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.

As a result of the COVID-19 pandemic, UBTECH has created a solution through our expertise in robotics, AI technology and vertically integrated manufacturing. Our ADIBOT robots bring cost effective disinfection solutions to the forefront of the fight against not only COVID-19 but also other existing and future pathogens and viruses.
INTRODUCING THE ADIBOT SOLUTION

UBTECH Robotics is proud to introduce the newest addition to its suite of intelligent robots, the UV-C disinfection robot: ADIBOT. This new solution continues UBTECH’s mission of introducing intelligent robots to make daily life smarter and now, safer.

During the current global pandemic, UBTECH has created an opportunity to utilize its technology and vertically integrated supply chain to bring a better, more cost-effective disinfection solution to the forefront in the fight against COVID-19 and other pathogens. The ADIBOT system provides a safe way to help businesses, organizations, and schools re-open safely by inactivating harmful pathogens in areas where people need and want to be without the use of harmful chemicals or costly downtimes.

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 during these unprecedented times.
ADIBOT-S

CORE COMPONENTS

- Camera Recorder
- PIR Motion Sensors to detect movement
- Anodized Aluminum Reflectors
- Shatterproof Lamps
- 8 Ozone Free High Output Quartz UV-C Germicidal Lamps
- Push Handles
- Sensor Controlled Safety Signage with auto-disable and real time app alerts
- Omni Wheels with locking capability

3,160µW/cm² UV-C Total Irradiance

253.7 nm Wavelength
Specifications
Dimensions: 1.90 x .55 x .55 (m)
74.8 x 21.6 x 21.6 (in.)
Weight: 50kg / 110lbs
Certification: CE, FCC

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
- Sleek, easily portable design
- Secured app enabled for safe usage
- Stand-alone remote control
- 360° top to bottom coverage
- Cloud based connectivity for tracking
- Storage and safety accessories included
- Sensor enabled safety signage for patron safety

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 CORE FUNCTIONS

Mobile UV-C Disinfection Flexibility
An easily transportable, UV-C robot that can be where you need it most, when you need it most. With locking omni wheels, long extension cords, daisy chain capability for simultaneous, multiple robot usage, multiple cooling vents and included safety accessories, the ADIBOT-S model is the optimal solution for numerous disinfection needs.

Powerful UV-C Disinfection
Utilizing eight high output, mercury-based UV-C bulbs, ADIBOT-S emits a total irradiance of 3,160µW/cm² (max.) that works to effectively disinfect 99.9% of areas.

Secure Mobile Integration
The ADIBOT-S built-in Wi-Fi enables direct connection to the proprietary app for configuration, analysis and task management.

POTENTIAL USE CASES

- DENTAL OFFICES
- HOTEL ROOMS
- MEDICAL FACILITIES
- SCHOOL CLASSROOMS
- SUBWAY CARS
CORE COMPONENTS

- Shatterproof Lamps
- 8 Ozone Free Quartz UV-C Germicidal Lamps
- Anodized Aluminum Reflectors
- PIR Motion Sensors
- Ultrasonic Sensors
- RGB-D Depth Camera
- Speaker
- Camera Recorder
- Top LiDar
- Bottom LiDar
- Push Handles

1,520µW/cm²
UV-C of total irradiance

253.7 nm
Wavelength

8 Ozone Free Quartz UV-C Germicidal Lamps

UV-C of total irradiance

1,520µW/cm²
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

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
ADIBOT-A CORE FUNCTIONS

Autonomous Disinfection Patrol
For larger spaces ADIBOT-A can be mapped for multiple, designated locations and managed remotely through a dedicated, secure server.

First-Rate Safety
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 sensor to detect human movement through body heat, audio notification and an emergency stop button.

Strong UV-C Disinfection
With sixteen mercury-based UV-C bulbs, ADIBOT-A emits a total irradiance of 1,520µW/cm² (max.) that works to effectively disinfect 99.9% of areas.

POTENTIAL USE CASES

- FITNESS CENTERS
- HOSPITALS
- HOTELS
- OFFICES
- SCHOOLS
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.
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.
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