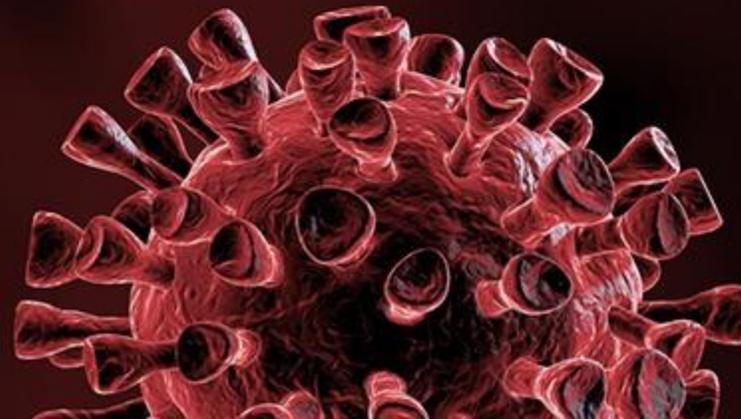


EFFORTS SOLUTIONS

Pandemic Management System

COVID 19 - DETECTION & PROTECTION SOLUTIONS



Efforts Solutions founded in 2004 with headquarters in Abu Dhabi and it is an established IT Technology and Solutions provider company delivering ANYTHING ON IT | SECURITY | WEB | MOBILE development solution & services of any complexity to clients worldwide.



As a value-driven organization, our mission is to figure out the best solutions for exploiting businesses' potentials and resources.



We don't limit ourselves to place, time or any particular technique or technology; therefore our development team applies several methods to get the best result with our efforts.



Over the past decades, Information Technology Department has contributed significantly to the rapid growth of many businesses in UAE through our quality development since it began its operation.



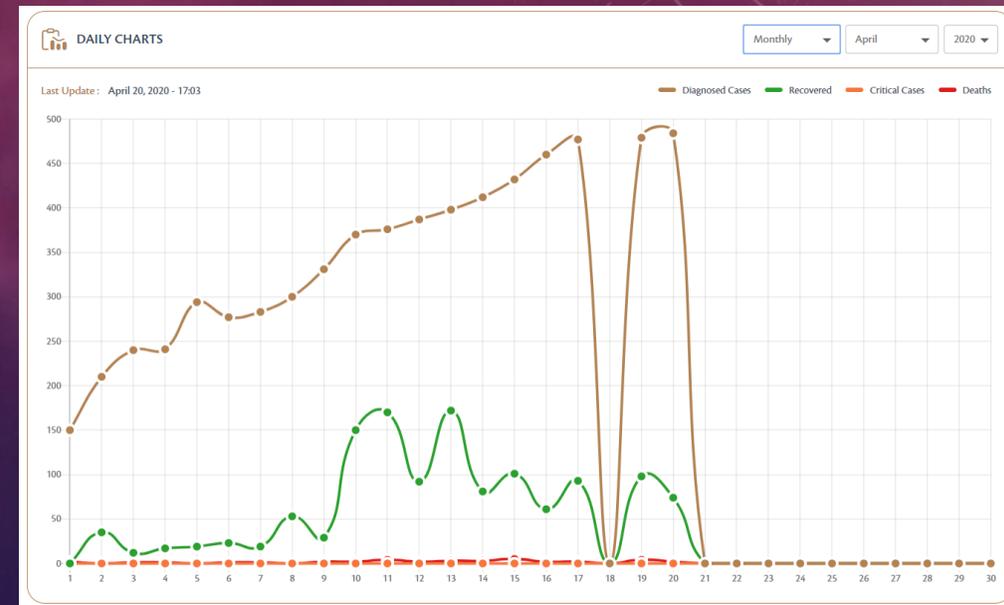
WHO WE ARE?

Overview

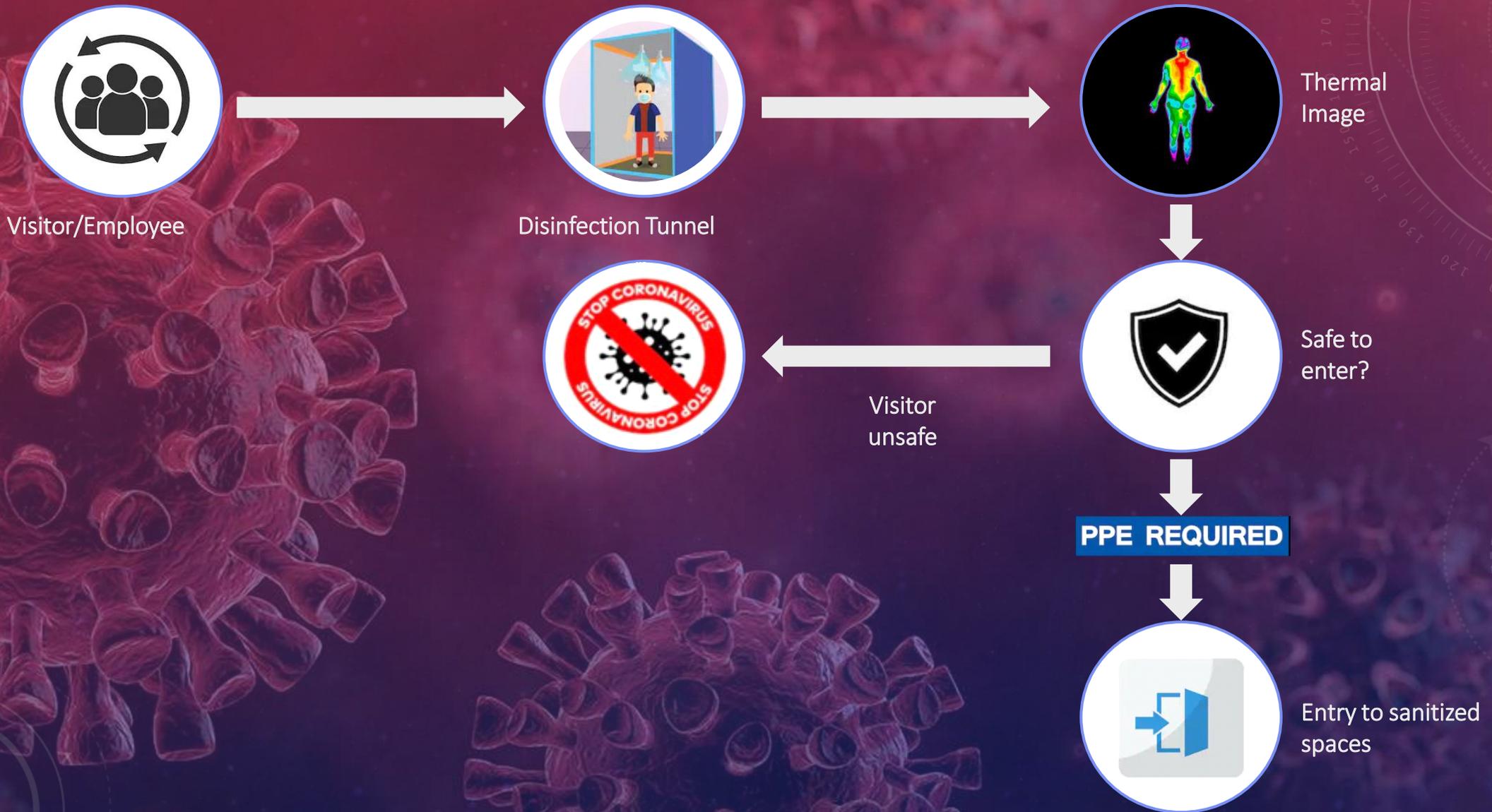
Due to the current pandemic situation across the globe, the whole business is coming to standstill. At the same time its critical to resume work for enterprises and other organizational units. To slow the spreading of Coronavirus Disease 2019 (COVID-19), many people around the world have turned to machine vision and imaging technologies. Some of these may prove more effective than others, it is necessary they must have access to screening and control equipment.

We provides temperature detection system, Smart Helmets, Auto Robots and sanitizing tunnels:

This system is suitable to such crowded scenarios as transportation hubs, industrial parks, office buildings, Construction sites, schools, hospitals, public security organizations and governmental agencies.



Visitor Management System



Our Solutions for COVID

TEMPERATURE MEASUREMENT CAMERA



SMART INTELLIGENT DISPENSER



TEMPERATURE MEASUREMENT GATE



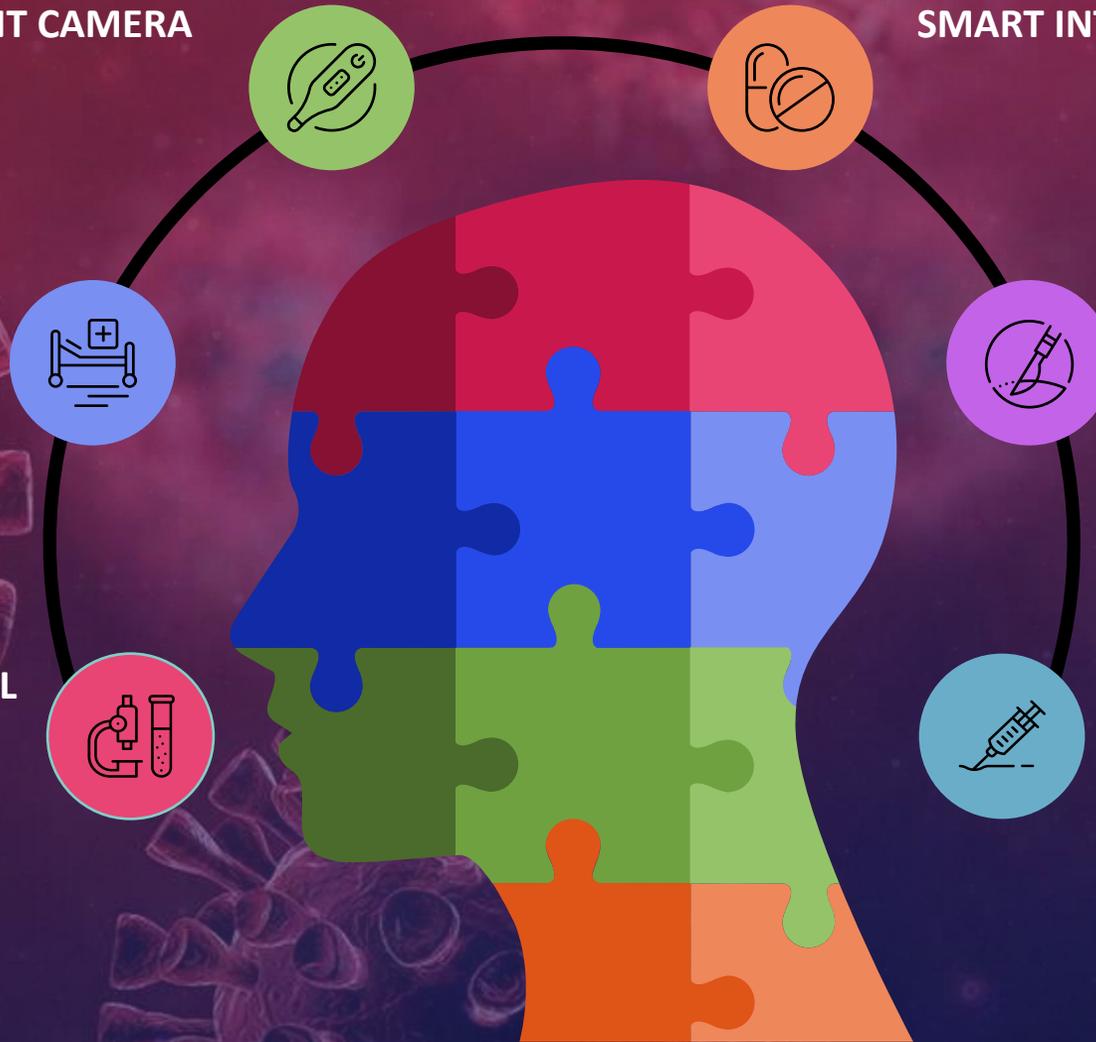
TEMPERATURE ACCESS CONTROL



SANITIZING TUNNEL



UV DISINFECTED ROBOTS



Multi-Purpose UVC Disinfection Cabinets

Disinfection Charging Cabinet

- Maximum effectiveness of 99.99%.
- 5 minutes UVC Disinfection with digital timer
- UV Disinfection System inside the cabinet removes germs and bacteria from the outer surface of objects placed inside the cabinet.
- UVC lights efficiently kill any bacteria or virus, especially the large COVID-19 virus that lives on the outer surfaces of objects

KEY FEATURES

- 1 Disinfection:** A UV Disinfection System inside the cabinet removes germs and bacteria from the outer cover of the devices while they are being charged.
- 2 Efficient UVC:** ChargeMax's UVC lights efficiently kill any bacteria or virus, especially the large COVID-19 virus that lives on the outer surfaces of objects.
- 3 Charging System:** USB (no adapter) with regulated and protected power circuit and an LED charging indicator. Charging with device adapter option is also available.
- 4 Safe Power:** Multi-layer AC power safety protection limit current and pressure, protect against power surge and lightning, and prevent electric leakage.
- 5 Automatic Shut Down:** A Smart Switch automatically shuts down the AC power source when charging of devices is complete.
- 6 Programmable Timer:** The four-function timers allows for setting the start, stop and duration time for disinfection and charging.
- 7 Security:** The cabinet is secured with a convenient, sturdy Push- to-Close lock on the front door and triangular lock on the side door, both with keys.
- 8 Capacity:** ChargeMax comes in different capacities for charging and disinfecting 10 to 65 Devices.



Intelligent Body Temperature Test

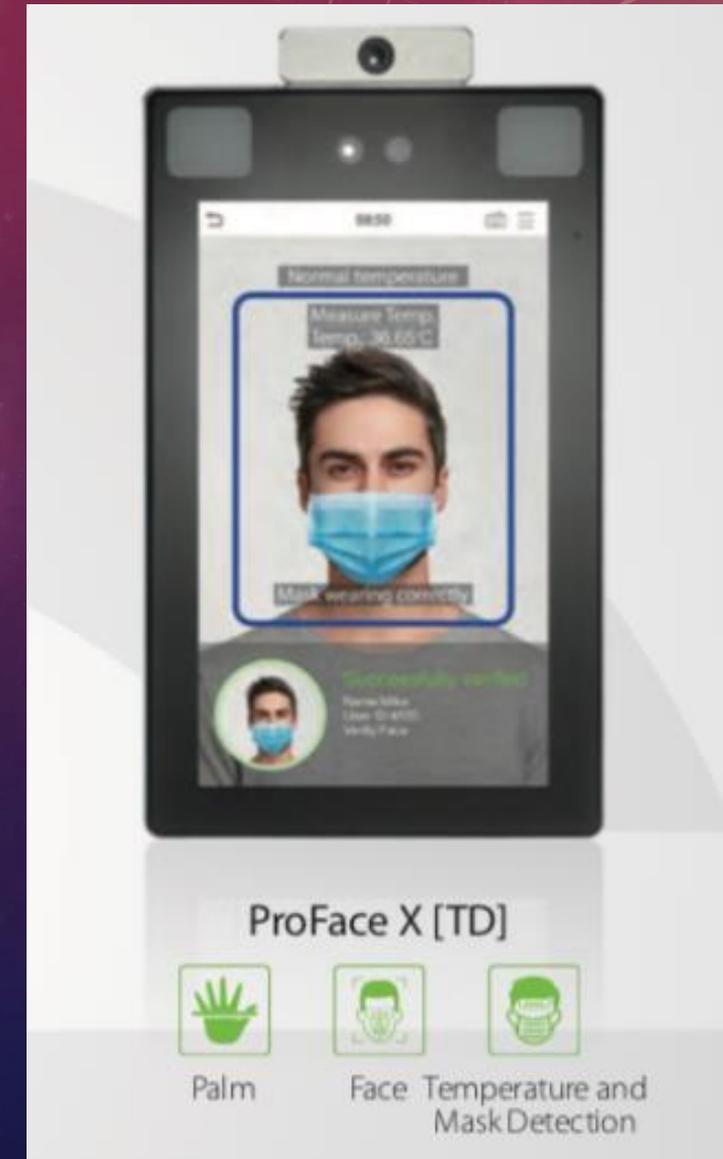
Access Control System

The facial recognition capability has reached a new height in the biometrics technology industry with a maximum of 50,000 facial templates, recognition speed of less than 0.3 sec per face, and ultimate anti-spoofing ability against almost all types of fake photos and videos attack.

In addition, the 3-in-1 palm recognition (Palm Shape, Palm Print and Palm Vein) is performed in 0.35 sec per hand; the palm data acquired will be compared with a maximum of 5,000 palm templates.

Function Brief

- Intelligent body temperature test
- 8 inch LCD HD Screen
- Face, Mask and Temperature
- Palm and Face Support for Employees (additional software required)
- IP68 dust-proof and waterproof standard & IK04 protection standard
- Anti-spoofing algorithm against print attack (laser, color and B/W photos), videos attack, and 3D mask attack
- Outdoor support - Sun and Rain
- Communication - Wiegand / RS485 / RS232 Slave Reader with FP / RFID / Barcode / QR-code with ZKTeco Software



DUAL LENS TEMPERATURE DETECTING THERMAL CAMERA WITH ALARM

AI based body temperature measurement system for epidemic fever detection. Supports Body Temperature detection up to 16 targets in an instance. Real time monitoring through AI video management software. 2 years including replacement for faulty hardware & devices within stipulated time.



State of the Art AI + Thermal Technology



Accurate face tracking Present results in real time

Face recognition algorithm is used to accurately locate the temperature to the target



Bi-spectrum, dual channel All-weather real-time monitoring

Visible light can capture human face and thermal imaging can monitor body temperature



Multi-objective fast non temperature measurement

Complete 16 target temperature measurements within 30 meters milliseconds at a distance of 3-5



Temperature accuracy $\leq 0.2^{\circ}\text{C}$

Modified $\leq 0.2^{\circ}\text{C}$ (emissivity, distance, ambient temperature, etc.)

FEATURES

AI based body temperature measurement system for epidemic fever detection

High Definition 2MP (1920 x 1080) resolution

Thermal: 8mm Fixed lens, Visible: 2.7-12mm motorized lens

Efficient preliminary screening for detecting elevated body temperature

Dual Imaging Lens with high accuracy of upto $\pm 0.1^{\circ}\text{C}$

Non-contact measurement to reduce risk of catching infection through physical contact

Supports face detection to reduce false alarms & multiple targets screening

Real time monitoring through AI video management software

Intelligent Touchless Sensor Dispenser

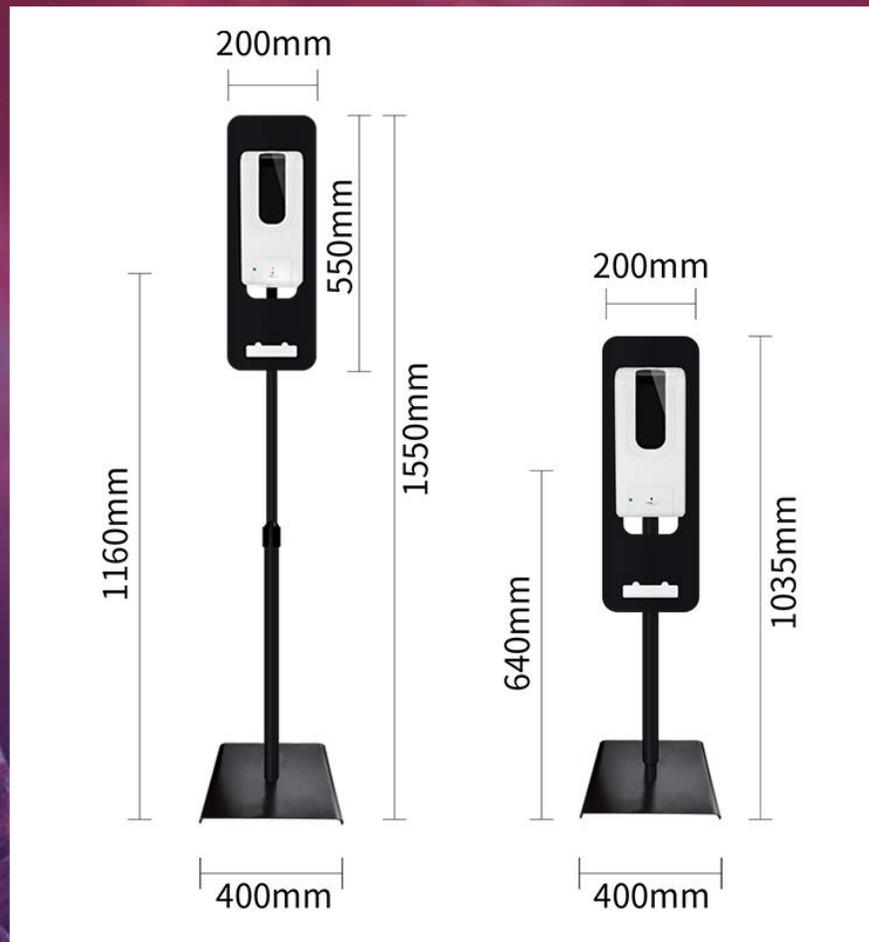
Wash your hands without Touch

HAND SANITIZER DISPENSER
TOUCHLESS SENSOR
AUTOMATIC
UV DISINFECTION
VOL: 1000ML
Drip style
For Liquid & Gel



- Intelligent sensor
- UV disinfection
- 1000 ml capacity
- Touchless automatic

ONLY AUTOMATIC DISPENSER



INDUSTRIES : Offices, Hospitals, Schools, Shops, Hotels, Insurance, Supermarkets, Malls, Buildings etc

PLASMA MONEY STERILIZER

FINE DUST & CONTAMINANTS OF BILLS! BEYOND IMAGINATION

- Study from New York University : Bills have the environment for microorganism to live in, furthermore contaminants don't live there, but proliferate, so over 3,000 types of germs such as virus, bacteria, general germs, mold, etc are found there.
- Salmonella–shigella and other 8 bacterial pathogens were found on the bills (Research by Soonchunhyang University)!



By using the plasma ion–cluster
Fine Dust Removal & Sterilization
upon counting bills **30 sec – 99.9%**

- Sterilization
 - Dedusting/Deodorizing/Decontaminating
 - Sterilization upon counting bills
 - Quick sterilization using Plasma ion cluster
 - Sterilization harmless to human body
 - Hand Sterilization
- (20 sec– 98% / 30 sec – 99.9% Sterilization)



Clean Money!!

WORLD FIRST

PLASMA Money Sterilizer

World First Open–Sterilizer!!

※ You can use the Plasma Money Sterilizer with your existing bill counter



INTELLIGENT SENSOR - TUNNEL

INTELLIGENT SENSOR based SANITIZING TUNNELS are disinfecting passageways for human use, which sprays the person passing inside with high level disinfectant and sanitizer, killing 99.999% of viruses, bacteria, mold, fungi, and spores. It can be used before the entry of a building, to prevent any infected people to enter the building.

SHIELD ME SANITIZING TUNNELS CAN DIFFER IN SHAPE AND DIMENSIONS DEPENDING ON CLIENT REQUIREMENT, AND CAN BE USED FOR DIFFERENT BUILDING TYPES, INCLUDING:



EDUCATIONAL



HOSPITALS



GOVERNMENT



COMMERCIAL



INDUSTRIAL



RESIDENTIAL



It is super oxidized water Hypochlorous acid (HOCl), manufactured from 100% natural resources, and is 100% safe for humans even kids, it does not have any chemicals or toxic content. Intelligent sensor-based sanitizing Tunnels can only be supplied with Disinfecting Sanitizer.

AI Temperature Detection

2MP IP Thermal Camera

Temperature Measuring Smart Camera - An independent epidemic prevention solution with integrated thermal imaging technology and network processing system to perform high-speed body temperature measurement, real-time human screening for early warning and video surveillance recording.

The camera is equipped with inbuilt Wi-Fi and rechargeable battery with up to 8 hours backup that enable portable usage of the camera mounted on a tripod stand



Camera detects human body and voice prompts the person to stand within detection area for measuring body temperature.



FEATURES

AI based body temperature measurement system for epidemic fever detection

In Built Thermal Temperature Sensor

Temperature detection range of 30°C to 45°C with accuracy of $\pm 0.3^{\circ}\text{C} \sim \pm 0.5^{\circ}\text{C}$

Detection Distance 0.2 ~ 1.0 Meter

Hotspot Function And Direct Display Support on Digital Screen

Mobile Application For Remote Monitoring

In Built Wi-Fi, Alarm & Two Way Audio

Built-in Rechargeable Battery & Micro SD Card Slot for Storage

TEMPERATURE MEASURING GATE

Infrared Thermal Imaging AI Temperature Gate



Model: RG-WX-TD01

Main Specification:

- Non-sensing temperature, keep distance;
- Face recognition: quickly identify mask wearing and verify the identity of the person
- Temperature accuracy: $\pm 0.3^{\circ}\text{C}$ (With black body), $\pm 0.5^{\circ}\text{C}$ (No black body)
- Sound and light alarm: for not wearing a mask or abnormal body temperature
- Monitoring screen: PC can be used to view the temperature measurement in real time, intelligently capture abnormal people and record data
- Temperature measurement distance: 0.5m ~ 1.5m
- Temperature measurement range: 30°C ~ 45°C

Key Features:

- Non-contact Measurement
- Accurate Alarm
- AI Recognition
- Work Alone
- Simultaneous 1 person temperature detection
- Real-time high temperature sound and light alarm
- Intelligent photo capture when alarm
- Report health data to the cloud(Optional)

TEMPERATURE MEASURING GATE



Accurate temperature measurement



Personal health records



Corporate health report



Fast API integration

RG-WX-TD01



Safe

Non-contact temperature measurement, temperature measurement distance: 0.5m-1.5m, audible and visual alarm, the alarm temperature can be set

Fast

20ms fast thermal imaging temperature measurement, AI facial detection

Support temperature detection of multiple targets
150 people / minute

Precise

±0.3°C (+accessory)

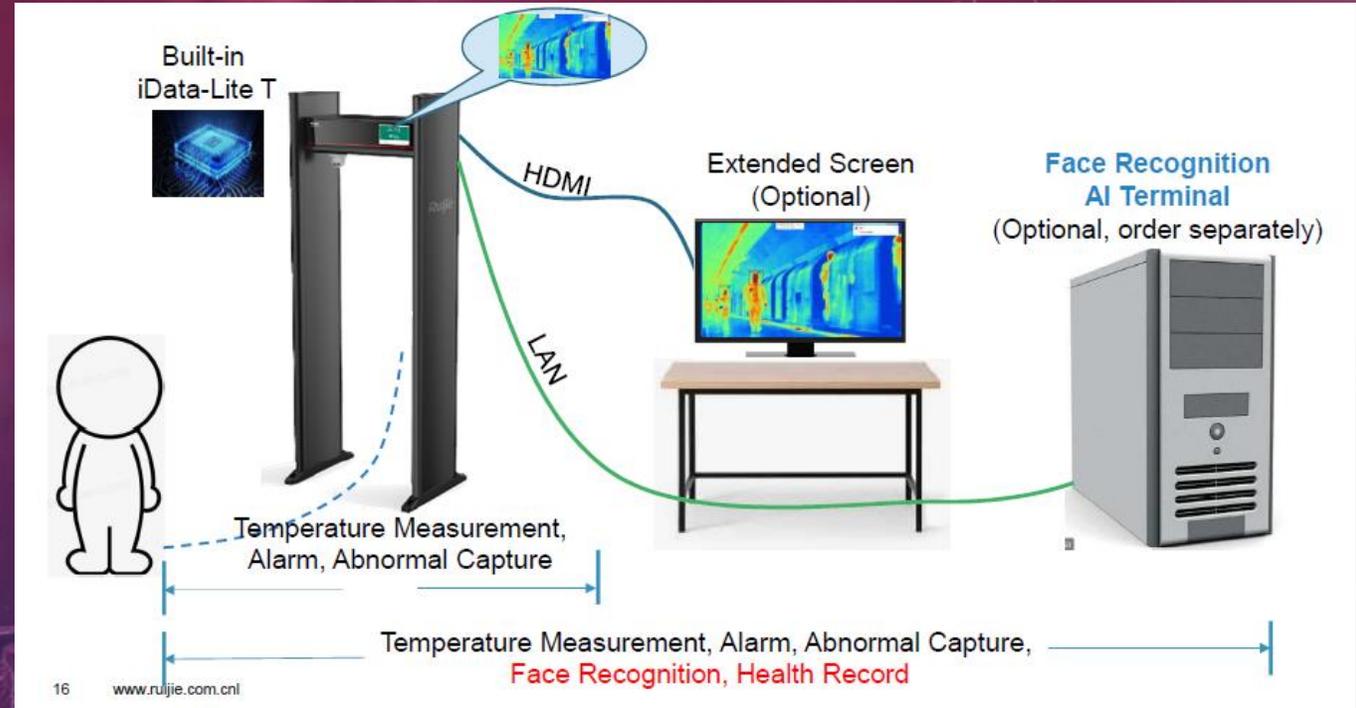
±0.5°C (without accessory)

Temperature measurement range: 30 ~ 45 °C

RG-WX-TD01

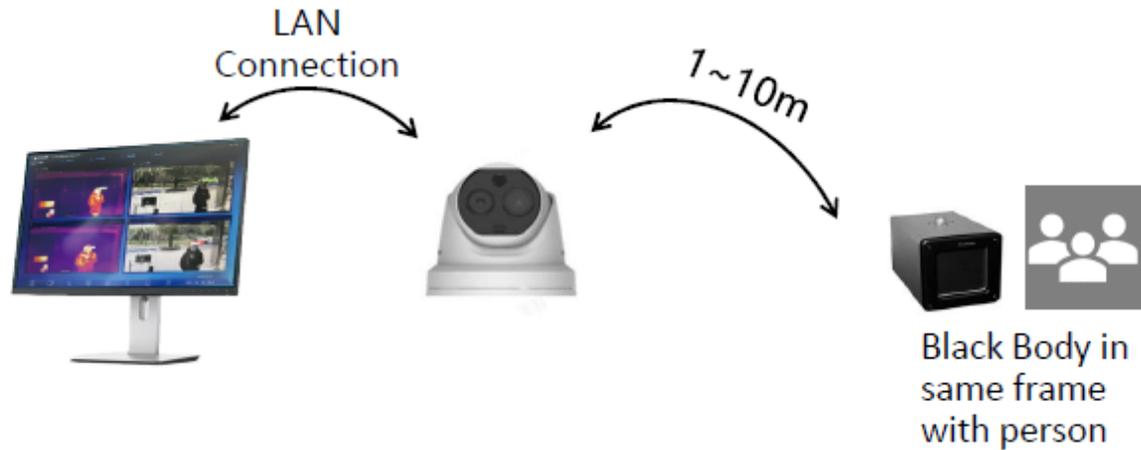


How it Works



TEMPERATURE MEASURING GATE

AI Infrared Thermal Imaging Temperature Measurement



iDATA-Lite T

Infrared Thermal Imaging Camera

Black Body

Key Features:

- Accuracy ± 0.3 °C with black body
- Real-time Abnormal temperature alarm
- Intelligent photo capture when alarm

Black Body Key Spec.

- Temperature Resolution: 0.1 °C;
- Effective emissivity 0.97 ± 0.02 ;
- Working Environment: 5 °C ~ 40 °C;

- Accurate and fast screening
- Non-contact measurement
- AI intelligence and high efficiency
- Accuracy: ± 0.3 °C
- Easy to deploy

Model	Infrared resolution	Focal length	Face Distance	Simultaneous monitoring Qty.
RG-WX-TC01	160*120	3mm	0.5m~2m	3 people
RG-WX-TC02	384*288	15mm	2m~10m	33 people

ULV FOGGER H05



The H05 is one of the best aerosol ULV foggers currently available, with its water and oil-powered 50Hz engine kicking out 1400w at 220V AC power. Whether you're a property owner or a commercial premises manager/owner, the ULV Fogger H05 allows you to eliminate all crawling and flying pests with ease and a high degree of efficiency.

The storage tank can easily hold up to 5 liters of pesticide, while the 0-49 l/h flow rate output is one of the best in the ULV fogger industry. Boasting an impressive fogging and disinfection speed of 10-15 km/h, the H05 is a very practical and economical solution to your pest problems. It weighs a mere 5.3kg with an adjustable solution droplet size of 9-49 microns.

The low weight and compact size makes it highly suitable for private and commercial use, although it is highly recommended that you carefully study and understand the safety and operational instructions beforehand.

Motor	1400w, 220V AC, 50hz
Solution Tank Capacity	5 Litre
Solution Output Flow rate	0-49 l/h
Solution Droplet size	9-49 micron
Empty Weight	5,3 Kg
Dimensions	50 x 17 x 50

WHERE CAN I USE IT?

Use your H05 ULV cold fogger in greenhouses, hospitals, schools, homes, restaurants, holiday sites, food places, dairy farms, poultry yards, depots, barns, etc.

UVD ROBOTS

UV Disinfection solution increases patient safety

Hospital Acquired Infections are a significant and increasing problem in the global healthcare sector, where each year millions of patients are infected and thousands of patients die due to infections acquired during hospitalization. Furthermore, the HAIs result in significant extra costs for hospitals, due to additional days spent in bed, readmissions and reduced operational efficiency.

THE UVD ROBOT :

- A fully autonomous mobile robot emitting concentrated UV-C light onto infectious hotspots in patient rooms and operating rooms, supporting the normal cleaning routines.
- Prevents and reduce the spread of infectious microorganisms in the environment by breaking down their DNA structure.
- Safe, reliable and user friendly as it can be operated by the hospital's cleaning staff.
- Reducing hospital acquired infection rates and operating costs.



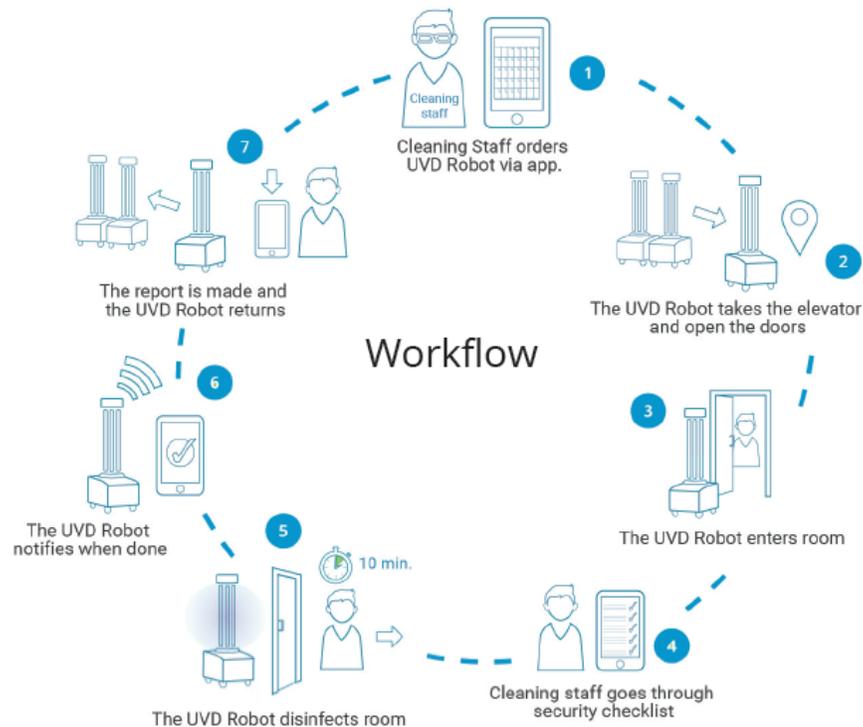
UVD ROBOTS

Key benefits

- Autonomous mobile solution
- Fast and efficient disinfection process
- Easy to install and use
- Standard process without manual influence

UVC light disinfection technology eliminate any remaining pathogens after manual cleaning processes, such as:

- Clostridium difficile (*C.diff*)
- Staphylococcus aureus
- Methicillin-resistant Staphylococcus aureus (*MRSA*)
- Vancomycin-resistant Enterococcus faecalis (*VRE*)
- Norovirus





WAITING FOR YOUR NEW **PARTNERSHIP** WITH EFFORTZ

THANK YOU!

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