

Intelligent Thermometry Disinfection Equipment

1 Overview

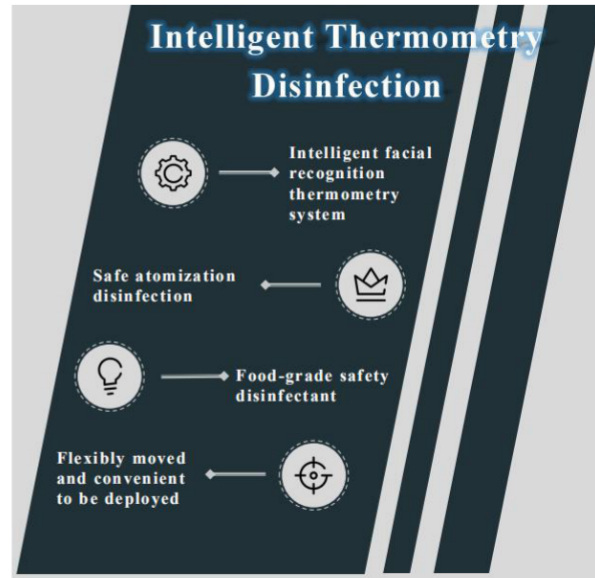
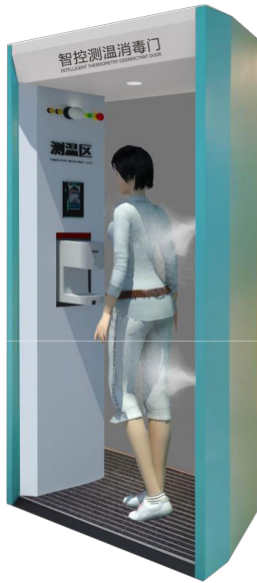
1.1 Current Epidemic Prevention Measures



1.2 Our Intelligent Thermometry Disinfection

Intelligent Thermometry Disinfection is used for epidemic prevention and detection in high-flow and highly crowded areas. It can conduct non-contact infrared temperature detection via facial recognition and hand washing-free disinfection for people passing through. Meanwhile, it makes surface spray on people, pets, goods and other objects for atomization disinfection in 360° all-round way. If detected abnormal temperature, it will send audible and visual alarm to remind the guard to conduct the second screening. The equipment adopts food-grade safe disinfectant that is 100% harmless to human body and can be added

automatically. Spray time can be adjusted as needed. The equipment has casters, is more flexible and convenient to move. It is scientific, safe, and beautiful in design with the function of automatic collection of effluent.



2 Product Performance

2.1 Design Philosophy

- Convenient for adults, children, the elderly and pets.
- Quarantine operation that can effectively avoid cross infection.
- Non-contact and automatic control design, greatly reducing manual operation, monitoring and the workload of security personnel.
- Greatly reduce the risk of personnel with high-frequency contact.

2.2 Product Features

- **Real-time monitoring of data status:** Product background linked to the network for real-time monitoring of data status.
- **Warn and stop when detecting abnormal conditions:** Beep prompt, audible and visual alarm to prevent people with abnormal temperature from entering.
- **Information pushed to the mobile terminal:** The information detected is directly pushed to the designated mobile phone to monitor the epidemic situation in a timely and effective manner.
- **Information record:** Record each piece of information detected.
- **Food-grade safety disinfectant:** In order to guarantee the health and safety of people, the disinfectant is provided uniformly by our company, the price of which is more than 50% lower than the market price. The

food-grade disinfectant used in this equipment is widely applied in the disinfection of food, tap water, vegetables and fruits, etc. The solution is provided in strict accordance with the national standard PPM ratio, to fully ensure health and safety of people.

- **Facial recognition thermometry and audible and visual alarm:** With the original high-precision intelligent facial recognition thermometry integrated module and LED visual display, it's fast and reliable, can effectively avoid cross infection, collect temperature in real time, extract peak value to compare with output. Signal light and beep prompt can be adjusted to audible and visual alarm.
- **Automatic induction spray:** The equipment is equipped with a microwave moving object sensor, which triggers the ultrasonic mist-making module when detecting someone enters to automatically spray the safe disinfectant into the disinfection channel.
- **Hand special non-contact washing-free disinfection:** It is specially equipped with hand disinfectant in the thermometry area. Non-contact induction spraying is safe and hygienic and can effectively sterilize hands.
- **Sole disinfection:** A carpet containing disinfectant is placed in the middle of the disinfection channel, which can sterilize the soles of people passing through.
- **Convenient to move, safe and firm:** The equipment has two sets of

universal brake casters and two sets of directional brake casters, which can be moved flexibly and reduce the storage space. Tyres are made from Nylon tread, thus being able to adapt to various road conditions. The place of use can be changed at any time as per your demand, and it doesn't need transportation for changing the place of use in a short distance.

- **Automatic rehydration:** The equipment is designed with a 20L ultra-large capacity liquid tank, which can conduct automatic fluid replacement for the atomization tank and reduce the workload of operators. It can be used for more than one day without adding disinfectant in high human flowrate.
- **Equipment status prompt :** The equipment has the function of displaying working status and absent fluid status, so that the equipment manager can accurately grasp the running status of the equipment in real time. The mist-making equipment could prevent dry burning and effectively protect the equipment from being damaged due to improper operation.
- **Atomization outlet with adjustable angle that does not stimulate human facial organs:** The mist outlet of the disinfection channel is designed with low angle of attack to avoid discomfort caused by the direct spray of mist on the face.
- **Quick layout:** The equipment applies to 220V alternating current with

power consumption less than 1000W. It is easy to install and deploy, which only needs to add disinfectant without installation and debugging by specialized persons. It is simple and easy to operate and easy to learn, and the disinfectant can be filled and emptied easily.

■ **Channel lighting, microwave human body induction:** The equipment fully takes into consideration of the usage scenes, so LED lighting function is provided inside the channel for the convenience of using at night or in dark environment.

■ **Effluent collection:** There is an effluent collection tank and an active effluent collection tank at the bottom of the equipment, which can fully collect the residual effluent after disinfection, so as to conduct centralized treatment for the hazardous waste to eliminate disruption or impact on environment.

4.2.3 Technical Parameters

Items	Parameters
Dimension (mm)	600 (L) * 1000 (W) * 2250 (H)
Package dimension (mm)	750 (L) * 1150 (W) * 2450 (H)
Service voltage	AC220V
Rated power	900W
Noise upon use	< 36dB
Rainproof function	The equipment shell is rainproof.
Material of equipment body	High-quality galvanized steel plate, outdoor special plastic powder coating on surface

Service environment	0 ~ 40 °C (it can't be used when the temperature is below 0 °C, as the disinfectant freezes and can't be atomized.)
Mist-making Method	Ultrasonic Atomization
Spray control method	Microwave induction start, delay stop (adjustable for 5-15s delay)
Spray efficiency	3-6L/H
Waiting time for spray disinfection	15 seconds is recommended (customize according to requirements, without mandatory control for the equipment)
Disinfectant tank capacity	20L
Disinfectant type	It is recommended to use 50-100ppm hypochlorite disinfectant and 80-150ppm chlorine dioxide diluted solution. Such strong acid-base disinfectants as 84, bleaching water and hydrogen peroxide are forbidden to use.
Hand disinfection method	Induction spray in independent area, washing-free aqueous disinfectant
Thermometry Channel Length	60cm
Human body induction mode	Microwave detection
Temperature sensing mode	Original intelligent thermometry system for living facial recognition
Spectral range	8-14um
Temperature collection distance	20-50cm
Temperature collection location	Face
Temperature collection precision	≤0.5°C
Temperature detection output	Automatic voice broadcast
Temperature collection time	1-2s
Temperature display panel	5-inch LED screen
Temperature collection range	34~45°C

3. Typical Application Scenarios



