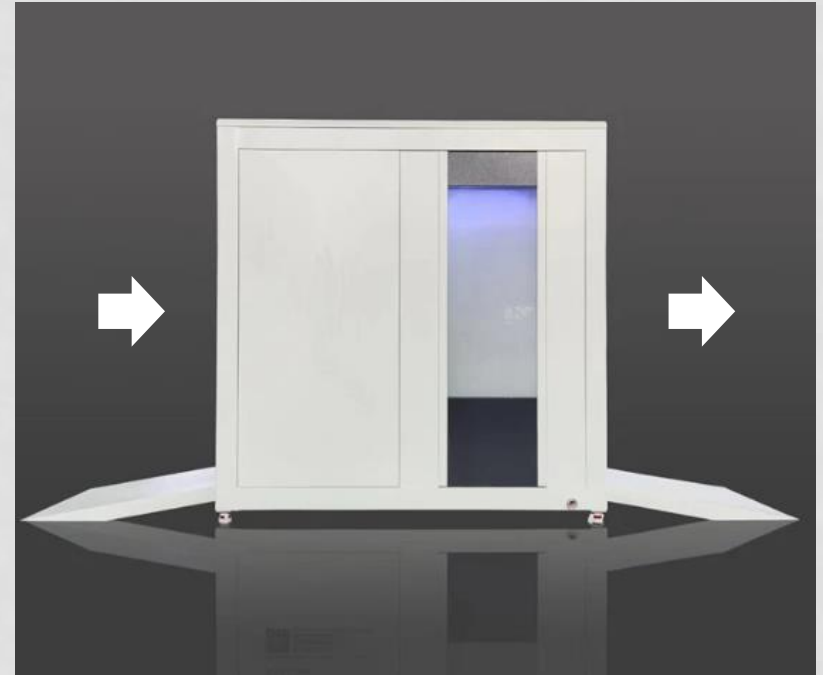


- **Power:** 1000W
- **Power Supply:** 220V/50Hz (if the product is used in other countries users can match it to corresponding electrical requirements of the local mains provider)
- **Mist-exit Volume:** 6 l/h (consistent mist exit)
- **Ultrasonic Atomisation:** superfine dry mist whose particle diameter is between 3nm and 5nm
- **UV Sterilisation:** UVA 395-405 lamp the waveband of which is harmless to human body
- **Disinfection Rate:** 99.99%

# K209

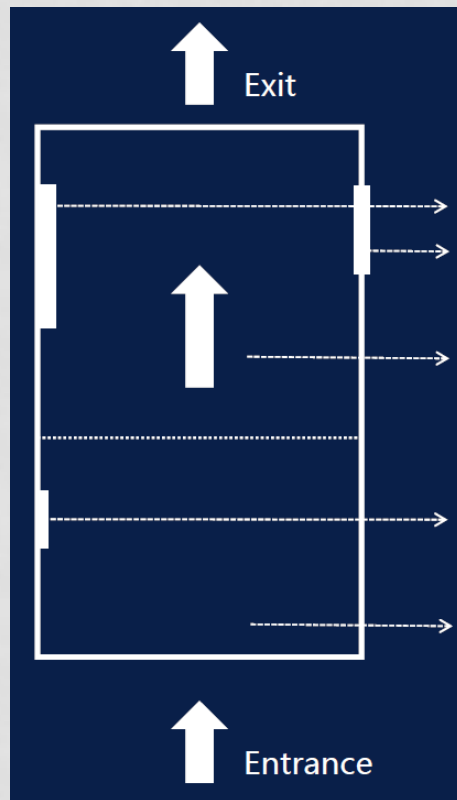
## Operation

- Only one person is allowed to enter the channel at each time and the person should pass through the channel moving slowly.
- Disinfection is carried out when the person is passing through the channel approx. 5 sec. per person
- Indicator light will show abnormal temperature of the person passing the channel and an alarm will sound. People with normal temperature will pass through normally.



# K209

## Operation



Equipment cabinet

Observation window

UV lamp sterilisation

Channel with atomised disinfectant

Control cabinet

Facial recognition

Body temperature detection



# K209

## Functions



### 1. Facial Recognition System

It can distinguish visitors from internal personnel and record them, and it supports LAN storage and cloud storage.

### 2. Automatic Induction Spraying Function

The equipment is equipped with a microwave sensor which can sense moving objects. When entry of people is detected, mist-making machine and disinfecting UV lamp are started automatically to spray atomized disinfectant into the disinfection channel.

### 3. Spray from Low Angle of Attack

With respect to mist outlet inside the disinfection channel, low angle of attack is designed, so as to avoid discomfort caused by spraying the mist on human face directly.



# K209

## Functions



### 4. Measure Temperature of Human Body by Utilizing Infrared Thermal Imaging Technique Give an Audible and Visual Alarm

It adopts high-accuracy thermal imaging temperature sensor, thus being able to realize non-contact measurement of body temperature quickly and reliably, effectively avoid cross infection, collect body temperature in real time and extract peak value to compare with outputting signal light and beep prompt. The data is collected in the background.

### 5. Food-grade Washing-free Disinfectant

It adopts food-grade washing-free disinfectant with such advantages as long acting time, fully effective sterilization, being free of odours and being harmless to human body, the sterilization rate of which can be up to 99.99% in accordance with test result of SGS.

“NAWEI Physical Forest” disinfectant and German “ecodis” disinfectant or similar equivalent are recommended for use.





### 6. Automatic Rehydration Function

It is equipped with a 40l ultra-large capacity liquid tank, thus being able to rehydrate the atomization tank automatically, decrease the workload of operators and be used for more than one day without replenishing disinfectant.

### 7. Giving an Alarm About the Status of the Equipment

The equipment can display different lights corresponding to different working statuses such as over-temperature and absent fluid, so that the equipment manager can accurately know the running status of the equipment in real time.



# K209

## Functions



### 8. Foldable Assistant Slope

There are assistant slopes at both exit and entrance of the equipment, so personnel and wheelchairs can enter the channel conveniently. The slopes are foldable, so it is convenient to move and store the slopes.



### 9. Lighting Function in the Channel

When designing the equipment, using scenes have been taken into consideration. The channel is equipped with LED lamps with lighting function, so it is convenient to use the equipment at night or in dark environment.

# K209

## Functions



### **10. Easy to Move**

The equipment has two sets of universal brake casters and two sets of directional brake casters, and slopes on both ends are foldable. Due to the abovementioned advantages, the equipment can be moved conveniently and deployed quickly at the same time of reducing storage space. Tyres are made from nylon tread, thus being able to adapt to various road conditions.

### **11. Quick Deployment**

The equipment adopts an alternating current of 220V, and its power consumption is less than 1000W (if this product is used in other countries, users can match it to corresponding electrical components in the light of local mains voltage). It is easy to install, deploy, operate, learn and use the equipment, and the disinfectant can be filled and emptied easily.



# K209

## Applicable Sites



**All kinds of public sites such as hospital, school, community, supermarket, shopping mall, scenic spot, entertainment place, train or bus station, airport, enterprise, factory, construction site, exhibition and hotel**



# Build a Defence Line for Epidemic Prevention and Control



## **Greenspan System Sales Ireland Ltd.**

Ballyhahill, Co. Limerick, Ireland  
V94 Y2C6

Tel: +353 (0) 69 82222  
Mobile: +353 (0) 86 8581201  
E-mail: [sales@greenspan.ie](mailto:sales@greenspan.ie)

## **Greenspan UK Ltd.**

Wellington House, Starley Way  
Birmingham International Park  
Solihull, Birmingham, B37 7GN

Tel: +44 (0) 121 781 7309

[www.greenspan.ie](http://www.greenspan.ie)