

# ADIBOT

UV-C DISINFECTION ROBOTIC SOLUTIONS



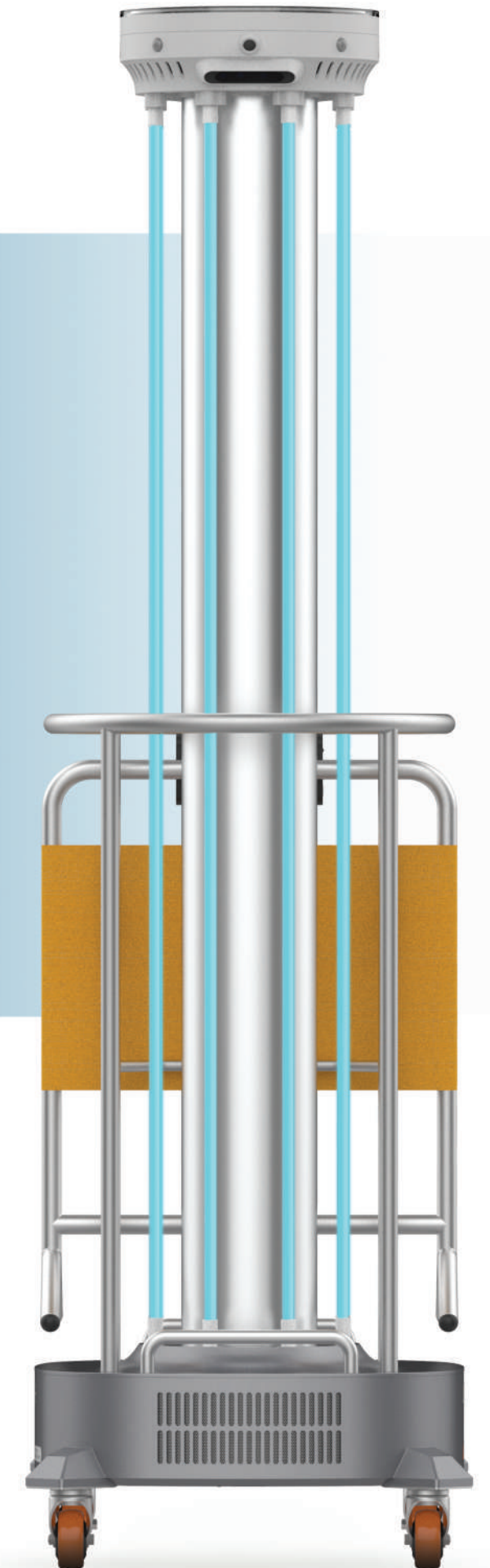
UBTECH

## INTRODUCTION TO UBTECH ROBOTICS

UBTECH is a leading global robotics and AI tech company with the engineering, design, and go-to-market capability that brings cutting-edge robotics to society and supports every phase of life.

UBTECH Robotics is proud to introduce the newest addition to its suite of intelligent robots, the UV-C disinfection robot: ADIBOT. The ADIBOT disinfection system utilizes powerful, hospital grade UV-C technology to inactivate 99.9% of ALL viruses, bacteria, and other pathogens to disinfect classrooms, office spaces, hotel rooms, and more. With the introduction of the ADIBOT robotic disinfecting system, we solve the need to easily but effectively disinfect surfaces and air safely as a part of regular cleaning protocols.

Let us show you how the ADIBOT disinfection system can help your organization today.



# ADIBOT



## INTRODUCING THE ADIBOT SOLUTION

The ADIBOT solution continues UBTECH's mission of introducing intelligent robots to make daily life smarter and now, safer.

The ADIBOT system consists of two UV-C models: the stationary ADIBOT-S model and the autonomous ADIBOT-A model. ADIBOT-S is a stationary robot that is manually placed in the desired disinfection space for use. ADIBOT-A is an autonomous solution that can be programmed and mapped to independently navigate one or multiple floor plans. Both ADIBOT systems provide 360-degree radiant light coverage, powerful UV-C disinfection, and intelligent safety features including the use of "risk mitigation" cameras, PIR sensors, sensor enabled safety signage, and an emergency remote control.

ADIBOT UV-C robots are able to provide a safe, disinfected environment for students, customers, and employees. UBTECH is proud to be able to provide a more intelligent robotic solution to a wider audience and for a fraction of the previous cost of UV-C technology.

How can ADIBOT help your disinfection needs today?



# ADIBOT-S

## CORE COMPONENTS



# ADIBOT-S

## Specifications

Dimensions :	1.90 x .69 x .69 (m) 74.8 x 27.3 x 27.3 (in.)
Weight :	50kg / 110lbs
Certification :	CE, FCC, UL, EPA

## UV-C

Radiance Angle :	360°
Top UV-C :	8
UV-C Total Power :	1240W

## Control

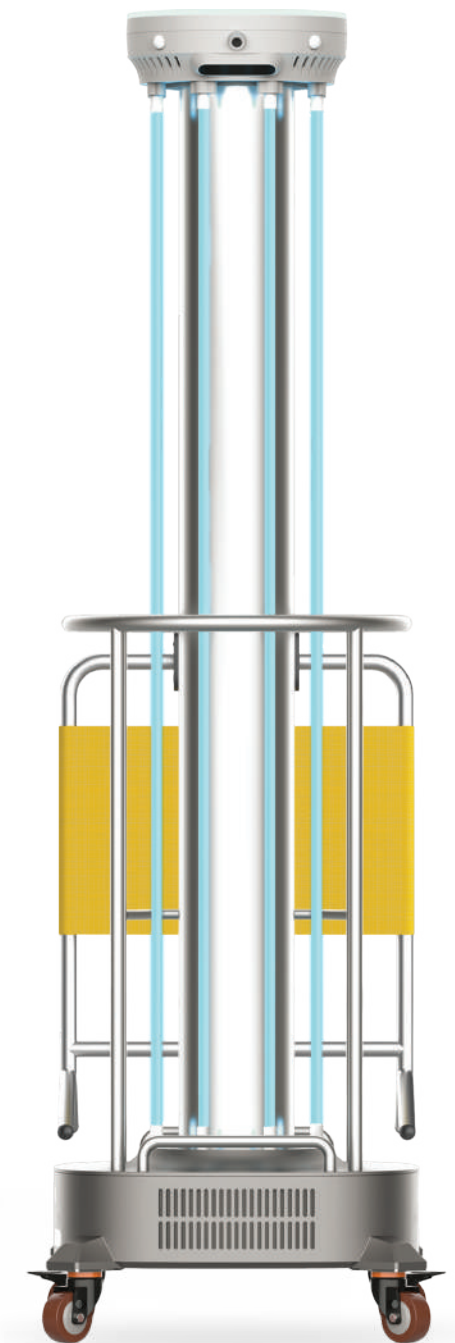
WiFi :	✓
Remote Control :	✓

## Safety

Camera Recorder :	2MP
Audio Notification :	✓
Emergency Button :	✓
PIR Sensor :	✓
Shatterproof Lamps :	✓

## Additional Features

- Easily portable design
- 3,160µW/cm<sup>2</sup> UV-C of total irradiance
- Ozone Free, High Output Quartz UVC Germicidal lamps
- Shatterproof lamps
- RGB camera with recording functionality
- PIR sensor to detect movement
- Omni wheels with locking capability
- Secured app enabled for safe usage
- Stand-alone remote control
- Sensor enabled safety signage for patron safety
- Cloud based connectivity for tracking
- Storage and safety accessories included



### Sensor Enabled Safety Signage

Sensor Enabled Safety Signage to automatically disable ADIBOT-S and alert the administrator if the area is breached while ADIBOT-S is disinfecting.



### Daisy Chain Functionality

ADIBOT-S is equipped with a daisy chain hook system. The square anti-pivoting design and firm magnetic connection allows for increased power and portability.



ADIBOT-S



### ADIBOT-S CORE FUNCTIONS

**Mobile UV-C Disinfection:** An easily transportable, high powered UV-C unit that is easily added to current cleaning protocols. ADIBOT-S may look formidable at first glance however by combining hospital grade, powerful UV-C lamps with locking omni wheels, multiple tech-forward safety features and daisy chain capability for multiple unit disinfection, ADIBOT-S is optimal protection against airborne pathogens and surface dwelling bacteria.

**Powerful UV-C Disinfection:** Utilizing eight high powered, shatter-proof UV-C bulbs, ADIBOT-S emits a total irradiance of  $3,160\mu\text{W}/\text{cm}^2$  (max.) that works to effectively disinfect 99.9% of the air and line of sight space within the room.

**Environmentally Safe:** Our usage of UV-C for disinfection reduces interaction with harmful chemicals for personnel, usage of single-use plastic containers, and chemical disposal into the environment.

**No Harsh Chemicals:** Methods like electrostatic spraying can irritate skin, eyes or lung conditions when using powerful cleaning agents required. In addition, using electrostatic sprays require longer downtimes to let the chemicals completely dry before the space can be used again safely.

**Secure App Integration:** The ADIBOT-S allows for direct WiFi connection to the proprietary app for configuration, analysis, and task management. ADIBOT-S also comes with a handy remote for setting disinfection sessions quickly and easily.

### POTENTIAL USE CASES



SCHOOLS



SPORTS FACILITIES



OFFICES



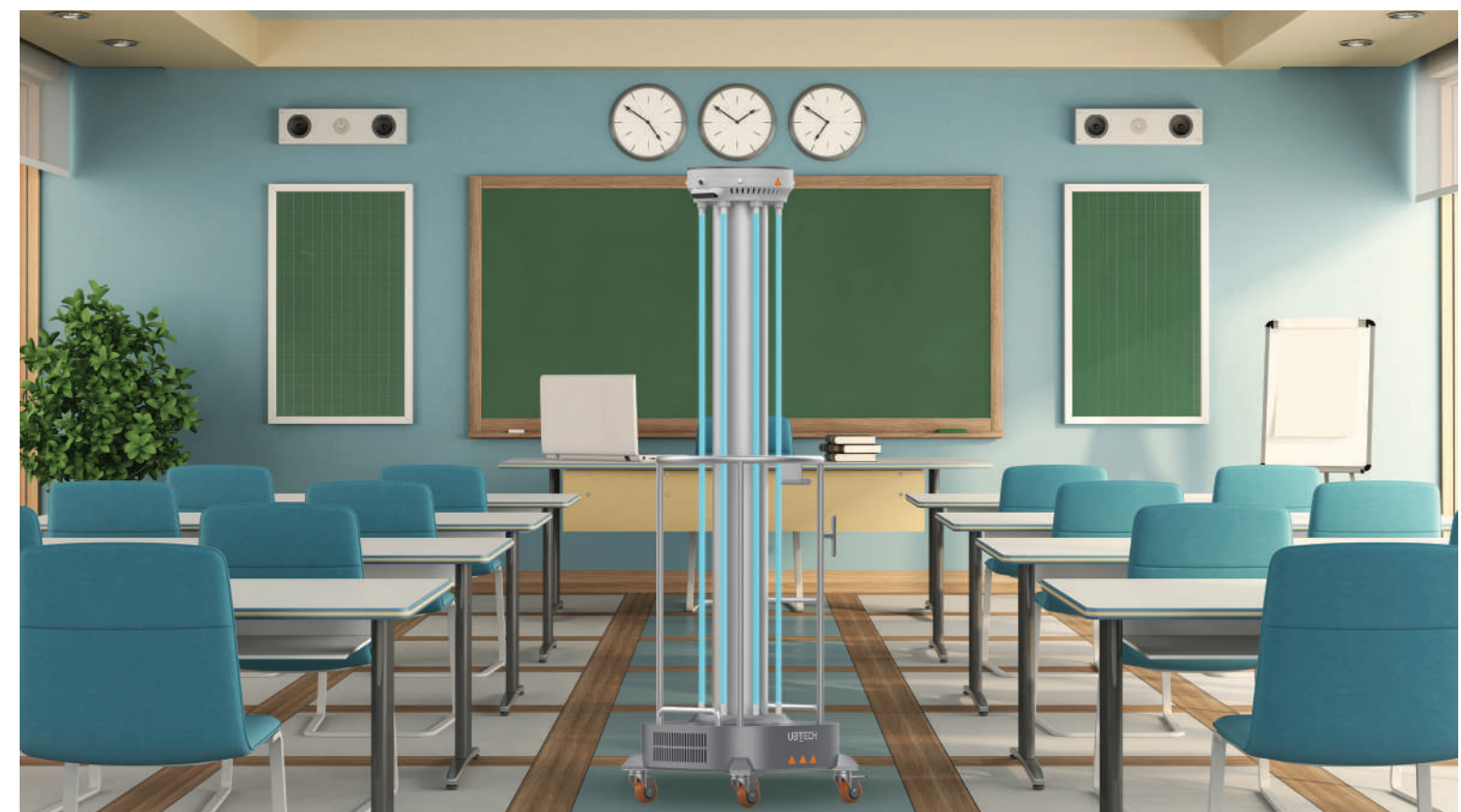
HOTELS



PUBLIC TRANSPORTATION



AND MORE



# ADIBOT-A

## CORE COMPONENTS



# ADIBOT-A

## Specifications

Dimensions :	1.69 x .60 x .60 (m) 66.5 x 23.6 x 23.6 (in.)
Weight :	100kg / 220lbs
Certification :	CE, FCC, EPA

## UV-C

Radiance Angle :	360°
Top UV-C :	8
Bottom UV-C :	8
UV-C Total Power :	1240W

## Control

WiFi :	✓
Remote Control :	✓

## Auto

Autonomous : (LiDAR/RGB-D)	✓
Self-recharge : (Docking Station)	✓

## Safety

Camera Recorder :	2MP
Audio Notification :	✓
Emergency Button :	✓
PIR Sensor :	✓
Shatterproof Lamps :	✓

## Additional Features

- Autonomous movement using U-SLAM mapping
- Remote control for robot mobility outside of app
- Automatic recharging dock included
- Secured app for safe usage
- Dedicated server and cloud-based connectivity for tracking
- Storage and safety accessories included



Speaker and Bottom LiDAR



Top LiDar and RGB-D Camera



Ultrasonic Sensors



ADIBOT-A



## ADIBOT-A CORE FUNCTIONS

**Autonomous Disinfection Patrol:** For larger spaces ADIBOT-A can be mapped to a custom floor plan to provide multiple, designated disinfection sessions and managed remotely through a dedicated, secure server.

**First-Rate Safety at all Times:** ADIBOT-A is equipped with key safety features that ensure programmed disinfection routes are taking the precautions needed. These safety features include: a “first-person” point of view front facing camera, PIR motion sensors to detect human movement through body heat, 2-way audio notification and an emergency stop button to ensure even if it someone accidentally comes across ADIBOT-A during a session, the unit will automatically shut off and send notifications to the session owner.

**Strong UV-C Disinfection:** With sixteen, shatterproof UV-C bulbs, ADIBOT-A emits a total irradiance of  $1,520\mu\text{W}/\text{cm}^2$  (max.) that works to effectively disinfect 99.9% of the air and line of sight space within a room.

**Environmentally Safe:** Our usage of UV-C for disinfection reduces interaction with harmful chemicals for personnel, usage of single-use plastic containers, and chemical disposal into the environment.

**No Harsh Chemicals:** Methods like electrostatic spraying can irritate skin, eyes or lung conditions when using powerful cleaning agents required. In addition, using electrostatic sprays require longer downtimes to let the chemicals completely dry before the space can be used again safely.

## POTENTIAL USE CASES



SCHOOLS



SPORTS FACILITIES



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PUBLIC TRANSPORTATION



AND MORE





### ••• U-SLAM

UBTECH Robotics uses proprietary, real time U-SLAM software to build a personalized navigation and obstacle avoidance system for your business or organization.

Using LiDar radar technology equipped on the front of the robot, ADIBOT-A maneuvers safely in spaces as small as 1m.

With ADIBOT-A, the use of the multi-sensor technology working in unison provides premium, reliable navigation and obstacle avoidance.





## SMART CONTROL

The ADIBOT system uses a secure app interface to configure, connect, track, and store robot activity.



### ADIBOT-S

With ADIBOT-S, the app connects directly to the robot using direct Wi-Fi or through a secure Wi-Fi network for ease of use within a range of 10-30m. ADIBOT-S also comes with a remote control.



PROPRIETARY ADIBOT-A APP

### ADIBOT-A

With ADIBOT-A, users can enable the remote monitoring feature that allows direct tasks to be given through the secure app interface and dedicated server.

In the app dashboard, users can view robot disinfection task status and an analysis of efficiency improvements.

Security and safety of all people is at the forefront of the app experience; camera streaming on ADIBOT-A and alarm updates for both ADIBOT systems are sent and accessed in real-time for system administrators.



## THE ADIBOT DISINFECTION SYSTEM COMES WITH ONE OF THE BEST WARRANTIES ON THE MARKET TODAY.

### ADIBOT-S WARRANTY

The ADIBOT-S robots have a three (3) year Limited Warranty on the robot and a one (1) year Limited Warranty on the provided UV-C lamps.

### ADIBOT-A WARRANTY

The ADIBOT-A robots have a one (1) year Limited Warranty on the robot and one (1) year Limited Warranty on the provided UV-C lamps and accessories.

It is important to note that in order to maintain warranty any service work must be performed by a UBTECH Robotics Corp. authorized service technician.



### ADIBOT MAINTENANCE

UBTECH proudly partners with Ricoh field teams for robot maintenance.

**RICOH**  
imagine. change.

Ricoh is a proud partner with UBTECH with our ADIBOT disinfection systems. Ricoh USA delivers solutions that bring together technology, process and people. By transforming information into actionable insights and freeing people to focus on creating value, Ricoh can unlock the potential in every business.

*\*Failure to comply with the terms of the service contract shall void warranty.*



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